

Identification of Novel Protein Biomarkers and Drug Targets for Large-Artery Atherosclerosis Stroke by Human Plasma Proteome with Genome

Min Zhang*

Datuan Community Health Service Center, Pudong New District, Shanghai, China.

*Corresponding Author

Min Zhang, Datuan Community Health Service Center, Pudong New District, Shanghai, China.

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Abstract

Large artery atherosclerotic stroke (LAAS) represents the most common ischemic stroke subtype, yet its molecular mechanisms remain incompletely understood. In this study, we employed an integrative multi-omics approach to identify causal molecular biomarkers and therapeutic targets for LAAS. We conducted summary-data-based Mendelian randomization (SMR) and colocalization analyses using large-scale GWAS and quantitative trait loci (QTL) datasets (pQTL, mQTL, eQTL) from European-ancestry populations. Five plasma proteins showed significant associations with LAAS risk: LPA and ITGAV (increased risk) and MMP12, CD40, and DKKL1 (decreased risk). CD40 emerged as the most robust candidate, demonstrating consistent evidence across all omics levels (Tier 1), with two hypomethylated CpG sites (cg11841529, cg24575067) significantly associated with increased LAAS risk (OR = 1.58-2.13). Tissue-specific analyses revealed CD40's protective effects were strongest in transverse colon (OR = 0.52) and adipose tissues, while ITGAV showed risk-enhancing effects in visceral adipose (OR = 1.64). We identified 12 FDA-approved drugs targeting these proteins, including immunomodulators (aldesleukin) and lipid-lowering agents (rosuvastatin). These findings highlight CD40 as a key regulator in LAAS pathogenesis and suggest potential drug repurposing opportunities for stroke prevention and treatment.

Keywords: Large-Artery atherosclerosis stroke, Protein, Biomarker, Drug target, Summary mendelian randomization

1. Introduction

Large artery atherosclerotic stroke (LAAS), constituting over 40% of ischemic stroke cases, represents the predominant etiological subtype characterized by cerebral hypoperfusion secondary to thromboembolic events originating from atherosclerotic plaques in intracranial/extracranial arteries [1]. Despite advancements in secondary prevention through antiplatelet regimens, statin therapy, and endovascular interventions, the persistent 30% recurrence rate underscores critical gaps in understanding the molecular drivers (e.g., MMP-9-mediated plaque vulnerability) of atherosclerotic progression [2].

Emerging evidence from genome-wide association studies (GWAS) has delineated multiple susceptibility loci, including PCSK9, associated with LAAS pathogenesis [3]. Notably, Mendelian randomization (MR) methodologies have emerged as a powerful epidemiological tool, leveraging genetic variants as instrumental variables to circumvent confounding biases inherent in observational studies, thereby enabling robust causal inference between genomic regulation and cerebrovascular outcomes [4].

The advent of high-throughput omics technologies has further facilitated integrative analyses combining expression/methylation/protein quantitative trait loci (eQTL/mQTL/pQTL) data, providing multidimensional insights into the functional consequences of genetic variation across transcriptional, epigenetic, and proteomic regulatory layers.

This investigation employs a novel analytical framework that integrates GWAS summary statistics with multi-omics QTL datasets using the SMR (summary data-based Mendelian randomization) approach to elucidate the genetic regulatory architecture underlying LAAS systematically. By constructing multi-tiered molecular networks, our study establishes a mechanistic foundation for developing precision therapeutic strategies that target key nodes in LAAS.

2. Materials And Methods

2.1 Study Design

Figure 1 illustrates the overall study design. First, we leveraged summary statistics from five large-scale plasma protein quantitative

trait locus (pQTL) studies to investigate their causal associations with LAAS [5-9]. Genetic instruments for plasma protein levels were derived from these pQTL datasets, which are all of European ancestry. We performed SMR to test for putative causal effects of plasma proteins on LAAS, followed by heterogeneity in dependent instruments (HEIDI) tests ($P > 0.05$) to exclude pleiotropic variants. Proteins surviving SMR were further validated via colocalization analysis (posterior probability of hypothesis 4, $PPH4 > 0.7$), yielding five high-confidence candidates [10]. Then, to strengthen mechanistic insights, we integrated multi-omics evidence by

repeating SMR and colocalization analyses using methylation QTLs (mQTLs) and expression QTLs (eQTLs; GTE_x_v8) [11]. Finally, Proteins were hierarchically classified into three tiers based on consistency across omics layers. Finally, we screened drug-gene interaction databases (DGIdb and DrugBank) to identify FDA-approved agents targeting these prioritized proteins, generating a curated list of therapeutic candidates. Exposure and outcome datasets were sample-independent, minimizing bias from overlapping cohorts.

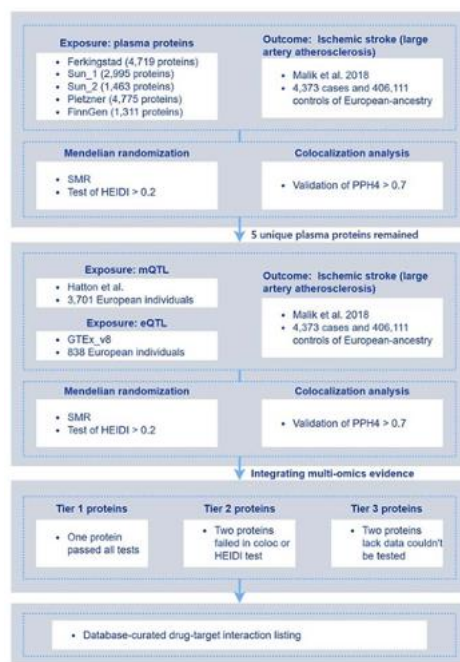


FIGURE 1 - Study design. SMR, summary-based Mendelian randomization; HEIDI, Heterogeneity in Dependent Instruments; QTL, quantitative trait loci; PPH4, posterior probability of H4.

2.2 Data Sources

All genetic datasets used in this study were derived from publicly available GWAS and QTL resources, with detailed characteristics summarized in Table S1. All datasets were restricted to European-

ancestry populations to minimize population stratification bias. The complete metadata, including sample sizes, ancestral background, and phenotype definitions, can be found in the original publications as referenced.

Exposure/Outcome	First author/Study	Participants	Pubmed ID/Web source
mQTL	Hatton et al.	3,701 European individuals	38548728
eQTL	The Genotype-Tissue Expression project	838 individuals (85.5% were European)	https://gtexportal.org/home/datasets
pQTL	Ferkingstad et al. 2021	35,559 Icelanders	34857953
	Sun et al. 2023	54,219 UK Biobank participants (UKB-PPP)	37794186
	Sun et al. 2018	3,301 European individuals (INTERVAL)	29875488
	Pietzner et al. 2021 FinnGen	10,708 European individuals (Fenland) 520,000 Finnish biobank donors (FinnGen)	9904207 https://www.finnngen.fi/en
Large-artery atherosclerosis stroke (LAAS)	Malik et al. 2018	4,373 cases and 406,111 controls of European-ancestry	29531354

QTL, quantitative trait loci

Table S1: Information of included studies.

2.3 Summary-Data-Based MR Analysis

Summary-data-based Mendelian randomization (SMR) was employed to estimate the association of gene methylation, expression, and protein abundance with the risk of LAAS [12]. Based on the top-associated cis-QTL, the SMR can reach a much higher statistical power than conventional MR analysis when exposure and outcome are available from two independent samples with large sample sizes. The top-associated cis-QTL were selected by considering a window centered around the corresponding gene (± 1000 kb) and passing a P-value threshold of 5.0×10^{-8} . Heterogeneity in the dependent instrument (HEIDI) test was applied to distinguish pleiotropy from linkage, where $P\text{-HEIDI} < 0.05$ was considered likely due to pleiotropy and thus discarded from the analysis. SMR and HEIDI tests were implemented using the SMR software tool (SMR v1.3.1). The P-values were adjusted to control the false discovery rate (FDR) at $\alpha = 0.05$ using the Benjamini-Hochberg method [13]. Associations with the FDR P-value < 0.05 and $P\text{-HEIDI} > 0.05$ were undertaken for colocalization analysis.

2.4 Colocalization Analysis

We performed colocalization analysis using the coloc R package to assess whether the observed associations between LAAS and molecular QTLs (mQTLs, eQTLs, and pQTLs) were driven by shared causal variants, evaluating five competing hypotheses: H0 (no association with either trait), H1 (association with molecular trait only), H2 (association with LAAS only), H3 (distinct causal variants for each trait), and H4 (shared causal variant for both traits). The analysis was conducted within ± 1000 kb genomic windows of each QTL, with associations demonstrating a posterior probability of H4 (PPH4) > 0.70 considered strong evidence of colocalization and supporting a potential causal relationship.

2.5 Integrating Results From the Multi-Omics Level of Evidence

We integrated multi-omics evidence to systematically evaluate gene-LAAS associations across different regulatory levels (methylation, expression, and protein abundance), with all candidate genes required to demonstrate protein-level causal associations (FDR < 0.05). Genes were classified into three tiers based on evidence consistency: Tier 1 genes showed significant associations at all levels (mQTL/eQTL/pQTL FDR < 0.05 , PPH4 > 0.7 , and $P\text{-HEIDI} > 0.05$); Tier 2 genes exhibited inconsistent evidence at one or more levels (FDR ≥ 0.05 , PPH4 ≤ 0.7 , or $P\text{-HEIDI} \leq 0.05$ for methylation/expression); while Tier 3 genes lacked methylation or expression data. To investigate potential regulatory mechanisms, we conducted Mendelian randomization analyses between gene methylation and expression and between expression and protein abundance.

3. Results

3.1 Identifies Five LAAS-Associated Proteins

A total of 5 proteins were significantly associated with LAAS risk after Bonferroni correction (Table S2 and Fig. 2). Genetically predicted higher levels of LPA and ITGAV were associated with an increased risk of LAAS, while the other 3 proteins (MMP12, CD40, DKKL1) were negatively associated with LAAS risk, suggesting that lower levels of the 3 proteins were associated with a higher risk of LAAS. Results were consistent across all five analyzed databases when protein data were available. Full results of the discovery proteome-wide SMR analysis are provided in Additional file 1: Table S2.

Study/Gene	Top SNP	OR(95% CI)		P-SMR	P-HEIDI	PPH4
UKB PPP						
LPA	rs56393506	1.28 (1.17, 1.40)		1.94E-04	0.784	1.000
MMP12	rs17368814	0.80 (0.73, 0.88)		0.003	0.928	0.462
CD40	rs4810485	0.75 (0.65, 0.85)		0.005	0.577	0.985
DKKL1	rs2303759	0.92 (0.88, 0.96)		0.023	0.457	0.913
ITGAV	rs2595391	1.94 (1.38, 2.73)		0.041	0.215	0.794
INTERVAL						
MMP-12	rs28381684	0.80 (0.74, 0.88)		0.001	NA	0.962
FinnGen Somascan						
MMP12	rs17368659	0.80 (0.73, 0.89)		0.006	0.985	0.625
FinnGen Olink						
LPA	rs56393506	1.38 (1.20, 1.59)		0.002	0.970	0.999
MMP12	rs17368659	0.81 (0.74, 0.89)		0.002	0.962	0.559
CD40	rs4239702	0.85 (0.79, 0.92)		0.003	0.623	0.975
Fenland						
MMP12	rs17368814	0.78 (0.70, 0.87)		0.005	0.814	0.465

P-SMR after FDR adjustment, showing only results < 0.05

FIGURE 2 - Associations of genetically predicted gene encoded protein with LAAS in Summary-data-based Mendelian randomization. OR, odds ratio; CI, confidence interval; HEIDI, heterogeneity in dependent instruments; PPH4, posterior probability of H4.

Study	Gene	SNP	Beta	SE	OR (95% CI)	P value	P value after FDR adjustment	P value (HEIDI test)	Number of SNPs used in HEIDI test	PPH4
UKB PPP	LPA	rs56393506	0.247	0.047	1.28 (1.17, 1.40)	1.32E-07	1.94E-04	0.784	20	100.0%
UKB PPP	MMP12	rs17368814	-0.220	0.047	0.80 (0.73, 0.88)	3.54E-06	0.003	0.928	20	46.2%
UKB PPP	CD40	rs4810485	-0.294	0.067	0.75 (0.65, 0.85)	1.06E-05	0.005	0.577	20	98.5%
UKB PPP	DKKL1	rs2303759	-0.088	0.022	0.92 (0.88, 0.96)	6.18E-05	0.023	0.457	20	91.3%
UKB PPP	ITGAV	rs2595391	0.665	0.174	1.94 (1.38, 2.74)	1.37E-04	0.041	0.215	20	79.4%
UKB PPP	VSIG2	rs11219769	0.484	0.135	1.62 (1.25, 2.11)	3.37E-04	0.083	0.829	20	79.5%
UKB PPP	FLRT2	rs17646457	-0.174	0.050	0.84 (0.76, 0.93)	4.34E-04	0.092	0.630	20	80.8%
UKB PPP	MEGF9	rs10984978	-0.262	0.078	0.77 (0.66, 0.90)	0.001	0.131	0.378	20	63.3%
UKB PPP	FURIN	rs2071410	0.467	0.139	1.59 (1.21, 2.09)	0.001	0.131	0.129	20	72.3%
UKB PPP	TSPAN8	rs11178654	0.168	0.053	1.18 (1.07, 1.31)	0.001	0.196	0.263	20	47.2%
UKB PPP	MASP1	rs698090	-0.395	0.125	0.67 (0.53, 0.86)	0.002	0.196	0.157	20	57.8%
UKB PPP	CLUL1	rs12957470	0.150	0.047	1.16 (1.06, 1.27)	0.001	0.196	0.716	20	65.1%
UKB PPP	BTN2A1	rs72843784	0.283	0.095	1.33 (1.10, 1.60)	0.003	0.314	0.990	20	33.5%
UKB PPP	NUCB2	rs214068	-0.189	0.063	0.83 (0.73, 0.94)	0.003	0.314	0.501	20	48.7%
UKB PPP	GIPC3	rs34722692	0.291	0.101	1.34 (1.10, 1.63)	0.004	0.324	0.039	20	27.3%
UKB PPP	TDRKH	rs4845556	0.226	0.078	1.25 (1.08, 1.46)	0.004	0.324	0.751	20	40.3%
UKB PPP	CHCHD10	rs34284791	-1.091	0.375	0.34 (0.16, 0.70)	0.004	0.324	0.986	20	45.6%
UKB PPP	STX16	rs218476	1.323	0.452	3.76 (1.55, 9.11)	0.003	0.324	0.440	20	53.5%
UKB PPP	COL2A1	rs10875723	-0.092	0.034	0.91 (0.85, 0.97)	0.006	0.419	0.887	20	23.3%
UKB PPP	NTproBNP	rs198379	-0.270	0.098	0.76 (0.63, 0.93)	0.006	0.419	0.701	20	27.2%
UKB PPP	S100A13	rs114678888	-0.429	0.154	0.65 (0.48, 0.88)	0.005	0.419	0.961	20	41.1%
UKB PPP	TTR	rs1667229	0.586	0.215	1.80 (1.18, 2.74)	0.006	0.426	0.082	20	15.1%
UKB PPP	REG3A	rs147616162	0.364	0.134	1.44 (1.11, 1.87)	0.007	0.427	0.465	20	31.0%
UKB PPP	SPTLC1	rs45461899	-0.410	0.152	0.66 (0.49, 0.89)	0.007	0.427	0.811	20	37.6%
UKB PPP	KEL	rs8176059	-0.482	0.180	0.62 (0.43, 0.88)	0.007	0.428	0.867	5	17.3%
UKB PPP	RNASE10	rs7144945	-0.084	0.032	0.92 (0.86, 0.98)	0.008	0.434	0.182	17	24.8%
UKB PPP	NPPB	rs198389	-0.365	0.140	0.69 (0.53, 0.91)	0.009	0.487	0.789	20	24.2%
UKB PPP	CELSR2	rs12740374	-0.174	0.067	0.84 (0.74, 0.96)	0.010	0.487	0.465	20	24.3%
UKB PPP	ITPR1	rs76604555	-0.724	0.279	0.48 (0.28, 0.84)	0.010	0.487	0.998	19	26.8%
UKB PPP	APRT	rs111433410	2.749	1.112	15.63 (1.77, 138.24)	0.013	0.493	NA	NA	7.6%

UKB PPP	HMCN2	rs6415851	-0.098	0.040	0.91 (0.84, 0.98)	0.014	0.493	0.341	20	13.1%
UKB PPP	NADK	rs1014988	-0.295	0.118	0.74 (0.59, 0.94)	0.013	0.493	0.999	20	16.0%
UKB PPP	AHNAK2	rs9805957	-0.300	0.122	0.74 (0.58, 0.94)	0.014	0.493	0.898	20	16.7%
UKB PPP	CRACR2A	rs6489498	-0.488	0.195	0.61 (0.42, 0.90)	0.012	0.493	0.938	20	17.3%
UKB PPP	CD5L	rs2765501	-0.312	0.124	0.73 (0.57, 0.93)	0.012	0.493	0.285	20	18.1%
UKB PPP	FSTL1	rs1147707	-0.469	0.192	0.63 (0.43, 0.91)	0.014	0.493	0.651	20	19.3%
UKB PPP	RABGAP1L	rs6661868	-0.858	0.347	0.42 (0.21, 0.84)	0.013	0.493	0.262	20	20.3%
UKB PPP	IL17D	rs4770059	-0.176	0.071	0.84 (0.73, 0.96)	0.013	0.493	0.742	20	20.7%
UKB PPP	CYTL1	rs11722554	-0.141	0.058	0.87 (0.78, 0.97)	0.014	0.493	0.723	8	21.5%
UKB PPP	TGFBR3	rs2634023	0.533	0.210	1.70 (1.13, 2.57)	0.011	0.493	0.008	20	24.7%
UKB PPP	CD27	rs25680	-0.268	0.106	0.77 (0.62, 0.94)	0.012	0.493	0.940	20	29.3%
UKB PPP	SEPTIN8	rs30512	0.735	0.289	2.08 (1.18, 3.67)	0.011	0.493	0.978	20	37.0%
UKB PPP	NOTCH2	rs2641348	-0.598	0.234	0.55 (0.35, 0.87)	0.011	0.493	0.234	20	37.6%
UKB PPP	KIAA0319	rs3181238	-0.203	0.083	0.82 (0.69, 0.96)	0.015	0.497	0.881	20	14.3%
UKB PPP	GNAS	rs6026450	-0.848	0.350	0.43 (0.22, 0.85)	0.016	0.508	0.042	20	19.8%
UKB PPP	FES	rs1894401	-0.471	0.195	0.62 (0.43, 0.92)	0.016	0.508	0.376	20	50.8%
UKB PPP	CD33	rs2455069	0.050	0.021	1.05 (1.01, 1.10)	0.017	0.512	0.626	20	10.8%
UKB PPP	IGLC2	rs2856876	0.420	0.175	1.52 (1.08, 2.14)	0.017	0.512	0.772	16	20.6%
UKB PPP	LEPR	rs10399687	0.264	0.118	1.30 (1.03, 1.64)	0.025	0.516	0.215	20	2.8%
UKB PPP	PRDX3	rs7358070	0.997	0.438	2.71 (1.15, 6.40)	0.023	0.516	0.031	20	8.6%
UKB PPP	LYPD8	rs12044252	0.116	0.052	1.12 (1.01, 1.24)	0.025	0.516	0.632	20	9.1%
UKB PPP	DAPK2	rs34772505	0.147	0.064	1.16 (1.02, 1.31)	0.022	0.516	0.768	20	9.2%
UKB PPP	PTPRB	rs2465811	-0.180	0.078	0.84 (0.72, 0.97)	0.021	0.516	0.976	20	9.3%
UKB PPP	CNTN4	rs163352	0.244	0.108	1.28 (1.03, 1.58)	0.024	0.516	0.550	20	10.4%
UKB PPP	PTPRF	rs2842194	-0.766	0.336	0.47 (0.24, 0.90)	0.023	0.516	0.066	20	10.6%
UKB PPP	ICAM5	rs281439	-0.077	0.034	0.93 (0.87, 0.99)	0.024	0.516	0.293	20	10.7%
UKB PPP	GGT1	rs28509371	0.246	0.108	1.28 (1.04, 1.58)	0.022	0.516	0.083	20	11.0%
UKB PPP	RTN4R	rs663353	0.216	0.096	1.24 (1.03, 1.50)	0.024	0.516	0.263	20	13.1%
UKB PPP	FCAR	rs12608573	-0.086	0.038	0.92 (0.85, 0.99)	0.025	0.516	0.247	20	13.3%
UKB PPP	GAS6	rs6602909	-0.212	0.093	0.81 (0.67, 0.97)	0.023	0.516	0.823	20	13.9%
UKB PPP	CAT	rs2284368	-0.357	0.159	0.70 (0.51, 0.95)	0.024	0.516	0.258	20	15.2%
UKB PPP	LRIG1	rs2306272	0.078	0.033	1.08 (1.01, 1.15)	0.019	0.516	0.397	20	15.4%
UKB PPP	KLK15	rs73048483	0.084	0.035	1.09 (1.01, 1.17)	0.018	0.516	0.693	20	15.5%

UKB PPP	SCGB3A2	rs17717320	-0.290	0.127	0.75 (0.58, 0.96)	0.022	0.516	0.102	20	16.5%
UKB PPP	IL18R1	rs10190555	0.075	0.032	1.08 (1.01, 1.15)	0.019	0.516	0.910	20	16.7%
UKB PPP	THTPA	rs28403575	-0.130	0.058	0.88 (0.78, 0.98)	0.024	0.516	0.007	9	16.9%
UKB PPP	PRDX6	rs33951697	-0.422	0.185	0.66 (0.46, 0.94)	0.023	0.516	0.864	20	16.9%
UKB PPP	PYY	rs2341378	0.251	0.107	1.28 (1.04, 1.59)	0.020	0.516	0.657	20	17.1%
UKB PPP	AXL	rs66841352	0.346	0.149	1.41 (1.06, 1.89)	0.020	0.516	0.885	20	18.2%
UKB PPP	NPTXR	rs111577133	0.107	0.048	1.11 (1.01, 1.22)	0.025	0.516	0.331	20	18.7%
UKB PPP	SHPK	rs224495	-0.729	0.321	0.48 (0.26, 0.90)	0.023	0.516	0.815	20	19.3%
UKB PPP	GRIK2	rs59321237	-0.254	0.107	0.78 (0.63, 0.96)	0.017	0.516	0.368	20	19.4%
UKB PPP	GFRA1	rs11197603	-0.257	0.115	0.77 (0.62, 0.97)	0.026	0.518	0.604	20	15.6%
UKB PPP	AP1G2	rs28403575	-0.506	0.227	0.60 (0.39, 0.94)	0.026	0.518	0.013	9	18.3%
UKB PPP	TFPI	rs7576066	-0.168	0.077	0.85 (0.73, 0.98)	0.029	0.519	0.838	20	3.1%
UKB PPP	RGMA	rs3752102	0.243	0.115	1.27 (1.02, 1.60)	0.034	0.519	0.564	20	4.9%
UKB PPP	LAMA4	rs7765769	-0.316	0.147	0.73 (0.55, 0.97)	0.032	0.519	0.251	20	6.8%
UKB PPP	C5	rs4837810	0.373	0.171	1.45 (1.04, 2.03)	0.029	0.519	0.431	20	7.2%
UKB PPP	ANGPT2	rs1968586	-0.365	0.166	0.69 (0.50, 0.96)	0.028	0.519	0.598	20	8.6%
UKB PPP	ROBO4	rs59648931	0.620	0.290	1.86 (1.05, 3.28)	0.033	0.519	0.216	20	9.2%
UKB PPP	CHAC2	rs78694551	-0.393	0.186	0.67 (0.47, 0.97)	0.035	0.519	0.472	20	9.3%
UKB PPP	BLMH	rs1050565	0.101	0.046	1.11 (1.01, 1.21)	0.028	0.519	0.325	20	9.4%
UKB PPP	FCRL3	rs7522061	0.056	0.026	1.06 (1.01, 1.11)	0.031	0.519	0.626	20	9.7%
UKB PPP	CDH23	rs2166631	0.386	0.183	1.47 (1.03, 2.10)	0.035	0.519	0.465	20	10.3%
UKB PPP	VTI1A	rs79671623	-1.039	0.478	0.35 (0.14, 0.90)	0.030	0.519	0.361	20	10.6%
UKB PPP	DTX3	rs2277323	0.563	0.265	1.76 (1.04, 2.95)	0.034	0.519	0.630	20	10.7%
UKB PPP	TIGIT	rs6792290	0.631	0.299	1.88 (1.05, 3.37)	0.035	0.519	0.795	20	11.2%
UKB PPP	EPPK1	rs73375129	0.175	0.082	1.19 (1.01, 1.40)	0.034	0.519	0.853	7	11.4%
UKB PPP	CD207	rs17718987	-0.127	0.058	0.88 (0.79, 0.99)	0.029	0.519	0.646	20	11.8%
UKB PPP	PILRB	rs1859788	0.053	0.025	1.05 (1.00, 1.11)	0.032	0.519	0.302	20	11.9%
UKB PPP	PILRA	rs1859788	0.061	0.029	1.06 (1.01, 1.12)	0.032	0.519	0.466	20	11.9%
UKB PPP	ITGAM	rs11150613	-0.343	0.162	0.71 (0.52, 0.97)	0.034	0.519	0.448	20	12.4%
UKB PPP	PRSS22	rs8046218	-0.234	0.107	0.79 (0.64, 0.97)	0.028	0.519	0.741	20	12.4%
UKB PPP	SH3BP1	rs12710562	-0.280	0.128	0.76 (0.59, 0.97)	0.029	0.519	0.972	20	12.9%
UKB PPP	ITPA	rs1127354	0.094	0.044	1.10 (1.01, 1.20)	0.032	0.519	0.270	20	14.3%
UKB PPP	MIA	rs2607421	0.075	0.035	1.08 (1.01, 1.15)	0.031	0.519	0.666	20	15.0%

UKB PPP	HLA-DRA	rs36096565	-0.131	0.059	0.88 (0.78, 0.98)	0.027	0.519	NA	NA	16.0%
UKB PPP	SEC31A	rs11541628	-0.775	0.361	0.46 (0.23, 0.93)	0.032	0.519	NA	NA	16.2%
UKB PPP	IL10	rs3024495	0.528	0.245	1.69 (1.05, 2.74)	0.031	0.519	0.060	20	17.5%
UKB PPP	INSL4	rs41313766	0.406	0.193	1.50 (1.03, 2.19)	0.036	0.529	0.153	20	12.3%
UKB PPP	PTPRZ1	rs7797305	-0.306	0.146	0.74 (0.55, 0.98)	0.037	0.534	0.481	20	5.7%
UKB PPP	MMP9	rs17576	-0.387	0.186	0.68 (0.47, 0.98)	0.037	0.537	0.197	20	3.2%
UKB PPP	GCNT1	rs2282683	-0.127	0.061	0.88 (0.78, 0.99)	0.037	0.537	0.941	20	8.9%
UKB PPP	SERPINB9	rs7751676	-0.529	0.257	0.59 (0.36, 0.98)	0.040	0.566	0.890	20	5.3%
UKB PPP	CD4	rs73053728	0.160	0.079	1.17 (1.00, 1.37)	0.043	0.568	0.594	20	5.5%
UKB PPP	VAT1	rs7210098	-0.377	0.188	0.69 (0.47, 0.99)	0.045	0.568	0.819	20	7.0%
UKB PPP	SGSH	rs7503034	-0.060	0.030	0.94 (0.89, 1.00)	0.046	0.568	0.516	20	7.2%
UKB PPP	IGFBP3	rs2854746	-0.111	0.056	0.89 (0.80, 1.00)	0.046	0.568	0.188	20	7.3%
UKB PPP	PAG1	rs4436084	0.691	0.345	2.00 (1.02, 3.92)	0.045	0.568	0.212	20	8.2%
UKB PPP	GRP	rs17835713	0.144	0.071	1.16 (1.01, 1.33)	0.042	0.568	0.446	20	8.4%
UKB PPP	TACSTD2	rs7333	0.077	0.038	1.08 (1.00, 1.16)	0.044	0.568	0.799	20	8.4%
UKB PPP	FGFBP2	rs35700679	0.095	0.047	1.10 (1.00, 1.21)	0.044	0.568	0.777	20	9.1%
UKB PPP	PROK1	rs1857513	0.142	0.071	1.15 (1.00, 1.32)	0.044	0.568	0.618	20	9.2%
UKB PPP	SERPINE2	rs68066031	-0.108	0.053	0.90 (0.81, 1.00)	0.041	0.568	0.969	20	9.7%
UKB PPP	LIFR	rs62353655	-0.340	0.169	0.71 (0.51, 0.99)	0.044	0.568	0.249	7	10.8%
UKB PPP	GPHA2	rs114391421	0.247	0.124	1.28 (1.00, 1.63)	0.046	0.568	0.772	20	12.2%
UKB PPP	EIF5	rs138711694	-1.264	0.631	0.28 (0.08, 0.97)	0.045	0.568	0.322	20	12.8%
UKB PPP	PPCDC	rs12591994	0.157	0.078	1.17 (1.00, 1.36)	0.045	0.568	0.157	20	14.7%
UKB PPP	EREG	rs78803121	-0.921	0.458	0.40 (0.16, 0.98)	0.044	0.568	NA	NA	15.0%
UKB PPP	OCLN	rs2583707	-0.418	0.208	0.66 (0.44, 0.99)	0.045	0.568	0.664	6	18.3%
UKB PPP	REG3G	rs2861742	0.193	0.097	1.21 (1.00, 1.47)	0.047	0.569	0.804	20	5.6%
UKB PPP	TMPRSS5	rs7114195	0.065	0.033	1.07 (1.00, 1.14)	0.048	0.577	0.437	20	3.3%
UKB PPP	FBLN2	rs7623097	-0.253	0.128	0.78 (0.60, 1.00)	0.048	0.578	NA	NA	10.2%
UKB PPP	SOST	rs1513671	-0.867	0.444	0.42 (0.18, 1.00)	0.051	0.596	0.666	20	7.2%
UKB PPP	IL36G	rs13410389	0.632	0.324	1.88 (1.00, 3.55)	0.051	0.596	0.441	20	7.8%
UKB PPP	DPEP1	rs409170	0.075	0.038	1.08 (1.00, 1.16)	0.051	0.596	0.738	20	9.4%
UKB PPP	TMED8	rs11620921	-0.745	0.393	0.47 (0.22, 1.03)	0.058	0.614	0.745	20	2.0%
UKB PPP	HS3ST3B1	rs17669311	-0.149	0.079	0.86 (0.74, 1.00)	0.057	0.614	0.769	20	5.0%
UKB PPP	CST5	rs1799841	-0.066	0.035	0.94 (0.87, 1.00)	0.057	0.614	0.253	20	5.4%

UKB PPP	PER3	rs228647	0.128	0.067	1.14 (1.00, 1.30)	0.058	0.614	0.950	20	5.6%
UKB PPP	KRT19	rs7405611	-0.332	0.175	0.72 (0.51, 1.01)	0.058	0.614	0.006	20	6.0%
UKB PPP	FKBP1B	rs872169	-0.226	0.118	0.80 (0.63, 1.01)	0.056	0.614	0.090	20	6.7%
UKB PPP	COMT	rs4680	-0.111	0.058	0.89 (0.80, 1.00)	0.055	0.614	0.142	20	6.8%
UKB PPP	WARS	rs2273804	0.217	0.112	1.24 (1.00, 1.55)	0.053	0.614	0.255	20	7.1%
UKB PPP	GZMA	rs2047745	0.871	0.458	2.39 (0.97, 5.87)	0.058	0.614	0.749	20	8.1%
UKB PPP	FCGR2A	rs11810143	0.049	0.026	1.05 (1.00, 1.10)	0.054	0.614	0.908	20	8.8%
UKB PPP	THBS2	rs78109196	0.124	0.065	1.13 (1.00, 1.29)	0.055	0.614	0.324	20	9.0%
UKB PPP	S100A4	rs56350425	-0.364	0.191	0.69 (0.48, 1.01)	0.057	0.614	0.910	20	10.8%
UKB PPP	SNAP25	rs362562	-0.478	0.249	0.62 (0.38, 1.01)	0.055	0.614	0.786	20	11.1%
UKB PPP	VASN	rs35713275	-0.159	0.082	0.85 (0.73, 1.00)	0.054	0.614	0.899	14	11.1%
UKB PPP	FABP5	rs118019635	-0.554	0.293	0.57 (0.32, 1.02)	0.059	0.618	0.775	20	10.1%
UKB PPP	GRHPR	rs4878690	-0.192	0.102	0.83 (0.68, 1.01)	0.060	0.619	0.921	20	5.9%
UKB PPP	RARRES2	rs3735167	0.258	0.137	1.29 (0.99, 1.69)	0.061	0.625	0.926	20	5.7%
UKB PPP	IL12RB1	rs369378	-0.122	0.066	0.88 (0.78, 1.01)	0.063	0.629	0.301	20	0.4%
UKB PPP	RABEPK	rs7858935	0.322	0.182	1.38 (0.97, 1.97)	0.077	0.629	0.905	20	2.3%
UKB PPP	BTN3A2	rs9393710	-0.078	0.042	0.92 (0.85, 1.00)	0.062	0.629	NA	NA	3.1%
UKB PPP	LTBR	rs10849449	0.159	0.089	1.17 (0.99, 1.40)	0.073	0.629	0.465	20	3.3%
UKB PPP	ACTA2	rs1324551	0.766	0.419	2.15 (0.95, 4.89)	0.068	0.629	0.927	20	3.6%
UKB PPP	ACADM	rs61797339	-0.347	0.191	0.71 (0.49, 1.03)	0.068	0.629	0.786	20	4.0%
UKB PPP	EIF2AK2	rs10187017	-0.308	0.175	0.73 (0.52, 1.03)	0.077	0.629	0.849	20	4.1%
UKB PPP	CCL25	rs2032887	-0.073	0.039	0.93 (0.86, 1.00)	0.063	0.629	0.518	20	4.3%
UKB PPP	TNFAIP8L2	rs4970991	-0.809	0.454	0.45 (0.18, 1.09)	0.075	0.629	0.412	20	4.4%
UKB PPP	CNTN1	rs11177604	0.232	0.131	1.26 (0.98, 1.63)	0.076	0.629	0.994	20	4.4%
UKB PPP	ENO3	rs2243090	0.511	0.288	1.67 (0.95, 2.93)	0.075	0.629	0.010	20	4.5%
UKB PPP	TIMP2	rs8066695	0.488	0.275	1.63 (0.95, 2.79)	0.076	0.629	0.096	20	4.7%
UKB PPP	FSHB	rs11031006	0.457	0.248	1.58 (0.97, 2.57)	0.066	0.629	0.079	20	5.0%
UKB PPP	FUCA1	rs13551	0.140	0.078	1.15 (0.99, 1.34)	0.073	0.629	0.103	20	5.1%
UKB PPP	HGFAC	rs4690097	-0.101	0.057	0.90 (0.81, 1.01)	0.078	0.629	0.586	20	5.1%
UKB PPP	CXCL11	rs35170645	0.214	0.121	1.24 (0.98, 1.57)	0.076	0.629	0.002	20	5.2%
UKB PPP	FN1	rs1250259	-0.113	0.063	0.89 (0.79, 1.01)	0.071	0.629	0.069	20	5.2%
UKB PPP	HSDL2	rs10817342	-0.075	0.042	0.93 (0.85, 1.01)	0.073	0.629	0.143	20	5.3%
UKB PPP	CXCL9	rs13118503	0.343	0.190	1.41 (0.97, 2.04)	0.072	0.629	0.715	20	5.4%

UKB PPP	PLXNB2	rs11547731	-0.088	0.049	0.92 (0.83, 1.01)	0.072	0.629	0.474	20	5.5%
UKB PPP	SERPINA9	rs2038499	-0.100	0.055	0.90 (0.81, 1.01)	0.066	0.629	0.327	20	5.7%
UKB PPP	CD14	rs5744441	-0.163	0.089	0.85 (0.71, 1.01)	0.066	0.629	0.074	20	5.8%
UKB PPP	ECM1	rs3737240	-0.069	0.039	0.93 (0.87, 1.01)	0.074	0.629	0.139	20	5.9%
UKB PPP	IL17RB	rs6445607	-0.058	0.032	0.94 (0.89, 1.00)	0.068	0.629	0.475	20	5.9%
UKB PPP	PYDC1	rs4561481	-0.150	0.085	0.86 (0.73, 1.02)	0.079	0.629	0.270	20	6.0%
UKB PPP	FGF5	rs12509595	0.073	0.040	1.08 (0.99, 1.16)	0.068	0.629	0.414	20	6.0%
UKB PPP	SIGLEC7	rs140185670	0.191	0.108	1.21 (0.98, 1.50)	0.078	0.629	0.176	5	6.4%
UKB PPP	OLFM4	rs17552047	-0.061	0.033	0.94 (0.88, 1.00)	0.062	0.629	0.170	9	6.5%
UKB PPP	HBZ	rs2461286	0.053	0.029	1.05 (1.00, 1.12)	0.068	0.629	0.189	20	6.8%
UKB PPP	FABP1	rs2241883	0.205	0.114	1.23 (0.98, 1.53)	0.071	0.629	0.501	20	6.9%
UKB PPP	HSPG2	rs6684152	0.299	0.161	1.35 (0.98, 1.85)	0.064	0.629	0.842	20	7.0%
UKB PPP	SNX15	rs2670910	-0.105	0.060	0.90 (0.80, 1.01)	0.079	0.629	0.122	20	7.7%
UKB PPP	CHMP1A	rs460879	-0.530	0.294	0.59 (0.33, 1.05)	0.072	0.629	0.420	20	8.1%
UKB PPP	TG	rs75143612	-0.781	0.430	0.46 (0.20, 1.06)	0.069	0.629	0.822	17	8.9%
UKB PPP	SPINK2	rs28656303	0.116	0.065	1.12 (0.99, 1.28)	0.075	0.629	0.563	20	9.3%
UKB PPP	BID	rs183393610	-1.103	0.592	0.33 (0.10, 1.06)	0.062	0.629	NA	NA	9.4%
UKB PPP	LTA	rs2229092	-0.063	0.035	0.94 (0.88, 1.01)	0.075	0.629	0.418	20	10.0%
UKB PPP	ADIPOQ	rs143257534	-0.227	0.127	0.80 (0.62, 1.02)	0.072	0.629	0.893	20	10.1%
UKB PPP	SLC4A1	rs145919155	0.864	0.476	2.37 (0.93, 6.03)	0.070	0.629	0.889	20	10.8%
UKB PPP	DCTPP1	rs146094440	-0.624	0.349	0.54 (0.27, 1.06)	0.074	0.629	0.563	9	11.5%
UKB PPP	AGER	rs204993	-0.475	0.267	0.62 (0.37, 1.05)	0.076	0.629	0.867	20	12.5%
UKB PPP	APOM	rs805258	0.207	0.112	1.23 (0.99, 1.53)	0.065	0.629	0.579	20	13.0%
UKB PPP	GFRA2	rs1480999	0.141	0.081	1.15 (0.98, 1.35)	0.080	0.633	0.600	20	3.9%
UKB PPP	PTPRS	rs55763631	-0.205	0.117	0.81 (0.65, 1.02)	0.080	0.633	0.646	17	8.7%
UKB PPP	C1QTNF5	rs2509656	-0.393	0.225	0.68 (0.43, 1.05)	0.081	0.638	0.171	20	5.4%
UKB PPP	SCG3	rs2606134	0.071	0.041	1.07 (0.99, 1.16)	0.083	0.646	0.041	20	5.6%
UKB PPP	CD69	rs12819552	-0.795	0.460	0.45 (0.18, 1.11)	0.084	0.650	NA	NA	4.2%
UKB PPP	TTF2	rs75261221	-0.135	0.078	0.87 (0.75, 1.02)	0.084	0.650	0.504	20	9.6%
UKB PPP	PRKG1	rs1937682	-0.223	0.130	0.80 (0.62, 1.03)	0.086	0.655	0.334	20	4.3%
UKB PPP	PLAUR	rs2302524	-0.338	0.197	0.71 (0.48, 1.05)	0.086	0.655	0.884	20	6.2%
UKB PPP	DPY30	rs72794684	0.924	0.537	2.52 (0.88, 7.22)	0.085	0.655	0.052	20	8.4%
UKB PPP	KLK1	rs601338	0.048	0.028	1.05 (0.99, 1.11)	0.088	0.659	0.557	20	1.1%

UKB PPP	IGSF21	rs11261050	0.305	0.179	1.36 (0.96, 1.93)	0.088	0.659	0.985	20	5.1%
UKB PPP	VCAM1	rs139561173	0.503	0.295	1.65 (0.93, 2.95)	0.088	0.659	0.693	20	5.5%
UKB PPP	LTBP3	rs4099470	0.108	0.063	1.11 (0.98, 1.26)	0.088	0.659	0.997	20	6.1%
UKB PPP	LRRN1	rs9839475	-0.056	0.033	0.95 (0.89, 1.01)	0.090	0.663	0.001	20	3.0%
UKB PPP	SPRED2	rs7569084	-0.605	0.358	0.55 (0.27, 1.10)	0.091	0.663	0.360	20	4.0%
UKB PPP	CWC15	rs16921241	0.788	0.465	2.20 (0.88, 5.47)	0.090	0.663	0.052	20	4.8%
UKB PPP	CHL1	rs931679	0.144	0.085	1.16 (0.98, 1.37)	0.091	0.663	0.907	20	7.6%
UKB PPP	CD300LG	rs72836561	-0.146	0.087	0.86 (0.73, 1.02)	0.091	0.663	0.549	20	10.2%
UKB PPP	UROD	rs12749939	0.100	0.060	1.11 (0.98, 1.24)	0.092	0.664	0.968	20	5.1%
UKB PPP	VSIR	rs10999992	-0.134	0.080	0.87 (0.75, 1.02)	0.093	0.667	0.280	20	5.1%
UKB PPP	CA1	rs12544332	-0.477	0.284	0.62 (0.36, 1.08)	0.094	0.669	0.733	20	4.7%
UKB PPP	DNPH1	rs77321231	-0.152	0.091	0.86 (0.72, 1.03)	0.094	0.669	0.006	20	6.7%
UKB PPP	LGALS1	rs4820294	0.153	0.092	1.17 (0.97, 1.40)	0.095	0.672	0.084	20	4.3%
UKB PPP	SLC9A3R2	rs3211995	0.406	0.243	1.50 (0.93, 2.42)	0.095	0.672	0.375	20	5.9%
UKB PPP	LONP1	rs74996080	-0.299	0.180	0.74 (0.52, 1.05)	0.096	0.673	NA	NA	5.8%
UKB PPP	ADGRD1	rs4759533	-0.117	0.070	0.89 (0.77, 1.02)	0.096	0.673	0.427	20	6.0%
UKB PPP	KLK3	rs62113212	0.782	0.472	2.18 (0.87, 5.51)	0.098	0.674	0.600	20	4.8%
UKB PPP	GFRAL	rs72988065	-0.152	0.092	0.86 (0.72, 1.03)	0.098	0.674	0.664	20	5.4%
UKB PPP	CREG1	rs7513428	-0.227	0.137	0.80 (0.61, 1.04)	0.098	0.674	0.331	20	5.6%
UKB PPP	CCL27	rs2070074	-0.220	0.133	0.80 (0.62, 1.04)	0.098	0.674	0.515	20	7.4%
UKB PPP	MMP1	rs534191	-0.092	0.056	0.91 (0.82, 1.02)	0.099	0.675	0.986	20	0.0%
UKB PPP	MOCS2	rs6880055	0.095	0.058	1.10 (0.98, 1.23)	0.100	0.675	0.327	20	2.4%
UKB PPP	SFRP1	rs72643819	0.231	0.141	1.26 (0.96, 1.66)	0.101	0.675	0.301	20	4.0%
UKB PPP	ADGRG1	rs733464	-0.606	0.367	0.55 (0.27, 1.12)	0.099	0.675	0.081	12	4.3%
UKB PPP	ADAMTSL2	rs1008250	-0.604	0.367	0.55 (0.27, 1.12)	0.100	0.675	0.777	20	4.8%
UKB PPP	DBNL	rs7799945	0.806	0.493	2.24 (0.85, 5.88)	0.102	0.680	0.429	20	5.5%
UKB PPP	LRPAP1	rs143486729	-0.215	0.132	0.81 (0.62, 1.04)	0.103	0.681	0.227	20	7.6%
UKB PPP	RNASEH2A	rs7247284	0.473	0.290	1.61 (0.91, 2.84)	0.103	0.683	0.746	20	7.4%
UKB PPP	GALNT2	rs4846914	-0.146	0.090	0.86 (0.72, 1.03)	0.105	0.690	0.319	20	2.9%
UKB PPP	CTSF	rs1044522	-0.216	0.134	0.81 (0.62, 1.05)	0.108	0.705	0.765	20	2.8%
UKB PPP	CHIT1	rs872583	-0.046	0.029	0.96 (0.90, 1.01)	0.108	0.705	0.939	20	4.8%
UKB PPP	PALM	rs12610821	0.359	0.224	1.43 (0.92, 2.22)	0.108	0.705	0.847	20	7.4%
UKB PPP	PSAPL1	rs10014338	0.081	0.051	1.08 (0.98, 1.20)	0.111	0.709	0.722	20	2.7%

UKB PPP	ICAM3	rs28378712	0.130	0.082	1.14 (0.97, 1.34)	0.113	0.709	0.320	20	3.0%
UKB PPP	NCS1	rs1054879	-0.439	0.277	0.64 (0.37, 1.11)	0.113	0.709	0.600	20	3.4%
UKB PPP	SPARCL1	rs56273319	-0.057	0.036	0.94 (0.88, 1.01)	0.112	0.709	0.327	20	4.1%
UKB PPP	PCDH7	rs1374657	-0.372	0.235	0.69 (0.43, 1.09)	0.113	0.709	0.061	20	4.2%
UKB PPP	FABP2	rs17009129	-0.196	0.123	0.82 (0.65, 1.05)	0.111	0.709	0.532	20	4.2%
UKB PPP	DLL1	rs9356631	-0.276	0.174	0.76 (0.54, 1.07)	0.112	0.709	0.195	20	4.4%
UKB PPP	ALDH3A1	rs887241	0.087	0.055	1.09 (0.98, 1.21)	0.113	0.709	0.080	20	4.5%
UKB PPP	PRSS53	rs4468641	0.046	0.029	1.05 (0.99, 1.11)	0.110	0.709	0.110	20	4.7%
UKB PPP	DCBLD2	rs12487717	-0.219	0.139	0.80 (0.61, 1.05)	0.115	0.713	0.113	20	8.5%
UKB PPP	PKLR	rs77350683	0.234	0.149	1.26 (0.94, 1.69)	0.116	0.716	0.751	20	6.9%
UKB PPP	AARSD1	rs323500	0.322	0.205	1.38 (0.92, 2.06)	0.117	0.720	0.112	20	4.8%
UKB PPP	MMP10	rs486055	-0.141	0.090	0.87 (0.73, 1.04)	0.118	0.723	0.891	20	0.0%
UKB PPP	PINLYP	rs3213276	-0.051	0.033	0.95 (0.89, 1.01)	0.119	0.724	0.334	20	3.7%
UKB PPP	IGFBPL1	rs7857243	0.102	0.066	1.11 (0.97, 1.26)	0.119	0.724	0.990	20	3.9%
UKB PPP	CDSN	rs3095306	0.072	0.046	1.07 (0.98, 1.18)	0.120	0.725	NA	NA	4.2%
UKB PPP	CYB5R2	rs61683338	-0.162	0.104	0.85 (0.69, 1.04)	0.120	0.725	0.734	20	4.5%
UKB PPP	FAM3D	rs12493131	-0.128	0.082	0.88 (0.75, 1.03)	0.119	0.725	0.031	20	4.7%
UKB PPP	AMY1A_AMY1B_AMY1C	rs72694438	0.118	0.077	1.13 (0.97, 1.31)	0.124	0.737	0.654	20	4.1%
UKB PPP	VWC2L	rs10932542	-0.464	0.302	0.63 (0.35, 1.14)	0.124	0.737	0.632	20	4.2%
UKB PPP	LUZP2	rs76794772	-0.290	0.189	0.75 (0.52, 1.08)	0.124	0.737	NA	NA	7.7%
UKB PPP	NEO1	rs11632433	-0.584	0.380	0.56 (0.26, 1.17)	0.124	0.737	0.728	20	8.3%
UKB PPP	FCRL1	rs4971154	0.105	0.069	1.11 (0.97, 1.27)	0.125	0.738	0.766	20	3.2%
UKB PPP	ADA2	rs737963	0.207	0.136	1.23 (0.94, 1.61)	0.126	0.740	0.608	20	3.9%
UKB PPP	ARSB	rs1065757	-0.133	0.087	0.88 (0.74, 1.04)	0.126	0.740	0.057	20	4.4%
UKB PPP	PENK	rs2576575	0.122	0.081	1.13 (0.96, 1.32)	0.132	0.744	0.764	20	2.8%
UKB PPP	GALNT3	rs2116546	-0.100	0.067	0.91 (0.79, 1.03)	0.137	0.744	0.209	20	2.9%
UKB PPP	HEG1	rs6438868	0.350	0.235	1.42 (0.89, 2.25)	0.137	0.744	3.07E-04	20	3.1%
UKB PPP	CRISP3	rs1025347	-0.066	0.043	0.94 (0.86, 1.02)	0.131	0.744	0.254	20	3.2%
UKB PPP	SNX18	rs2548611	0.491	0.324	1.63 (0.87, 3.08)	0.130	0.744	0.319	20	3.3%
UKB PPP	GALNT10	rs890793	0.096	0.065	1.10 (0.97, 1.25)	0.137	0.744	0.432	20	3.3%
UKB PPP	CLEC4D	rs4242896	0.071	0.047	1.07 (0.98, 1.18)	0.137	0.744	NA	NA	3.5%
UKB PPP	PALM2	rs1023005	0.186	0.126	1.20 (0.94, 1.54)	0.139	0.744	0.120	20	3.6%
UKB PPP	PSME2	rs2236352	0.415	0.280	1.51 (0.88, 2.62)	0.138	0.744	0.857	20	3.6%

UKB PPP	PSME1	rs2236352	0.458	0.309	1.58 (0.86, 2.90)	0.138	0.744	0.880	20	3.6%
UKB PPP	TCTN3	rs61871796	0.061	0.041	1.06 (0.98, 1.15)	0.133	0.744	0.940	20	3.6%
UKB PPP	SERPINF2	rs11078597	0.242	0.163	1.27 (0.93, 1.75)	0.138	0.744	0.493	20	3.8%
UKB PPP	ARHGAP25	rs13413887	0.418	0.282	1.52 (0.87, 2.64)	0.138	0.744	0.842	20	4.1%
UKB PPP	SFRP4	rs75207237	0.192	0.128	1.21 (0.94, 1.56)	0.135	0.744	0.889	20	4.1%
UKB PPP	CRYM	rs2733910	0.106	0.070	1.11 (0.97, 1.28)	0.130	0.744	0.800	20	4.8%
UKB PPP	KIRREL2	rs404299	0.251	0.165	1.29 (0.93, 1.78)	0.129	0.744	0.806	20	5.4%
UKB PPP	FAM172A	rs1470150	0.291	0.195	1.34 (0.91, 1.96)	0.135	0.744	0.260	20	5.6%
UKB PPP	VSTM2L	rs2273349	-0.336	0.221	0.71 (0.46, 1.10)	0.128	0.744	0.672	20	5.6%
UKB PPP	CRYZL1	rs13050238	-0.315	0.209	0.73 (0.48, 1.10)	0.132	0.744	0.816	20	6.8%
UKB PPP	CELA2A	rs188524036	-0.437	0.291	0.65 (0.36, 1.14)	0.133	0.744	NA	NA	7.5%
UKB PPP	TNFRSF12A	rs74758164	0.828	0.551	2.29 (0.78, 6.75)	0.133	0.744	0.661	20	7.6%
UKB PPP	PAPPA	rs117448041	0.747	0.501	2.11 (0.79, 5.63)	0.136	0.744	0.571	20	7.9%
UKB PPP	HMBS	rs72997349	0.377	0.251	1.46 (0.89, 2.38)	0.133	0.744	0.884	20	8.3%
UKB PPP	ADAM12	rs11244909	-0.289	0.196	0.75 (0.51, 1.10)	0.139	0.745	0.715	20	3.3%
UKB PPP	PTPRK	rs9321109	0.389	0.264	1.48 (0.88, 2.48)	0.140	0.746	0.120	20	4.4%
UKB PPP	QSOX1	rs12371	-0.061	0.042	0.94 (0.87, 1.02)	0.141	0.746	0.030	20	5.0%
UKB PPP	IQGAP2	rs10037254	0.252	0.172	1.29 (0.92, 1.80)	0.142	0.752	0.434	20	2.3%
UKB PPP	BPIFB2	rs2377736	-0.141	0.096	0.87 (0.72, 1.05)	0.143	0.752	0.820	20	3.8%
UKB PPP	APBB1IP	rs2992335	-0.170	0.116	0.84 (0.67, 1.06)	0.144	0.753	0.168	20	2.2%
UKB PPP	WNT9A	rs4653881	0.293	0.201	1.34 (0.90, 1.99)	0.145	0.753	0.375	20	2.5%
UKB PPP	CSF2RB	rs2239749	-0.034	0.023	0.97 (0.92, 1.01)	0.147	0.753	0.579	20	3.0%
UKB PPP	C1QTNF9	rs1961993	0.042	0.029	1.04 (0.99, 1.10)	0.146	0.753	0.147	20	3.1%
UKB PPP	TNFSF14	rs344560	-0.152	0.104	0.86 (0.70, 1.05)	0.144	0.753	0.714	20	3.7%
UKB PPP	PCSK7	rs171052	0.111	0.076	1.12 (0.96, 1.30)	0.144	0.753	0.129	20	4.4%
UKB PPP	CRNN	rs10494275	-0.053	0.037	0.95 (0.88, 1.02)	0.147	0.753	0.667	20	5.1%
UKB PPP	MILR1	rs138176943	0.115	0.079	1.12 (0.96, 1.31)	0.147	0.753	0.469	20	5.7%
UKB PPP	CCL17	rs9302690	0.172	0.119	1.19 (0.94, 1.50)	0.147	0.753	NA	NA	NA
UKB PPP	CNPY4	rs144305120	-0.223	0.154	0.80 (0.59, 1.08)	0.148	0.754	NA	NA	NA
UKB PPP	EPHA2	rs924204	-0.275	0.190	0.76 (0.52, 1.10)	0.149	0.754	NA	NA	NA
UKB PPP	CPPED1	rs8062313	-0.058	0.040	0.94 (0.87, 1.02)	0.150	0.754	NA	NA	NA
UKB PPP	CD59	rs704701	-0.157	0.109	0.85 (0.69, 1.06)	0.150	0.754	NA	NA	NA
UKB PPP	LCP1	rs7323373	0.040	0.028	1.04 (0.99, 1.10)	0.151	0.754	NA	NA	NA

UKB PPP	SLIT2	rs1185160	-0.658	0.459	0.52 (0.21, 1.27)	0.151	0.754	NA	NA	NA
UKB PPP	NCR3LG1	rs12146443	-0.100	0.069	0.91 (0.79, 1.04)	0.152	0.754	NA	NA	NA
UKB PPP	ODAM	rs76153614	-0.173	0.121	0.84 (0.66, 1.07)	0.152	0.754	NA	NA	NA
UKB PPP	TNFRSF14	rs2495366	0.311	0.218	1.36 (0.89, 2.09)	0.153	0.759	NA	NA	NA
UKB PPP	ALPP	rs12478529	0.088	0.062	1.09 (0.97, 1.23)	0.155	0.765	NA	NA	NA
UKB PPP	CDHR1	rs7916271	0.165	0.116	1.18 (0.94, 1.48)	0.156	0.765	NA	NA	NA
UKB PPP	ELOA	rs35863927	0.421	0.297	1.52 (0.85, 2.73)	0.156	0.765	NA	NA	NA
UKB PPP	ERMAP	rs11210710	0.393	0.278	1.48 (0.86, 2.55)	0.157	0.766	NA	NA	NA
UKB PPP	NUB1	rs113920358	0.230	0.163	1.26 (0.91, 1.73)	0.158	0.769	NA	NA	NA
UKB PPP	NAAA	rs112197434	0.061	0.043	1.06 (0.98, 1.16)	0.160	0.771	NA	NA	NA
UKB PPP	PEAR1	rs4661012	0.176	0.125	1.19 (0.93, 1.53)	0.160	0.771	NA	NA	NA
UKB PPP	PCDH9	rs73196184	0.171	0.122	1.19 (0.93, 1.51)	0.161	0.771	NA	NA	NA
UKB PPP	HSPA2	rs10498515	-0.334	0.238	0.72 (0.45, 1.14)	0.161	0.771	NA	NA	NA
UKB PPP	GOLGA3	rs11147139	0.415	0.296	1.51 (0.85, 2.71)	0.161	0.771	NA	NA	NA
UKB PPP	WASF1	rs1980532	-0.121	0.086	0.89 (0.75, 1.05)	0.162	0.771	NA	NA	NA
UKB PPP	STC1	rs57247992	0.559	0.400	1.75 (0.80, 3.83)	0.162	0.771	NA	NA	NA
UKB PPP	SUGP1	rs17751061	0.145	0.104	1.16 (0.94, 1.42)	0.164	0.771	NA	NA	NA
UKB PPP	ITIH5	rs41298373	0.472	0.339	1.60 (0.83, 3.12)	0.164	0.771	NA	NA	NA
UKB PPP	CA6	rs3765963	0.052	0.038	1.05 (0.98, 1.13)	0.165	0.771	NA	NA	NA
UKB PPP	SIGLEC6	rs62617068	-0.129	0.093	0.88 (0.73, 1.05)	0.165	0.771	NA	NA	NA
UKB PPP	CBLN4	rs12624596	0.201	0.144	1.22 (0.92, 1.62)	0.165	0.771	NA	NA	NA
UKB PPP	VAMP5	rs6547623	0.458	0.330	1.58 (0.83, 3.02)	0.165	0.771	NA	NA	NA
UKB PPP	ECHS1	rs1049951	0.187	0.135	1.21 (0.93, 1.57)	0.166	0.771	NA	NA	NA
UKB PPP	MMP8	rs35231465	-0.103	0.075	0.90 (0.78, 1.04)	0.169	0.776	NA	NA	NA
UKB PPP	TNFRSF6B	rs6062497	-0.120	0.087	0.89 (0.75, 1.05)	0.171	0.776	NA	NA	NA
UKB PPP	TNFRSF1A	rs4149584	0.630	0.460	1.88 (0.76, 4.63)	0.171	0.776	NA	NA	NA
UKB PPP	GGACT	rs4772304	0.077	0.056	1.08 (0.97, 1.21)	0.172	0.776	NA	NA	NA
UKB PPP	TCL1A	rs78986913	-0.129	0.094	0.88 (0.73, 1.06)	0.172	0.776	NA	NA	NA
UKB PPP	MTUS1	rs142323734	0.224	0.164	1.25 (0.91, 1.73)	0.172	0.776	NA	NA	NA
UKB PPP	ARG2	rs140881784	-0.861	0.630	0.42 (0.12, 1.45)	0.172	0.776	NA	NA	NA
UKB PPP	UMOD	rs12922822	0.046	0.033	1.05 (0.98, 1.12)	0.173	0.776	NA	NA	NA
UKB PPP	IL18	rs2250417	-0.116	0.085	0.89 (0.75, 1.05)	0.173	0.776	NA	NA	NA
UKB PPP	CEACAM1	rs10416089	-0.120	0.088	0.89 (0.75, 1.05)	0.173	0.776	NA	NA	NA

UKB PPP	CXCL1	rs3097411	0.058	0.043	1.06 (0.97, 1.15)	0.174	0.776	NA	NA	NA
UKB PPP	ICAM1	rs5030377	-0.083	0.061	0.92 (0.82, 1.04)	0.174	0.776	NA	NA	NA
UKB PPP	SLC39A14	rs35486529	-0.356	0.262	0.70 (0.42, 1.17)	0.174	0.776	NA	NA	NA
UKB PPP	HADH	rs17038246	-0.635	0.466	0.53 (0.21, 1.32)	0.174	0.776	NA	NA	NA
UKB PPP	ISM1	rs1998123	-0.197	0.145	0.82 (0.62, 1.09)	0.175	0.776	NA	NA	NA
UKB PPP	ICAM4	rs5030377	0.299	0.220	1.35 (0.88, 2.08)	0.175	0.776	NA	NA	NA
UKB PPP	TOR1AIP1	rs486906	0.049	0.037	1.05 (0.98, 1.13)	0.177	0.777	NA	NA	NA
UKB PPP	FRZB	rs13009	-0.080	0.060	0.92 (0.82, 1.04)	0.177	0.777	NA	NA	NA
UKB PPP	ORM1	rs10982156	-0.105	0.078	0.90 (0.77, 1.05)	0.177	0.777	NA	NA	NA
UKB PPP	SELE	rs7538317	0.379	0.281	1.46 (0.84, 2.54)	0.177	0.777	NA	NA	NA
UKB PPP	HMOX1	rs2071747	-0.486	0.361	0.62 (0.30, 1.25)	0.179	0.778	NA	NA	NA
UKB PPP	RELT	rs11235729	-0.113	0.084	0.89 (0.76, 1.05)	0.180	0.778	NA	NA	NA
UKB PPP	CALCOCO1	rs17102261	-0.322	0.241	0.72 (0.45, 1.16)	0.180	0.778	NA	NA	NA
UKB PPP	ERI1	rs7814328	0.477	0.356	1.61 (0.80, 3.24)	0.180	0.778	NA	NA	NA
UKB PPP	GM2A	rs153478	-0.051	0.038	0.95 (0.88, 1.02)	0.181	0.778	NA	NA	NA
UKB PPP	AHCY	rs13043752	-0.138	0.103	0.87 (0.71, 1.07)	0.181	0.778	NA	NA	NA
UKB PPP	ENTPD6	rs6050446	0.062	0.046	1.06 (0.97, 1.16)	0.182	0.778	NA	NA	NA
UKB PPP	PRND	rs36029876	-0.138	0.103	0.87 (0.71, 1.07)	0.182	0.778	NA	NA	NA
UKB PPP	SNX9	rs688181	0.443	0.334	1.56 (0.81, 3.00)	0.184	0.781	NA	NA	NA
UKB PPP	MBL2	rs7899547	0.038	0.029	1.04 (0.98, 1.10)	0.185	0.781	NA	NA	NA
UKB PPP	PSG1	rs12986075	-0.060	0.045	0.94 (0.86, 1.03)	0.185	0.781	NA	NA	NA
UKB PPP	PRG3	rs34108746	0.332	0.251	1.39 (0.85, 2.28)	0.185	0.781	NA	NA	NA
UKB PPP	TXNDC9	rs147732775	-1.163	0.881	0.31 (0.06, 1.76)	0.187	0.786	NA	NA	NA
UKB PPP	ADAMTS8	rs2131535	-0.079	0.060	0.92 (0.82, 1.04)	0.188	0.786	NA	NA	NA
UKB PPP	IL19	rs2243191	-0.109	0.083	0.90 (0.76, 1.05)	0.188	0.786	NA	NA	NA
UKB PPP	GRN	rs5848	-0.151	0.115	0.86 (0.69, 1.08)	0.188	0.786	NA	NA	NA
UKB PPP	CEP152	rs77379665	-0.744	0.566	0.48 (0.16, 1.44)	0.189	0.788	NA	NA	NA
UKB PPP	PON1	rs705379	-0.045	0.034	0.96 (0.89, 1.02)	0.190	0.789	NA	NA	NA
UKB PPP	EDN1	rs5370	0.152	0.116	1.16 (0.93, 1.46)	0.191	0.789	NA	NA	NA
UKB PPP	ENDOU	rs11168215	-0.108	0.083	0.90 (0.76, 1.06)	0.192	0.789	NA	NA	NA
UKB PPP	SPON1	rs10832164	0.113	0.086	1.12 (0.94, 1.33)	0.192	0.789	NA	NA	NA
UKB PPP	CTSV	rs12686511	0.171	0.132	1.19 (0.92, 1.54)	0.193	0.789	NA	NA	NA
UKB PPP	COMMD1	rs55677935	-0.182	0.140	0.83 (0.63, 1.10)	0.193	0.789	NA	NA	NA

UKB PPP	FCN1	rs11103604	0.081	0.063	1.08 (0.96, 1.23)	0.194	0.789	NA	NA	NA
UKB PPP	YAP1	rs10791554	0.526	0.405	1.69 (0.76, 3.74)	0.194	0.789	NA	NA	NA
UKB PPP	DTYMK	rs28630677	-0.816	0.629	0.44 (0.13, 1.52)	0.194	0.789	NA	NA	NA
UKB PPP	ATRAID	rs1275530	0.131	0.101	1.14 (0.94, 1.39)	0.195	0.789	NA	NA	NA
UKB PPP	CCL5	rs2107538	-0.184	0.142	0.83 (0.63, 1.10)	0.195	0.789	NA	NA	NA
UKB PPP	PHACTR2	rs9484759	0.160	0.123	1.17 (0.92, 1.49)	0.196	0.789	NA	NA	NA
UKB PPP	TRDMT1	rs6602180	-0.215	0.167	0.81 (0.58, 1.12)	0.196	0.789	NA	NA	NA
UKB PPP	CD8A	rs3020726	0.118	0.091	1.13 (0.94, 1.35)	0.197	0.791	NA	NA	NA
UKB PPP	ATXN10	rs138153	-0.340	0.264	0.71 (0.42, 1.19)	0.198	0.792	NA	NA	NA
UKB PPP	PSCA	rs2976388	0.027	0.021	1.03 (0.99, 1.07)	0.199	0.793	NA	NA	NA
UKB PPP	ADH4	rs1800759	-0.246	0.192	0.78 (0.54, 1.14)	0.200	0.794	NA	NA	NA
UKB PPP	SULT1A1	rs148788997	-0.360	0.282	0.70 (0.40, 1.21)	0.202	0.794	NA	NA	NA
UKB PPP	SCRN1	rs17324153	-0.418	0.328	0.66 (0.35, 1.25)	0.202	0.794	NA	NA	NA
UKB PPP	VWF	rs68120218	0.356	0.279	1.43 (0.83, 2.47)	0.203	0.794	NA	NA	NA
UKB PPP	SARG	rs74441312	0.569	0.447	1.77 (0.74, 4.24)	0.203	0.794	NA	NA	NA
UKB PPP	NCAM1	rs11214489	-0.121	0.096	0.89 (0.73, 1.07)	0.204	0.794	NA	NA	NA
UKB PPP	CD160	rs9728526	-0.083	0.066	0.92 (0.81, 1.05)	0.205	0.794	NA	NA	NA
UKB PPP	CCN2	rs7767139	0.107	0.085	1.11 (0.94, 1.31)	0.205	0.794	NA	NA	NA
UKB PPP	AFAP1	rs41264705	0.033	0.026	1.03 (0.98, 1.09)	0.207	0.794	NA	NA	NA
UKB PPP	MAPK9	rs3763131	-0.273	0.217	0.76 (0.50, 1.16)	0.208	0.794	NA	NA	NA
UKB PPP	FGFBP1	rs9968276	0.327	0.260	1.39 (0.83, 2.31)	0.208	0.794	NA	NA	NA
UKB PPP	PRR4	rs1063193	0.041	0.033	1.04 (0.98, 1.11)	0.209	0.794	NA	NA	NA
UKB PPP	CD55	rs1583090	-0.072	0.058	0.93 (0.83, 1.04)	0.210	0.794	NA	NA	NA
UKB PPP	GGH	rs74329104	0.086	0.069	1.09 (0.95, 1.25)	0.210	0.794	NA	NA	NA
UKB PPP	GCLM	rs12563495	0.523	0.417	1.69 (0.75, 3.82)	0.210	0.794	NA	NA	NA
UKB PPP	CRTAC1	rs56007204	0.051	0.041	1.05 (0.97, 1.14)	0.211	0.794	NA	NA	NA
UKB PPP	CD300C	rs58440339	0.076	0.061	1.08 (0.96, 1.22)	0.211	0.794	NA	NA	NA
UKB PPP	AIF1	rs2261033	-0.382	0.305	0.68 (0.38, 1.24)	0.211	0.794	NA	NA	NA
UKB PPP	CHI3L1	rs4950928	0.058	0.047	1.06 (0.97, 1.16)	0.212	0.794	NA	NA	NA
UKB PPP	PRTFDC1	rs143356584	0.275	0.221	1.32 (0.85, 2.03)	0.212	0.794	NA	NA	NA
UKB PPP	ELN	rs17855988	0.395	0.317	1.49 (0.80, 2.77)	0.212	0.794	NA	NA	NA
UKB PPP	SUSD2	rs117587385	-0.065	0.052	0.94 (0.85, 1.04)	0.213	0.794	NA	NA	NA
UKB PPP	LRTM2	rs41276696	-0.241	0.194	0.79 (0.54, 1.15)	0.213	0.794	NA	NA	NA

UKB PPP	DEFB4A_DEF4B	rs117797877	0.586	0.471	1.80 (0.71, 4.52)	0.213	0.794	NA	NA	NA
UKB PPP	ADA	rs11555566	0.056	0.045	1.06 (0.97, 1.15)	0.214	0.794	NA	NA	NA
UKB PPP	OSCAR	rs4442925	-0.062	0.050	0.94 (0.85, 1.04)	0.214	0.794	NA	NA	NA
UKB PPP	NELL1	rs61652119	0.090	0.072	1.09 (0.95, 1.26)	0.214	0.794	NA	NA	NA
UKB PPP	DKK4	rs77203322	-0.150	0.121	0.86 (0.68, 1.09)	0.215	0.794	NA	NA	NA
UKB PPP	CDH6	rs4626350	-0.060	0.049	0.94 (0.86, 1.04)	0.216	0.794	NA	NA	NA
UKB PPP	SLITRK1	rs2876803	0.262	0.212	1.30 (0.86, 1.97)	0.216	0.794	NA	NA	NA
UKB PPP	CASP9	rs12024833	-0.360	0.291	0.70 (0.39, 1.23)	0.216	0.794	NA	NA	NA
UKB PPP	CD84	rs11265440	0.254	0.206	1.29 (0.86, 1.93)	0.217	0.794	NA	NA	NA
UKB PPP	P4HB	rs113708033	-0.559	0.453	0.57 (0.24, 1.39)	0.217	0.794	NA	NA	NA
UKB PPP	SAA4	rs7117890	-0.085	0.070	0.92 (0.80, 1.05)	0.219	0.800	NA	NA	NA
UKB PPP	SPINK5	rs6883868	0.075	0.061	1.08 (0.96, 1.21)	0.220	0.800	NA	NA	NA
UKB PPP	DBI	rs72833212	-0.117	0.096	0.89 (0.74, 1.07)	0.221	0.803	NA	NA	NA
UKB PPP	DNAJB6	rs12668458	0.172	0.140	1.19 (0.90, 1.56)	0.222	0.803	NA	NA	NA
UKB PPP	PCOLCE	rs9801017	0.189	0.155	1.21 (0.89, 1.64)	0.223	0.804	NA	NA	NA
UKB PPP	REEP4	rs117291678	0.236	0.194	1.27 (0.87, 1.85)	0.224	0.804	NA	NA	NA
UKB PPP	PTGES2	rs13283456	0.454	0.373	1.57 (0.76, 3.27)	0.224	0.804	NA	NA	NA
UKB PPP	ITGBL1	rs12018094	0.108	0.089	1.11 (0.94, 1.33)	0.225	0.806	NA	NA	NA
UKB PPP	ERC2	rs79784038	-0.607	0.500	0.54 (0.20, 1.45)	0.225	0.806	NA	NA	NA
UKB PPP	EFEMP1	rs3791679	-0.159	0.131	0.85 (0.66, 1.10)	0.226	0.807	NA	NA	NA
UKB PPP	PLCB2	rs4924450	-0.229	0.190	0.80 (0.55, 1.15)	0.228	0.809	NA	NA	NA
UKB PPP	CA13	rs56072918	0.115	0.095	1.12 (0.93, 1.35)	0.230	0.809	NA	NA	NA
UKB PPP	EGLN1	rs77466488	0.231	0.193	1.26 (0.86, 1.84)	0.230	0.809	NA	NA	NA
UKB PPP	CD200R1	rs16860233	-0.046	0.038	0.96 (0.89, 1.03)	0.231	0.809	NA	NA	NA
UKB PPP	PXN	rs4767884	-0.048	0.040	0.95 (0.88, 1.03)	0.231	0.809	NA	NA	NA
UKB PPP	GPNMB	rs75801644	-0.112	0.093	0.89 (0.75, 1.07)	0.231	0.809	NA	NA	NA
UKB PPP	SAT2	rs13894	0.061	0.051	1.06 (0.96, 1.17)	0.232	0.809	NA	NA	NA
UKB PPP	CEACAM5	rs9621	0.108	0.090	1.11 (0.93, 1.33)	0.232	0.809	NA	NA	NA
UKB PPP	CNTN3	rs4677414	0.114	0.095	1.12 (0.93, 1.35)	0.232	0.809	NA	NA	NA
UKB PPP	MUC13	rs1127233	0.143	0.120	1.15 (0.91, 1.46)	0.232	0.809	NA	NA	NA
UKB PPP	HDGF	rs3806417	0.027	0.023	1.03 (0.98, 1.07)	0.233	0.809	NA	NA	NA
UKB PPP	TNFRSF1B	rs5746026	-0.233	0.195	0.79 (0.54, 1.16)	0.233	0.809	NA	NA	NA
UKB PPP	ADAM15	rs11589479	0.041	0.034	1.04 (0.97, 1.11)	0.234	0.809	NA	NA	NA

UKB PPP	ASRGL1	rs1043785	-0.088	0.074	0.92 (0.79, 1.06)	0.238	0.814	NA	NA	NA
UKB PPP	ATRN	rs78971233	-0.048	0.040	0.95 (0.88, 1.03)	0.239	0.814	NA	NA	NA
UKB PPP	NMI	rs1048135	-0.066	0.056	0.94 (0.84, 1.04)	0.239	0.814	NA	NA	NA
UKB PPP	OPLAH	rs55646585	0.158	0.134	1.17 (0.90, 1.52)	0.239	0.814	NA	NA	NA
UKB PPP	ADGRE5	rs139113505	0.238	0.203	1.27 (0.85, 1.89)	0.239	0.814	NA	NA	NA
UKB PPP	PPP2R5A	rs351409	0.353	0.300	1.42 (0.79, 2.56)	0.239	0.814	NA	NA	NA
UKB PPP	SLAMF1	rs7535367	-0.304	0.259	0.74 (0.44, 1.23)	0.240	0.814	NA	NA	NA
UKB PPP	FOLR2	rs146893981	-0.353	0.300	0.70 (0.39, 1.27)	0.240	0.814	NA	NA	NA
UKB PPP	ARSA	rs873697	-0.057	0.049	0.94 (0.86, 1.04)	0.241	0.814	NA	NA	NA
UKB PPP	TLR4	rs4986790	-0.195	0.167	0.82 (0.59, 1.14)	0.241	0.814	NA	NA	NA
UKB PPP	ANXA11	rs2784773	-0.459	0.392	0.63 (0.29, 1.36)	0.241	0.814	NA	NA	NA
UKB PPP	AAMDC	rs2186564	-0.047	0.040	0.95 (0.88, 1.03)	0.242	0.814	NA	NA	NA
UKB PPP	LILRB5	rs12975366	0.028	0.024	1.03 (0.98, 1.08)	0.244	0.814	NA	NA	NA
UKB PPP	VMO1	rs8078118	-0.038	0.033	0.96 (0.90, 1.03)	0.244	0.814	NA	NA	NA
UKB PPP	IL1R2	rs2310170	-0.056	0.048	0.95 (0.86, 1.04)	0.244	0.814	NA	NA	NA
UKB PPP	F2	rs1799963	-0.317	0.271	0.73 (0.43, 1.24)	0.244	0.814	NA	NA	NA
UKB PPP	LILRA2	rs28469702	-0.050	0.043	0.95 (0.87, 1.04)	0.245	0.816	NA	NA	NA
UKB PPP	TNFRSF11A	rs113339733	0.062	0.053	1.06 (0.96, 1.18)	0.247	0.822	NA	NA	NA
UKB PPP	GFER	rs61516948	0.674	0.585	1.96 (0.62, 6.18)	0.249	0.826	NA	NA	NA
UKB PPP	CA5A	rs55870502	-0.049	0.042	0.95 (0.88, 1.04)	0.252	0.830	NA	NA	NA
UKB PPP	DTD1	rs6081238	-0.175	0.153	0.84 (0.62, 1.13)	0.252	0.830	NA	NA	NA
UKB PPP	SEZ6L	rs137203	-0.200	0.174	0.82 (0.58, 1.15)	0.252	0.830	NA	NA	NA
UKB PPP	PDCD6	rs9654451	0.032	0.028	1.03 (0.98, 1.09)	0.253	0.830	NA	NA	NA
UKB PPP	SETMAR	rs35083095	0.136	0.119	1.15 (0.91, 1.45)	0.253	0.830	NA	NA	NA
UKB PPP	PLAT	rs2020921	-0.392	0.344	0.68 (0.34, 1.33)	0.254	0.830	NA	NA	NA
UKB PPP	GPC1	rs77078946	-0.094	0.083	0.91 (0.77, 1.07)	0.255	0.830	NA	NA	NA
UKB PPP	SWAP70	rs7123629	-0.215	0.189	0.81 (0.56, 1.17)	0.255	0.830	NA	NA	NA
UKB PPP	IGFBP2	rs4674100	0.558	0.492	1.75 (0.67, 4.58)	0.256	0.831	NA	NA	NA
UKB PPP	SCGB1A1	rs3741240	-0.087	0.077	0.92 (0.79, 1.07)	0.257	0.831	NA	NA	NA
UKB PPP	SIRPB1	rs79462675	-0.042	0.037	0.96 (0.89, 1.03)	0.258	0.831	NA	NA	NA
UKB PPP	ATXN3	rs55656743	0.105	0.093	1.11 (0.93, 1.33)	0.259	0.831	NA	NA	NA
UKB PPP	GALNT5	rs714649	0.127	0.113	1.14 (0.91, 1.42)	0.259	0.831	NA	NA	NA
UKB PPP	CD163	rs11054859	-0.250	0.222	0.78 (0.50, 1.20)	0.259	0.831	NA	NA	NA

UKB PPP	FKBP4	rs3814251	-0.564	0.499	0.57 (0.21, 1.51)	0.259	0.831	NA	NA	NA
UKB PPP	NPTX1	rs62068268	-0.062	0.055	0.94 (0.84, 1.05)	0.260	0.831	NA	NA	NA
UKB PPP	FBP1	rs499206	-0.093	0.083	0.91 (0.77, 1.07)	0.261	0.832	NA	NA	NA
UKB PPP	SH3GLB2	rs62585602	-0.103	0.092	0.90 (0.75, 1.08)	0.261	0.833	NA	NA	NA
UKB PPP	EGFL7	rs74557797	0.242	0.217	1.27 (0.83, 1.95)	0.264	0.834	NA	NA	NA
UKB PPP	ENAH	rs10799316	-0.256	0.229	0.77 (0.49, 1.21)	0.264	0.834	NA	NA	NA
UKB PPP	CXCL17	rs11668599	0.434	0.389	1.54 (0.72, 3.31)	0.264	0.834	NA	NA	NA
UKB PPP	PARK7	rs3766606	-0.175	0.157	0.84 (0.62, 1.14)	0.265	0.834	NA	NA	NA
UKB PPP	NBN	rs74378230	-0.418	0.375	0.66 (0.32, 1.37)	0.265	0.834	NA	NA	NA
UKB PPP	NRP2	rs2289023	0.160	0.144	1.17 (0.89, 1.55)	0.266	0.834	NA	NA	NA
UKB PPP	SEL1L	rs11499034	-0.115	0.104	0.89 (0.73, 1.09)	0.267	0.834	NA	NA	NA
UKB PPP	BSG	rs56101188	-0.342	0.308	0.71 (0.39, 1.30)	0.267	0.834	NA	NA	NA
UKB PPP	ST13	rs1005402	0.527	0.475	1.69 (0.67, 4.30)	0.267	0.834	NA	NA	NA
UKB PPP	FGL1	rs3739404	0.044	0.040	1.04 (0.97, 1.13)	0.268	0.834	NA	NA	NA
UKB PPP	ANGPT1	rs6993770	0.158	0.142	1.17 (0.89, 1.55)	0.268	0.834	NA	NA	NA
UKB PPP	PDCD1LG2	rs2381282	0.047	0.042	1.05 (0.96, 1.14)	0.269	0.834	NA	NA	NA
UKB PPP	APCS	rs36126250	-0.175	0.158	0.84 (0.62, 1.14)	0.269	0.834	NA	NA	NA
UKB PPP	ITIH4	rs2710331	0.112	0.102	1.12 (0.92, 1.37)	0.270	0.834	NA	NA	NA
UKB PPP	SDC1	rs907866	-0.207	0.188	0.81 (0.56, 1.17)	0.270	0.834	NA	NA	NA
UKB PPP	PSMD9	rs80090724	-0.152	0.139	0.86 (0.65, 1.13)	0.272	0.836	NA	NA	NA
UKB PPP	CST7	rs227651	0.039	0.036	1.04 (0.97, 1.12)	0.273	0.837	NA	NA	NA
UKB PPP	CLEC1B	rs659928	0.194	0.177	1.21 (0.86, 1.72)	0.273	0.837	NA	NA	NA
UKB PPP	SIGLEC1	rs189448562	-0.146	0.134	0.86 (0.67, 1.12)	0.274	0.837	NA	NA	NA
UKB PPP	NTF3	rs73039984	0.194	0.178	1.21 (0.86, 1.72)	0.274	0.837	NA	NA	NA
UKB PPP	ITGB2	rs760462	0.256	0.234	1.29 (0.82, 2.04)	0.275	0.837	NA	NA	NA
UKB PPP	FGF23	rs6489536	-0.267	0.245	0.77 (0.47, 1.24)	0.275	0.837	NA	NA	NA
UKB PPP	PACS2	rs7149013	0.179	0.164	1.20 (0.87, 1.65)	0.277	0.840	NA	NA	NA
UKB PPP	F7	rs510335	0.061	0.056	1.06 (0.95, 1.19)	0.279	0.841	NA	NA	NA
UKB PPP	PRTG	rs10851591	-0.064	0.059	0.94 (0.84, 1.05)	0.279	0.841	NA	NA	NA
UKB PPP	CASP3	rs62339863	0.249	0.230	1.28 (0.82, 2.02)	0.279	0.841	NA	NA	NA
UKB PPP	AGT	rs4762	0.055	0.051	1.06 (0.96, 1.17)	0.282	0.841	NA	NA	NA
UKB PPP	LPO	rs7219860	-0.106	0.099	0.90 (0.74, 1.09)	0.282	0.841	NA	NA	NA
UKB PPP	LGMN	rs148659834	0.136	0.127	1.15 (0.89, 1.47)	0.282	0.841	NA	NA	NA

UKB PPP	AFP	rs12506899	-0.145	0.134	0.87 (0.66, 1.13)	0.282	0.841	NA	NA	NA
UKB PPP	UNC5D	rs13260977	0.856	0.796	2.35 (0.49, 11.20)	0.282	0.841	NA	NA	NA
UKB PPP	SULT2A1	rs62129966	0.103	0.096	1.11 (0.92, 1.34)	0.283	0.841	NA	NA	NA
UKB PPP	LTBP2	rs888414	-0.257	0.240	0.77 (0.48, 1.24)	0.283	0.841	NA	NA	NA
UKB PPP	C2orf69	rs17629007	-0.303	0.282	0.74 (0.43, 1.28)	0.283	0.841	NA	NA	NA
UKB PPP	NID2	rs2516600	0.046	0.043	1.05 (0.96, 1.14)	0.285	0.843	NA	NA	NA
UKB PPP	SHH	rs10225434	-0.490	0.458	0.61 (0.25, 1.50)	0.285	0.843	NA	NA	NA
UKB PPP	DNPEP	rs115897075	0.525	0.492	1.69 (0.64, 4.43)	0.286	0.843	NA	NA	NA
UKB PPP	SCARF2	rs5763025	0.091	0.085	1.10 (0.93, 1.29)	0.287	0.844	NA	NA	NA
UKB PPP	PAEP	rs9409964	0.039	0.037	1.04 (0.97, 1.12)	0.290	0.844	NA	NA	NA
UKB PPP	LGALS3BP	rs111526614	-0.433	0.411	0.65 (0.29, 1.45)	0.291	0.844	NA	NA	NA
UKB PPP	CRISP2	rs555247	-0.054	0.051	0.95 (0.86, 1.05)	0.295	0.844	NA	NA	NA
UKB PPP	FETUB	rs114780909	-0.096	0.092	0.91 (0.76, 1.09)	0.295	0.844	NA	NA	NA
UKB PPP	ASAHI	rs2472205	0.062	0.060	1.06 (0.95, 1.20)	0.296	0.844	NA	NA	NA
UKB PPP	ARL2BP	rs7198865	0.142	0.136	1.15 (0.88, 1.50)	0.296	0.844	NA	NA	NA
UKB PPP	ACAA1	rs156265	0.307	0.293	1.36 (0.76, 2.41)	0.296	0.844	NA	NA	NA
UKB PPP	LYPD3	rs11671471	0.082	0.078	1.09 (0.93, 1.27)	0.297	0.844	NA	NA	NA
UKB PPP	CLU	rs553014	-0.277	0.266	0.76 (0.45, 1.28)	0.298	0.844	NA	NA	NA
UKB PPP	CPXM2	rs28741041	0.072	0.069	1.07 (0.94, 1.23)	0.299	0.844	NA	NA	NA
UKB PPP	AGXT	rs55649245	-0.100	0.096	0.90 (0.75, 1.09)	0.299	0.844	NA	NA	NA
UKB PPP	IL22RA1	rs7355101	-0.103	0.099	0.90 (0.74, 1.10)	0.299	0.844	NA	NA	NA
UKB PPP	CPB1	rs13318853	-0.240	0.232	0.79 (0.50, 1.24)	0.299	0.844	NA	NA	NA
UKB PPP	APOA1	rs2727784	0.425	0.409	1.53 (0.69, 3.41)	0.299	0.844	NA	NA	NA
UKB PPP	SERPIN8	rs3826616	-0.052	0.050	0.95 (0.86, 1.05)	0.300	0.844	NA	NA	NA
UKB PPP	IL1R1	rs3917238	-0.149	0.143	0.86 (0.65, 1.14)	0.300	0.844	NA	NA	NA
UKB PPP	CIT	rs17527306	-0.512	0.494	0.60 (0.23, 1.58)	0.300	0.844	NA	NA	NA
UKB PPP	SMOC2	rs56296467	-0.076	0.073	0.93 (0.80, 1.07)	0.301	0.844	NA	NA	NA
UKB PPP	PTK7	rs116450546	0.501	0.484	1.65 (0.64, 4.26)	0.301	0.844	NA	NA	NA
UKB PPP	LYVE1	rs7119709	0.189	0.183	1.21 (0.84, 1.73)	0.302	0.844	NA	NA	NA
UKB PPP	SPOCK1	rs4835737	-0.209	0.202	0.81 (0.55, 1.21)	0.302	0.844	NA	NA	NA
UKB PPP	SSC4D	rs12540573	0.081	0.079	1.08 (0.93, 1.27)	0.303	0.844	NA	NA	NA
UKB PPP	ITGB6	rs6432601	0.093	0.091	1.10 (0.92, 1.31)	0.303	0.844	NA	NA	NA
UKB PPP	HNMT	rs11558538	-0.040	0.039	0.96 (0.89, 1.04)	0.304	0.844	NA	NA	NA

UKB PPP	SELPLG	rs7294337	-0.059	0.058	0.94 (0.84, 1.06)	0.305	0.844	NA	NA	NA
UKB PPP	FASLG	rs79419452	0.342	0.334	1.41 (0.73, 2.71)	0.305	0.844	NA	NA	NA
UKB PPP	HCG22	rs2905757	-0.086	0.084	0.92 (0.78, 1.08)	0.306	0.844	NA	NA	NA
UKB PPP	XCL1	rs4656599	-0.039	0.038	0.96 (0.89, 1.04)	0.307	0.844	NA	NA	NA
UKB PPP	S100A12	rs3014874	-0.130	0.127	0.88 (0.68, 1.13)	0.307	0.844	NA	NA	NA
UKB PPP	BCL2L15	rs1230715	0.152	0.149	1.16 (0.87, 1.56)	0.307	0.844	NA	NA	NA
UKB PPP	OMP	rs2233546	0.156	0.154	1.17 (0.87, 1.58)	0.309	0.844	NA	NA	NA
UKB PPP	LY6D	rs2572925	0.061	0.060	1.06 (0.94, 1.20)	0.310	0.844	NA	NA	NA
UKB PPP	VIT	rs1468810	-0.065	0.064	0.94 (0.83, 1.06)	0.310	0.844	NA	NA	NA
UKB PPP	CKAP4	rs2704895	-0.137	0.135	0.87 (0.67, 1.14)	0.310	0.844	NA	NA	NA
UKB PPP	PKN3	rs13283282	0.199	0.196	1.22 (0.83, 1.79)	0.310	0.844	NA	NA	NA
UKB PPP	RAB11FIP3	rs74847787	-0.560	0.552	0.57 (0.19, 1.68)	0.310	0.844	NA	NA	NA
UKB PPP	PLIN3	rs262557	-0.395	0.390	0.67 (0.31, 1.45)	0.311	0.844	NA	NA	NA
UKB PPP	CCN4	rs12156037	-0.061	0.060	0.94 (0.84, 1.06)	0.312	0.844	NA	NA	NA
UKB PPP	IFNAR1	rs914142	0.063	0.062	1.06 (0.94, 1.20)	0.312	0.844	NA	NA	NA
UKB PPP	KHK	rs2304681	-0.064	0.064	0.94 (0.83, 1.06)	0.312	0.844	NA	NA	NA
UKB PPP	PTPRM	rs72911294	0.403	0.399	1.50 (0.68, 3.27)	0.312	0.844	NA	NA	NA
UKB PPP	AMOTL2	rs1353778	-0.426	0.421	0.65 (0.29, 1.49)	0.312	0.844	NA	NA	NA
UKB PPP	ZP3	rs10281089	0.023	0.023	1.02 (0.98, 1.07)	0.313	0.844	NA	NA	NA
UKB PPP	TCN2	rs740234	0.050	0.049	1.05 (0.95, 1.16)	0.313	0.844	NA	NA	NA
UKB PPP	MAMDC2	rs62572585	-0.127	0.126	0.88 (0.69, 1.13)	0.313	0.844	NA	NA	NA
UKB PPP	IL36A	rs895497	0.448	0.444	1.56 (0.66, 3.74)	0.313	0.844	NA	NA	NA
UKB PPP	ANKRD54	rs35496925	0.500	0.496	1.65 (0.62, 4.36)	0.314	0.844	NA	NA	NA
UKB PPP	ANXA5	rs2306411	0.233	0.232	1.26 (0.80, 1.99)	0.315	0.846	NA	NA	NA
UKB PPP	BCHE	rs73165060	0.053	0.053	1.05 (0.95, 1.17)	0.316	0.847	NA	NA	NA
UKB PPP	FCGR2B	rs1801274	0.055	0.055	1.06 (0.95, 1.18)	0.317	0.848	NA	NA	NA
UKB PPP	BTN1A1	rs12211201	0.136	0.136	1.15 (0.88, 1.50)	0.318	0.848	NA	NA	NA
UKB PPP	BPIFA2	rs6059134	0.219	0.219	1.24 (0.81, 1.91)	0.318	0.848	NA	NA	NA
UKB PPP	GRK5	rs10886430	-0.094	0.095	0.91 (0.76, 1.10)	0.321	0.850	NA	NA	NA
UKB PPP	DDAH1	rs1498374	-0.166	0.167	0.85 (0.61, 1.18)	0.321	0.850	NA	NA	NA
UKB PPP	CCL16	rs112689088	-0.033	0.034	0.97 (0.91, 1.03)	0.322	0.850	NA	NA	NA
UKB PPP	S100A11	rs2999553	-0.197	0.199	0.82 (0.56, 1.21)	0.322	0.850	NA	NA	NA
UKB PPP	GBP2	rs7531439	-0.237	0.239	0.79 (0.49, 1.26)	0.322	0.850	NA	NA	NA

UKB PPP	AMY2A	rs78245241	0.085	0.086	1.09 (0.92, 1.29)	0.323	0.850	NA	NA	NA
UKB PPP	ESM1	rs4242051	0.150	0.152	1.16 (0.86, 1.57)	0.323	0.850	NA	NA	NA
UKB PPP	PTPRN2	rs3800860	0.169	0.171	1.18 (0.85, 1.66)	0.323	0.850	NA	NA	NA
UKB PPP	PDZD2	rs183711	-0.116	0.118	0.89 (0.71, 1.12)	0.325	0.853	NA	NA	NA
UKB PPP	OSMR	rs9292723	-0.045	0.046	0.96 (0.87, 1.05)	0.326	0.854	NA	NA	NA
UKB PPP	CR1	rs679515	0.058	0.059	1.06 (0.94, 1.19)	0.327	0.854	NA	NA	NA
UKB PPP	TNFRSF13B	rs34562254	-0.243	0.249	0.78 (0.48, 1.28)	0.330	0.861	NA	NA	NA
UKB PPP	PF4	rs11574452	-0.328	0.337	0.72 (0.37, 1.40)	0.331	0.862	NA	NA	NA
UKB PPP	BCAM	rs28399654	-0.127	0.131	0.88 (0.68, 1.14)	0.332	0.864	NA	NA	NA
UKB PPP	RBP1	rs2071387	-0.221	0.228	0.80 (0.51, 1.25)	0.333	0.864	NA	NA	NA
UKB PPP	DLK1	rs12881545	0.051	0.053	1.05 (0.95, 1.17)	0.334	0.866	NA	NA	NA
UKB PPP	FST	rs31226	0.173	0.179	1.19 (0.84, 1.69)	0.335	0.866	NA	NA	NA
UKB PPP	PBLD	rs61854835	0.050	0.052	1.05 (0.95, 1.16)	0.336	0.866	NA	NA	NA
UKB PPP	EDAR	rs140661471	0.065	0.067	1.07 (0.93, 1.22)	0.336	0.866	NA	NA	NA
UKB PPP	DDI2	rs41270291	0.581	0.605	1.79 (0.55, 5.85)	0.336	0.866	NA	NA	NA
UKB PPP	CCS	rs498045	0.049	0.051	1.05 (0.95, 1.16)	0.338	0.867	NA	NA	NA
UKB PPP	SPINK1	rs7725017	-0.061	0.064	0.94 (0.83, 1.07)	0.338	0.867	NA	NA	NA
UKB PPP	ARG1	rs2781668	-0.136	0.142	0.87 (0.66, 1.15)	0.338	0.867	NA	NA	NA
UKB PPP	CD164	rs12213313	0.165	0.173	1.18 (0.84, 1.65)	0.341	0.869	NA	NA	NA
UKB PPP	IL2RA	rs12722497	0.042	0.044	1.04 (0.96, 1.14)	0.342	0.869	NA	NA	NA
UKB PPP	TEK	rs682632	0.062	0.065	1.06 (0.94, 1.21)	0.342	0.869	NA	NA	NA
UKB PPP	MMP7	rs11568819	-0.093	0.098	0.91 (0.75, 1.10)	0.342	0.869	NA	NA	NA
UKB PPP	AOC1	rs1049742	0.095	0.100	1.10 (0.90, 1.34)	0.342	0.869	NA	NA	NA
UKB PPP	GLO1	rs4746	0.074	0.078	1.08 (0.92, 1.25)	0.344	0.869	NA	NA	NA
UKB PPP	ANKMY2	rs4719474	-0.302	0.319	0.74 (0.40, 1.38)	0.344	0.869	NA	NA	NA
UKB PPP	KLK14	rs2569491	-0.061	0.064	0.94 (0.83, 1.07)	0.345	0.869	NA	NA	NA
UKB PPP	IL15RA	rs3136630	-0.098	0.104	0.91 (0.74, 1.11)	0.345	0.869	NA	NA	NA
UKB PPP	PLXDC2	rs7919659	-0.390	0.413	0.68 (0.30, 1.52)	0.345	0.869	NA	NA	NA
UKB PPP	PIK3AP1	rs41317268	-0.128	0.136	0.88 (0.67, 1.15)	0.346	0.870	NA	NA	NA
UKB PPP	KLK4	rs2664153	-0.060	0.064	0.94 (0.83, 1.07)	0.347	0.870	NA	NA	NA
UKB PPP	ENSA	rs190018150	0.477	0.509	1.61 (0.59, 4.37)	0.348	0.870	NA	NA	NA
UKB PPP	WFIKKN2	rs4591185	-0.037	0.040	0.96 (0.89, 1.04)	0.349	0.870	NA	NA	NA
UKB PPP	CKMT1A_CKMT1B	rs690604	-0.140	0.150	0.87 (0.65, 1.17)	0.349	0.870	NA	NA	NA

UKB PPP	GNLY	rs7577293	0.040	0.043	1.04 (0.96, 1.13)	0.350	0.870	NA	NA	NA
UKB PPP	ASGR2	rs2304978	-0.080	0.086	0.92 (0.78, 1.09)	0.350	0.870	NA	NA	NA
UKB PPP	AGR2	rs7807123	-0.219	0.235	0.80 (0.51, 1.27)	0.350	0.870	NA	NA	NA
UKB PPP	SELL	rs2223286	0.061	0.066	1.06 (0.93, 1.21)	0.353	0.875	NA	NA	NA
UKB PPP	TXNDC5	rs7764128	-0.232	0.250	0.79 (0.49, 1.30)	0.354	0.875	NA	NA	NA
UKB PPP	CA2	rs2980370	-0.234	0.252	0.79 (0.48, 1.30)	0.354	0.875	NA	NA	NA
UKB PPP	CD6	rs11230563	0.030	0.032	1.03 (0.97, 1.10)	0.356	0.875	NA	NA	NA
UKB PPP	DSG3	rs7234091	-0.095	0.102	0.91 (0.74, 1.11)	0.356	0.875	NA	NA	NA
UKB PPP	SMAD3	rs34189958	-0.109	0.118	0.90 (0.71, 1.13)	0.356	0.875	NA	NA	NA
UKB PPP	ZBTB16	rs73000929	-0.101	0.110	0.90 (0.73, 1.12)	0.357	0.875	NA	NA	NA
UKB PPP	ZFYVE19	rs11858010	0.062	0.068	1.06 (0.93, 1.22)	0.359	0.877	NA	NA	NA
UKB PPP	TPK1	rs10261806	-0.069	0.075	0.93 (0.81, 1.08)	0.360	0.877	NA	NA	NA
UKB PPP	SDCCAG8	rs953492	0.114	0.124	1.12 (0.88, 1.43)	0.360	0.877	NA	NA	NA
UKB PPP	CD200	rs2399420	-0.140	0.152	0.87 (0.65, 1.17)	0.360	0.877	NA	NA	NA
UKB PPP	KLRD1	rs2537752	-0.056	0.061	0.95 (0.84, 1.07)	0.361	0.877	NA	NA	NA
UKB PPP	C1QA	rs12058824	-0.065	0.071	0.94 (0.81, 1.08)	0.362	0.877	NA	NA	NA
UKB PPP	DCC	rs9807459	-0.101	0.111	0.90 (0.73, 1.12)	0.362	0.877	NA	NA	NA
UKB PPP	ROBO2	rs775722	0.225	0.247	1.25 (0.77, 2.03)	0.362	0.877	NA	NA	NA
UKB PPP	CGREF1	rs2384572	0.043	0.047	1.04 (0.95, 1.14)	0.363	0.877	NA	NA	NA
UKB PPP	TFPI2	rs62466699	0.265	0.291	1.30 (0.74, 2.30)	0.363	0.877	NA	NA	NA
UKB PPP	PLA2G2A	rs11573156	-0.038	0.042	0.96 (0.89, 1.05)	0.365	0.877	NA	NA	NA
UKB PPP	CPXM1	rs215545	0.074	0.082	1.08 (0.92, 1.26)	0.369	0.877	NA	NA	NA
UKB PPP	CST1	rs4549181	0.043	0.048	1.04 (0.95, 1.15)	0.370	0.877	NA	NA	NA
UKB PPP	SEPTIN9	rs55645755	0.451	0.503	1.57 (0.59, 4.21)	0.370	0.877	NA	NA	NA
UKB PPP	PTS	rs12796145	-0.111	0.124	0.89 (0.70, 1.14)	0.371	0.877	NA	NA	NA
UKB PPP	GGT5	rs5760275	-0.088	0.099	0.92 (0.75, 1.11)	0.372	0.877	NA	NA	NA
UKB PPP	TRIM58	rs11204523	-0.118	0.133	0.89 (0.68, 1.15)	0.372	0.877	NA	NA	NA
UKB PPP	SEMA4D	rs36020742	0.272	0.305	1.31 (0.72, 2.39)	0.372	0.877	NA	NA	NA
UKB PPP	GPA33	rs72689400	-0.137	0.154	0.87 (0.65, 1.18)	0.373	0.877	NA	NA	NA
UKB PPP	PIBF1	rs61966211	-0.361	0.405	0.70 (0.32, 1.54)	0.373	0.877	NA	NA	NA
UKB PPP	HLA-E	rs2523594	-0.088	0.098	0.92 (0.76, 1.11)	0.374	0.877	NA	NA	NA
UKB PPP	SMPD1	rs1050239	0.068	0.077	1.07 (0.92, 1.24)	0.375	0.877	NA	NA	NA
UKB PPP	CSF1	rs11577194	0.118	0.133	1.13 (0.87, 1.46)	0.375	0.877	NA	NA	NA

UKB PPP	SORT1	rs61394658	-0.142	0.160	0.87 (0.63, 1.19)	0.376	0.877	NA	NA	NA
UKB PPP	CRIP2	rs80324969	0.202	0.229	1.22 (0.78, 1.92)	0.378	0.877	NA	NA	NA
UKB PPP	SPINK4	rs4879679	-0.027	0.030	0.97 (0.92, 1.03)	0.379	0.877	NA	NA	NA
UKB PPP	CFHR4	rs4915363	-0.033	0.038	0.97 (0.90, 1.04)	0.379	0.877	NA	NA	NA
UKB PPP	PCBD1	rs2630336	-0.127	0.144	0.88 (0.66, 1.17)	0.379	0.877	NA	NA	NA
UKB PPP	FOLR1	rs115974400	0.302	0.343	1.35 (0.69, 2.65)	0.379	0.877	NA	NA	NA
UKB PPP	TINAGL1	rs945214	-0.365	0.415	0.69 (0.31, 1.57)	0.379	0.877	NA	NA	NA
UKB PPP	SERPINF1	rs62088172	0.084	0.095	1.09 (0.90, 1.31)	0.380	0.877	NA	NA	NA
UKB PPP	CD5	rs4939490	-0.170	0.193	0.84 (0.58, 1.23)	0.380	0.877	NA	NA	NA
UKB PPP	LYAR	rs11723339	0.461	0.526	1.59 (0.57, 4.45)	0.380	0.877	NA	NA	NA
UKB PPP	TP53I3	rs1134516	0.051	0.058	1.05 (0.94, 1.18)	0.381	0.877	NA	NA	NA
UKB PPP	SUSD4	rs1418152	0.058	0.066	1.06 (0.93, 1.21)	0.381	0.877	NA	NA	NA
UKB PPP	TMEM25	rs45558732	-0.070	0.080	0.93 (0.80, 1.09)	0.381	0.877	NA	NA	NA
UKB PPP	BOLA1	rs72708157	0.227	0.259	1.25 (0.75, 2.09)	0.382	0.877	NA	NA	NA
UKB PPP	GAL	rs76634175	-0.277	0.317	0.76 (0.41, 1.41)	0.382	0.877	NA	NA	NA
UKB PPP	CLSTN3	rs2167285	-0.047	0.053	0.95 (0.86, 1.06)	0.383	0.877	NA	NA	NA
UKB PPP	REG1B	rs11126696	-0.064	0.073	0.94 (0.81, 1.08)	0.383	0.877	NA	NA	NA
UKB PPP	REG1A	rs11126696	-0.088	0.100	0.92 (0.75, 1.12)	0.383	0.877	NA	NA	NA
UKB PPP	NT5E	rs2229523	0.041	0.047	1.04 (0.95, 1.14)	0.384	0.877	NA	NA	NA
UKB PPP	VTCN1	rs56174814	-0.283	0.326	0.75 (0.40, 1.43)	0.385	0.877	NA	NA	NA
UKB PPP	CXCL12	rs11239028	-0.124	0.143	0.88 (0.67, 1.17)	0.386	0.877	NA	NA	NA
UKB PPP	SV2A	rs68144650	0.142	0.164	1.15 (0.84, 1.59)	0.388	0.877	NA	NA	NA
UKB PPP	CEP170	rs12072595	-0.329	0.381	0.72 (0.34, 1.52)	0.388	0.877	NA	NA	NA
UKB PPP	CNTNAP2	rs7810370	0.043	0.050	1.04 (0.95, 1.15)	0.389	0.877	NA	NA	NA
UKB PPP	ANG	rs8008227	0.050	0.058	1.05 (0.94, 1.18)	0.389	0.877	NA	NA	NA
UKB PPP	CD2AP	rs1385742	-0.087	0.101	0.92 (0.75, 1.12)	0.389	0.877	NA	NA	NA
UKB PPP	IGFBP7	rs1718860	-0.067	0.078	0.93 (0.80, 1.09)	0.390	0.877	NA	NA	NA
UKB PPP	PVALB	rs4821544	0.029	0.034	1.03 (0.96, 1.10)	0.391	0.877	NA	NA	NA
UKB PPP	IL31RA	rs161651	-0.039	0.046	0.96 (0.88, 1.05)	0.391	0.877	NA	NA	NA
UKB PPP	MGMT	rs1008982	0.054	0.063	1.06 (0.93, 1.20)	0.391	0.877	NA	NA	NA
UKB PPP	GBP1	rs148526074	-0.056	0.065	0.95 (0.83, 1.07)	0.392	0.877	NA	NA	NA
UKB PPP	KLK6	rs268891	0.124	0.145	1.13 (0.85, 1.50)	0.392	0.877	NA	NA	NA
UKB PPP	TST	rs4821544	0.217	0.253	1.24 (0.76, 2.04)	0.392	0.877	NA	NA	NA

UKB PPP	KLK11	rs117268623	-0.074	0.087	0.93 (0.78, 1.10)	0.393	0.877	NA	NA	NA
UKB PPP	LRIG3	rs11172841	-0.279	0.326	0.76 (0.40, 1.43)	0.393	0.877	NA	NA	NA
UKB PPP	CHCHD6	rs9863101	0.093	0.109	1.10 (0.89, 1.36)	0.394	0.877	NA	NA	NA
UKB PPP	TNFRSF9	rs2493214	0.138	0.162	1.15 (0.84, 1.58)	0.394	0.877	NA	NA	NA
UKB PPP	THBD	rs1042579	0.141	0.166	1.15 (0.83, 1.59)	0.394	0.877	NA	NA	NA
UKB PPP	TGFA	rs17639251	0.184	0.216	1.20 (0.79, 1.83)	0.394	0.877	NA	NA	NA
UKB PPP	LPL	rs1801177	0.067	0.079	1.07 (0.92, 1.25)	0.398	0.884	NA	NA	NA
UKB PPP	MEPE	rs17013212	-0.159	0.188	0.85 (0.59, 1.23)	0.398	0.884	NA	NA	NA
UKB PPP	SORCS2	rs4234798	-0.048	0.057	0.95 (0.85, 1.07)	0.399	0.884	NA	NA	NA
UKB PPP	LECT2	rs31517	-0.028	0.033	0.97 (0.91, 1.04)	0.401	0.886	NA	NA	NA
UKB PPP	F11R	rs60315407	-0.371	0.444	0.69 (0.29, 1.65)	0.403	0.887	NA	NA	NA
UKB PPP	LTA4H	rs2540486	-0.231	0.277	0.79 (0.46, 1.36)	0.404	0.887	NA	NA	NA
UKB PPP	HGF	rs5745687	-0.243	0.291	0.78 (0.44, 1.39)	0.404	0.887	NA	NA	NA
UKB PPP	OGN	rs7026361	-0.035	0.042	0.97 (0.89, 1.05)	0.405	0.887	NA	NA	NA
UKB PPP	ADAMTS13	rs74715985	-0.072	0.086	0.93 (0.79, 1.10)	0.405	0.887	NA	NA	NA
UKB PPP	DSCAM	rs78111814	0.057	0.068	1.06 (0.93, 1.21)	0.406	0.887	NA	NA	NA
UKB PPP	WFDC1	rs400345	-0.077	0.093	0.93 (0.77, 1.11)	0.406	0.887	NA	NA	NA
UKB PPP	CFHR2	rs4085749	-0.024	0.028	0.98 (0.92, 1.03)	0.407	0.887	NA	NA	NA
UKB PPP	WFDC2	rs973446	-0.261	0.315	0.77 (0.42, 1.43)	0.407	0.887	NA	NA	NA
UKB PPP	RSPO3	rs1936800	0.128	0.155	1.14 (0.84, 1.54)	0.408	0.889	NA	NA	NA
UKB PPP	NT5C	rs78625720	0.055	0.067	1.06 (0.93, 1.20)	0.409	0.889	NA	NA	NA
UKB PPP	PSTPIP2	rs72642432	-0.134	0.162	0.87 (0.64, 1.20)	0.409	0.889	NA	NA	NA
UKB PPP	PLXNA4	rs6467443	0.247	0.299	1.28 (0.71, 2.30)	0.410	0.889	NA	NA	NA
UKB PPP	CPB2	rs6561283	-0.034	0.042	0.97 (0.89, 1.05)	0.411	0.889	NA	NA	NA
UKB PPP	ADAMTS16	rs40468	-0.178	0.217	0.84 (0.55, 1.28)	0.411	0.889	NA	NA	NA
UKB PPP	SELP	rs6136	0.091	0.112	1.10 (0.88, 1.36)	0.414	0.892	NA	NA	NA
UKB PPP	ACY3	rs3758938	-0.082	0.101	0.92 (0.76, 1.12)	0.416	0.892	NA	NA	NA
UKB PPP	IFNGR1	rs9376267	-0.117	0.144	0.89 (0.67, 1.18)	0.416	0.892	NA	NA	NA
UKB PPP	MSRA	rs12546887	0.362	0.445	1.44 (0.60, 3.44)	0.416	0.892	NA	NA	NA
UKB PPP	LAIR1	rs111949142	0.047	0.058	1.05 (0.94, 1.17)	0.417	0.892	NA	NA	NA
UKB PPP	VASH1	rs11159226	0.196	0.242	1.22 (0.76, 1.96)	0.417	0.892	NA	NA	NA
UKB PPP	APOH	rs1801689	-0.060	0.073	0.94 (0.82, 1.09)	0.418	0.892	NA	NA	NA
UKB PPP	ERN1	rs1801689	0.165	0.204	1.18 (0.79, 1.76)	0.418	0.892	NA	NA	NA

UKB PPP	SIAE	rs78778622	0.118	0.145	1.12 (0.85, 1.50)	0.419	0.892	NA	NA	NA
UKB PPP	IDI2	rs1044261	0.067	0.082	1.07 (0.91, 1.26)	0.420	0.892	NA	NA	NA
UKB PPP	FADD	rs10898847	-0.254	0.315	0.78 (0.42, 1.44)	0.420	0.892	NA	NA	NA
UKB PPP	PLA2G15	rs7672	-0.095	0.117	0.91 (0.72, 1.15)	0.421	0.892	NA	NA	NA
UKB PPP	CCL13	rs3136674	-0.100	0.124	0.91 (0.71, 1.15)	0.421	0.892	NA	NA	NA
UKB PPP	SPP1	rs56254643	-0.225	0.280	0.80 (0.46, 1.38)	0.421	0.892	NA	NA	NA
UKB PPP	ANGPTL1	rs12753251	-0.069	0.087	0.93 (0.79, 1.11)	0.423	0.892	NA	NA	NA
UKB PPP	COL4A1	rs652572	-0.117	0.146	0.89 (0.67, 1.18)	0.423	0.892	NA	NA	NA
UKB PPP	CD276	rs2291014	-0.025	0.031	0.98 (0.92, 1.04)	0.424	0.892	NA	NA	NA
UKB PPP	SERPINA5	rs1130267	-0.103	0.129	0.90 (0.70, 1.16)	0.424	0.892	NA	NA	NA
UKB PPP	EDDM3B	rs3827905	-0.135	0.168	0.87 (0.63, 1.22)	0.424	0.892	NA	NA	NA
UKB PPP	CD28	rs13406632	0.099	0.124	1.10 (0.87, 1.41)	0.425	0.892	NA	NA	NA
UKB PPP	MME	rs79837905	0.434	0.545	1.54 (0.53, 4.50)	0.426	0.893	NA	NA	NA
UKB PPP	CDC27	rs79702286	0.249	0.314	1.28 (0.69, 2.37)	0.427	0.893	NA	NA	NA
UKB PPP	ENPP5	rs9472701	-0.026	0.033	0.97 (0.91, 1.04)	0.428	0.893	NA	NA	NA
UKB PPP	XRCC4	rs1805377	-0.302	0.380	0.74 (0.35, 1.56)	0.428	0.893	NA	NA	NA
UKB PPP	MGLL	rs7578	0.332	0.419	1.39 (0.61, 3.17)	0.428	0.893	NA	NA	NA
UKB PPP	FHIT	rs13070475	0.235	0.297	1.26 (0.71, 2.27)	0.429	0.894	NA	NA	NA
UKB PPP	ASAH2	rs2842126	-0.035	0.044	0.97 (0.89, 1.05)	0.430	0.895	NA	NA	NA
UKB PPP	TPMT	rs115306927	0.045	0.058	1.05 (0.93, 1.17)	0.432	0.897	NA	NA	NA
UKB PPP	SCGN	rs10946788	0.229	0.292	1.26 (0.71, 2.23)	0.432	0.897	NA	NA	NA
UKB PPP	ITIH3	rs9881468	0.065	0.083	1.07 (0.91, 1.25)	0.434	0.898	NA	NA	NA
UKB PPP	RNF149	rs12621632	0.069	0.088	1.07 (0.90, 1.27)	0.434	0.898	NA	NA	NA
UKB PPP	IFNGR2	rs9808753	0.020	0.026	1.02 (0.97, 1.07)	0.435	0.898	NA	NA	NA
UKB PPP	GP6	rs892090	-0.063	0.081	0.94 (0.80, 1.10)	0.436	0.898	NA	NA	NA
UKB PPP	TBC1D23	rs1036770	0.124	0.159	1.13 (0.83, 1.55)	0.436	0.898	NA	NA	NA
UKB PPP	MINDY1	rs140386498	-0.145	0.186	0.86 (0.60, 1.25)	0.437	0.898	NA	NA	NA
UKB PPP	HMOX2	rs4785965	-0.183	0.235	0.83 (0.53, 1.32)	0.437	0.898	NA	NA	NA
UKB PPP	VAV3	rs345308	-0.358	0.461	0.70 (0.28, 1.73)	0.438	0.898	NA	NA	NA
UKB PPP	CEACAM20	rs10414398	-0.127	0.165	0.88 (0.64, 1.22)	0.440	0.899	NA	NA	NA
UKB PPP	GGCT	rs4259	-0.183	0.237	0.83 (0.52, 1.33)	0.440	0.899	NA	NA	NA
UKB PPP	NBL1	rs12408663	0.185	0.239	1.20 (0.75, 1.92)	0.440	0.899	NA	NA	NA
UKB PPP	LXN	rs6785524	-0.117	0.152	0.89 (0.66, 1.20)	0.442	0.899	NA	NA	NA

UKB PPP	SOD1	rs7282332	-0.321	0.420	0.73 (0.32, 1.65)	0.445	0.899	NA	NA	NA
UKB PPP	CPVL	rs34219043	-0.029	0.038	0.97 (0.90, 1.05)	0.446	0.899	NA	NA	NA
UKB PPP	PPP1R14D	rs11855641	-0.357	0.469	0.70 (0.28, 1.75)	0.447	0.899	NA	NA	NA
UKB PPP	BOC	rs3856718	0.115	0.152	1.12 (0.83, 1.51)	0.448	0.899	NA	NA	NA
UKB PPP	CLEC4A	rs117213717	0.060	0.079	1.06 (0.91, 1.24)	0.449	0.899	NA	NA	NA
UKB PPP	LPCAT2	rs16955343	0.183	0.242	1.20 (0.75, 1.93)	0.449	0.899	NA	NA	NA
UKB PPP	FABP3	rs61780805	0.266	0.351	1.30 (0.66, 2.60)	0.449	0.899	NA	NA	NA
UKB PPP	GLRX	rs6556886	0.038	0.051	1.04 (0.94, 1.15)	0.450	0.899	NA	NA	NA
UKB PPP	PRDX1	rs2356552	0.290	0.383	1.34 (0.63, 2.83)	0.450	0.899	NA	NA	NA
UKB PPP	CD101	rs12130298	0.031	0.040	1.03 (0.95, 1.12)	0.451	0.899	NA	NA	NA
UKB PPP	HYOU1	rs2509121	0.104	0.137	1.11 (0.85, 1.45)	0.451	0.899	NA	NA	NA
UKB PPP	HPSE	rs61751211	0.149	0.198	1.16 (0.79, 1.71)	0.451	0.899	NA	NA	NA
UKB PPP	GLB1	rs7637133	-0.083	0.110	0.92 (0.74, 1.14)	0.452	0.899	NA	NA	NA
UKB PPP	MAN1A2	rs10923344	0.095	0.126	1.10 (0.86, 1.41)	0.452	0.899	NA	NA	NA
UKB PPP	CD83	rs12526086	-0.113	0.150	0.89 (0.67, 1.20)	0.452	0.899	NA	NA	NA
UKB PPP	CTSE	rs41302235	0.053	0.070	1.05 (0.92, 1.21)	0.453	0.899	NA	NA	NA
UKB PPP	PSAP	rs57681041	0.090	0.119	1.09 (0.87, 1.38)	0.453	0.899	NA	NA	NA
UKB PPP	CD34	rs6671850	0.323	0.431	1.38 (0.59, 3.22)	0.453	0.899	NA	NA	NA
UKB PPP	CCL8	rs1133763	0.024	0.032	1.02 (0.96, 1.09)	0.455	0.899	NA	NA	NA
UKB PPP	BTC	rs28549760	0.047	0.063	1.05 (0.93, 1.19)	0.456	0.899	NA	NA	NA
UKB PPP	IDO1	rs7010461	0.075	0.101	1.08 (0.88, 1.31)	0.456	0.899	NA	NA	NA
UKB PPP	CPE	rs1550270	-0.082	0.109	0.92 (0.74, 1.14)	0.456	0.899	NA	NA	NA
UKB PPP	RBM17	rs11256771	0.137	0.184	1.15 (0.80, 1.64)	0.456	0.899	NA	NA	NA
UKB PPP	VEGFB	rs660442	-0.195	0.263	0.82 (0.49, 1.38)	0.457	0.899	NA	NA	NA
UKB PPP	ALCAM	rs34926152	0.204	0.275	1.23 (0.72, 2.10)	0.458	0.899	NA	NA	NA
UKB PPP	BANK1	rs3113676	-0.264	0.356	0.77 (0.38, 1.54)	0.458	0.899	NA	NA	NA
UKB PPP	CD300LF	rs35489971	-0.019	0.026	0.98 (0.93, 1.03)	0.459	0.899	NA	NA	NA
UKB PPP	KRT5	rs607860	0.186	0.252	1.20 (0.74, 1.97)	0.459	0.899	NA	NA	NA
UKB PPP	F3	rs6666213	-0.101	0.137	0.90 (0.69, 1.18)	0.460	0.899	NA	NA	NA
UKB PPP	CRADD	rs56944668	0.260	0.353	1.30 (0.65, 2.59)	0.461	0.899	NA	NA	NA
UKB PPP	SHBG	rs858519	-0.068	0.092	0.93 (0.78, 1.12)	0.462	0.899	NA	NA	NA
UKB PPP	CSF3R	rs3917999	0.079	0.107	1.08 (0.88, 1.33)	0.462	0.899	NA	NA	NA
UKB PPP	RNASE1	rs17254387	-0.095	0.129	0.91 (0.71, 1.17)	0.462	0.899	NA	NA	NA

UKB PPP	VCAN	rs309559	-0.028	0.039	0.97 (0.90, 1.05)	0.463	0.899	NA	NA	NA
UKB PPP	USP28	rs4288784	0.261	0.356	1.30 (0.65, 2.61)	0.463	0.899	NA	NA	NA
UKB PPP	AOC3	rs33986943	0.039	0.054	1.04 (0.94, 1.16)	0.465	0.899	NA	NA	NA
UKB PPP	CLIP2	rs117471007	0.164	0.224	1.18 (0.76, 1.83)	0.465	0.899	NA	NA	NA
UKB PPP	MAPK13	rs12210904	0.307	0.421	1.36 (0.60, 3.11)	0.466	0.899	NA	NA	NA
UKB PPP	LAYN	rs542275	-0.047	0.065	0.95 (0.84, 1.08)	0.467	0.899	NA	NA	NA
UKB PPP	IL7	rs146201210	0.166	0.228	1.18 (0.75, 1.85)	0.467	0.899	NA	NA	NA
UKB PPP	MICB_MICA	rs3132467	-0.023	0.031	0.98 (0.92, 1.04)	0.468	0.899	NA	NA	NA
UKB PPP	DSG2	rs2848680	-0.083	0.114	0.92 (0.74, 1.15)	0.468	0.899	NA	NA	NA
UKB PPP	GLT8D2	rs117801489	0.122	0.168	1.13 (0.81, 1.57)	0.468	0.899	NA	NA	NA
UKB PPP	CBS	rs6586281	-0.168	0.231	0.85 (0.54, 1.33)	0.469	0.899	NA	NA	NA
UKB PPP	PDZK1	rs1471633	0.166	0.230	1.18 (0.75, 1.85)	0.470	0.899	NA	NA	NA
UKB PPP	CALCOCO2	rs606911	0.338	0.468	1.40 (0.56, 3.51)	0.470	0.899	NA	NA	NA
UKB PPP	DBH	rs1611115	-0.019	0.026	0.98 (0.93, 1.03)	0.471	0.899	NA	NA	NA
UKB PPP	RETN	rs3219175	-0.127	0.177	0.88 (0.62, 1.24)	0.472	0.899	NA	NA	NA
UKB PPP	SELENOP	rs10038285	0.193	0.268	1.21 (0.72, 2.05)	0.472	0.899	NA	NA	NA
UKB PPP	NUMB	rs7141139	-0.236	0.329	0.79 (0.41, 1.50)	0.473	0.899	NA	NA	NA
UKB PPP	MERTK	rs10188640	-0.071	0.099	0.93 (0.77, 1.13)	0.474	0.899	NA	NA	NA
UKB PPP	CDH2	rs12454164	-0.200	0.279	0.82 (0.47, 1.42)	0.474	0.899	NA	NA	NA
UKB PPP	DPT	rs1018454	0.055	0.077	1.06 (0.91, 1.23)	0.475	0.899	NA	NA	NA
UKB PPP	PIK3IP1	rs2413028	-0.061	0.086	0.94 (0.79, 1.11)	0.476	0.899	NA	NA	NA
UKB PPP	CAPG	rs6886	-0.022	0.031	0.98 (0.92, 1.04)	0.477	0.899	NA	NA	NA
UKB PPP	THY1	rs55933700	0.075	0.106	1.08 (0.88, 1.33)	0.479	0.899	NA	NA	NA
UKB PPP	IL6R	rs4129267	-0.017	0.023	0.98 (0.94, 1.03)	0.480	0.899	NA	NA	NA
UKB PPP	TIGAR	rs3217860	-0.320	0.454	0.73 (0.30, 1.77)	0.480	0.899	NA	NA	NA
UKB PPP	PRTN3	rs10425544	0.057	0.082	1.06 (0.90, 1.24)	0.481	0.899	NA	NA	NA
UKB PPP	UBE2L6	rs28362950	0.076	0.108	1.08 (0.87, 1.33)	0.481	0.899	NA	NA	NA
UKB PPP	SLAMF6	rs11265413	-0.104	0.148	0.90 (0.67, 1.20)	0.481	0.899	NA	NA	NA
UKB PPP	TGFB1	rs13159365	-0.031	0.045	0.97 (0.89, 1.06)	0.483	0.899	NA	NA	NA
UKB PPP	GC	rs1352846	0.016	0.022	1.02 (0.97, 1.06)	0.484	0.899	NA	NA	NA
UKB PPP	CD164L2	rs734725	0.040	0.058	1.04 (0.93, 1.17)	0.484	0.899	NA	NA	NA
UKB PPP	PCDH17	rs11148472	0.050	0.072	1.05 (0.91, 1.21)	0.484	0.899	NA	NA	NA
UKB PPP	SNAP29	rs5759874	0.256	0.366	1.29 (0.63, 2.65)	0.485	0.899	NA	NA	NA

UKB PPP	STAB2	rs115840458	0.044	0.063	1.04 (0.92, 1.18)	0.486	0.899	NA	NA	NA
UKB PPP	MYOC	rs171003	-0.066	0.095	0.94 (0.78, 1.13)	0.487	0.899	NA	NA	NA
UKB PPP	PDGFC	rs12499706	0.221	0.318	1.25 (0.67, 2.33)	0.487	0.899	NA	NA	NA
UKB PPP	OTOA	rs8055493	0.350	0.505	1.42 (0.53, 3.82)	0.488	0.899	NA	NA	NA
UKB PPP	GIPC2	rs7537908	0.069	0.100	1.07 (0.88, 1.30)	0.489	0.899	NA	NA	NA
UKB PPP	PRAP1	rs143674922	0.076	0.110	1.08 (0.87, 1.34)	0.489	0.899	NA	NA	NA
UKB PPP	ATP6V1G2	rs2239705	0.111	0.161	1.12 (0.82, 1.53)	0.489	0.899	NA	NA	NA
UKB PPP	C7	rs74480769	-0.035	0.051	0.97 (0.87, 1.07)	0.490	0.899	NA	NA	NA
UKB PPP	LAMP3	rs11921884	0.077	0.111	1.08 (0.87, 1.34)	0.490	0.899	NA	NA	NA
UKB PPP	EPHA1	rs75045569	0.088	0.128	1.09 (0.85, 1.40)	0.491	0.899	NA	NA	NA
UKB PPP	CTSH	rs60250730	-0.021	0.031	0.98 (0.92, 1.04)	0.493	0.899	NA	NA	NA
UKB PPP	DKK3	rs11022114	-0.053	0.078	0.95 (0.81, 1.10)	0.493	0.899	NA	NA	NA
UKB PPP	SPON2	rs28855974	-0.080	0.116	0.92 (0.74, 1.16)	0.493	0.899	NA	NA	NA
UKB PPP	DOK2	rs67385415	-0.274	0.400	0.76 (0.35, 1.66)	0.493	0.899	NA	NA	NA
UKB PPP	PON2	rs6961624	-0.022	0.033	0.98 (0.92, 1.04)	0.494	0.899	NA	NA	NA
UKB PPP	CBLIF	rs1787909	0.109	0.159	1.11 (0.82, 1.52)	0.494	0.899	NA	NA	NA
UKB PPP	ALDH5A1	rs2744581	-0.118	0.173	0.89 (0.63, 1.25)	0.494	0.899	NA	NA	NA
UKB PPP	PCSK9	rs11591147	0.079	0.116	1.08 (0.86, 1.36)	0.496	0.899	NA	NA	NA
UKB PPP	MEP1A	rs2274656	-0.090	0.133	0.91 (0.70, 1.18)	0.496	0.899	NA	NA	NA
UKB PPP	MTHFSD	rs9939348	0.041	0.060	1.04 (0.93, 1.17)	0.497	0.899	NA	NA	NA
UKB PPP	FAM171B	rs3886170	0.049	0.073	1.05 (0.91, 1.21)	0.497	0.899	NA	NA	NA
UKB PPP	DXO	rs45531831	-0.065	0.095	0.94 (0.78, 1.13)	0.497	0.899	NA	NA	NA
UKB PPP	PDGFRA	rs35597368	0.067	0.098	1.07 (0.88, 1.30)	0.497	0.899	NA	NA	NA
UKB PPP	CTSO	rs2334114	-0.098	0.144	0.91 (0.68, 1.20)	0.497	0.899	NA	NA	NA
UKB PPP	TEX101	rs35033974	-0.099	0.145	0.91 (0.68, 1.20)	0.497	0.899	NA	NA	NA
UKB PPP	EPHB4	rs314361	-0.111	0.164	0.89 (0.65, 1.23)	0.497	0.899	NA	NA	NA
UKB PPP	ITGA11	rs2306022	-0.087	0.128	0.92 (0.71, 1.18)	0.498	0.899	NA	NA	NA
UKB PPP	SHISA5	rs11706087	-0.172	0.254	0.84 (0.51, 1.38)	0.498	0.899	NA	NA	NA
UKB PPP	COL24A1	rs11161756	-0.113	0.168	0.89 (0.64, 1.24)	0.502	0.904	NA	NA	NA
UKB PPP	GMPR	rs1042391	-0.070	0.105	0.93 (0.76, 1.14)	0.503	0.904	NA	NA	NA
UKB PPP	PSRC1	rs34863121	0.115	0.172	1.12 (0.80, 1.57)	0.503	0.904	NA	NA	NA
UKB PPP	TMPRSS15	rs2824805	0.182	0.272	1.20 (0.70, 2.05)	0.503	0.904	NA	NA	NA
UKB PPP	PODXL	rs3212298	-0.073	0.109	0.93 (0.75, 1.15)	0.504	0.905	NA	NA	NA

UKB PPP	CLGN	rs6852397	-0.025	0.037	0.98 (0.91, 1.05)	0.505	0.905	NA	NA	NA
UKB PPP	SIL1	rs2351905	-0.278	0.417	0.76 (0.33, 1.71)	0.505	0.905	NA	NA	NA
UKB PPP	CTRB1	rs8051363	-0.033	0.050	0.97 (0.88, 1.07)	0.506	0.905	NA	NA	NA
UKB PPP	ERBB2	rs3764354	-0.121	0.183	0.89 (0.62, 1.27)	0.507	0.905	NA	NA	NA
UKB PPP	SIGLEC9	rs2075803	0.029	0.044	1.03 (0.94, 1.12)	0.508	0.905	NA	NA	NA
UKB PPP	TNFAIP8	rs1035376	-0.204	0.310	0.82 (0.44, 1.50)	0.510	0.908	NA	NA	NA
UKB PPP	LYSMD3	rs10805870	0.338	0.513	1.40 (0.51, 3.84)	0.510	0.908	NA	NA	NA
UKB PPP	TF	rs8177247	0.052	0.079	1.05 (0.90, 1.23)	0.512	0.911	NA	NA	NA
UKB PPP	TAF5	rs79072	-0.104	0.160	0.90 (0.66, 1.23)	0.515	0.914	NA	NA	NA
UKB PPP	GP2	rs4430753	0.071	0.109	1.07 (0.87, 1.33)	0.517	0.916	NA	NA	NA
UKB PPP	CILP	rs2585035	0.056	0.087	1.06 (0.89, 1.25)	0.519	0.917	NA	NA	NA
UKB PPP	CLEC11A	rs141369989	0.071	0.110	1.07 (0.87, 1.33)	0.519	0.917	NA	NA	NA
UKB PPP	OGA	rs3781299	-0.129	0.199	0.88 (0.59, 1.30)	0.519	0.917	NA	NA	NA
UKB PPP	COCH	rs28400019	0.055	0.085	1.06 (0.89, 1.25)	0.520	0.917	NA	NA	NA
UKB PPP	MATN2	rs1869609	0.043	0.067	1.04 (0.92, 1.19)	0.524	0.922	NA	NA	NA
UKB PPP	FLT4	rs34221241	-0.072	0.113	0.93 (0.75, 1.16)	0.524	0.922	NA	NA	NA
UKB PPP	CASP10	rs7576306	0.087	0.136	1.09 (0.84, 1.42)	0.524	0.922	NA	NA	NA
UKB PPP	IL17RA	rs4819959	-0.019	0.030	0.98 (0.92, 1.04)	0.525	0.922	NA	NA	NA
UKB PPP	COMP	rs12974746	-0.124	0.196	0.88 (0.60, 1.30)	0.526	0.922	NA	NA	NA
UKB PPP	ESYT2	rs2709865	0.126	0.199	1.13 (0.77, 1.68)	0.526	0.922	NA	NA	NA
UKB PPP	SIGLEC8	rs36518	-0.036	0.057	0.96 (0.86, 1.08)	0.527	0.922	NA	NA	NA
UKB PPP	WWP2	rs72783174	-0.099	0.157	0.91 (0.67, 1.23)	0.528	0.923	NA	NA	NA
UKB PPP	CCDC50	rs35380043	0.108	0.172	1.11 (0.80, 1.56)	0.530	0.923	NA	NA	NA
UKB PPP	APEX1	rs1130409	-0.049	0.078	0.95 (0.82, 1.11)	0.531	0.923	NA	NA	NA
UKB PPP	MYOM3	rs6700245	-0.217	0.346	0.81 (0.41, 1.59)	0.531	0.923	NA	NA	NA
UKB PPP	MTIF3	rs1218825	-0.191	0.307	0.83 (0.45, 1.51)	0.532	0.923	NA	NA	NA
UKB PPP	ADAMTSL5	rs791461	0.047	0.075	1.05 (0.90, 1.21)	0.533	0.923	NA	NA	NA
UKB PPP	BRSK2	rs7395567	-0.032	0.052	0.97 (0.87, 1.07)	0.534	0.923	NA	NA	NA
UKB PPP	RNASE6	rs1045922	-0.041	0.066	0.96 (0.84, 1.09)	0.534	0.923	NA	NA	NA
UKB PPP	MARCO	rs35288880	-0.061	0.098	0.94 (0.78, 1.14)	0.535	0.923	NA	NA	NA
UKB PPP	HS6ST1	rs6761320	-0.077	0.124	0.93 (0.73, 1.18)	0.535	0.923	NA	NA	NA
UKB PPP	PTX3	rs56025932	0.252	0.407	1.29 (0.58, 2.86)	0.535	0.923	NA	NA	NA
UKB PPP	TFF2	rs225344	-0.138	0.223	0.87 (0.56, 1.35)	0.536	0.923	NA	NA	NA

UKB PPP	TREML2	rs11759347	-0.062	0.100	0.94 (0.77, 1.14)	0.537	0.923	NA	NA	NA
UKB PPP	CFD	rs71335276	-0.132	0.214	0.88 (0.58, 1.33)	0.537	0.923	NA	NA	NA
UKB PPP	IL1RL1	rs12470864	0.023	0.037	1.02 (0.95, 1.10)	0.539	0.923	NA	NA	NA
UKB PPP	C1S	rs12146727	-0.035	0.056	0.97 (0.87, 1.08)	0.539	0.923	NA	NA	NA
UKB PPP	LSP1	rs907612	0.112	0.182	1.12 (0.78, 1.60)	0.539	0.923	NA	NA	NA
UKB PPP	B3GNT7	rs2290130	0.024	0.039	1.02 (0.95, 1.11)	0.540	0.923	NA	NA	NA
UKB PPP	SCAMP3	rs1142287	-0.227	0.372	0.80 (0.38, 1.65)	0.542	0.923	NA	NA	NA
UKB PPP	IL6ST	rs11739016	-0.088	0.146	0.92 (0.69, 1.22)	0.543	0.923	NA	NA	NA
UKB PPP	TMPRSS11D	rs148060334	0.137	0.225	1.15 (0.74, 1.78)	0.543	0.923	NA	NA	NA
UKB PPP	MFAP4	rs139356332	-0.100	0.164	0.91 (0.66, 1.25)	0.544	0.923	NA	NA	NA
UKB PPP	IPCEF1	rs883273	-0.189	0.312	0.83 (0.45, 1.52)	0.544	0.923	NA	NA	NA
UKB PPP	F13B	rs12134960	0.036	0.060	1.04 (0.92, 1.17)	0.545	0.923	NA	NA	NA
UKB PPP	CHMP6	rs56239087	0.097	0.160	1.10 (0.80, 1.51)	0.545	0.923	NA	NA	NA
UKB PPP	TYMP	rs131805	0.083	0.138	1.09 (0.83, 1.42)	0.546	0.923	NA	NA	NA
UKB PPP	RNASET2	rs3756838	-0.039	0.066	0.96 (0.85, 1.09)	0.549	0.923	NA	NA	NA
UKB PPP	SF3B4	rs12078573	0.302	0.504	1.35 (0.50, 3.64)	0.549	0.923	NA	NA	NA
UKB PPP	CCL11	rs140905292	0.154	0.258	1.17 (0.70, 1.93)	0.550	0.923	NA	NA	NA
UKB PPP	GIMAP7	rs3735080	-0.029	0.049	0.97 (0.88, 1.07)	0.551	0.923	NA	NA	NA
UKB PPP	MPI	rs4886632	-0.073	0.122	0.93 (0.73, 1.18)	0.551	0.923	NA	NA	NA
UKB PPP	SERPINB1	rs6925835	0.184	0.309	1.20 (0.66, 2.20)	0.551	0.923	NA	NA	NA
UKB PPP	CST3	rs911119	0.054	0.092	1.06 (0.88, 1.26)	0.552	0.923	NA	NA	NA
UKB PPP	NAGK	rs11680831	-0.069	0.115	0.93 (0.74, 1.17)	0.552	0.923	NA	NA	NA
UKB PPP	RNF43	rs34523089	-0.174	0.291	0.84 (0.47, 1.49)	0.552	0.923	NA	NA	NA
UKB PPP	KIT	rs218263	0.285	0.481	1.33 (0.52, 3.41)	0.553	0.923	NA	NA	NA
UKB PPP	PROCR	rs867186	-0.037	0.063	0.96 (0.85, 1.09)	0.554	0.923	NA	NA	NA
UKB PPP	CLEC4G	rs76560987	-0.082	0.138	0.92 (0.70, 1.21)	0.554	0.923	NA	NA	NA
UKB PPP	FCRLB	rs61801180	-0.023	0.039	0.98 (0.91, 1.05)	0.555	0.923	NA	NA	NA
UKB PPP	DDT	rs1006771	-0.078	0.133	0.92 (0.71, 1.20)	0.555	0.923	NA	NA	NA
UKB PPP	PLTP	rs6073958	0.035	0.060	1.04 (0.92, 1.17)	0.556	0.923	NA	NA	NA
UKB PPP	ARHGEF5	rs1635893	-0.037	0.062	0.96 (0.85, 1.09)	0.556	0.923	NA	NA	NA
UKB PPP	DUSP13	rs6480771	-0.060	0.102	0.94 (0.77, 1.15)	0.556	0.923	NA	NA	NA
UKB PPP	RBPM52	rs28711906	-0.190	0.323	0.83 (0.44, 1.56)	0.556	0.923	NA	NA	NA
UKB PPP	RSPO1	rs36043533	0.073	0.124	1.08 (0.84, 1.37)	0.557	0.923	NA	NA	NA

UKB PPP	CD74	rs79078220	-0.360	0.612	0.70 (0.21, 2.32)	0.557	0.923	NA	NA	NA
UKB PPP	ST6GAL1	rs4686837	0.089	0.152	1.09 (0.81, 1.47)	0.558	0.923	NA	NA	NA
UKB PPP	VAMP8	rs3731828	-0.092	0.157	0.91 (0.67, 1.24)	0.559	0.923	NA	NA	NA
UKB PPP	MEGF11	rs11630800	0.106	0.182	1.11 (0.78, 1.59)	0.559	0.923	NA	NA	NA
UKB PPP	ADAM23	rs72933203	0.027	0.047	1.03 (0.94, 1.13)	0.560	0.923	NA	NA	NA
UKB PPP	SDK2	rs11655934	-0.032	0.055	0.97 (0.87, 1.08)	0.560	0.923	NA	NA	NA
UKB PPP	DNM1	rs3003599	0.056	0.096	1.06 (0.88, 1.28)	0.560	0.923	NA	NA	NA
UKB PPP	RNASE3	rs147307766	0.066	0.114	1.07 (0.85, 1.33)	0.561	0.923	NA	NA	NA
UKB PPP	MAP4K5	rs17780143	0.087	0.150	1.09 (0.81, 1.46)	0.561	0.923	NA	NA	NA
UKB PPP	CDHR5	rs12360820	-0.028	0.048	0.97 (0.89, 1.07)	0.562	0.923	NA	NA	NA
UKB PPP	WASHC3	rs10860846	0.177	0.307	1.19 (0.65, 2.18)	0.563	0.923	NA	NA	NA
UKB PPP	RANBP1	rs76889809	-0.265	0.462	0.77 (0.31, 1.90)	0.566	0.927	NA	NA	NA
UKB PPP	MANSC4	rs34311349	-0.019	0.034	0.98 (0.92, 1.05)	0.570	0.929	NA	NA	NA
UKB PPP	FABP6	rs1130435	0.145	0.255	1.16 (0.70, 1.90)	0.571	0.929	NA	NA	NA
UKB PPP	CD209	rs4804774	-0.044	0.079	0.96 (0.82, 1.12)	0.572	0.929	NA	NA	NA
UKB PPP	CLEC4M	rs4804774	-0.051	0.090	0.95 (0.80, 1.13)	0.572	0.929	NA	NA	NA
UKB PPP	IGSF3	rs2284860	-0.167	0.295	0.85 (0.47, 1.51)	0.573	0.929	NA	NA	NA
UKB PPP	FGR	rs3737803	-0.171	0.303	0.84 (0.47, 1.53)	0.573	0.929	NA	NA	NA
UKB PPP	SPRY2	rs504122	0.181	0.320	1.20 (0.64, 2.24)	0.573	0.929	NA	NA	NA
UKB PPP	PGLYRP2	rs34440547	0.016	0.028	1.02 (0.96, 1.07)	0.574	0.929	NA	NA	NA
UKB PPP	NELL2	rs382115	-0.083	0.148	0.92 (0.69, 1.23)	0.574	0.929	NA	NA	NA
UKB PPP	MAX	rs8005829	0.182	0.324	1.20 (0.64, 2.27)	0.574	0.929	NA	NA	NA
UKB PPP	SCARB2	rs28563976	0.061	0.109	1.06 (0.86, 1.32)	0.575	0.929	NA	NA	NA
UKB PPP	RPL14	rs148850234	0.379	0.675	1.46 (0.39, 5.49)	0.575	0.929	NA	NA	NA
UKB PPP	CEACAM8	rs12459454	0.118	0.212	1.13 (0.74, 1.70)	0.577	0.929	NA	NA	NA
UKB PPP	CEACAM6	rs12459454	0.128	0.230	1.14 (0.72, 1.78)	0.577	0.929	NA	NA	NA
UKB PPP	ECI2	rs660560	-0.053	0.096	0.95 (0.79, 1.14)	0.578	0.929	NA	NA	NA
UKB PPP	CLEC4C	rs10845821	0.016	0.030	1.02 (0.96, 1.08)	0.579	0.929	NA	NA	NA
UKB PPP	NTRK3	rs28735437	0.072	0.130	1.07 (0.83, 1.39)	0.579	0.929	NA	NA	NA
UKB PPP	CARHSP1	rs12597479	0.179	0.322	1.20 (0.64, 2.25)	0.579	0.929	NA	NA	NA
UKB PPP	PRSS27	rs71386687	0.087	0.158	1.09 (0.80, 1.49)	0.580	0.929	NA	NA	NA
UKB PPP	EBI3_IL27	rs8109160	0.036	0.065	1.04 (0.91, 1.18)	0.581	0.929	NA	NA	NA
UKB PPP	ENPP6	rs78293932	-0.056	0.102	0.95 (0.77, 1.15)	0.581	0.929	NA	NA	NA

UKB PPP	HPGDS	rs2865353	-0.031	0.056	0.97 (0.87, 1.08)	0.582	0.929	NA	NA	NA
UKB PPP	NIT1	rs76502631	-0.074	0.133	0.93 (0.72, 1.21)	0.582	0.929	NA	NA	NA
UKB PPP	CRH	rs59104426	0.059	0.108	1.06 (0.86, 1.31)	0.583	0.929	NA	NA	NA
UKB PPP	PPP1R14A	rs71354995	-0.069	0.126	0.93 (0.73, 1.19)	0.583	0.929	NA	NA	NA
UKB PPP	REG4	rs79795228	0.146	0.267	1.16 (0.69, 1.95)	0.583	0.929	NA	NA	NA
UKB PPP	CD80	rs56078908	-0.034	0.063	0.97 (0.85, 1.09)	0.586	0.931	NA	NA	NA
UKB PPP	CES1	rs143168962	-0.036	0.066	0.96 (0.85, 1.10)	0.586	0.931	NA	NA	NA
UKB PPP	CGB3_CGB5_CGB8	rs7252920	0.232	0.425	1.26 (0.55, 2.90)	0.586	0.931	NA	NA	NA
UKB PPP	NUDT16	rs150437674	-0.066	0.122	0.94 (0.74, 1.19)	0.587	0.931	NA	NA	NA
UKB PPP	FCRL6	rs55650803	-0.019	0.035	0.98 (0.92, 1.05)	0.588	0.931	NA	NA	NA
UKB PPP	ACP6	rs2153463	0.015	0.028	1.02 (0.96, 1.07)	0.590	0.932	NA	NA	NA
UKB PPP	CDNF	rs61738953	0.043	0.080	1.04 (0.89, 1.22)	0.590	0.932	NA	NA	NA
UKB PPP	BCAN	rs2365715	-0.075	0.139	0.93 (0.71, 1.22)	0.590	0.932	NA	NA	NA
UKB PPP	KLK7	rs1991821	0.036	0.067	1.04 (0.91, 1.18)	0.592	0.934	NA	NA	NA
UKB PPP	DKK1	rs7097068	0.132	0.247	1.14 (0.70, 1.85)	0.593	0.934	NA	NA	NA
UKB PPP	EXTL1	rs2736831	0.038	0.071	1.04 (0.90, 1.19)	0.594	0.935	NA	NA	NA
UKB PPP	NRTN	rs36055559	-0.322	0.603	0.72 (0.22, 2.36)	0.594	0.935	NA	NA	NA
UKB PPP	ACE	rs4362	0.030	0.057	1.03 (0.92, 1.15)	0.595	0.935	NA	NA	NA
UKB PPP	NAGPA	rs12599777	0.043	0.080	1.04 (0.89, 1.22)	0.596	0.935	NA	NA	NA
UKB PPP	LDLRAP1	rs75446219	0.324	0.611	1.38 (0.42, 4.58)	0.596	0.935	NA	NA	NA
UKB PPP	DAPP1	rs7688733	0.132	0.251	1.14 (0.70, 1.87)	0.598	0.935	NA	NA	NA
UKB PPP	GPR158	rs1931291	0.221	0.420	1.25 (0.55, 2.84)	0.598	0.935	NA	NA	NA
UKB PPP	C2CD2L	rs640603	0.248	0.471	1.28 (0.51, 3.23)	0.598	0.935	NA	NA	NA
UKB PPP	YOD1	rs1044145	0.126	0.239	1.13 (0.71, 1.81)	0.599	0.935	NA	NA	NA
UKB PPP	PMM2	rs34258285	-0.069	0.132	0.93 (0.72, 1.21)	0.601	0.937	NA	NA	NA
UKB PPP	PGLYRP4	rs111586430	-0.031	0.060	0.97 (0.86, 1.09)	0.603	0.938	NA	NA	NA
UKB PPP	LCN15	rs4880140	0.025	0.049	1.03 (0.93, 1.13)	0.604	0.938	NA	NA	NA
UKB PPP	FSTL3	rs916904	-0.159	0.307	0.85 (0.47, 1.56)	0.604	0.938	NA	NA	NA
UKB PPP	VEGFC	rs35029317	-0.147	0.285	0.86 (0.49, 1.51)	0.605	0.938	NA	NA	NA
UKB PPP	VSNL1	rs446947	-0.045	0.088	0.96 (0.81, 1.13)	0.607	0.938	NA	NA	NA
UKB PPP	MOG	rs9461541	0.086	0.166	1.09 (0.79, 1.51)	0.607	0.938	NA	NA	NA
UKB PPP	CXADR	rs2849900	0.138	0.269	1.15 (0.68, 1.95)	0.607	0.938	NA	NA	NA
UKB PPP	MATN3	rs11694716	-0.024	0.046	0.98 (0.89, 1.07)	0.608	0.938	NA	NA	NA

UKB PPP	FOXJ3	rs1139978	-0.190	0.371	0.83 (0.40, 1.71)	0.608	0.938	NA	NA	NA
UKB PPP	CCDC80	rs6772337	0.193	0.377	1.21 (0.58, 2.54)	0.608	0.938	NA	NA	NA
UKB PPP	TIMD4	rs4704826	-0.056	0.109	0.95 (0.76, 1.17)	0.609	0.938	NA	NA	NA
UKB PPP	FUOM	rs11816588	0.088	0.173	1.09 (0.78, 1.53)	0.611	0.938	NA	NA	NA
UKB PPP	PLSCR3	rs2277641	0.209	0.411	1.23 (0.55, 2.76)	0.611	0.938	NA	NA	NA
UKB PPP	MAP2	rs113770841	0.241	0.473	1.27 (0.50, 3.22)	0.611	0.938	NA	NA	NA
UKB PPP	FCAMR	rs11119933	-0.036	0.070	0.96 (0.84, 1.11)	0.612	0.938	NA	NA	NA
UKB PPP	NRP1	rs2506150	-0.042	0.083	0.96 (0.82, 1.13)	0.612	0.938	NA	NA	NA
UKB PPP	HSD17B14	rs35299026	0.023	0.045	1.02 (0.94, 1.12)	0.613	0.938	NA	NA	NA
UKB PPP	HAVCR1	rs6555820	0.026	0.052	1.03 (0.93, 1.14)	0.613	0.938	NA	NA	NA
UKB PPP	GRAP2	rs148328786	0.167	0.330	1.18 (0.62, 2.26)	0.613	0.938	NA	NA	NA
UKB PPP	SCARA5	rs2726951	0.043	0.085	1.04 (0.88, 1.23)	0.615	0.938	NA	NA	NA
UKB PPP	PI3	rs35770435	0.045	0.090	1.05 (0.88, 1.25)	0.615	0.938	NA	NA	NA
UKB PPP	UROS	rs10794023	0.107	0.215	1.11 (0.73, 1.70)	0.618	0.939	NA	NA	NA
UKB PPP	NSFL1C	rs6042675	0.160	0.322	1.17 (0.62, 2.21)	0.619	0.939	NA	NA	NA
UKB PPP	FCRL2	rs12568320	-0.022	0.043	0.98 (0.90, 1.07)	0.620	0.939	NA	NA	NA
UKB PPP	CD300A	rs62087202	-0.051	0.104	0.95 (0.78, 1.16)	0.620	0.939	NA	NA	NA
UKB PPP	KLB	rs13103023	0.017	0.035	1.02 (0.95, 1.09)	0.621	0.939	NA	NA	NA
UKB PPP	SLAMF8	rs34687326	0.018	0.035	1.02 (0.95, 1.09)	0.621	0.939	NA	NA	NA
UKB PPP	CD300E	rs1719465	0.036	0.073	1.04 (0.90, 1.20)	0.621	0.939	NA	NA	NA
UKB PPP	CALCB	rs4757282	-0.116	0.234	0.89 (0.56, 1.41)	0.621	0.939	NA	NA	NA
UKB PPP	SLC16A1	rs6670866	-0.197	0.398	0.82 (0.38, 1.79)	0.621	0.939	NA	NA	NA
UKB PPP	TNFRSF8	rs35249183	0.063	0.128	1.06 (0.83, 1.37)	0.624	0.939	NA	NA	NA
UKB PPP	CACNB3	rs7975385	-0.123	0.250	0.88 (0.54, 1.45)	0.624	0.939	NA	NA	NA
UKB PPP	MICALL2	rs2289035	0.190	0.388	1.21 (0.57, 2.59)	0.624	0.939	NA	NA	NA
UKB PPP	AMN	rs2295829	-0.019	0.038	0.98 (0.91, 1.06)	0.625	0.939	NA	NA	NA
UKB PPP	MST1	rs11130213	-0.013	0.027	0.99 (0.94, 1.04)	0.629	0.939	NA	NA	NA
UKB PPP	SERPINA12	rs17091005	-0.018	0.038	0.98 (0.91, 1.06)	0.629	0.939	NA	NA	NA
UKB PPP	KLK13	rs3760739	0.028	0.059	1.03 (0.92, 1.15)	0.629	0.939	NA	NA	NA
UKB PPP	C3	rs11569466	0.112	0.232	1.12 (0.71, 1.76)	0.630	0.939	NA	NA	NA
UKB PPP	GAS2	rs2279240	-0.114	0.236	0.89 (0.56, 1.42)	0.630	0.939	NA	NA	NA
UKB PPP	TDP1	rs79027981	0.156	0.324	1.17 (0.62, 2.21)	0.630	0.939	NA	NA	NA
UKB PPP	APOE	rs429358	-0.017	0.036	0.98 (0.92, 1.05)	0.631	0.939	NA	NA	NA

UKB PPP	CCL2	rs12601658	0.208	0.432	1.23 (0.53, 2.87)	0.631	0.939	NA	NA	NA
UKB PPP	TRIM25	rs2525992	0.135	0.284	1.14 (0.66, 2.00)	0.634	0.939	NA	NA	NA
UKB PPP	PGD	rs2229688	-0.057	0.119	0.95 (0.75, 1.19)	0.635	0.939	NA	NA	NA
UKB PPP	PLXDC1	rs62076601	0.056	0.119	1.06 (0.84, 1.33)	0.635	0.939	NA	NA	NA
UKB PPP	BOLA2_BOLA2B	rs111894927	-0.195	0.410	0.82 (0.37, 1.84)	0.635	0.939	NA	NA	NA
UKB PPP	FGFR4	rs351855	0.013	0.028	1.01 (0.96, 1.07)	0.636	0.939	NA	NA	NA
UKB PPP	CCL24	rs2024050	0.015	0.032	1.02 (0.95, 1.08)	0.636	0.939	NA	NA	NA
UKB PPP	AMY2B	rs12080068	0.029	0.060	1.03 (0.91, 1.16)	0.636	0.939	NA	NA	NA
UKB PPP	CDCP1	rs2276862	-0.062	0.132	0.94 (0.73, 1.22)	0.636	0.939	NA	NA	NA
UKB PPP	KITLG	rs11105121	0.236	0.499	1.27 (0.48, 3.37)	0.636	0.939	NA	NA	NA
UKB PPP	GPC5	rs342706	-0.015	0.032	0.99 (0.93, 1.05)	0.637	0.939	NA	NA	NA
UKB PPP	DPP4	rs13015258	0.054	0.115	1.06 (0.84, 1.32)	0.637	0.939	NA	NA	NA
UKB PPP	MUC2	rs12416873	-0.056	0.119	0.95 (0.75, 1.19)	0.637	0.939	NA	NA	NA
UKB PPP	RBP5	rs76904513	-0.042	0.089	0.96 (0.80, 1.14)	0.638	0.939	NA	NA	NA
UKB PPP	GMFG	rs194016	-0.178	0.378	0.84 (0.40, 1.76)	0.638	0.939	NA	NA	NA
UKB PPP	CD274	rs822340	-0.039	0.083	0.96 (0.82, 1.13)	0.640	0.939	NA	NA	NA
UKB PPP	NAPRT	rs10282929	-0.035	0.075	0.97 (0.83, 1.12)	0.641	0.939	NA	NA	NA
UKB PPP	LRRFIP1	rs62183645	0.198	0.424	1.22 (0.53, 2.80)	0.641	0.939	NA	NA	NA
UKB PPP	TNFSF12	rs80067372	0.034	0.074	1.03 (0.90, 1.20)	0.642	0.939	NA	NA	NA
UKB PPP	MCEE	rs6716795	0.061	0.132	1.06 (0.82, 1.38)	0.642	0.939	NA	NA	NA
UKB PPP	ASPN	rs2295941	0.047	0.101	1.05 (0.86, 1.28)	0.643	0.939	NA	NA	NA
UKB PPP	PARP1	rs1433574	-0.097	0.209	0.91 (0.60, 1.37)	0.643	0.939	NA	NA	NA
UKB PPP	CC2D1A	rs61740117	-0.221	0.477	0.80 (0.31, 2.04)	0.643	0.939	NA	NA	NA
UKB PPP	IFIT3	rs2274878	0.121	0.261	1.13 (0.68, 1.88)	0.644	0.939	NA	NA	NA
UKB PPP	EPHA4	rs10932916	0.082	0.178	1.09 (0.77, 1.54)	0.646	0.941	NA	NA	NA
UKB PPP	HJV	rs41302089	-0.096	0.209	0.91 (0.60, 1.37)	0.646	0.941	NA	NA	NA
UKB PPP	CDKN1A	rs3176345	0.088	0.192	1.09 (0.75, 1.59)	0.647	0.941	NA	NA	NA
UKB PPP	CCL19	rs10972202	0.155	0.340	1.17 (0.60, 2.27)	0.648	0.942	NA	NA	NA
UKB PPP	CLEC6A	rs11045427	0.023	0.050	1.02 (0.93, 1.13)	0.649	0.942	NA	NA	NA
UKB PPP	IGF1R	rs35115159	0.106	0.234	1.11 (0.70, 1.76)	0.649	0.942	NA	NA	NA
UKB PPP	LY75	rs72957586	0.012	0.026	1.01 (0.96, 1.07)	0.651	0.942	NA	NA	NA
UKB PPP	ANPEP	rs1042499	-0.031	0.069	0.97 (0.85, 1.11)	0.651	0.942	NA	NA	NA
UKB PPP	MYDGF	rs60893137	-0.125	0.276	0.88 (0.51, 1.52)	0.652	0.942	NA	NA	NA

UKB PPP	IL5RA	rs77400868	0.035	0.077	1.04 (0.89, 1.21)	0.653	0.942	NA	NA	NA
UKB PPP	KLK8	rs74705037	0.042	0.094	1.04 (0.87, 1.25)	0.653	0.942	NA	NA	NA
UKB PPP	ST3GAL1	rs9643300	-0.049	0.108	0.95 (0.77, 1.18)	0.653	0.942	NA	NA	NA
UKB PPP	CNTN5	rs898776	0.027	0.061	1.03 (0.91, 1.16)	0.656	0.943	NA	NA	NA
UKB PPP	DNAJC21	rs35176895	0.102	0.230	1.11 (0.71, 1.74)	0.656	0.943	NA	NA	NA
UKB PPP	S100A16	rs9700928	0.112	0.251	1.12 (0.68, 1.83)	0.656	0.943	NA	NA	NA
UKB PPP	PCDH1	rs4645358	-0.137	0.310	0.87 (0.48, 1.60)	0.657	0.944	NA	NA	NA
UKB PPP	CPA4	rs34587586	-0.021	0.048	0.98 (0.89, 1.08)	0.660	0.947	NA	NA	NA
UKB PPP	ACVRL1	rs2277382	0.034	0.078	1.03 (0.89, 1.21)	0.661	0.947	NA	NA	NA
UKB PPP	PRSS8	rs889555	0.104	0.236	1.11 (0.70, 1.76)	0.661	0.947	NA	NA	NA
UKB PPP	TLR3	rs3775291	0.011	0.025	1.01 (0.96, 1.06)	0.663	0.948	NA	NA	NA
UKB PPP	DRAXIN	rs6679089	0.054	0.124	1.06 (0.83, 1.34)	0.664	0.949	NA	NA	NA
UKB PPP	C1QTNF1	rs116539064	-0.048	0.112	0.95 (0.76, 1.19)	0.665	0.950	NA	NA	NA
UKB PPP	NECTIN2	rs440277	0.062	0.145	1.06 (0.80, 1.41)	0.667	0.950	NA	NA	NA
UKB PPP	NOS2	rs2297518	-0.150	0.348	0.86 (0.43, 1.70)	0.667	0.950	NA	NA	NA
UKB PPP	TSC22D1	rs963569	0.197	0.458	1.22 (0.50, 2.99)	0.668	0.950	NA	NA	NA
UKB PPP	AKR1C4	rs11253048	0.205	0.479	1.23 (0.48, 3.14)	0.668	0.950	NA	NA	NA
UKB PPP	FGF2	rs2922979	-0.016	0.038	0.98 (0.91, 1.06)	0.669	0.950	NA	NA	NA
UKB PPP	CD302	rs2556106	-0.039	0.091	0.96 (0.81, 1.15)	0.671	0.952	NA	NA	NA
UKB PPP	SCPEP1	rs34449028	0.034	0.080	1.03 (0.88, 1.21)	0.672	0.952	NA	NA	NA
UKB PPP	FGF21	rs838131	0.107	0.255	1.11 (0.68, 1.83)	0.673	0.952	NA	NA	NA
UKB PPP	GFAP	rs59291670	-0.183	0.434	0.83 (0.36, 1.95)	0.673	0.952	NA	NA	NA
UKB PPP	PAMR1	rs61736408	-0.031	0.075	0.97 (0.84, 1.12)	0.674	0.952	NA	NA	NA
UKB PPP	SEMA7A	rs78994380	-0.075	0.178	0.93 (0.65, 1.32)	0.674	0.952	NA	NA	NA
UKB PPP	APOL1	rs136168	-0.042	0.099	0.96 (0.79, 1.17)	0.675	0.952	NA	NA	NA
UKB PPP	INHBB	rs17050272	-0.029	0.070	0.97 (0.85, 1.11)	0.676	0.952	NA	NA	NA
UKB PPP	CA4	rs117154637	-0.037	0.088	0.96 (0.81, 1.14)	0.676	0.952	NA	NA	NA
UKB PPP	SERPINI2	rs6444344	0.033	0.078	1.03 (0.89, 1.20)	0.677	0.952	NA	NA	NA
UKB PPP	LAIR2	rs73070113	-0.017	0.041	0.98 (0.91, 1.07)	0.679	0.954	NA	NA	NA
UKB PPP	CDHR2	rs2963680	-0.100	0.245	0.90 (0.56, 1.46)	0.683	0.955	NA	NA	NA
UKB PPP	SNED1	rs2074822	-0.081	0.199	0.92 (0.62, 1.36)	0.684	0.955	NA	NA	NA
UKB PPP	NOS1	rs4767532	-0.088	0.216	0.92 (0.60, 1.40)	0.684	0.955	NA	NA	NA
UKB PPP	LY9	rs12128261	-0.020	0.050	0.98 (0.89, 1.08)	0.685	0.955	NA	NA	NA

UKB PPP	CCN3	rs2279112	-0.041	0.101	0.96 (0.79, 1.17)	0.685	0.955	NA	NA	NA
UKB PPP	EPS8L2	rs11246276	-0.038	0.093	0.96 (0.80, 1.16)	0.686	0.955	NA	NA	NA
UKB PPP	ENG	rs11794565	-0.040	0.099	0.96 (0.79, 1.17)	0.686	0.955	NA	NA	NA
UKB PPP	CCN1	rs4949896	-0.095	0.236	0.91 (0.57, 1.44)	0.686	0.955	NA	NA	NA
UKB PPP	SERPINE1	rs2227674	-0.109	0.269	0.90 (0.53, 1.52)	0.686	0.955	NA	NA	NA
UKB PPP	GASK1A	rs493412	-0.014	0.035	0.99 (0.92, 1.06)	0.687	0.955	NA	NA	NA
UKB PPP	CFH	rs731557	0.030	0.075	1.03 (0.89, 1.19)	0.687	0.955	NA	NA	NA
UKB PPP	OMG	rs72813607	-0.118	0.293	0.89 (0.50, 1.58)	0.687	0.955	NA	NA	NA
UKB PPP	CTSD	rs55861089	0.034	0.084	1.03 (0.88, 1.22)	0.688	0.955	NA	NA	NA
UKB PPP	TNR	rs2235256	-0.027	0.067	0.97 (0.85, 1.11)	0.690	0.957	NA	NA	NA
UKB PPP	CXCL13	rs2053526	-0.189	0.474	0.83 (0.33, 2.10)	0.690	0.957	NA	NA	NA
UKB PPP	FGFR2	rs2981430	-0.091	0.230	0.91 (0.58, 1.43)	0.691	0.957	NA	NA	NA
UKB PPP	GPR37	rs60598740	-0.015	0.037	0.99 (0.92, 1.06)	0.693	0.957	NA	NA	NA
UKB PPP	GDNF	rs62360373	-0.042	0.107	0.96 (0.78, 1.18)	0.694	0.957	NA	NA	NA
UKB PPP	LGALS8	rs1475133	0.037	0.094	1.04 (0.86, 1.25)	0.695	0.957	NA	NA	NA
UKB PPP	APOF	rs2020854	0.055	0.141	1.06 (0.80, 1.39)	0.695	0.957	NA	NA	NA
UKB PPP	TNFSF10	rs79287178	-0.065	0.166	0.94 (0.68, 1.30)	0.695	0.957	NA	NA	NA
UKB PPP	MAP2K1	rs77428206	0.199	0.506	1.22 (0.45, 3.29)	0.695	0.957	NA	NA	NA
UKB PPP	RNASE4	rs12588573	0.033	0.084	1.03 (0.88, 1.22)	0.698	0.957	NA	NA	NA
UKB PPP	DPP10	rs17355498	0.036	0.094	1.04 (0.86, 1.25)	0.698	0.957	NA	NA	NA
UKB PPP	MSLN	rs2235503	0.017	0.044	1.02 (0.93, 1.11)	0.699	0.957	NA	NA	NA
UKB PPP	F11	rs2289252	-0.026	0.067	0.97 (0.86, 1.11)	0.699	0.957	NA	NA	NA
UKB PPP	IL4R	rs8060025	-0.031	0.081	0.97 (0.83, 1.14)	0.699	0.957	NA	NA	NA
UKB PPP	CRTAM	rs2370794	-0.033	0.085	0.97 (0.82, 1.14)	0.700	0.957	NA	NA	NA
UKB PPP	RTBDN	rs7255045	0.064	0.166	1.07 (0.77, 1.48)	0.700	0.957	NA	NA	NA
UKB PPP	LY96	rs6472812	0.169	0.438	1.18 (0.50, 2.79)	0.700	0.957	NA	NA	NA
UKB PPP	ITGB5	rs185447638	-0.132	0.345	0.88 (0.45, 1.72)	0.701	0.957	NA	NA	NA
UKB PPP	DOC2B	rs8069133	-0.197	0.513	0.82 (0.30, 2.24)	0.701	0.957	NA	NA	NA
UKB PPP	TGM2	rs2076382	-0.057	0.150	0.94 (0.70, 1.27)	0.703	0.957	NA	NA	NA
UKB PPP	NFU1	rs74637005	-0.090	0.236	0.91 (0.58, 1.45)	0.703	0.957	NA	NA	NA
UKB PPP	CD48	rs2295615	0.016	0.043	1.02 (0.93, 1.11)	0.706	0.959	NA	NA	NA
UKB PPP	CDA	rs2072671	-0.021	0.055	0.98 (0.88, 1.09)	0.706	0.959	NA	NA	NA
UKB PPP	TBC1D17	rs7248744	0.023	0.061	1.02 (0.91, 1.15)	0.706	0.959	NA	NA	NA

UKB PPP	AKR7L	rs59622577	-0.053	0.140	0.95 (0.72, 1.25)	0.707	0.959	NA	NA	NA
UKB PPP	IFI30	rs7259445	-0.023	0.061	0.98 (0.87, 1.10)	0.709	0.959	NA	NA	NA
UKB PPP	MCFD2	rs6419615	-0.070	0.189	0.93 (0.64, 1.35)	0.711	0.959	NA	NA	NA
UKB PPP	IGSF8	rs12408242	-0.071	0.191	0.93 (0.64, 1.36)	0.711	0.959	NA	NA	NA
UKB PPP	CD36	rs6961069	0.034	0.091	1.03 (0.87, 1.24)	0.712	0.959	NA	NA	NA
UKB PPP	TIMM10	rs2848626	0.052	0.140	1.05 (0.80, 1.38)	0.712	0.959	NA	NA	NA
UKB PPP	LAMP1	rs9549739	-0.184	0.500	0.83 (0.31, 2.22)	0.712	0.959	NA	NA	NA
UKB PPP	MELTF	rs3773862	0.024	0.066	1.02 (0.90, 1.17)	0.713	0.959	NA	NA	NA
UKB PPP	HRG	rs9898	0.020	0.054	1.02 (0.92, 1.13)	0.715	0.959	NA	NA	NA
UKB PPP	EBAG9	rs2022934	-0.133	0.365	0.88 (0.43, 1.79)	0.716	0.959	NA	NA	NA
UKB PPP	SPINT1	rs17658212	0.031	0.086	1.03 (0.87, 1.22)	0.717	0.959	NA	NA	NA
UKB PPP	LAG3	rs3782735	0.053	0.146	1.05 (0.79, 1.40)	0.718	0.959	NA	NA	NA
UKB PPP	PDCD5	rs10402931	-0.027	0.074	0.97 (0.84, 1.13)	0.719	0.959	NA	NA	NA
UKB PPP	COL5A1	rs12002679	-0.047	0.131	0.95 (0.74, 1.23)	0.719	0.959	NA	NA	NA
UKB PPP	BLNK	rs55769428	-0.166	0.462	0.85 (0.34, 2.09)	0.719	0.959	NA	NA	NA
UKB PPP	VEGFA	rs6921438	0.013	0.038	1.01 (0.94, 1.09)	0.721	0.959	NA	NA	NA
UKB PPP	OSM	rs4823082	0.173	0.485	1.19 (0.46, 3.08)	0.722	0.959	NA	NA	NA
UKB PPP	CLEC1A	rs7961483	0.029	0.082	1.03 (0.88, 1.21)	0.723	0.959	NA	NA	NA
UKB PPP	RASSF2	rs2246735	0.100	0.281	1.10 (0.64, 1.92)	0.723	0.959	NA	NA	NA
UKB PPP	SERPING1	rs28362944	-0.060	0.169	0.94 (0.68, 1.31)	0.724	0.959	NA	NA	NA
UKB PPP	PLEKHO1	rs72692857	0.154	0.436	1.17 (0.50, 2.74)	0.724	0.959	NA	NA	NA
UKB PPP	VSTM1	rs2433724	-0.012	0.036	0.99 (0.92, 1.06)	0.725	0.959	NA	NA	NA
UKB PPP	CCL21	rs10814138	0.091	0.260	1.10 (0.66, 1.82)	0.726	0.959	NA	NA	NA
UKB PPP	FUT3_FUT5	rs3760775	0.017	0.048	1.02 (0.93, 1.12)	0.727	0.959	NA	NA	NA
UKB PPP	CA3	rs2072696	-0.057	0.166	0.94 (0.68, 1.31)	0.729	0.959	NA	NA	NA
UKB PPP	SCGB3A1	rs307802	-0.079	0.228	0.92 (0.59, 1.44)	0.729	0.959	NA	NA	NA
UKB PPP	CRYGD	rs34570682	-0.013	0.038	0.99 (0.92, 1.06)	0.730	0.959	NA	NA	NA
UKB PPP	RECK	rs71521299	0.050	0.146	1.05 (0.79, 1.40)	0.730	0.959	NA	NA	NA
UKB PPP	AHNAK	rs74853209	0.070	0.204	1.07 (0.72, 1.60)	0.731	0.959	NA	NA	NA
UKB PPP	IST1	rs79258602	-0.134	0.390	0.87 (0.41, 1.88)	0.731	0.959	NA	NA	NA
UKB PPP	FNDC1	rs73588939	-0.022	0.065	0.98 (0.86, 1.11)	0.733	0.959	NA	NA	NA
UKB PPP	CR2	rs61821113	-0.048	0.140	0.95 (0.72, 1.25)	0.733	0.959	NA	NA	NA
UKB PPP	ARFIP1	rs4619875	0.056	0.165	1.06 (0.77, 1.46)	0.733	0.959	NA	NA	NA

UKB PPP	CXCL8	rs74468557	0.123	0.360	1.13 (0.56, 2.29)	0.734	0.959	NA	NA	NA
UKB PPP	TP53	rs1641549	0.148	0.435	1.16 (0.49, 2.72)	0.734	0.959	NA	NA	NA
UKB PPP	MITD1	rs13009147	0.115	0.341	1.12 (0.58, 2.19)	0.735	0.959	NA	NA	NA
UKB PPP	TSPAN15	rs1227967	0.150	0.445	1.16 (0.49, 2.78)	0.735	0.959	NA	NA	NA
UKB PPP	CRHBP	rs6896257	0.015	0.045	1.02 (0.93, 1.11)	0.736	0.959	NA	NA	NA
UKB PPP	SLITRK6	rs12863734	0.026	0.076	1.03 (0.88, 1.19)	0.736	0.959	NA	NA	NA
UKB PPP	CA12	rs12916532	0.032	0.094	1.03 (0.86, 1.24)	0.736	0.959	NA	NA	NA
UKB PPP	CDON	rs607980	-0.078	0.234	0.92 (0.58, 1.46)	0.737	0.959	NA	NA	NA
UKB PPP	CPM	rs7978197	-0.089	0.265	0.91 (0.54, 1.54)	0.737	0.959	NA	NA	NA
UKB PPP	RTN4IP1	rs2054365	-0.090	0.267	0.91 (0.54, 1.54)	0.737	0.959	NA	NA	NA
UKB PPP	CSPG4	rs11854097	-0.074	0.223	0.93 (0.60, 1.44)	0.738	0.959	NA	NA	NA
UKB PPP	MANF	rs11721253	-0.123	0.368	0.88 (0.43, 1.82)	0.738	0.959	NA	NA	NA
UKB PPP	LRP11	rs2342858	0.014	0.042	1.01 (0.93, 1.10)	0.740	0.959	NA	NA	NA
UKB PPP	CCL14	rs9903158	-0.018	0.055	0.98 (0.88, 1.09)	0.741	0.959	NA	NA	NA
UKB PPP	ENPP2	rs13267597	0.033	0.101	1.03 (0.85, 1.26)	0.742	0.959	NA	NA	NA
UKB PPP	SLAMF7	rs11581248	0.014	0.042	1.01 (0.93, 1.10)	0.743	0.959	NA	NA	NA
UKB PPP	CXCL5	rs352045	-0.022	0.068	0.98 (0.86, 1.12)	0.743	0.959	NA	NA	NA
UKB PPP	RPA2	rs17185038	0.102	0.311	1.11 (0.60, 2.04)	0.743	0.959	NA	NA	NA
UKB PPP	TNXB	rs9267797	0.023	0.071	1.02 (0.89, 1.18)	0.744	0.959	NA	NA	NA
UKB PPP	TNFRSF19	rs61947047	-0.034	0.104	0.97 (0.79, 1.18)	0.744	0.959	NA	NA	NA
UKB PPP	CETN3	rs4873	-0.055	0.168	0.95 (0.68, 1.32)	0.744	0.959	NA	NA	NA
UKB PPP	CEMIP2	rs191912523	0.064	0.195	1.07 (0.73, 1.56)	0.744	0.959	NA	NA	NA
UKB PPP	HEBP1	rs1941	-0.078	0.239	0.93 (0.58, 1.48)	0.745	0.959	NA	NA	NA
UKB PPP	AKR1B1	rs2229542	-0.074	0.227	0.93 (0.60, 1.45)	0.746	0.959	NA	NA	NA
UKB PPP	CCL18	rs2015086	-0.017	0.053	0.98 (0.89, 1.09)	0.749	0.959	NA	NA	NA
UKB PPP	CLEC7A	rs16910526	-0.010	0.030	0.99 (0.93, 1.05)	0.750	0.959	NA	NA	NA
UKB PPP	DDC	rs12112308	-0.026	0.083	0.97 (0.83, 1.15)	0.750	0.959	NA	NA	NA
UKB PPP	RILPL2	rs186269301	-0.155	0.489	0.86 (0.33, 2.23)	0.751	0.959	NA	NA	NA
UKB PPP	LBP	rs2232613	-0.014	0.046	0.99 (0.90, 1.08)	0.752	0.959	NA	NA	NA
UKB PPP	CNDP1	rs17817077	0.027	0.086	1.03 (0.87, 1.22)	0.752	0.959	NA	NA	NA
UKB PPP	FAS	rs10887882	-0.031	0.097	0.97 (0.80, 1.17)	0.752	0.959	NA	NA	NA
UKB PPP	PRG2	rs10896615	0.085	0.269	1.09 (0.64, 1.84)	0.752	0.959	NA	NA	NA
UKB PPP	GPRC5C	rs2670824	0.071	0.224	1.07 (0.69, 1.67)	0.753	0.959	NA	NA	NA

UKB PPP	HIP1R	rs10847864	0.092	0.293	1.10 (0.62, 1.95)	0.754	0.959	NA	NA	NA
UKB PPP	CEP20	rs74009487	0.080	0.258	1.08 (0.65, 1.80)	0.755	0.959	NA	NA	NA
UKB PPP	GHR	rs4073476	0.012	0.040	1.01 (0.94, 1.10)	0.756	0.959	NA	NA	NA
UKB PPP	NUDT2	rs7848667	-0.032	0.104	0.97 (0.79, 1.19)	0.756	0.959	NA	NA	NA
UKB PPP	FCER1A	rs61828219	0.058	0.188	1.06 (0.73, 1.53)	0.756	0.959	NA	NA	NA
UKB PPP	AIF1L	rs7856365	-0.028	0.090	0.97 (0.82, 1.16)	0.757	0.959	NA	NA	NA
UKB PPP	DUSP29	rs4745762	-0.058	0.187	0.94 (0.65, 1.36)	0.757	0.959	NA	NA	NA
UKB PPP	PPL	rs61499243	0.097	0.315	1.10 (0.59, 2.04)	0.757	0.959	NA	NA	NA
UKB PPP	MUC16	rs10421318	0.140	0.452	1.15 (0.47, 2.79)	0.757	0.959	NA	NA	NA
UKB PPP	BTD	rs13078881	0.014	0.046	1.01 (0.93, 1.11)	0.759	0.959	NA	NA	NA
UKB PPP	CFB	rs641153	0.021	0.069	1.02 (0.89, 1.17)	0.760	0.959	NA	NA	NA
UKB PPP	CELA3A	rs34262568	-0.039	0.129	0.96 (0.75, 1.24)	0.760	0.959	NA	NA	NA
UKB PPP	PTGR1	rs7036102	-0.027	0.089	0.97 (0.82, 1.16)	0.761	0.959	NA	NA	NA
UKB PPP	MEP1B	rs680321	0.007	0.023	1.01 (0.96, 1.05)	0.762	0.959	NA	NA	NA
UKB PPP	SERPINA11	rs12898137	-0.013	0.043	0.99 (0.91, 1.07)	0.762	0.959	NA	NA	NA
UKB PPP	SIGLEC10	rs148783636	-0.026	0.086	0.97 (0.82, 1.15)	0.762	0.959	NA	NA	NA
UKB PPP	PKD2	rs2728104	-0.088	0.292	0.92 (0.52, 1.62)	0.762	0.959	NA	NA	NA
UKB PPP	TNFSF8	rs10081728	-0.031	0.105	0.97 (0.79, 1.19)	0.764	0.959	NA	NA	NA
UKB PPP	FKBP5	rs2817032	-0.039	0.129	0.96 (0.75, 1.24)	0.764	0.959	NA	NA	NA
UKB PPP	TYRP1	rs10960751	-0.094	0.312	0.91 (0.49, 1.68)	0.764	0.959	NA	NA	NA
UKB PPP	LZTFL1	rs1129183	0.056	0.187	1.06 (0.73, 1.53)	0.765	0.959	NA	NA	NA
UKB PPP	SAMD9L	rs17165120	-0.029	0.097	0.97 (0.80, 1.18)	0.766	0.959	NA	NA	NA
UKB PPP	FAM20A	rs2952271	0.032	0.107	1.03 (0.84, 1.27)	0.767	0.959	NA	NA	NA
UKB PPP	BAIAP2	rs9989483	0.100	0.337	1.10 (0.57, 2.14)	0.767	0.959	NA	NA	NA
UKB PPP	ACHE	rs6976053	-0.024	0.080	0.98 (0.83, 1.14)	0.768	0.959	NA	NA	NA
UKB PPP	LYZL2	rs116792212	-0.038	0.129	0.96 (0.75, 1.24)	0.768	0.959	NA	NA	NA
UKB PPP	CHGA	rs729940	0.047	0.159	1.05 (0.77, 1.43)	0.768	0.959	NA	NA	NA
UKB PPP	EFHD1	rs146096867	0.042	0.145	1.04 (0.79, 1.39)	0.769	0.959	NA	NA	NA
UKB PPP	ADD1	rs1263339	0.055	0.188	1.06 (0.73, 1.53)	0.770	0.959	NA	NA	NA
UKB PPP	APP	rs8131895	-0.104	0.358	0.90 (0.45, 1.82)	0.770	0.959	NA	NA	NA
UKB PPP	APOBR	rs149271	0.007	0.024	1.01 (0.96, 1.06)	0.771	0.959	NA	NA	NA
UKB PPP	AHSG	rs1900618	-0.011	0.039	0.99 (0.92, 1.07)	0.772	0.959	NA	NA	NA
UKB PPP	PIGR	rs291102	-0.049	0.169	0.95 (0.68, 1.33)	0.772	0.959	NA	NA	NA

UKB PPP	NFKB1	rs17032705	0.068	0.234	1.07 (0.68, 1.69)	0.772	0.959	NA	NA	NA
UKB PPP	CCL20	rs1395338	-0.079	0.273	0.92 (0.54, 1.58)	0.772	0.959	NA	NA	NA
UKB PPP	CXCL6	rs16850073	-0.014	0.049	0.99 (0.90, 1.09)	0.776	0.961	NA	NA	NA
UKB PPP	SFTPA1	rs1965708	-0.040	0.142	0.96 (0.73, 1.27)	0.777	0.961	NA	NA	NA
UKB PPP	EV15	rs11808092	0.056	0.200	1.06 (0.72, 1.57)	0.777	0.961	NA	NA	NA
UKB PPP	ACOX1	rs10852766	0.095	0.336	1.10 (0.57, 2.13)	0.777	0.961	NA	NA	NA
UKB PPP	SIRPA	rs6136377	-0.006	0.022	0.99 (0.95, 1.04)	0.778	0.961	NA	NA	NA
UKB PPP	PAM	rs149802978	-0.016	0.057	0.98 (0.88, 1.10)	0.778	0.961	NA	NA	NA
UKB PPP	SOD2	rs5746105	-0.048	0.170	0.95 (0.68, 1.33)	0.778	0.961	NA	NA	NA
UKB PPP	ACP1	rs11553746	-0.020	0.071	0.98 (0.85, 1.13)	0.779	0.961	NA	NA	NA
UKB PPP	KIF1C	rs148934699	0.146	0.519	1.16 (0.42, 3.20)	0.779	0.961	NA	NA	NA
UKB PPP	PDE5A	rs58583086	-0.044	0.159	0.96 (0.70, 1.31)	0.780	0.961	NA	NA	NA
UKB PPP	POMC	rs3754861	-0.112	0.402	0.89 (0.41, 1.97)	0.781	0.961	NA	NA	NA
UKB PPP	VSIG10	rs7307331	-0.010	0.036	0.99 (0.92, 1.06)	0.782	0.961	NA	NA	NA
UKB PPP	VNN2	rs9493425	-0.010	0.037	0.99 (0.92, 1.06)	0.782	0.961	NA	NA	NA
UKB PPP	CDH5	rs16956504	-0.041	0.149	0.96 (0.72, 1.28)	0.783	0.961	NA	NA	NA
UKB PPP	NFATC1	rs657693	-0.073	0.265	0.93 (0.55, 1.56)	0.783	0.961	NA	NA	NA
UKB PPP	LRRC37A2	rs62057151	0.008	0.029	1.01 (0.95, 1.07)	0.787	0.963	NA	NA	NA
UKB PPP	THOP1	rs2741990	0.027	0.099	1.03 (0.85, 1.25)	0.787	0.963	NA	NA	NA
UKB PPP	ACRBP	rs7959658	-0.048	0.178	0.95 (0.67, 1.35)	0.788	0.963	NA	NA	NA
UKB PPP	TBCC	rs2234026	-0.061	0.228	0.94 (0.60, 1.47)	0.788	0.963	NA	NA	NA
UKB PPP	CES3	rs71647892	0.091	0.339	1.10 (0.56, 2.13)	0.788	0.963	NA	NA	NA
UKB PPP	COQ7	rs11074359	-0.058	0.216	0.94 (0.62, 1.44)	0.789	0.963	NA	NA	NA
UKB PPP	AKT3	rs4515770	-0.122	0.456	0.89 (0.36, 2.16)	0.789	0.963	NA	NA	NA
UKB PPP	TK1	rs144204502	-0.103	0.388	0.90 (0.42, 1.93)	0.791	0.964	NA	NA	NA
UKB PPP	PON3	rs149867961	-0.027	0.102	0.97 (0.80, 1.19)	0.793	0.966	NA	NA	NA
UKB PPP	PCDH12	rs164085	0.020	0.075	1.02 (0.88, 1.18)	0.794	0.966	NA	NA	NA
UKB PPP	CRELD1	rs9878047	-0.009	0.036	0.99 (0.92, 1.06)	0.795	0.966	NA	NA	NA
UKB PPP	PLAU	rs55744193	-0.062	0.239	0.94 (0.59, 1.50)	0.795	0.966	NA	NA	NA
UKB PPP	FXYS5	rs756845	-0.020	0.077	0.98 (0.84, 1.14)	0.798	0.967	NA	NA	NA
UKB PPP	GSTP1	rs762803	0.031	0.121	1.03 (0.81, 1.31)	0.799	0.967	NA	NA	NA
UKB PPP	ADGRB3	rs3798969	0.007	0.027	1.01 (0.95, 1.06)	0.800	0.967	NA	NA	NA
UKB PPP	TSPYL1	rs61746508	-0.074	0.292	0.93 (0.52, 1.65)	0.800	0.967	NA	NA	NA

UKB PPP	CD177	rs78530667	-0.016	0.062	0.98 (0.87, 1.11)	0.801	0.967	NA	NA	NA
UKB PPP	C8B	rs626457	-0.013	0.052	0.99 (0.89, 1.09)	0.803	0.967	NA	NA	NA
UKB PPP	TGFB2	rs7538934	-0.048	0.194	0.95 (0.65, 1.39)	0.803	0.967	NA	NA	NA
UKB PPP	SERPINA3	rs61976127	-0.018	0.073	0.98 (0.85, 1.13)	0.804	0.967	NA	NA	NA
UKB PPP	SIGLEC5	rs1106476	-0.010	0.039	0.99 (0.92, 1.07)	0.806	0.967	NA	NA	NA
UKB PPP	AGRN	rs3121560	0.024	0.097	1.02 (0.85, 1.24)	0.806	0.967	NA	NA	NA
UKB PPP	WFIKKN1	rs55798945	-0.026	0.107	0.97 (0.79, 1.20)	0.806	0.967	NA	NA	NA
UKB PPP	IGDCC4	rs56362513	0.034	0.140	1.04 (0.79, 1.36)	0.806	0.967	NA	NA	NA
UKB PPP	CLEC14A	rs10151239	-0.074	0.301	0.93 (0.51, 1.68)	0.806	0.967	NA	NA	NA
UKB PPP	PARD3	rs9418120	0.089	0.362	1.09 (0.54, 2.22)	0.806	0.967	NA	NA	NA
UKB PPP	CTBS	rs79723172	0.014	0.059	1.01 (0.90, 1.14)	0.807	0.967	NA	NA	NA
UKB PPP	CFI	rs10033900	-0.029	0.119	0.97 (0.77, 1.23)	0.807	0.967	NA	NA	NA
UKB PPP	GDF15	rs1054221	-0.023	0.094	0.98 (0.81, 1.17)	0.808	0.967	NA	NA	NA
UKB PPP	ZBP1	rs45521631	-0.038	0.158	0.96 (0.71, 1.31)	0.808	0.967	NA	NA	NA
UKB PPP	FOXO1	rs17061453	0.064	0.264	1.07 (0.64, 1.79)	0.808	0.967	NA	NA	NA
UKB PPP	MAPKAPK2	rs11119390	-0.043	0.178	0.96 (0.68, 1.36)	0.810	0.968	NA	NA	NA
UKB PPP	ADGRE1	rs59055395	0.024	0.101	1.02 (0.84, 1.25)	0.812	0.969	NA	NA	NA
UKB PPP	SCARF1	rs2272011	0.016	0.067	1.02 (0.89, 1.16)	0.813	0.969	NA	NA	NA
UKB PPP	THBS4	rs2438632	0.025	0.104	1.02 (0.84, 1.26)	0.813	0.969	NA	NA	NA
UKB PPP	HSPB1	rs707236	0.011	0.047	1.01 (0.92, 1.11)	0.814	0.969	NA	NA	NA
UKB PPP	TNFSF13	rs3803800	0.022	0.096	1.02 (0.85, 1.23)	0.814	0.969	NA	NA	NA
UKB PPP	VSIG10L	rs1035454	0.028	0.122	1.03 (0.81, 1.31)	0.816	0.969	NA	NA	NA
UKB PPP	HCLS1	rs3732410	-0.072	0.310	0.93 (0.51, 1.71)	0.817	0.969	NA	NA	NA
UKB PPP	RET	rs2744077	0.017	0.075	1.02 (0.88, 1.18)	0.818	0.969	NA	NA	NA
UKB PPP	ITIH1	rs678	-0.043	0.185	0.96 (0.67, 1.38)	0.818	0.969	NA	NA	NA
UKB PPP	GIT1	rs142511067	-0.118	0.513	0.89 (0.33, 2.43)	0.818	0.969	NA	NA	NA
UKB PPP	F12	rs1801020	0.006	0.026	1.01 (0.96, 1.06)	0.819	0.969	NA	NA	NA
UKB PPP	F10	rs547138	0.037	0.163	1.04 (0.75, 1.43)	0.819	0.969	NA	NA	NA
UKB PPP	OBP2B	rs4962104	-0.010	0.042	0.99 (0.91, 1.08)	0.821	0.969	NA	NA	NA
UKB PPP	BCAT1	rs11047639	-0.022	0.098	0.98 (0.81, 1.19)	0.821	0.969	NA	NA	NA
UKB PPP	APOD	rs139828053	-0.045	0.200	0.96 (0.65, 1.41)	0.821	0.969	NA	NA	NA
UKB PPP	IL1RAP	rs6444442	0.006	0.025	1.01 (0.96, 1.06)	0.822	0.969	NA	NA	NA
UKB PPP	MDH1	rs71422399	0.068	0.303	1.07 (0.59, 1.94)	0.823	0.969	NA	NA	NA

UKB PPP	ARHGEF10	rs13281104	-0.022	0.098	0.98 (0.81, 1.19)	0.824	0.969	NA	NA	NA
UKB PPP	CRELD2	rs74510325	0.022	0.100	1.02 (0.84, 1.24)	0.824	0.969	NA	NA	NA
UKB PPP	VWA1	rs115503338	0.029	0.130	1.03 (0.80, 1.33)	0.824	0.969	NA	NA	NA
UKB PPP	KAZALD1	rs11190812	-0.009	0.039	0.99 (0.92, 1.07)	0.825	0.969	NA	NA	NA
UKB PPP	GLRX5	rs179133	0.046	0.209	1.05 (0.69, 1.58)	0.825	0.969	NA	NA	NA
UKB PPP	CXCL14	rs13171268	0.079	0.361	1.08 (0.53, 2.20)	0.826	0.969	NA	NA	NA
UKB PPP	ENTR1	rs11145904	0.026	0.118	1.03 (0.81, 1.29)	0.828	0.971	NA	NA	NA
UKB PPP	PEPD	rs17569	0.015	0.071	1.02 (0.88, 1.17)	0.830	0.972	NA	NA	NA
UKB PPP	OXT	rs877172	-0.010	0.047	0.99 (0.90, 1.09)	0.831	0.973	NA	NA	NA
UKB PPP	TPPP3	rs13334364	-0.082	0.392	0.92 (0.43, 1.98)	0.834	0.974	NA	NA	NA
UKB PPP	CPA2	rs6952090	-0.016	0.076	0.98 (0.85, 1.14)	0.835	0.974	NA	NA	NA
UKB PPP	CRYBB1	rs4822754	0.033	0.158	1.03 (0.76, 1.41)	0.837	0.974	NA	NA	NA
UKB PPP	IL17C	rs17700884	0.044	0.214	1.05 (0.69, 1.59)	0.837	0.974	NA	NA	NA
UKB PPP	EIF2AK3	rs6547787	-0.045	0.217	0.96 (0.62, 1.46)	0.837	0.974	NA	NA	NA
UKB PPP	MSMB	rs10993994	-0.006	0.028	0.99 (0.94, 1.05)	0.840	0.974	NA	NA	NA
UKB PPP	SHMT1	rs669340	-0.008	0.038	0.99 (0.92, 1.07)	0.840	0.974	NA	NA	NA
UKB PPP	WIF1	rs462010	-0.027	0.131	0.97 (0.75, 1.26)	0.840	0.974	NA	NA	NA
UKB PPP	GNPDA1	rs11949303	-0.062	0.305	0.94 (0.52, 1.71)	0.840	0.974	NA	NA	NA
UKB PPP	FIS1	rs7778271	0.034	0.168	1.03 (0.74, 1.44)	0.841	0.974	NA	NA	NA
UKB PPP	CNTN2	rs2071533	0.006	0.032	1.01 (0.95, 1.07)	0.843	0.974	NA	NA	NA
UKB PPP	TRIM40	rs3815079	0.029	0.145	1.03 (0.77, 1.37)	0.843	0.974	NA	NA	NA
UKB PPP	SORD	rs56060952	-0.045	0.229	0.96 (0.61, 1.50)	0.843	0.974	NA	NA	NA
UKB PPP	FABP9	rs28497692	-0.068	0.344	0.93 (0.48, 1.83)	0.843	0.974	NA	NA	NA
UKB PPP	RARRES1	rs6441224	-0.010	0.054	0.99 (0.89, 1.10)	0.845	0.974	NA	NA	NA
UKB PPP	PZP	rs7311982	-0.016	0.081	0.98 (0.84, 1.15)	0.845	0.974	NA	NA	NA
UKB PPP	FAP	rs4664454	0.024	0.125	1.02 (0.80, 1.31)	0.845	0.974	NA	NA	NA
UKB PPP	COL28A1	rs7810134	-0.006	0.033	0.99 (0.93, 1.06)	0.846	0.974	NA	NA	NA
UKB PPP	SPRR3	rs61811427	0.020	0.105	1.02 (0.83, 1.25)	0.846	0.974	NA	NA	NA
UKB PPP	DHRS4L2	rs146691898	-0.022	0.112	0.98 (0.79, 1.22)	0.846	0.974	NA	NA	NA
UKB PPP	GPR15L	rs4399275	-0.024	0.126	0.98 (0.76, 1.25)	0.846	0.974	NA	NA	NA
UKB PPP	APPL2	rs10778371	0.038	0.196	1.04 (0.71, 1.53)	0.846	0.974	NA	NA	NA
UKB PPP	NECTIN4	rs35434391	0.018	0.092	1.02 (0.85, 1.22)	0.848	0.975	NA	NA	NA
UKB PPP	LRCH4	rs56328569	-0.076	0.401	0.93 (0.42, 2.03)	0.849	0.975	NA	NA	NA

UKB PPP	CD46	rs1970530	0.053	0.279	1.05 (0.61, 1.82)	0.850	0.975	NA	NA	NA
UKB PPP	CANT1	rs17739056	-0.035	0.186	0.97 (0.67, 1.39)	0.852	0.977	NA	NA	NA
UKB PPP	TNC	rs7021057	0.020	0.109	1.02 (0.82, 1.26)	0.853	0.978	NA	NA	NA
UKB PPP	ENTPD5	rs146086623	-0.010	0.053	0.99 (0.89, 1.10)	0.855	0.979	NA	NA	NA
UKB PPP	MPO	rs34097845	0.025	0.138	1.03 (0.78, 1.34)	0.856	0.979	NA	NA	NA
UKB PPP	LEG1	rs1550942	0.012	0.066	1.01 (0.89, 1.15)	0.858	0.979	NA	NA	NA
UKB PPP	CFHR5	rs72732234	0.018	0.099	1.02 (0.84, 1.23)	0.858	0.979	NA	NA	NA
UKB PPP	ERBB4	rs6735267	-0.023	0.128	0.98 (0.76, 1.26)	0.858	0.979	NA	NA	NA
UKB PPP	JAM3	rs94499	0.048	0.267	1.05 (0.62, 1.77)	0.858	0.979	NA	NA	NA
UKB PPP	HDDC2	rs73581685	0.007	0.037	1.01 (0.94, 1.08)	0.859	0.979	NA	NA	NA
UKB PPP	IMPA1	rs2400589	-0.022	0.126	0.98 (0.76, 1.25)	0.860	0.979	NA	NA	NA
UKB PPP	PI16	rs62406524	-0.019	0.107	0.98 (0.80, 1.21)	0.861	0.979	NA	NA	NA
UKB PPP	C1R	rs10849546	-0.013	0.078	0.99 (0.85, 1.15)	0.863	0.981	NA	NA	NA
UKB PPP	IFNLR1	rs139958347	0.018	0.106	1.02 (0.83, 1.25)	0.863	0.981	NA	NA	NA
UKB PPP	PCDHB15	rs2740584	-0.012	0.070	0.99 (0.86, 1.13)	0.864	0.981	NA	NA	NA
UKB PPP	IL32	rs45499297	-0.024	0.140	0.98 (0.74, 1.28)	0.864	0.981	NA	NA	NA
UKB PPP	YES1	rs2741189	-0.061	0.363	0.94 (0.46, 1.92)	0.866	0.982	NA	NA	NA
UKB PPP	LGALS7_LGALS7B	rs6508818	-0.019	0.115	0.98 (0.78, 1.23)	0.868	0.982	NA	NA	NA
UKB PPP	CPOX	rs1729988	0.038	0.231	1.04 (0.66, 1.63)	0.868	0.982	NA	NA	NA
UKB PPP	TFF1	rs3761376	-0.016	0.097	0.98 (0.81, 1.19)	0.869	0.982	NA	NA	NA
UKB PPP	IL1RL2	rs3917265	0.009	0.056	1.01 (0.90, 1.13)	0.870	0.982	NA	NA	NA
UKB PPP	COL15A1	rs10819566	0.022	0.135	1.02 (0.78, 1.33)	0.870	0.982	NA	NA	NA
UKB PPP	GZMH	rs190749747	-0.038	0.229	0.96 (0.61, 1.51)	0.870	0.982	NA	NA	NA
UKB PPP	CLEC3B	rs13065490	0.020	0.124	1.02 (0.80, 1.30)	0.871	0.982	NA	NA	NA
UKB PPP	BPIFB1	rs2424963	-0.010	0.060	0.99 (0.88, 1.11)	0.872	0.982	NA	NA	NA
UKB PPP	TBCA	rs254415	0.032	0.201	1.03 (0.70, 1.53)	0.873	0.983	NA	NA	NA
UKB PPP	ROBO1	rs3773244	-0.021	0.130	0.98 (0.76, 1.26)	0.874	0.983	NA	NA	NA
UKB PPP	FBN2	rs78821460	-0.013	0.084	0.99 (0.84, 1.16)	0.875	0.983	NA	NA	NA
UKB PPP	SLMAP	rs1354034	0.055	0.353	1.06 (0.53, 2.11)	0.876	0.984	NA	NA	NA
UKB PPP	GSTA3	rs2749005	-0.013	0.082	0.99 (0.84, 1.16)	0.877	0.984	NA	NA	NA
UKB PPP	TNFSF11	rs2062305	-0.035	0.226	0.97 (0.62, 1.50)	0.877	0.984	NA	NA	NA
UKB PPP	ISLR2	rs34868798	-0.019	0.122	0.98 (0.77, 1.25)	0.879	0.985	NA	NA	NA
UKB PPP	CAMKK1	rs753513	0.016	0.106	1.02 (0.82, 1.25)	0.882	0.987	NA	NA	NA

UKB PPP	CD72	rs869487	0.027	0.182	1.03 (0.72, 1.47)	0.882	0.987	NA	NA	NA
UKB PPP	NCAN	rs3761077	-0.025	0.172	0.97 (0.70, 1.36)	0.883	0.987	NA	NA	NA
UKB PPP	RPE	rs2723211	0.063	0.431	1.07 (0.46, 2.48)	0.883	0.987	NA	NA	NA
UKB PPP	TIE1	rs4660729	0.019	0.131	1.02 (0.79, 1.32)	0.886	0.988	NA	NA	NA
UKB PPP	SPINT2	rs45437199	0.024	0.168	1.02 (0.74, 1.42)	0.886	0.988	NA	NA	NA
UKB PPP	COL6A3	rs1050785	0.044	0.304	1.04 (0.58, 1.90)	0.886	0.988	NA	NA	NA
UKB PPP	PNLIPRP2	rs4751995	-0.003	0.022	1.00 (0.96, 1.04)	0.887	0.988	NA	NA	NA
UKB PPP	IGF2R	rs2282140	-0.009	0.066	0.99 (0.87, 1.13)	0.888	0.988	NA	NA	NA
UKB PPP	PLA2G1B	rs11065078	-0.063	0.447	0.94 (0.39, 2.26)	0.888	0.988	NA	NA	NA
UKB PPP	IL1RN	rs55709272	-0.016	0.115	0.98 (0.79, 1.23)	0.890	0.989	NA	NA	NA
UKB PPP	SPAG1	rs2439461	0.005	0.034	1.00 (0.94, 1.07)	0.893	0.990	NA	NA	NA
UKB PPP	NFKBIE	rs28362856	-0.017	0.127	0.98 (0.77, 1.26)	0.893	0.990	NA	NA	NA
UKB PPP	SERPINA1	rs17580	0.023	0.170	1.02 (0.73, 1.43)	0.893	0.990	NA	NA	NA
UKB PPP	IDUA	rs3796622	-0.007	0.050	0.99 (0.90, 1.09)	0.894	0.990	NA	NA	NA
UKB PPP	BST2	rs8101243	0.026	0.192	1.03 (0.70, 1.49)	0.894	0.990	NA	NA	NA
UKB PPP	TYRO3	rs8024626	0.006	0.042	1.01 (0.93, 1.09)	0.895	0.990	NA	NA	NA
UKB PPP	ARHGAP45	rs34593562	-0.049	0.371	0.95 (0.46, 1.97)	0.895	0.990	NA	NA	NA
UKB PPP	ADAM8	rs2995310	-0.007	0.056	0.99 (0.89, 1.11)	0.896	0.990	NA	NA	NA
UKB PPP	EHD3	rs592039	0.020	0.156	1.02 (0.75, 1.39)	0.897	0.990	NA	NA	NA
UKB PPP	F2R	rs168753	0.030	0.237	1.03 (0.65, 1.64)	0.898	0.990	NA	NA	NA
UKB PPP	CTRL	rs20549	0.048	0.373	1.05 (0.50, 2.18)	0.898	0.990	NA	NA	NA
UKB PPP	NUDT5	rs10508438	0.054	0.418	1.06 (0.47, 2.39)	0.898	0.990	NA	NA	NA
UKB PPP	SMOC1	rs1958078	0.012	0.095	1.01 (0.84, 1.22)	0.900	0.991	NA	NA	NA
UKB PPP	STK4	rs2299978	-0.056	0.457	0.95 (0.39, 2.32)	0.902	0.992	NA	NA	NA
UKB PPP	ASGR1	rs55714927	0.022	0.183	1.02 (0.71, 1.46)	0.903	0.993	NA	NA	NA
UKB PPP	CEP43	rs2237276	0.046	0.386	1.05 (0.49, 2.23)	0.905	0.993	NA	NA	NA
UKB PPP	TCN1	rs34324219	0.007	0.062	1.01 (0.89, 1.14)	0.908	0.993	NA	NA	NA
UKB PPP	CD22	rs10411704	-0.012	0.108	0.99 (0.80, 1.22)	0.910	0.993	NA	NA	NA
UKB PPP	IGFBP6	rs822688	0.032	0.284	1.03 (0.59, 1.80)	0.911	0.993	NA	NA	NA
UKB PPP	CTRC	rs497078	-0.008	0.076	0.99 (0.85, 1.15)	0.912	0.993	NA	NA	NA
UKB PPP	SPINK6	rs12717962	0.009	0.082	1.01 (0.86, 1.18)	0.913	0.993	NA	NA	NA
UKB PPP	SFTPD	rs721917	-0.004	0.034	1.00 (0.93, 1.07)	0.914	0.993	NA	NA	NA
UKB PPP	PVR	rs2301274	-0.004	0.036	1.00 (0.93, 1.07)	0.914	0.993	NA	NA	NA

UKB PPP	DPP6	rs3734960	0.012	0.111	1.01 (0.81, 1.26)	0.914	0.993	NA	NA	NA
UKB PPP	NID1	rs76183323	0.020	0.187	1.02 (0.71, 1.47)	0.915	0.993	NA	NA	NA
UKB PPP	TIMP3	rs5749504	-0.004	0.042	1.00 (0.92, 1.08)	0.916	0.993	NA	NA	NA
UKB PPP	SFTPA2	rs17886395	0.005	0.046	1.00 (0.92, 1.10)	0.916	0.993	NA	NA	NA
UKB PPP	PECR	rs10197542	-0.010	0.092	0.99 (0.83, 1.19)	0.916	0.993	NA	NA	NA
UKB PPP	FCN2	rs7041446	0.004	0.040	1.00 (0.93, 1.09)	0.917	0.993	NA	NA	NA
UKB PPP	ANXA2	rs8033800	-0.006	0.056	0.99 (0.89, 1.11)	0.917	0.993	NA	NA	NA
UKB PPP	HYAL1	rs116482870	-0.011	0.103	0.99 (0.81, 1.21)	0.917	0.993	NA	NA	NA
UKB PPP	BST1	rs2302465	-0.003	0.026	1.00 (0.95, 1.05)	0.918	0.993	NA	NA	NA
UKB PPP	STX7	rs3813356	0.004	0.043	1.00 (0.92, 1.09)	0.918	0.993	NA	NA	NA
UKB PPP	MFGE8	rs34239095	0.008	0.076	1.01 (0.87, 1.17)	0.918	0.993	NA	NA	NA
UKB PPP	AREG	rs1691273	-0.017	0.170	0.98 (0.70, 1.37)	0.918	0.993	NA	NA	NA
UKB PPP	KLK10	rs2569454	0.004	0.044	1.00 (0.92, 1.09)	0.920	0.993	NA	NA	NA
UKB PPP	RBP2	rs295469	0.038	0.383	1.04 (0.49, 2.20)	0.920	0.993	NA	NA	NA
UKB PPP	DSC2	rs4799305	-0.011	0.109	0.99 (0.80, 1.23)	0.921	0.993	NA	NA	NA
UKB PPP	APOA2	rs4073054	0.037	0.374	1.04 (0.50, 2.16)	0.921	0.993	NA	NA	NA
UKB PPP	ECHDC3	rs72781910	0.005	0.047	1.00 (0.92, 1.10)	0.922	0.993	NA	NA	NA
UKB PPP	SERPINA4	rs5511	0.005	0.049	1.00 (0.91, 1.11)	0.923	0.993	NA	NA	NA
UKB PPP	TIMP4	rs184262	-0.007	0.075	0.99 (0.86, 1.15)	0.924	0.993	NA	NA	NA
UKB PPP	DNAJA4	rs11635166	0.020	0.214	1.02 (0.67, 1.55)	0.924	0.993	NA	NA	NA
UKB PPP	NT5C3A	rs10252880	0.023	0.241	1.02 (0.64, 1.64)	0.924	0.993	NA	NA	NA
UKB PPP	SESTD1	rs10170520	0.024	0.252	1.02 (0.63, 1.68)	0.924	0.993	NA	NA	NA
UKB PPP	LCAT	rs4986970	-0.023	0.246	0.98 (0.60, 1.58)	0.925	0.993	NA	NA	NA
UKB PPP	CTSC	rs11600158	0.004	0.043	1.00 (0.92, 1.09)	0.926	0.994	NA	NA	NA
UKB PPP	CSF2	rs25882	-0.012	0.132	0.99 (0.76, 1.28)	0.926	0.994	NA	NA	NA
UKB PPP	CLEC5A	rs6962383	-0.008	0.094	0.99 (0.82, 1.19)	0.929	0.995	NA	NA	NA
UKB PPP	CD79B	rs12946669	-0.013	0.152	0.99 (0.73, 1.33)	0.929	0.995	NA	NA	NA
UKB PPP	FUT8	rs2127870	-0.003	0.032	1.00 (0.94, 1.06)	0.930	0.995	NA	NA	NA
UKB PPP	FAM3B	rs57529409	0.004	0.051	1.00 (0.91, 1.11)	0.931	0.995	NA	NA	NA
UKB PPP	ROR1	rs6588083	0.007	0.082	1.01 (0.86, 1.18)	0.931	0.995	NA	NA	NA
UKB PPP	TRIM5	rs11821656	0.008	0.095	1.01 (0.84, 1.21)	0.932	0.995	NA	NA	NA
UKB PPP	B4GALT1	rs7019909	0.011	0.124	1.01 (0.79, 1.29)	0.932	0.995	NA	NA	NA
UKB PPP	CASP8	rs34841024	0.010	0.116	1.01 (0.80, 1.27)	0.933	0.995	NA	NA	NA

UKB PPP	EFNA1	rs4390169	0.006	0.077	1.01 (0.87, 1.17)	0.934	0.995	NA	NA	NA
UKB PPP	CERT	rs10942737	-0.038	0.457	0.96 (0.39, 2.36)	0.934	0.995	NA	NA	NA
UKB PPP	CEACAM19	rs62119322	0.012	0.152	1.01 (0.75, 1.36)	0.938	0.997	NA	NA	NA
UKB PPP	TFRC	rs3817672	0.004	0.050	1.00 (0.91, 1.11)	0.939	0.997	NA	NA	NA
UKB PPP	CD38	rs6449182	-0.005	0.071	0.99 (0.87, 1.14)	0.939	0.997	NA	NA	NA
UKB PPP	FCER2	rs2277989	-0.007	0.085	0.99 (0.84, 1.17)	0.939	0.997	NA	NA	NA
UKB PPP	ITGB7	rs12232003	-0.020	0.268	0.98 (0.58, 1.66)	0.939	0.997	NA	NA	NA
UKB PPP	COL18A1	rs9976834	-0.013	0.174	0.99 (0.70, 1.39)	0.940	0.997	NA	NA	NA
UKB PPP	PPM1F	rs5750281	-0.037	0.502	0.96 (0.36, 2.58)	0.941	0.997	NA	NA	NA
UKB PPP	TNFRSF10A	rs13278062	-0.006	0.083	0.99 (0.84, 1.17)	0.942	0.997	NA	NA	NA
UKB PPP	DNMBP	rs7069556	0.017	0.233	1.02 (0.64, 1.61)	0.943	0.997	NA	NA	NA
UKB PPP	SERPINI1	rs11717419	-0.005	0.067	1.00 (0.87, 1.14)	0.944	0.997	NA	NA	NA
UKB PPP	ATP5IF1	rs510379	-0.016	0.228	0.98 (0.63, 1.54)	0.944	0.997	NA	NA	NA
UKB PPP	MIF	rs2330634	-0.016	0.229	0.98 (0.63, 1.54)	0.946	0.997	NA	NA	NA
UKB PPP	PLB1	rs6753929	-0.002	0.032	1.00 (0.94, 1.06)	0.947	0.997	NA	NA	NA
UKB PPP	PTPRH	rs2288523	0.003	0.041	1.00 (0.93, 1.09)	0.948	0.997	NA	NA	NA
UKB PPP	GSTA1	rs6458871	0.005	0.085	1.01 (0.85, 1.19)	0.949	0.997	NA	NA	NA
UKB PPP	TXNDC15	rs3733897	-0.002	0.031	1.00 (0.94, 1.06)	0.950	0.997	NA	NA	NA
UKB PPP	CST6	rs12577165	0.009	0.146	1.01 (0.76, 1.34)	0.950	0.997	NA	NA	NA
UKB PPP	IL34	rs4985556	0.002	0.039	1.00 (0.93, 1.08)	0.951	0.997	NA	NA	NA
UKB PPP	SSC5D	rs55799523	0.004	0.058	1.00 (0.89, 1.13)	0.952	0.997	NA	NA	NA
UKB PPP	ACP5	rs2305799	0.005	0.080	1.00 (0.86, 1.17)	0.952	0.997	NA	NA	NA
UKB PPP	TNFRSF10B	rs1105944	-0.005	0.079	1.00 (0.85, 1.16)	0.953	0.997	NA	NA	NA
UKB PPP	INSL5	rs11809759	0.008	0.141	1.01 (0.76, 1.33)	0.953	0.997	NA	NA	NA
UKB PPP	BAP18	rs8065014	0.023	0.411	1.02 (0.46, 2.29)	0.955	0.997	NA	NA	NA
UKB PPP	CPQ	rs148684432	0.005	0.089	1.00 (0.84, 1.20)	0.956	0.997	NA	NA	NA
UKB PPP	ITGA6	rs6714597	-0.006	0.125	0.99 (0.78, 1.27)	0.958	0.997	NA	NA	NA
UKB PPP	TEF	rs4822027	-0.019	0.356	0.98 (0.49, 1.97)	0.958	0.997	NA	NA	NA
UKB PPP	ICOSLG	rs6518352	0.004	0.073	1.00 (0.87, 1.16)	0.959	0.997	NA	NA	NA
UKB PPP	DDX58	rs1133071	0.005	0.093	1.00 (0.84, 1.21)	0.959	0.997	NA	NA	NA
UKB PPP	PXDNL	rs7833909	-0.006	0.107	0.99 (0.81, 1.23)	0.959	0.997	NA	NA	NA
UKB PPP	IL12B	rs4244437	-0.002	0.046	1.00 (0.91, 1.09)	0.960	0.997	NA	NA	NA
UKB PPP	IL12A_IL12B	rs4244437	-0.002	0.048	1.00 (0.91, 1.10)	0.960	0.997	NA	NA	NA

UKB PPP	RGMB	rs56870134	-0.007	0.142	0.99 (0.75, 1.31)	0.961	0.997	NA	NA	NA
UKB PPP	MCAM	rs34587557	0.013	0.262	1.01 (0.61, 1.69)	0.961	0.997	NA	NA	NA
UKB PPP	BAG3	rs35434411	0.020	0.418	1.02 (0.45, 2.32)	0.961	0.997	NA	NA	NA
UKB PPP	B4GAT1	rs10896113	0.004	0.092	1.00 (0.84, 1.20)	0.962	0.997	NA	NA	NA
UKB PPP	RWDD1	rs147899431	0.010	0.225	1.01 (0.65, 1.57)	0.963	0.997	NA	NA	NA
UKB PPP	ANGPTL4	rs2278236	-0.004	0.087	1.00 (0.84, 1.18)	0.964	0.997	NA	NA	NA
UKB PPP	C1QL2	rs34475538	-0.005	0.112	0.99 (0.80, 1.24)	0.964	0.997	NA	NA	NA
UKB PPP	HEXIM1	rs36160143	0.017	0.381	1.02 (0.48, 2.15)	0.965	0.997	NA	NA	NA
UKB PPP	CTSB	rs709821	-0.002	0.048	1.00 (0.91, 1.10)	0.966	0.997	NA	NA	NA
UKB PPP	ACADSB	rs7913063	-0.005	0.119	0.99 (0.79, 1.26)	0.966	0.997	NA	NA	NA
UKB PPP	ACAN	rs4932196	0.010	0.238	1.01 (0.63, 1.61)	0.967	0.997	NA	NA	NA
UKB PPP	TOP2B	rs3806631	-0.014	0.344	0.99 (0.50, 1.93)	0.967	0.997	NA	NA	NA
UKB PPP	SMPDL3A	rs28385609	0.001	0.037	1.00 (0.93, 1.08)	0.968	0.997	NA	NA	NA
UKB PPP	CHGB	rs236153	-0.002	0.042	1.00 (0.92, 1.08)	0.969	0.997	NA	NA	NA
UKB PPP	LGALS4	rs140695578	0.013	0.319	1.01 (0.54, 1.89)	0.969	0.997	NA	NA	NA
UKB PPP	PADI2	rs2235913	-0.008	0.215	0.99 (0.65, 1.51)	0.970	0.997	NA	NA	NA
UKB PPP	CDH15	rs11646135	0.003	0.081	1.00 (0.86, 1.18)	0.971	0.997	NA	NA	NA
UKB PPP	ACYP1	rs75948138	0.007	0.191	1.01 (0.69, 1.46)	0.971	0.997	NA	NA	NA
UKB PPP	TGFB1	rs73045269	-0.005	0.127	1.00 (0.78, 1.28)	0.972	0.997	NA	NA	NA
UKB PPP	AMIGO2	rs215384	-0.006	0.160	0.99 (0.73, 1.36)	0.972	0.997	NA	NA	NA
UKB PPP	USP8	rs4380013	0.012	0.339	1.01 (0.52, 1.97)	0.972	0.997	NA	NA	NA
UKB PPP	LILRA6	rs11668526	-0.001	0.035	1.00 (0.93, 1.07)	0.974	0.997	NA	NA	NA
UKB PPP	PRRT3	rs55847233	-0.005	0.144	1.00 (0.75, 1.32)	0.974	0.997	NA	NA	NA
UKB PPP	ADAMTS4	rs4656993	-0.007	0.211	0.99 (0.66, 1.50)	0.974	0.997	NA	NA	NA
UKB PPP	SNCG	rs873110	0.001	0.027	1.00 (0.95, 1.06)	0.975	0.997	NA	NA	NA
UKB PPP	CLPS	rs2766588	0.001	0.046	1.00 (0.92, 1.10)	0.975	0.997	NA	NA	NA
UKB PPP	DNER	rs34412673	-0.003	0.094	1.00 (0.83, 1.20)	0.976	0.997	NA	NA	NA
UKB PPP	PGLYRP1	rs2072563	0.002	0.092	1.00 (0.84, 1.20)	0.979	0.997	NA	NA	NA
UKB PPP	SEZ6L2	rs113443718	0.004	0.170	1.00 (0.72, 1.40)	0.980	0.997	NA	NA	NA
UKB PPP	CLIC5	rs2022423	0.006	0.238	1.01 (0.63, 1.60)	0.981	0.997	NA	NA	NA
UKB PPP	MAVS	rs45437096	0.007	0.312	1.01 (0.55, 1.86)	0.981	0.997	NA	NA	NA
UKB PPP	CD58	rs10801908	-0.003	0.144	1.00 (0.75, 1.32)	0.983	0.997	NA	NA	NA
UKB PPP	GSTT2B	rs5751777	4.82E-04	0.024	1.00 (0.95, 1.05)	0.984	0.997	NA	NA	NA

UKB PPP	IL10RA	rs3135932	-0.004	0.186	1.00 (0.69, 1.44)	0.984	0.997	NA	NA	NA
UKB PPP	AMPD3	rs117706710	-0.002	0.099	1.00 (0.82, 1.21)	0.985	0.997	NA	NA	NA
UKB PPP	M6PR	rs4883201	0.002	0.147	1.00 (0.75, 1.34)	0.986	0.997	NA	NA	NA
UKB PPP	ART5	rs75902876	-0.003	0.181	1.00 (0.70, 1.42)	0.986	0.997	NA	NA	NA
UKB PPP	PFKFB2	rs1560	-0.002	0.134	1.00 (0.77, 1.30)	0.987	0.997	NA	NA	NA
UKB PPP	STX8	rs8077500	-0.005	0.305	1.00 (0.55, 1.81)	0.987	0.997	NA	NA	NA
UKB PPP	IGHMBP2	rs11228377	0.005	0.318	1.01 (0.54, 1.88)	0.987	0.997	NA	NA	NA
UKB PPP	IGSF9	rs3747617	-0.002	0.123	1.00 (0.78, 1.27)	0.988	0.997	NA	NA	NA
UKB PPP	SUMF2	rs35384521	0.001	0.079	1.00 (0.86, 1.17)	0.989	0.997	NA	NA	NA
UKB PPP	MDGA1	rs9349050	-2.78E-04	0.023	1.00 (0.96, 1.05)	0.990	0.997	NA	NA	NA
UKB PPP	KLKB1	rs4253306	0.001	0.072	1.00 (0.87, 1.15)	0.990	0.997	NA	NA	NA
UKB PPP	KDR	rs34231037	-0.001	0.082	1.00 (0.85, 1.17)	0.990	0.997	NA	NA	NA
UKB PPP	ADGRE2	rs7251607	0.001	0.107	1.00 (0.81, 1.24)	0.990	0.997	NA	NA	NA
UKB PPP	TGOLN2	rs4247303	-4.20E-04	0.035	1.00 (0.93, 1.07)	0.991	0.997	NA	NA	NA
UKB PPP	CLEC10A	rs90951	-0.001	0.049	1.00 (0.91, 1.10)	0.991	0.997	NA	NA	NA
UKB PPP	QPCT	rs4670696	-0.001	0.102	1.00 (0.82, 1.22)	0.991	0.997	NA	NA	NA
UKB PPP	KYNU	rs78189771	0.001	0.111	1.00 (0.81, 1.24)	0.991	0.997	NA	NA	NA
UKB PPP	IL7R	rs6897932	3.38E-04	0.032	1.00 (0.94, 1.07)	0.992	0.997	NA	NA	NA
UKB PPP	PDIA4	rs6953222	-0.003	0.285	1.00 (0.57, 1.74)	0.993	0.997	NA	NA	NA
UKB PPP	KLK12	rs3745540	-1.71E-04	0.022	1.00 (0.96, 1.04)	0.994	0.997	NA	NA	NA
UKB PPP	PADI4	rs2240336	0.001	0.096	1.00 (0.83, 1.21)	0.994	0.997	NA	NA	NA
UKB PPP	CPA1	rs13226219	-0.001	0.145	1.00 (0.75, 1.33)	0.996	0.998	NA	NA	NA
UKB PPP	INHBC	rs3741414	1.52E-04	0.044	1.00 (0.92, 1.09)	0.997	0.998	NA	NA	NA
UKB PPP	PDIA5	rs3804749	-4.01E-04	0.103	1.00 (0.82, 1.22)	0.997	0.998	NA	NA	NA
UKB PPP	THPO	rs6141	-0.002	0.403	1.00 (0.45, 2.20)	0.997	0.998	NA	NA	NA
UKB PPP	CD7	rs3176831	-8.84E-05	0.063	1.00 (0.88, 1.13)	0.999	0.999	NA	NA	NA
INTERVAL	MMP-12	rs28381684	-0.217	0.046	0.80 (0.73, 0.88)	2.81E-06	0.001	NA	NA	96.2%
INTERVAL	ESAM	rs11219769	-0.439	0.132	0.64 (0.50, 0.83)	0.001	0.216	NA	NA	NA
INTERVAL	Cyclin H	rs2230641	-0.412	0.134	0.66 (0.51, 0.86)	0.002	0.341	NA	NA	NA
INTERVAL	EGF	rs11568972	-0.282	0.102	0.75 (0.62, 0.92)	0.006	0.531	NA	NA	NA
INTERVAL	CA2D3	rs34084772	0.432	0.159	1.54 (1.13, 2.10)	0.007	0.531	NA	NA	NA
INTERVAL	N-terminal pro-BNP	rs198389	-0.227	0.089	0.80 (0.67, 0.95)	0.010	0.531	NA	NA	NA
INTERVAL	SECTM1	rs4789763	0.225	0.092	1.25 (1.05, 1.50)	0.015	0.531	NA	NA	NA

INTERVAL	Ribonuclease UK114	rs1462977	0.195	0.081	1.22 (1.04, 1.42)	0.016	0.531	NA	NA	NA
INTERVAL	CBPZ	rs2631738	0.318	0.132	1.37 (1.06, 1.78)	0.016	0.531	NA	NA	NA
INTERVAL	Laminin	rs4129858	-0.204	0.086	0.82 (0.69, 0.97)	0.018	0.531	NA	NA	NA
INTERVAL	FSTL1	rs1147707	-0.332	0.140	0.72 (0.55, 0.94)	0.018	0.531	NA	NA	NA
INTERVAL	IL-18 Ra	rs2001461	0.100	0.043	1.11 (1.02, 1.20)	0.019	0.531	NA	NA	NA
INTERVAL	OSMR	rs357253	0.339	0.148	1.40 (1.05, 1.88)	0.021	0.531	NA	NA	NA
INTERVAL	Laminin gamma-2	rs2276543	0.103	0.045	1.11 (1.02, 1.21)	0.022	0.531	NA	NA	NA
INTERVAL	CRLD2	rs12921670	0.282	0.123	1.33 (1.04, 1.69)	0.022	0.531	NA	NA	NA
INTERVAL	sICAM-5	rs281439	-0.073	0.032	0.93 (0.87, 0.99)	0.024	0.531	NA	NA	NA
INTERVAL	sICAM-5	rs281439	-0.091	0.040	0.91 (0.84, 0.99)	0.024	0.531	NA	NA	NA
INTERVAL	FCRL3	rs7528684	0.107	0.048	1.11 (1.01, 1.22)	0.025	0.531	NA	NA	NA
INTERVAL	LEPR	rs3790438	0.053	0.024	1.05 (1.01, 1.10)	0.026	0.531	NA	NA	NA
INTERVAL	MIA	rs2604877	0.075	0.034	1.08 (1.01, 1.15)	0.026	0.531	NA	NA	NA
INTERVAL	TIMD3	rs6874178	0.094	0.043	1.10 (1.01, 1.19)	0.027	0.531	NA	NA	NA
INTERVAL	Contactin-4	rs163352	0.237	0.107	1.27 (1.03, 1.56)	0.027	0.531	NA	NA	NA
INTERVAL	PIANP	rs11064321	0.377	0.171	1.46 (1.04, 2.04)	0.028	0.531	NA	NA	NA
INTERVAL	PIANP	rs11064321	0.406	0.185	1.50 (1.04, 2.16)	0.028	0.531	NA	NA	NA
INTERVAL	BSSP4	rs3810801	-0.197	0.090	0.82 (0.69, 0.98)	0.029	0.531	NA	NA	NA
INTERVAL	IGFBP-3	rs145188037	0.263	0.120	1.30 (1.03, 1.65)	0.029	0.531	NA	NA	NA
INTERVAL	IL-18 Ra	rs1420106	0.069	0.032	1.07 (1.01, 1.14)	0.030	0.531	NA	NA	NA
INTERVAL	PPIE	rs12086750	0.149	0.069	1.16 (1.01, 1.33)	0.031	0.531	NA	NA	NA
INTERVAL	IL-17 RD	rs6776722	0.123	0.057	1.13 (1.01, 1.27)	0.032	0.531	NA	NA	NA
INTERVAL	TM190	rs4806666	-0.055	0.026	0.95 (0.90, 1.00)	0.035	0.531	NA	NA	NA
INTERVAL	TXND5	rs111331197	0.250	0.119	1.28 (1.02, 1.62)	0.036	0.531	NA	NA	NA
INTERVAL	GPNMB	rs10262243	0.241	0.116	1.27 (1.01, 1.60)	0.038	0.531	NA	NA	NA
INTERVAL	TSG-6	rs289828	-0.096	0.046	0.91 (0.83, 1.00)	0.039	0.531	NA	NA	NA
INTERVAL	GPNMB	rs10262243	0.256	0.124	1.29 (1.01, 1.65)	0.039	0.531	NA	NA	NA
INTERVAL	HGF	rs5745695	0.342	0.165	1.41 (1.02, 1.95)	0.039	0.531	NA	NA	NA
INTERVAL	SIRPG	rs6043409	-0.206	0.100	0.81 (0.67, 0.99)	0.040	0.531	NA	NA	NA
INTERVAL	RGMA	rs3752102	0.274	0.133	1.32 (1.01, 1.71)	0.040	0.531	NA	NA	NA
INTERVAL	Protease nexin I	rs68066031	-0.161	0.079	0.85 (0.73, 0.99)	0.043	0.552	NA	NA	NA
INTERVAL	SIA10	rs72934623	-0.061	0.030	0.94 (0.89, 1.00)	0.044	0.552	NA	NA	NA
INTERVAL	GPNMB	rs10250602	0.275	0.138	1.32 (1.00, 1.73)	0.047	0.576	NA	NA	NA

INTERVAL	IL-11 RA	rs11575578	0.202	0.102	1.22 (1.00, 1.49)	0.048	0.576	NA	NA	NA
INTERVAL	Nogo Receptor	rs75766	0.162	0.083	1.18 (1.00, 1.39)	0.051	0.604	NA	NA	NA
INTERVAL	DLL1	rs959025	-0.285	0.149	0.75 (0.56, 1.01)	0.056	0.639	NA	NA	NA
INTERVAL	QPCTL	rs17850756	0.182	0.096	1.20 (0.99, 1.45)	0.059	0.656	NA	NA	NA
INTERVAL	ACAM	rs35483681	-0.200	0.107	0.82 (0.66, 1.01)	0.062	0.661	NA	NA	NA
INTERVAL	GFRAL	rs72975088	-0.263	0.142	0.77 (0.58, 1.01)	0.063	0.661	NA	NA	NA
INTERVAL	TSP2	rs73043857	0.098	0.053	1.10 (0.99, 1.22)	0.065	0.661	NA	NA	NA
INTERVAL	ApoM	rs1266078	0.319	0.173	1.38 (0.98, 1.93)	0.065	0.661	NA	NA	NA
INTERVAL	Siglec-3	rs12459419	0.052	0.028	1.05 (1.00, 1.11)	0.066	0.661	NA	NA	NA
INTERVAL	Endoplasmic	rs1165693	0.045	0.024	1.05 (1.00, 1.10)	0.068	0.661	NA	NA	NA
INTERVAL	HBAZ	rs2461286	0.062	0.034	1.06 (1.00, 1.14)	0.068	0.661	NA	NA	NA
INTERVAL	CD59	rs2273121	-0.141	0.080	0.87 (0.74, 1.02)	0.077	0.703	NA	NA	NA
INTERVAL	FABPL	rs2241883	0.256	0.146	1.29 (0.97, 1.72)	0.080	0.703	NA	NA	NA
INTERVAL	Siglec-7	rs140185670	0.199	0.114	1.22 (0.98, 1.52)	0.081	0.703	NA	NA	NA
INTERVAL	Collectin Kidney 1	rs6542680	0.056	0.032	1.06 (0.99, 1.13)	0.082	0.703	NA	NA	NA
INTERVAL	RAP	rs78770234	-0.185	0.107	0.83 (0.67, 1.03)	0.084	0.703	NA	NA	NA
INTERVAL	SVEP1	rs61751937	0.118	0.068	1.12 (0.98, 1.29)	0.085	0.703	NA	NA	NA
INTERVAL	SVEP1	rs61751937	0.132	0.077	1.14 (0.98, 1.33)	0.085	0.703	NA	NA	NA
INTERVAL	ISK2	rs11941335	0.165	0.096	1.18 (0.98, 1.42)	0.086	0.703	NA	NA	NA
INTERVAL	Lactoferrin	rs6441996	-0.121	0.071	0.89 (0.77, 1.02)	0.088	0.703	NA	NA	NA
INTERVAL	NEO1	rs12903656	-0.260	0.153	0.77 (0.57, 1.04)	0.090	0.703	NA	NA	NA
INTERVAL	SCG3	rs1378892	0.103	0.061	1.11 (0.98, 1.25)	0.091	0.703	NA	NA	NA
INTERVAL	C1QTNF5	rs2248863	-0.191	0.114	0.83 (0.66, 1.03)	0.094	0.703	NA	NA	NA
INTERVAL	Semaphorin-6A	rs3733724	-0.232	0.139	0.79 (0.60, 1.04)	0.095	0.703	NA	NA	NA
INTERVAL	GRM1C	rs61077924	0.072	0.043	1.07 (0.99, 1.17)	0.096	0.703	NA	NA	NA
INTERVAL	GRM1C	rs61077924	0.121	0.073	1.13 (0.98, 1.30)	0.097	0.703	NA	NA	NA
INTERVAL	GXLT1	rs139695917	-0.173	0.104	0.84 (0.69, 1.03)	0.097	0.703	NA	NA	NA
INTERVAL	DCBD2	rs9864010	-0.150	0.091	0.86 (0.72, 1.03)	0.098	0.703	NA	NA	NA
INTERVAL	B4GT2	rs2286241	0.150	0.091	1.16 (0.97, 1.39)	0.100	0.703	NA	NA	NA
INTERVAL	CD48	rs12124234	-0.186	0.113	0.83 (0.66, 1.04)	0.100	0.703	NA	NA	NA
INTERVAL	CD39	rs11188501	0.200	0.122	1.22 (0.96, 1.55)	0.102	0.703	NA	NA	NA
INTERVAL	CREG1	rs7513428	-0.185	0.114	0.83 (0.66, 1.04)	0.103	0.703	NA	NA	NA
INTERVAL	I-TAC	rs10031452	0.171	0.106	1.19 (0.96, 1.46)	0.107	0.704	NA	NA	NA

INTERVAL	PGD2 synthase	rs7019538	-0.221	0.137	0.80 (0.61, 1.05)	0.107	0.704	NA	NA	NA
INTERVAL	DKK1	rs1194673	0.245	0.152	1.28 (0.95, 1.72)	0.107	0.704	NA	NA	NA
INTERVAL	Chitotriosidase-1	rs872583	-0.046	0.028	0.96 (0.90, 1.01)	0.109	0.704	NA	NA	NA
INTERVAL	G6PE	rs34603401	-0.080	0.050	0.92 (0.84, 1.02)	0.111	0.711	NA	NA	NA
INTERVAL	LRRN1	rs6801789	-0.172	0.110	0.84 (0.68, 1.04)	0.118	0.731	NA	NA	NA
INTERVAL	Aldehyde dehydrogenase, class 3	rs887241	0.173	0.111	1.19 (0.96, 1.48)	0.118	0.731	NA	NA	NA
INTERVAL	Prolylcarboxypeptidase	rs2229437	-0.197	0.126	0.82 (0.64, 1.05)	0.119	0.731	NA	NA	NA
INTERVAL	PCOC2	rs34516933	-0.116	0.075	0.89 (0.77, 1.03)	0.122	0.731	NA	NA	NA
INTERVAL	Semaphorin 3E	rs3757607	0.053	0.034	1.05 (0.99, 1.13)	0.123	0.731	NA	NA	NA
INTERVAL	IP16	rs72709516	0.106	0.069	1.11 (0.97, 1.27)	0.125	0.731	NA	NA	NA
INTERVAL	PENK	rs2670014	0.080	0.053	1.08 (0.98, 1.20)	0.127	0.731	NA	NA	NA
INTERVAL	VITRN	rs10490666	0.126	0.083	1.13 (0.96, 1.33)	0.128	0.731	NA	NA	NA
INTERVAL	GI24	rs10762477	-0.201	0.132	0.82 (0.63, 1.06)	0.128	0.731	NA	NA	NA
INTERVAL	B7-H2	rs11558819	0.087	0.057	1.09 (0.98, 1.22)	0.129	0.731	NA	NA	NA
INTERVAL	FAM3D	rs3749290	-0.129	0.085	0.88 (0.74, 1.04)	0.131	0.733	NA	NA	NA
INTERVAL	LRAP	rs2927608	-0.034	0.023	0.97 (0.92, 1.01)	0.141	0.743	NA	NA	NA
INTERVAL	MANEA	rs80268500	0.040	0.027	1.04 (0.99, 1.10)	0.141	0.743	NA	NA	NA
INTERVAL	NID2	rs1151582	0.094	0.064	1.10 (0.97, 1.25)	0.141	0.743	NA	NA	NA
INTERVAL	QSCN6	rs12371	0.095	0.065	1.10 (0.97, 1.25)	0.142	0.743	NA	NA	NA
INTERVAL	TICN3	rs17599599	0.172	0.117	1.19 (0.94, 1.49)	0.142	0.743	NA	NA	NA
INTERVAL	RELT	rs3741148	-0.200	0.136	0.82 (0.63, 1.07)	0.142	0.743	NA	NA	NA
INTERVAL	S100A4	rs58056804	-0.205	0.141	0.81 (0.62, 1.07)	0.145	0.743	NA	NA	NA
INTERVAL	KI2LA	rs12980151	-0.050	0.035	0.95 (0.89, 1.02)	0.147	0.743	NA	NA	NA
INTERVAL	IL3RB	rs1534881	-0.118	0.082	0.89 (0.76, 1.04)	0.147	0.743	NA	NA	NA
INTERVAL	RELT	rs7952686	-0.114	0.079	0.89 (0.76, 1.04)	0.148	0.743	NA	NA	NA
INTERVAL	LSAMP	rs2116308	-0.199	0.138	0.82 (0.63, 1.07)	0.149	0.743	NA	NA	NA
INTERVAL	RANK	rs884205	0.195	0.136	1.22 (0.93, 1.59)	0.152	0.749	NA	NA	NA
INTERVAL	FCRL4	rs11582663	-0.045	0.032	0.96 (0.90, 1.02)	0.159	0.759	NA	NA	NA
INTERVAL	IL-1 sRII	rs7561460	-0.089	0.063	0.91 (0.81, 1.04)	0.159	0.759	NA	NA	NA
INTERVAL	Spondin-1	rs10832169	0.086	0.061	1.09 (0.97, 1.23)	0.161	0.759	NA	NA	NA
INTERVAL	GPNMB	rs2268748	0.135	0.096	1.14 (0.95, 1.38)	0.161	0.759	NA	NA	NA
INTERVAL	sFRP-3	rs288326	0.102	0.073	1.11 (0.96, 1.28)	0.162	0.759	NA	NA	NA
INTERVAL	AT1B2	rs1642762	0.125	0.090	1.13 (0.95, 1.35)	0.165	0.759	NA	NA	NA

INTERVAL	Carbonic anhydrase 6	rs3765963	0.053	0.038	1.05 (0.98, 1.14)	0.166	0.759	NA	NA	NA
INTERVAL	Tirap	rs111577916	-0.221	0.160	0.80 (0.59, 1.10)	0.167	0.759	NA	NA	NA
INTERVAL	SPARCL1	rs7681694	-0.067	0.048	0.94 (0.85, 1.03)	0.169	0.759	NA	NA	NA
INTERVAL	ADAM 23	rs1921673	-0.085	0.062	0.92 (0.81, 1.04)	0.170	0.759	NA	NA	NA
INTERVAL	Catalase	rs2745924	-0.187	0.137	0.83 (0.63, 1.08)	0.171	0.759	NA	NA	NA
INTERVAL	Gro-a	rs2115691	0.053	0.039	1.05 (0.98, 1.14)	0.176	0.767	NA	NA	NA
INTERVAL	SREC-II	rs738086	0.145	0.107	1.16 (0.94, 1.43)	0.176	0.767	NA	NA	NA
INTERVAL	Collagen a1(VI)	rs434206	-0.174	0.130	0.84 (0.65, 1.08)	0.180	0.771	NA	NA	NA
INTERVAL	MBL	rs7899547	0.037	0.028	1.04 (0.98, 1.10)	0.185	0.771	NA	NA	NA
INTERVAL	VEGF-C	rs41278571	0.105	0.079	1.11 (0.95, 1.30)	0.185	0.771	NA	NA	NA
INTERVAL	FCN1	rs11103602	0.063	0.047	1.06 (0.97, 1.17)	0.186	0.771	NA	NA	NA
INTERVAL	CL12A	rs2961544	-0.028	0.022	0.97 (0.93, 1.01)	0.190	0.771	NA	NA	NA
INTERVAL	GGH	rs10957266	0.082	0.062	1.09 (0.96, 1.23)	0.190	0.771	NA	NA	NA
INTERVAL	LRIG3	rs11172791	0.191	0.146	1.21 (0.91, 1.61)	0.190	0.771	NA	NA	NA
INTERVAL	GRN	rs5848	-0.137	0.105	0.87 (0.71, 1.07)	0.192	0.771	NA	NA	NA
INTERVAL	NFASC	rs6667532	-0.066	0.051	0.94 (0.85, 1.03)	0.193	0.771	NA	NA	NA
INTERVAL	CBR1	rs16993864	0.109	0.084	1.12 (0.95, 1.32)	0.195	0.771	NA	NA	NA
INTERVAL	SWP70	rs415895	-0.132	0.102	0.88 (0.72, 1.07)	0.195	0.771	NA	NA	NA
INTERVAL	Trypsin 2	rs13229701	0.166	0.129	1.18 (0.92, 1.52)	0.195	0.771	NA	NA	NA
INTERVAL	THSD1	rs41292808	0.116	0.090	1.12 (0.94, 1.34)	0.197	0.771	NA	NA	NA
INTERVAL	Lactoferrin	rs61740470	-0.333	0.259	0.72 (0.43, 1.19)	0.199	0.772	NA	NA	NA
INTERVAL	Apo L1	rs71314970	-0.153	0.120	0.86 (0.68, 1.09)	0.203	0.776	NA	NA	NA
INTERVAL	EPHB2	rs6687487	-0.093	0.073	0.91 (0.79, 1.05)	0.204	0.776	NA	NA	NA
INTERVAL	EPHB2	rs6687487	-0.140	0.111	0.87 (0.70, 1.08)	0.207	0.776	NA	NA	NA
INTERVAL	CRP	rs2808628	0.182	0.145	1.20 (0.90, 1.59)	0.208	0.776	NA	NA	NA
INTERVAL	DAF	rs11580387	-0.068	0.054	0.93 (0.84, 1.04)	0.209	0.776	NA	NA	NA
INTERVAL	SAPL1	rs10023470	0.074	0.059	1.08 (0.96, 1.21)	0.209	0.776	NA	NA	NA
INTERVAL	MMP-9	rs2250889	-0.124	0.099	0.88 (0.73, 1.07)	0.212	0.777	NA	NA	NA
INTERVAL	sICAM-1	rs5498	0.027	0.021	1.03 (0.98, 1.07)	0.213	0.777	NA	NA	NA
INTERVAL	NELL1	rs61652119	0.064	0.052	1.07 (0.96, 1.18)	0.214	0.777	NA	NA	NA
INTERVAL	DHPR	rs28719835	-0.065	0.052	0.94 (0.85, 1.04)	0.217	0.782	NA	NA	NA
INTERVAL	WFKN2	rs11079936	-0.055	0.045	0.95 (0.87, 1.03)	0.226	0.801	NA	NA	NA
INTERVAL	PCOC1	rs9801017	0.153	0.127	1.17 (0.91, 1.49)	0.226	0.801	NA	NA	NA

INTERVAL	Fucosyltransferase 3	rs708686	0.040	0.033	1.04 (0.98, 1.11)	0.227	0.801	NA	NA	NA
INTERVAL	MFAP2	rs4920605	-0.144	0.120	0.87 (0.68, 1.10)	0.231	0.803	NA	NA	NA
INTERVAL	MANS4	rs36138811	-0.056	0.047	0.95 (0.86, 1.04)	0.233	0.803	NA	NA	NA
INTERVAL	Amylase, alpha 1A	rs7538379	-0.078	0.066	0.92 (0.81, 1.05)	0.235	0.803	NA	NA	NA
INTERVAL	FUT10	rs2732317	0.066	0.055	1.07 (0.96, 1.19)	0.237	0.803	NA	NA	NA
INTERVAL	MICB	rs3134900	-0.072	0.061	0.93 (0.83, 1.05)	0.237	0.803	NA	NA	NA
INTERVAL	RPN1	rs2712417	-0.087	0.074	0.92 (0.79, 1.06)	0.239	0.803	NA	NA	NA
INTERVAL	TLR4:MD-2 complex	rs4986790	-0.071	0.060	0.93 (0.83, 1.05)	0.241	0.803	NA	NA	NA
INTERVAL	LIRB5	rs12975366	0.029	0.025	1.03 (0.98, 1.08)	0.244	0.803	NA	NA	NA
INTERVAL	PSG4	rs1138888	-0.048	0.041	0.95 (0.88, 1.03)	0.245	0.803	NA	NA	NA
INTERVAL	CRIS2	rs478328	-0.051	0.044	0.95 (0.87, 1.04)	0.245	0.803	NA	NA	NA
INTERVAL	TECK	rs62124688	-0.084	0.073	0.92 (0.80, 1.06)	0.248	0.803	NA	NA	NA
INTERVAL	F171B	rs10931256	0.103	0.089	1.11 (0.93, 1.32)	0.248	0.803	NA	NA	NA
INTERVAL	Lamin-B1	rs36105360	0.143	0.124	1.15 (0.90, 1.47)	0.249	0.803	NA	NA	NA
INTERVAL	RMD1	rs11781016	0.089	0.078	1.09 (0.94, 1.27)	0.253	0.811	NA	NA	NA
INTERVAL	SPIT3	rs6017591	-0.051	0.045	0.95 (0.87, 1.04)	0.257	0.816	NA	NA	NA
INTERVAL	NMRL1	rs11557236	0.126	0.111	1.13 (0.91, 1.41)	0.259	0.819	NA	NA	NA
INTERVAL	SEM5A	rs17329170	0.036	0.032	1.04 (0.97, 1.10)	0.264	0.828	NA	NA	NA
INTERVAL	TPSN	rs144706539	-0.067	0.060	0.94 (0.83, 1.05)	0.266	0.829	NA	NA	NA
INTERVAL	OAS1	rs4767027	-0.108	0.099	0.90 (0.74, 1.09)	0.277	0.848	NA	NA	NA
INTERVAL	FCN2	rs57136797	-0.063	0.058	0.94 (0.84, 1.05)	0.280	0.848	NA	NA	NA
INTERVAL	Neuropeptide W	rs35327014	0.080	0.074	1.08 (0.94, 1.25)	0.280	0.848	NA	NA	NA
INTERVAL	Fas, soluble	rs7911226	-0.081	0.075	0.92 (0.80, 1.07)	0.280	0.848	NA	NA	NA
INTERVAL	Fas, soluble	rs7911226	-0.093	0.086	0.91 (0.77, 1.08)	0.280	0.848	NA	NA	NA
INTERVAL	FAAA	rs11555096	-0.052	0.048	0.95 (0.86, 1.04)	0.282	0.848	NA	NA	NA
INTERVAL	H6ST1	rs34827544	-0.129	0.121	0.88 (0.69, 1.11)	0.287	0.856	NA	NA	NA
INTERVAL	Factor H	rs2274700	0.072	0.068	1.07 (0.94, 1.23)	0.290	0.858	NA	NA	NA
INTERVAL	SAP	rs71632673	-0.107	0.102	0.90 (0.74, 1.10)	0.294	0.858	NA	NA	NA
INTERVAL	CATF	rs1791679	-0.120	0.114	0.89 (0.71, 1.11)	0.296	0.858	NA	NA	NA
INTERVAL	Sema E	rs1019016	0.164	0.158	1.18 (0.86, 1.61)	0.300	0.858	NA	NA	NA
INTERVAL	Carboxypeptidase B1	rs13318853	-0.121	0.117	0.89 (0.71, 1.11)	0.302	0.858	NA	NA	NA
INTERVAL	COLEC12	rs2846667	0.152	0.148	1.16 (0.87, 1.56)	0.302	0.858	NA	NA	NA
INTERVAL	SIRB1	rs3848788	-0.037	0.036	0.96 (0.90, 1.03)	0.303	0.858	NA	NA	NA

INTERVAL	Cathepsin H	rs34593439	0.041	0.040	1.04 (0.96, 1.13)	0.305	0.858	NA	NA	NA
INTERVAL	RAR-responsive protein TIG1	rs61696028	0.026	0.025	1.03 (0.98, 1.08)	0.306	0.858	NA	NA	NA
INTERVAL	Lymphotoctin	rs4656599	-0.076	0.075	0.93 (0.80, 1.07)	0.308	0.858	NA	NA	NA
INTERVAL	TRML2	rs61998254	0.064	0.063	1.07 (0.94, 1.21)	0.309	0.858	NA	NA	NA
INTERVAL	CGAT2	rs2435349	-0.155	0.152	0.86 (0.64, 1.15)	0.309	0.858	NA	NA	NA
INTERVAL	PPT1	rs7533094	-0.070	0.069	0.93 (0.81, 1.07)	0.310	0.858	NA	NA	NA
INTERVAL	CC126	rs227934	-0.093	0.093	0.91 (0.76, 1.09)	0.315	0.858	NA	NA	NA
INTERVAL	FCG2A	rs1801274	-0.020	0.020	0.98 (0.94, 1.02)	0.317	0.858	NA	NA	NA
INTERVAL	CEL	rs8193016	0.110	0.110	1.12 (0.90, 1.39)	0.317	0.858	NA	NA	NA
INTERVAL	AMD	rs257309	0.055	0.055	1.06 (0.95, 1.18)	0.320	0.858	NA	NA	NA
INTERVAL	HCC-4	rs112689088	-0.029	0.029	0.97 (0.92, 1.03)	0.322	0.858	NA	NA	NA
INTERVAL	ART	rs60697456	-0.140	0.141	0.87 (0.66, 1.15)	0.322	0.858	NA	NA	NA
INTERVAL	NUDT9	rs28696943	-0.097	0.098	0.91 (0.75, 1.10)	0.323	0.858	NA	NA	NA
INTERVAL	PSG3	rs2355433	-0.039	0.040	0.96 (0.89, 1.04)	0.325	0.858	NA	NA	NA
INTERVAL	PLXB2	rs28573806	-0.058	0.059	0.94 (0.84, 1.06)	0.326	0.858	NA	NA	NA
INTERVAL	CJ058	rs10887868	0.131	0.134	1.14 (0.88, 1.48)	0.327	0.858	NA	NA	NA
INTERVAL	MIC-1	rs45543339	-0.049	0.050	0.95 (0.86, 1.05)	0.330	0.860	NA	NA	NA
INTERVAL	NAGK	rs7606102	-0.076	0.079	0.93 (0.79, 1.08)	0.335	0.868	NA	NA	NA
INTERVAL	kallikrein 14	rs2569491	-0.044	0.046	0.96 (0.87, 1.05)	0.346	0.892	NA	NA	NA
INTERVAL	Noggin	rs79084672	-0.123	0.131	0.88 (0.68, 1.14)	0.349	0.896	NA	NA	NA
INTERVAL	RNase 2	rs56204594	0.099	0.107	1.10 (0.90, 1.36)	0.353	0.898	NA	NA	NA
INTERVAL	KTEL1	rs75203710	-0.119	0.129	0.89 (0.69, 1.14)	0.354	0.898	NA	NA	NA
INTERVAL	RIR2B	rs74589258	-0.146	0.158	0.86 (0.63, 1.18)	0.355	0.898	NA	NA	NA
INTERVAL	ENPP5	rs1047153	-0.031	0.033	0.97 (0.91, 1.04)	0.359	0.898	NA	NA	NA
INTERVAL	NPS-PLA2	rs11573156	-0.027	0.030	0.97 (0.92, 1.03)	0.365	0.898	NA	NA	NA
INTERVAL	TC I	rs34528912	-0.106	0.118	0.90 (0.71, 1.13)	0.366	0.898	NA	NA	NA
INTERVAL	AK1A1	rs72688441	0.042	0.046	1.04 (0.95, 1.14)	0.368	0.898	NA	NA	NA
INTERVAL	CNTP2	rs10274393	0.057	0.064	1.06 (0.93, 1.20)	0.369	0.898	NA	NA	NA
INTERVAL	SPT20	rs9890200	0.092	0.102	1.10 (0.90, 1.34)	0.369	0.898	NA	NA	NA
INTERVAL	YKL-40	rs10920578	-0.022	0.024	0.98 (0.93, 1.03)	0.375	0.898	NA	NA	NA
INTERVAL	Granulysin	rs12151621	0.034	0.038	1.03 (0.96, 1.11)	0.377	0.898	NA	NA	NA
INTERVAL	COCH	rs34907608	0.072	0.081	1.07 (0.92, 1.26)	0.377	0.898	NA	NA	NA
INTERVAL	TECK	rs74959615	0.043	0.049	1.04 (0.95, 1.15)	0.378	0.898	NA	NA	NA

INTERVAL	DLK1	rs12881760	0.043	0.049	1.04 (0.95, 1.15)	0.379	0.898	NA	NA	NA
INTERVAL	PEDF	rs62088172	0.053	0.061	1.05 (0.94, 1.19)	0.381	0.898	NA	NA	NA
INTERVAL	PEDF	rs62088172	0.055	0.063	1.06 (0.93, 1.20)	0.381	0.898	NA	NA	NA
INTERVAL	Neuropilin-2	rs16837641	0.110	0.128	1.12 (0.87, 1.43)	0.390	0.898	NA	NA	NA
INTERVAL	GLTD2	rs34460487	-0.086	0.101	0.92 (0.75, 1.12)	0.394	0.898	NA	NA	NA
INTERVAL	ASAH1	rs9996608	0.042	0.049	1.04 (0.95, 1.15)	0.395	0.898	NA	NA	NA
INTERVAL	ALCAM	rs9830049	-0.106	0.125	0.90 (0.70, 1.15)	0.396	0.898	NA	NA	NA
INTERVAL	CLIC5	rs35822882	-0.139	0.163	0.87 (0.63, 1.20)	0.396	0.898	NA	NA	NA
INTERVAL	F176C	rs6517101	-0.127	0.150	0.88 (0.66, 1.18)	0.399	0.898	NA	NA	NA
INTERVAL	NPTX1	rs62069681	-0.073	0.087	0.93 (0.78, 1.10)	0.401	0.898	NA	NA	NA
INTERVAL	EDAR	rs116475987	0.065	0.077	1.07 (0.92, 1.24)	0.403	0.898	NA	NA	NA
INTERVAL	Galectin-2	rs5756729	-0.079	0.096	0.92 (0.77, 1.11)	0.409	0.898	NA	NA	NA
INTERVAL	sTie-2	rs35030851	-0.092	0.111	0.91 (0.73, 1.13)	0.409	0.898	NA	NA	NA
INTERVAL	NT5C	rs78625720	0.113	0.137	1.12 (0.86, 1.46)	0.411	0.898	NA	NA	NA
INTERVAL	EphA1	rs4421280	-0.043	0.052	0.96 (0.86, 1.06)	0.413	0.898	NA	NA	NA
INTERVAL	MRC2	rs146385050	-0.157	0.192	0.85 (0.59, 1.24)	0.413	0.898	NA	NA	NA
INTERVAL	P-Selectin	rs6136	0.046	0.056	1.05 (0.94, 1.17)	0.415	0.898	NA	NA	NA
INTERVAL	complement factor H-related 5	rs35662416	0.062	0.077	1.06 (0.92, 1.24)	0.417	0.898	NA	NA	NA
INTERVAL	CD109	rs6903575	-0.048	0.059	0.95 (0.85, 1.07)	0.420	0.898	NA	NA	NA
INTERVAL	Granzyme B	rs8192917	0.023	0.029	1.02 (0.97, 1.08)	0.421	0.898	NA	NA	NA
INTERVAL	Granzyme B	rs8192917	-0.035	0.044	0.97 (0.89, 1.05)	0.421	0.898	NA	NA	NA
INTERVAL	HBD-1	rs2738176	-0.053	0.066	0.95 (0.83, 1.08)	0.421	0.898	NA	NA	NA
INTERVAL	NKp30	rs986475	0.063	0.079	1.07 (0.91, 1.24)	0.422	0.898	NA	NA	NA
INTERVAL	ERO1B	rs1254194	0.052	0.067	1.05 (0.92, 1.20)	0.433	0.898	NA	NA	NA
INTERVAL	PGM1	rs1126728	-0.092	0.118	0.91 (0.72, 1.15)	0.433	0.898	NA	NA	NA
INTERVAL	LPH	rs4988235	-0.029	0.037	0.97 (0.90, 1.04)	0.436	0.898	NA	NA	NA
INTERVAL	RNAS6	rs11622942	0.022	0.028	1.02 (0.97, 1.08)	0.437	0.898	NA	NA	NA
INTERVAL	FGF7	rs7162172	0.107	0.138	1.11 (0.85, 1.46)	0.438	0.898	NA	NA	NA
INTERVAL	MGT4B	rs73351608	-0.090	0.116	0.91 (0.73, 1.15)	0.439	0.898	NA	NA	NA
INTERVAL	TPST2	rs2283824	0.079	0.103	1.08 (0.88, 1.33)	0.442	0.898	NA	NA	NA
INTERVAL	CLM6	rs62087214	-0.076	0.099	0.93 (0.76, 1.12)	0.443	0.898	NA	NA	NA
INTERVAL	PEAR1	rs12137505	0.096	0.126	1.10 (0.86, 1.41)	0.445	0.898	NA	NA	NA
INTERVAL	MO2R1	rs6791672	0.109	0.143	1.11 (0.84, 1.48)	0.448	0.898	NA	NA	NA

INTERVAL	ATS13	rs71503194	-0.039	0.052	0.96 (0.87, 1.06)	0.449	0.898	NA	NA	NA
INTERVAL	ITIH5	rs7909223	-0.068	0.089	0.93 (0.78, 1.11)	0.449	0.898	NA	NA	NA
INTERVAL	RFESD	rs77881626	0.086	0.114	1.09 (0.87, 1.36)	0.452	0.898	NA	NA	NA
INTERVAL	Apo E2	rs814573	0.157	0.210	1.17 (0.77, 1.77)	0.456	0.898	NA	NA	NA
INTERVAL	INDO	rs7010461	0.083	0.112	1.09 (0.87, 1.35)	0.457	0.898	NA	NA	NA
INTERVAL	MCP-2	rs1133763	0.111	0.149	1.12 (0.83, 1.50)	0.458	0.898	NA	NA	NA
INTERVAL	Glypican 1	rs4074478	-0.072	0.098	0.93 (0.77, 1.13)	0.461	0.898	NA	NA	NA
INTERVAL	TPST1	rs313829	0.089	0.121	1.09 (0.86, 1.39)	0.461	0.898	NA	NA	NA
INTERVAL	TIM-1	rs6889164	-0.052	0.070	0.95 (0.83, 1.09)	0.462	0.898	NA	NA	NA
INTERVAL	RNase 1	rs17254387	-0.089	0.122	0.91 (0.72, 1.16)	0.464	0.898	NA	NA	NA
INTERVAL	ART4	rs1001096	-0.025	0.035	0.98 (0.91, 1.04)	0.465	0.898	NA	NA	NA
INTERVAL	MK13	rs12210904	0.080	0.109	1.08 (0.87, 1.34)	0.466	0.898	NA	NA	NA
INTERVAL	LIRA6	rs35361042	-0.032	0.044	0.97 (0.89, 1.06)	0.467	0.898	NA	NA	NA
INTERVAL	IL-23 R	rs11581607	0.090	0.124	1.09 (0.86, 1.40)	0.467	0.898	NA	NA	NA
INTERVAL	BST1	rs73224660	0.017	0.024	1.02 (0.97, 1.07)	0.469	0.898	NA	NA	NA
INTERVAL	IL-1Rrp2	rs2228139	0.087	0.120	1.09 (0.86, 1.38)	0.469	0.898	NA	NA	NA
INTERVAL	Elafin	rs16989763	0.059	0.081	1.06 (0.90, 1.24)	0.470	0.898	NA	NA	NA
INTERVAL	TNF sR-II	rs5746017	-0.114	0.158	0.89 (0.65, 1.22)	0.471	0.898	NA	NA	NA
INTERVAL	Esterase D	rs8192888	0.037	0.052	1.04 (0.94, 1.15)	0.473	0.898	NA	NA	NA
INTERVAL	Desmoglein-2	rs2704050	-0.105	0.146	0.90 (0.68, 1.20)	0.473	0.898	NA	NA	NA
INTERVAL	MMP-10	rs17860955	-0.090	0.125	0.91 (0.72, 1.17)	0.474	0.898	NA	NA	NA
INTERVAL	DERM	rs1018454	0.044	0.061	1.04 (0.93, 1.18)	0.476	0.898	NA	NA	NA
INTERVAL	IL-6 sRa	rs4129267	-0.017	0.023	0.98 (0.94, 1.03)	0.480	0.898	NA	NA	NA
INTERVAL	IL-6 sRa	rs4129267	-0.016	0.023	0.98 (0.94, 1.03)	0.480	0.898	NA	NA	NA
INTERVAL	Proteinase-3	rs10425544	0.048	0.068	1.05 (0.92, 1.20)	0.481	0.898	NA	NA	NA
INTERVAL	Proteinase-3	rs10425544	0.051	0.072	1.05 (0.91, 1.21)	0.481	0.898	NA	NA	NA
INTERVAL	BGH3	rs13159365	-0.038	0.055	0.96 (0.86, 1.07)	0.484	0.898	NA	NA	NA
INTERVAL	CRDL2	rs11607100	-0.075	0.109	0.93 (0.75, 1.15)	0.493	0.898	NA	NA	NA
INTERVAL	DKK3	rs11022114	-0.059	0.086	0.94 (0.80, 1.12)	0.494	0.898	NA	NA	NA
INTERVAL	MXRA7	rs9900613	0.075	0.110	1.08 (0.87, 1.34)	0.494	0.898	NA	NA	NA
INTERVAL	NAR3	rs4859610	0.059	0.086	1.06 (0.90, 1.26)	0.495	0.898	NA	NA	NA
INTERVAL	MFGM	rs1961839	-0.077	0.113	0.93 (0.74, 1.16)	0.495	0.898	NA	NA	NA
INTERVAL	Tenascin-X	rs45531831	-0.040	0.059	0.96 (0.86, 1.08)	0.497	0.898	NA	NA	NA

INTERVAL	FLRT3	rs11908097	-0.045	0.066	0.96 (0.84, 1.09)	0.500	0.898	NA	NA	NA
INTERVAL	IGDC4	rs35223184	0.095	0.141	1.10 (0.83, 1.45)	0.501	0.898	NA	NA	NA
INTERVAL	CHL1	rs1015456	-0.085	0.126	0.92 (0.72, 1.18)	0.503	0.898	NA	NA	NA
INTERVAL	GLCE	rs11854180	-0.023	0.035	0.98 (0.91, 1.05)	0.504	0.898	NA	NA	NA
INTERVAL	Chymotrypsin	rs8051363	-0.029	0.044	0.97 (0.89, 1.06)	0.507	0.898	NA	NA	NA
INTERVAL	T132A	rs11230521	-0.031	0.047	0.97 (0.88, 1.06)	0.507	0.898	NA	NA	NA
INTERVAL	Siglec-9	rs2075803	0.014	0.021	1.01 (0.97, 1.06)	0.508	0.898	NA	NA	NA
INTERVAL	Kallikrein 7	rs2739419	0.044	0.066	1.04 (0.92, 1.19)	0.509	0.898	NA	NA	NA
INTERVAL	CR3L4	rs4845586	-0.064	0.097	0.94 (0.78, 1.13)	0.510	0.898	NA	NA	NA
INTERVAL	Carbonic Anhydrase X	rs117399000	0.098	0.150	1.10 (0.82, 1.48)	0.513	0.899	NA	NA	NA
INTERVAL	MTHFS	rs7173566	0.082	0.126	1.09 (0.85, 1.39)	0.516	0.899	NA	NA	NA
INTERVAL	Testican-2	rs1245540	-0.077	0.120	0.93 (0.73, 1.17)	0.519	0.899	NA	NA	NA
INTERVAL	Cripto	rs6769392	-0.014	0.022	0.99 (0.94, 1.03)	0.522	0.899	NA	NA	NA
INTERVAL	PPIL1	rs12194408	0.045	0.070	1.05 (0.91, 1.20)	0.524	0.899	NA	NA	NA
INTERVAL	NET4	rs17288108	-0.078	0.122	0.93 (0.73, 1.18)	0.524	0.899	NA	NA	NA
INTERVAL	IL-5 Ra	rs9851301	0.082	0.128	1.09 (0.84, 1.40)	0.524	0.899	NA	NA	NA
INTERVAL	VEGF sR3	rs34221241	-0.088	0.138	0.92 (0.70, 1.20)	0.525	0.899	NA	NA	NA
INTERVAL	IFN-a/b R1	rs2257167	-0.080	0.127	0.92 (0.72, 1.18)	0.528	0.901	NA	NA	NA
INTERVAL	protein Z inhibitor	rs941591	0.025	0.040	1.03 (0.95, 1.11)	0.535	0.907	NA	NA	NA
INTERVAL	WFKN2	rs7225465	-0.025	0.041	0.97 (0.90, 1.06)	0.537	0.907	NA	NA	NA
INTERVAL	FLRT2	rs17796777	-0.073	0.118	0.93 (0.74, 1.17)	0.537	0.907	NA	NA	NA
INTERVAL	gp130, soluble	rs11574765	-0.063	0.103	0.94 (0.77, 1.15)	0.542	0.908	NA	NA	NA
INTERVAL	LRC15	rs57514363	-0.041	0.068	0.96 (0.84, 1.10)	0.543	0.908	NA	NA	NA
INTERVAL	T132C	rs11059617	0.072	0.119	1.07 (0.85, 1.36)	0.543	0.908	NA	NA	NA
INTERVAL	OAF	rs117554512	0.039	0.065	1.04 (0.92, 1.18)	0.547	0.908	NA	NA	NA
INTERVAL	HDHD2	rs75228657	0.047	0.078	1.05 (0.90, 1.22)	0.547	0.908	NA	NA	NA
INTERVAL	GON2	rs3787480	0.083	0.140	1.09 (0.83, 1.43)	0.553	0.914	NA	NA	NA
INTERVAL	Factor I	rs7439493	-0.047	0.080	0.95 (0.81, 1.12)	0.554	0.914	NA	NA	NA
INTERVAL	DUSP13	rs6480771	-0.053	0.090	0.95 (0.79, 1.13)	0.556	0.914	NA	NA	NA
INTERVAL	PTGD2	rs1965049	-0.033	0.057	0.97 (0.86, 1.08)	0.561	0.916	NA	NA	NA
INTERVAL	BCAM	rs144579705	0.104	0.179	1.11 (0.78, 1.58)	0.562	0.916	NA	NA	NA
INTERVAL	TC II	rs4820885	-0.020	0.034	0.98 (0.92, 1.05)	0.563	0.916	NA	NA	NA
INTERVAL	NAD(P)H dehydrogenase	rs77944668	-0.024	0.042	0.98 (0.90, 1.06)	0.567	0.919	NA	NA	NA

INTERVAL	KYNU	rs3816193	-0.036	0.063	0.96 (0.85, 1.09)	0.568	0.919	NA	NA	NA
INTERVAL	C1-Esterase Inhibitor	rs11229075	-0.026	0.046	0.97 (0.89, 1.07)	0.573	0.923	NA	NA	NA
INTERVAL	TrATPase	rs79061565	-0.044	0.078	0.96 (0.82, 1.11)	0.575	0.923	NA	NA	NA
INTERVAL	FCRL6	rs58240276	-0.028	0.051	0.97 (0.88, 1.07)	0.582	0.926	NA	NA	NA
INTERVAL	SPINT2	rs71354995	-0.016	0.029	0.98 (0.93, 1.04)	0.583	0.926	NA	NA	NA
INTERVAL	PTN	rs1431093	-0.063	0.115	0.94 (0.75, 1.18)	0.583	0.926	NA	NA	NA
INTERVAL	REG4	rs79795228	0.117	0.213	1.12 (0.74, 1.71)	0.584	0.926	NA	NA	NA
INTERVAL	ARMEL	rs61738953	0.077	0.143	1.08 (0.82, 1.43)	0.591	0.934	NA	NA	NA
INTERVAL	NAGPA	rs12599777	0.042	0.079	1.04 (0.89, 1.22)	0.596	0.938	NA	NA	NA
INTERVAL	GST omega-1	rs2282326	0.015	0.028	1.01 (0.96, 1.07)	0.598	0.938	NA	NA	NA
INTERVAL	TPSNR	rs2532497	-0.011	0.021	0.99 (0.95, 1.03)	0.603	0.942	NA	NA	NA
INTERVAL	CD177	rs73554000	-0.030	0.057	0.97 (0.87, 1.09)	0.604	0.942	NA	NA	NA
INTERVAL	IL-17B R	rs2232346	0.041	0.081	1.04 (0.89, 1.22)	0.618	0.960	NA	NA	NA
INTERVAL	TFAR19	rs4499344	-0.038	0.076	0.96 (0.83, 1.12)	0.621	0.961	NA	NA	NA
INTERVAL	Tenascin	rs1138545	0.023	0.046	1.02 (0.94, 1.12)	0.622	0.961	NA	NA	NA
INTERVAL	DPP2	rs10747049	0.042	0.086	1.04 (0.88, 1.23)	0.624	0.962	NA	NA	NA
INTERVAL	NET1	rs72809988	-0.032	0.067	0.97 (0.85, 1.10)	0.631	0.965	NA	NA	NA
INTERVAL	ROR1	rs1408416	0.036	0.076	1.04 (0.89, 1.20)	0.637	0.965	NA	NA	NA
INTERVAL	NovH	rs58936256	0.066	0.141	1.07 (0.81, 1.41)	0.638	0.965	NA	NA	NA
INTERVAL	IMPA3	rs112433249	0.034	0.076	1.04 (0.89, 1.20)	0.650	0.965	NA	NA	NA
INTERVAL	IL-5 Ra	rs77400868	0.035	0.079	1.04 (0.89, 1.21)	0.653	0.965	NA	NA	NA
INTERVAL	kallikrein 8	rs74705037	0.048	0.106	1.05 (0.85, 1.29)	0.653	0.965	NA	NA	NA
INTERVAL	kallikrein 8	rs74705037	0.068	0.151	1.07 (0.80, 1.44)	0.653	0.965	NA	NA	NA
INTERVAL	SIA4A	rs9643300	-0.045	0.100	0.96 (0.79, 1.16)	0.654	0.965	NA	NA	NA
INTERVAL	LIPN	rs10509554	0.012	0.026	1.01 (0.96, 1.07)	0.655	0.965	NA	NA	NA
INTERVAL	CBLN1	rs10852587	-0.015	0.033	0.99 (0.92, 1.05)	0.658	0.965	NA	NA	NA
INTERVAL	RF1ML	rs503366	-0.064	0.146	0.94 (0.71, 1.25)	0.659	0.965	NA	NA	NA
INTERVAL	CBPA4	rs34587586	-0.010	0.022	0.99 (0.95, 1.03)	0.660	0.965	NA	NA	NA
INTERVAL	DJC30	rs73702564	0.041	0.094	1.04 (0.87, 1.25)	0.663	0.965	NA	NA	NA
INTERVAL	Carbohydrate sulfotransferase 9	rs9952639	-0.034	0.079	0.97 (0.83, 1.13)	0.664	0.965	NA	NA	NA
INTERVAL	RSPO3	rs2489623	0.040	0.092	1.04 (0.87, 1.24)	0.665	0.965	NA	NA	NA
INTERVAL	PLXC1	rs115651556	-0.033	0.077	0.97 (0.83, 1.12)	0.667	0.965	NA	NA	NA
INTERVAL	GPC5	rs342702	-0.015	0.035	0.99 (0.92, 1.05)	0.671	0.965	NA	NA	NA

INTERVAL	NRP1	rs2506149	-0.038	0.090	0.96 (0.81, 1.15)	0.673	0.965	NA	NA	NA
INTERVAL	protein Z inhibitor	rs2232710	-0.039	0.092	0.96 (0.80, 1.15)	0.673	0.965	NA	NA	NA
INTERVAL	AP4AT	rs61745945	0.062	0.147	1.06 (0.80, 1.42)	0.675	0.965	NA	NA	NA
INTERVAL	IL-12 RB2	rs12566098	-0.042	0.103	0.96 (0.78, 1.17)	0.679	0.965	NA	NA	NA
INTERVAL	ASPN	rs2516568	0.022	0.055	1.02 (0.92, 1.14)	0.681	0.965	NA	NA	NA
INTERVAL	NCAM-120	rs7113211	-0.053	0.130	0.95 (0.73, 1.22)	0.682	0.965	NA	NA	NA
INTERVAL	LY9	rs12128261	-0.050	0.124	0.95 (0.75, 1.21)	0.685	0.965	NA	NA	NA
INTERVAL	Aldo-keto reductase 1C1	rs145648894	-0.037	0.091	0.96 (0.81, 1.15)	0.688	0.965	NA	NA	NA
INTERVAL	IGLL1	rs139571703	-0.099	0.246	0.91 (0.56, 1.47)	0.688	0.965	NA	NA	NA
INTERVAL	ANGL1	rs16853043	-0.024	0.059	0.98 (0.87, 1.10)	0.689	0.965	NA	NA	NA
INTERVAL	Lysozyme	rs4761234	-0.020	0.052	0.98 (0.89, 1.08)	0.695	0.965	NA	NA	NA
INTERVAL	APMAP	rs8125909	-0.050	0.128	0.95 (0.74, 1.22)	0.695	0.965	NA	NA	NA
INTERVAL	TCCR	rs35026308	-0.018	0.045	0.98 (0.90, 1.07)	0.697	0.965	NA	NA	NA
INTERVAL	RNAS4	rs12588573	0.026	0.068	1.03 (0.90, 1.17)	0.698	0.965	NA	NA	NA
INTERVAL	TLR4:MD-2 complex	rs6472812	-0.068	0.177	0.93 (0.66, 1.32)	0.700	0.965	NA	NA	NA
INTERVAL	MA2B2	rs2301790	-0.029	0.076	0.97 (0.84, 1.13)	0.702	0.965	NA	NA	NA
INTERVAL	FPRP	rs4233450	0.012	0.032	1.01 (0.95, 1.08)	0.707	0.965	NA	NA	NA
INTERVAL	GFRa-1	rs10885877	-0.039	0.104	0.96 (0.78, 1.18)	0.707	0.965	NA	NA	NA
INTERVAL	IL-27	rs181209	0.061	0.162	1.06 (0.77, 1.46)	0.707	0.965	NA	NA	NA
INTERVAL	TWEAK	rs12941509	0.026	0.070	1.03 (0.89, 1.18)	0.709	0.965	NA	NA	NA
INTERVAL	IGFBP-7	rs1718849	0.030	0.082	1.03 (0.88, 1.21)	0.710	0.965	NA	NA	NA
INTERVAL	VEGF121	rs6921438	0.013	0.037	1.01 (0.94, 1.09)	0.721	0.965	NA	NA	NA
INTERVAL	VEGF	rs6921438	0.022	0.061	1.02 (0.91, 1.15)	0.721	0.965	NA	NA	NA
INTERVAL	ISLR2	rs2959011	0.045	0.129	1.05 (0.81, 1.35)	0.725	0.965	NA	NA	NA
INTERVAL	Carbonic anhydrase III	rs2072696	-0.046	0.133	0.95 (0.74, 1.24)	0.730	0.965	NA	NA	NA
INTERVAL	PATE4	rs875500	0.019	0.055	1.02 (0.92, 1.13)	0.733	0.965	NA	NA	NA
INTERVAL	EMIL3	rs61739314	-0.036	0.105	0.96 (0.78, 1.19)	0.733	0.965	NA	NA	NA
INTERVAL	ARFP1	rs4619875	0.037	0.109	1.04 (0.84, 1.29)	0.733	0.965	NA	NA	NA
INTERVAL	IGF-II receptor	rs629849	0.015	0.043	1.01 (0.93, 1.11)	0.734	0.965	NA	NA	NA
INTERVAL	FA20A	rs929477	-0.042	0.123	0.96 (0.75, 1.22)	0.735	0.965	NA	NA	NA
INTERVAL	PF4V	rs941758	0.019	0.056	1.02 (0.91, 1.14)	0.736	0.965	NA	NA	NA
INTERVAL	MPIF-1	rs72830000	0.019	0.055	1.02 (0.91, 1.14)	0.738	0.965	NA	NA	NA
INTERVAL	HCC-1	rs9903158	-0.017	0.052	0.98 (0.89, 1.09)	0.741	0.965	NA	NA	NA

INTERVAL	UCMA	rs2093847	0.024	0.073	1.02 (0.89, 1.18)	0.742	0.965	NA	NA	NA
INTERVAL	SLAF7	rs11581248	0.010	0.031	1.01 (0.95, 1.07)	0.743	0.965	NA	NA	NA
INTERVAL	ASAH2	rs10740617	-0.015	0.046	0.98 (0.90, 1.08)	0.743	0.965	NA	NA	NA
INTERVAL	TIMP-4	rs454615	-0.022	0.068	0.98 (0.86, 1.12)	0.744	0.965	NA	NA	NA
INTERVAL	sTie-1	rs2275180	0.032	0.099	1.03 (0.85, 1.25)	0.745	0.965	NA	NA	NA
INTERVAL	PGRP-S	rs8102493	-0.041	0.125	0.96 (0.75, 1.23)	0.745	0.965	NA	NA	NA
INTERVAL	Aldose reductase	rs2229542	-0.053	0.163	0.95 (0.69, 1.31)	0.746	0.965	NA	NA	NA
INTERVAL	IL-1Ra	rs6761276	0.042	0.132	1.04 (0.81, 1.35)	0.747	0.965	NA	NA	NA
INTERVAL	LD78-beta	rs2015086	-0.024	0.076	0.98 (0.84, 1.13)	0.749	0.965	NA	NA	NA
INTERVAL	LMA2L	rs2271893	0.032	0.099	1.03 (0.85, 1.25)	0.750	0.965	NA	NA	NA
INTERVAL	SCAR5	rs10866867	0.035	0.110	1.04 (0.83, 1.28)	0.750	0.965	NA	NA	NA
INTERVAL	C1QC	rs78865058	-0.020	0.065	0.98 (0.86, 1.11)	0.752	0.965	NA	NA	NA
INTERVAL	NTNG1	rs115668827	0.020	0.063	1.02 (0.90, 1.15)	0.753	0.965	NA	NA	NA
INTERVAL	GLRX2	rs148212596	-0.037	0.117	0.96 (0.77, 1.21)	0.753	0.965	NA	NA	NA
INTERVAL	GPX7	rs1097234	0.019	0.060	1.02 (0.91, 1.15)	0.755	0.965	NA	NA	NA
INTERVAL	UCRP	rs1891906	0.039	0.127	1.04 (0.81, 1.34)	0.757	0.965	NA	NA	NA
INTERVAL	CXCL16, soluble	rs144830084	0.039	0.127	1.04 (0.81, 1.33)	0.758	0.965	NA	NA	NA
INTERVAL	DSC2	rs1789063	0.042	0.139	1.04 (0.79, 1.37)	0.764	0.970	NA	NA	NA
INTERVAL	MATN4	rs11697677	-0.037	0.122	0.96 (0.76, 1.23)	0.765	0.970	NA	NA	NA
INTERVAL	WISP-1	rs35472615	-0.016	0.055	0.98 (0.88, 1.10)	0.768	0.970	NA	NA	NA
INTERVAL	IL-16	rs4778639	-0.020	0.068	0.98 (0.86, 1.12)	0.772	0.973	NA	NA	NA
INTERVAL	SHPS1	rs6136377	-0.006	0.022	0.99 (0.95, 1.04)	0.778	0.975	NA	NA	NA
INTERVAL	PTHrP	rs10843115	0.041	0.145	1.04 (0.78, 1.38)	0.779	0.975	NA	NA	NA
INTERVAL	uPA	rs2227551	0.032	0.113	1.03 (0.83, 1.29)	0.780	0.975	NA	NA	NA
INTERVAL	Contactin-5	rs4316475	0.034	0.124	1.03 (0.81, 1.32)	0.783	0.977	NA	NA	NA
INTERVAL	ARTS1	rs17482078	0.009	0.032	1.01 (0.95, 1.07)	0.790	0.977	NA	NA	NA
INTERVAL	ADAMTS-5	rs2830586	-0.016	0.059	0.98 (0.88, 1.10)	0.790	0.977	NA	NA	NA
INTERVAL	QSOX2	rs10858248	0.019	0.071	1.02 (0.89, 1.17)	0.790	0.977	NA	NA	NA
INTERVAL	PPAC	rs79716074	0.006	0.023	1.01 (0.96, 1.05)	0.795	0.977	NA	NA	NA
INTERVAL	Vitronectin	rs704	0.006	0.025	1.01 (0.96, 1.06)	0.796	0.977	NA	NA	NA
INTERVAL	OBP2B	rs4454354	-0.021	0.083	0.98 (0.83, 1.15)	0.797	0.977	NA	NA	NA
INTERVAL	MGAT2	rs28396798	-0.033	0.128	0.97 (0.75, 1.24)	0.797	0.977	NA	NA	NA
INTERVAL	TM149	rs12459634	-0.013	0.050	0.99 (0.89, 1.09)	0.800	0.977	NA	NA	NA

INTERVAL	ISK6	rs1432688	0.011	0.045	1.01 (0.93, 1.10)	0.801	0.977	NA	NA	NA
INTERVAL	SEM3G	rs2016575	0.031	0.125	1.03 (0.81, 1.32)	0.804	0.978	NA	NA	NA
INTERVAL	SIG14	rs1106476	-0.010	0.040	0.99 (0.92, 1.07)	0.806	0.978	NA	NA	NA
INTERVAL	a2-HS-Glycoprotein	rs35094235	0.011	0.044	1.01 (0.93, 1.10)	0.810	0.978	NA	NA	NA
INTERVAL	RET	rs2795507	-0.028	0.119	0.97 (0.77, 1.23)	0.813	0.978	NA	NA	NA
INTERVAL	Kallistatin	rs10139745	0.011	0.048	1.01 (0.92, 1.11)	0.814	0.978	NA	NA	NA
INTERVAL	Kallistatin	rs10139745	0.014	0.061	1.01 (0.90, 1.14)	0.814	0.978	NA	NA	NA
INTERVAL	Coagulation Factor Xa	rs547138	0.026	0.113	1.03 (0.82, 1.28)	0.819	0.978	NA	NA	NA
INTERVAL	Coagulation Factor X	rs547138	0.027	0.120	1.03 (0.81, 1.30)	0.819	0.978	NA	NA	NA
INTERVAL	AGO61	rs729654	-0.022	0.098	0.98 (0.81, 1.18)	0.820	0.978	NA	NA	NA
INTERVAL	IL-1 R AcP	rs6444442	0.006	0.026	1.01 (0.96, 1.06)	0.822	0.979	NA	NA	NA
INTERVAL	ENTP5	rs57731447	-0.012	0.053	0.99 (0.89, 1.10)	0.824	0.979	NA	NA	NA
INTERVAL	sRAGE	rs2070600	-0.045	0.206	0.96 (0.64, 1.43)	0.828	0.981	NA	NA	NA
INTERVAL	IL-23	rs4921484	0.019	0.089	1.02 (0.86, 1.21)	0.830	0.981	NA	NA	NA
INTERVAL	PSP-94	rs10993994	-0.005	0.027	0.99 (0.94, 1.05)	0.840	0.985	NA	NA	NA
INTERVAL	CBPM	rs1908671	0.031	0.152	1.03 (0.77, 1.39)	0.840	0.985	NA	NA	NA
INTERVAL	F151A	rs11206397	-0.020	0.098	0.98 (0.81, 1.19)	0.842	0.985	NA	NA	NA
INTERVAL	CNTN2	rs2071533	0.010	0.048	1.01 (0.92, 1.11)	0.843	0.985	NA	NA	NA
INTERVAL	PDGFD	rs7950273	-0.019	0.101	0.98 (0.81, 1.20)	0.848	0.985	NA	NA	NA
INTERVAL	CNTFR alpha	rs10972159	0.029	0.150	1.03 (0.77, 1.38)	0.848	0.985	NA	NA	NA
INTERVAL	Periostin	rs117103342	-0.034	0.176	0.97 (0.69, 1.37)	0.849	0.985	NA	NA	NA
INTERVAL	Periostin	rs117103342	-0.038	0.197	0.96 (0.65, 1.42)	0.849	0.985	NA	NA	NA
INTERVAL	Myeloperoxidase	rs34097845	0.022	0.122	1.02 (0.81, 1.30)	0.856	0.989	NA	NA	NA
INTERVAL	complement factor H-related 5	rs72732234	0.019	0.104	1.02 (0.83, 1.25)	0.858	0.989	NA	NA	NA
INTERVAL	Haptoglobin, Mixed Type	rs217184	-0.007	0.037	0.99 (0.92, 1.07)	0.860	0.989	NA	NA	NA
INTERVAL	Cathepsin S	rs41271951	0.010	0.059	1.01 (0.90, 1.13)	0.861	0.989	NA	NA	NA
INTERVAL	COL11A2	rs3129205	-0.019	0.111	0.98 (0.79, 1.22)	0.863	0.989	NA	NA	NA
INTERVAL	Factor B	rs4151667	-0.012	0.071	0.99 (0.86, 1.14)	0.868	0.989	NA	NA	NA
INTERVAL	TFF1	rs3761376	-0.022	0.134	0.98 (0.75, 1.27)	0.869	0.989	NA	NA	NA
INTERVAL	FAM3B	rs73226194	0.009	0.057	1.01 (0.90, 1.13)	0.870	0.989	NA	NA	NA
INTERVAL	CK-MM	rs11559024	0.025	0.151	1.02 (0.76, 1.38)	0.871	0.989	NA	NA	NA
INTERVAL	Apo A-V	rs964184	0.023	0.142	1.02 (0.77, 1.35)	0.872	0.989	NA	NA	NA
INTERVAL	NEC1	rs6234	-0.004	0.026	1.00 (0.95, 1.05)	0.877	0.991	NA	NA	NA

INTERVAL	HAAH	rs112760834	-0.020	0.133	0.98 (0.76, 1.27)	0.883	0.994	NA	NA	NA
INTERVAL	Cystatin M	rs3825068	0.021	0.150	1.02 (0.76, 1.37)	0.886	0.994	NA	NA	NA
INTERVAL	Cystatin M	rs3825068	0.022	0.156	1.02 (0.75, 1.39)	0.886	0.994	NA	NA	NA
INTERVAL	ILT-2	rs2114511	-0.004	0.032	1.00 (0.94, 1.06)	0.887	0.994	NA	NA	NA
INTERVAL	RGMB	rs1563317	0.016	0.112	1.02 (0.81, 1.27)	0.889	0.994	NA	NA	NA
INTERVAL	SIG12	rs3826667	0.004	0.030	1.00 (0.95, 1.06)	0.891	0.994	NA	NA	NA
INTERVAL	SMOC1	rs1958078	0.012	0.093	1.01 (0.84, 1.21)	0.900	0.998	NA	NA	NA
INTERVAL	a-Synuclein	rs2245801	0.015	0.120	1.01 (0.80, 1.28)	0.902	0.998	NA	NA	NA
INTERVAL	HEM4	rs10794029	0.016	0.132	1.02 (0.78, 1.32)	0.902	0.998	NA	NA	NA
INTERVAL	FUT5	rs778809	0.005	0.046	1.01 (0.92, 1.10)	0.908	0.998	NA	NA	NA
INTERVAL	LPLC1	rs2424961	-0.007	0.058	0.99 (0.89, 1.11)	0.909	0.998	NA	NA	NA
INTERVAL	Granzyme M	rs16989724	0.018	0.167	1.02 (0.73, 1.41)	0.913	0.998	NA	NA	NA
INTERVAL	PDIA5	rs2278668	-0.005	0.048	0.99 (0.90, 1.09)	0.915	0.998	NA	NA	NA
INTERVAL	PD-L2	rs16923189	-0.007	0.070	0.99 (0.86, 1.14)	0.915	0.998	NA	NA	NA
INTERVAL	CPNE1	rs12481228	0.004	0.043	1.00 (0.92, 1.09)	0.926	0.998	NA	NA	NA
INTERVAL	GST A1-1	rs2290758	0.006	0.062	1.01 (0.89, 1.14)	0.926	0.998	NA	NA	NA
INTERVAL	FUT8	rs2127870	-0.002	0.028	1.00 (0.94, 1.05)	0.930	0.998	NA	NA	NA
INTERVAL	MANBA	rs227370	0.004	0.047	1.00 (0.92, 1.10)	0.930	0.998	NA	NA	NA
INTERVAL	FAM3B	rs57529409	0.006	0.067	1.01 (0.88, 1.15)	0.931	0.998	NA	NA	NA
INTERVAL	sL-Selectin	rs4987358	0.005	0.054	1.00 (0.90, 1.12)	0.932	0.998	NA	NA	NA
INTERVAL	B4GT1	rs7019909	0.008	0.092	1.01 (0.84, 1.21)	0.932	0.998	NA	NA	NA
INTERVAL	MANS1	rs2160588	-0.006	0.079	0.99 (0.85, 1.16)	0.937	0.998	NA	NA	NA
INTERVAL	COL	rs9380534	0.004	0.056	1.00 (0.90, 1.12)	0.940	0.998	NA	NA	NA
INTERVAL	Carbonyl reductase 3	rs1028997	0.002	0.034	1.00 (0.94, 1.07)	0.941	0.998	NA	NA	NA
INTERVAL	Kallikrein 11	rs1048328	0.003	0.040	1.00 (0.93, 1.08)	0.942	0.998	NA	NA	NA
INTERVAL	IL-15 Ra	rs8177654	-0.007	0.092	0.99 (0.83, 1.19)	0.942	0.998	NA	NA	NA
INTERVAL	IL-1 R4	rs10179654	0.002	0.028	1.00 (0.95, 1.06)	0.947	0.998	NA	NA	NA
INTERVAL	IDUA	rs3822020	-0.003	0.044	1.00 (0.91, 1.09)	0.947	0.998	NA	NA	NA
INTERVAL	CBLN4	rs74447607	-0.010	0.144	0.99 (0.75, 1.31)	0.947	0.998	NA	NA	NA
INTERVAL	COFA1	rs41305481	-0.007	0.111	0.99 (0.80, 1.23)	0.950	0.998	NA	NA	NA
INTERVAL	CREL1	rs7627326	0.002	0.028	1.00 (0.95, 1.06)	0.954	0.998	NA	NA	NA
INTERVAL	GALP	rs111265125	0.011	0.186	1.01 (0.70, 1.45)	0.955	0.998	NA	NA	NA
INTERVAL	HCG	rs79785970	-0.002	0.042	1.00 (0.92, 1.08)	0.956	0.998	NA	NA	NA

INTERVAL	Cathepsin B	rs1692819	0.003	0.067	1.00 (0.88, 1.14)	0.961	0.998	NA	NA	NA
INTERVAL	Glutathione S-transferase Pi	rs1695	-0.007	0.153	0.99 (0.74, 1.34)	0.962	0.998	NA	NA	NA
INTERVAL	OFUT1	rs76143353	-0.003	0.072	1.00 (0.86, 1.15)	0.963	0.998	NA	NA	NA
INTERVAL	SAA	rs35179000	0.001	0.024	1.00 (0.95, 1.05)	0.966	0.998	NA	NA	NA
INTERVAL	PKHA7	rs382280	0.006	0.141	1.01 (0.76, 1.33)	0.967	0.998	NA	NA	NA
INTERVAL	ASM3A	rs28385609	0.001	0.035	1.00 (0.93, 1.07)	0.968	0.998	NA	NA	NA
INTERVAL	ITI heavy chain H1	rs1042779	-0.001	0.040	1.00 (0.92, 1.08)	0.972	0.998	NA	NA	NA
INTERVAL	CECR1	rs2231495	-0.001	0.032	1.00 (0.94, 1.06)	0.977	0.998	NA	NA	NA
INTERVAL	K1161	rs10972076	0.002	0.082	1.00 (0.85, 1.18)	0.978	0.998	NA	NA	NA
INTERVAL	GFRa-2	rs15881	0.002	0.085	1.00 (0.85, 1.18)	0.981	0.998	NA	NA	NA
INTERVAL	NUD12	rs74692061	-0.002	0.089	1.00 (0.84, 1.19)	0.983	0.998	NA	NA	NA
INTERVAL	CD23	rs12973524	-0.002	0.082	1.00 (0.85, 1.17)	0.984	0.998	NA	NA	NA
INTERVAL	Luteinizing hormone	rs139643250	-0.001	0.070	1.00 (0.87, 1.14)	0.985	0.998	NA	NA	NA
INTERVAL	XTP3B	rs58359565	-0.002	0.144	1.00 (0.75, 1.32)	0.987	0.998	NA	NA	NA
INTERVAL	VEGF sR2	rs34231037	-0.001	0.094	1.00 (0.83, 1.20)	0.990	0.998	NA	NA	NA
INTERVAL	IL-15 Ra	rs8177641	-0.001	0.051	1.00 (0.90, 1.11)	0.991	0.998	NA	NA	NA
INTERVAL	a2-Antiplasmin	rs11657394	0.002	0.177	1.00 (0.71, 1.42)	0.991	0.998	NA	NA	NA
INTERVAL	B3GA3	rs12794886	-4.52E-04	0.063	1.00 (0.88, 1.13)	0.994	0.998	NA	NA	NA
INTERVAL	kallikrein 12	rs3745540	-0.001	0.087	1.00 (0.84, 1.18)	0.994	0.998	NA	NA	NA
INTERVAL	LSHB	rs75287599	-0.001	0.108	1.00 (0.81, 1.24)	0.995	0.998	NA	NA	NA
INTERVAL	PLA2R	rs3749117	-1.11E-04	0.028	1.00 (0.95, 1.06)	0.997	0.998	NA	NA	NA
INTERVAL	FCG3B	rs10919543	-2.30E-04	0.064	1.00 (0.88, 1.13)	0.997	0.998	NA	NA	NA
INTERVAL	KDEL2	rs74911261	-1.52E-04	0.073	1.00 (0.87, 1.15)	0.998	0.998	NA	NA	NA
INTERVAL	GP1BA	rs72835078	-3.05E-04	0.136	1.00 (0.77, 1.31)	0.998	0.998	NA	NA	NA
Icelanders	GUK1	rs61825157	0.530	0.165	1.70 (1.23, 2.35)	0.001	0.397	0.915	20	64.5%
Icelanders	CCNH	rs2230641	-0.984	0.310	0.37 (0.20, 0.69)	0.001	0.397	0.728	20	68.8%
Icelanders	TBCB	rs2231569	1.613	0.497	5.02 (1.89, 13.30)	0.001	0.397	0.140	20	87.2%
Icelanders	HS6ST1	rs840870	0.443	0.177	1.56 (1.10, 2.20)	0.012	0.709	0.236	20	4.0%
Icelanders	SERPINB1	rs2293772	-0.750	0.334	0.47 (0.25, 0.91)	0.025	0.709	0.323	20	8.1%
Icelanders	DAPK2	rs34772505	0.219	0.096	1.24 (1.03, 1.50)	0.023	0.709	0.447	20	8.8%
Icelanders	CNTN4	rs163352	-0.266	0.118	0.77 (0.61, 0.97)	0.024	0.709	0.511	20	10.4%
Icelanders	PIANP	rs11064321	0.448	0.197	1.57 (1.06, 2.30)	0.023	0.709	0.497	20	11.5%
Icelanders	PIANP	rs11064321	0.501	0.221	1.65 (1.07, 2.54)	0.023	0.709	0.497	20	11.5%

Icelanders	RTN4R	rs75765	-0.226	0.100	0.80 (0.66, 0.97)	0.024	0.709	0.370	20	13.2%
Icelanders	SELPLG	rs73191242	-0.245	0.110	0.78 (0.63, 0.97)	0.026	0.709	0.211	20	13.3%
Icelanders	GAS6	rs6602909	-0.277	0.122	0.76 (0.60, 0.96)	0.023	0.709	0.669	20	14.1%
Icelanders	SIGLEC1	rs150358287	-1.240	0.508	0.29 (0.11, 0.78)	0.015	0.709	NA	NA	14.5%
Icelanders	IL18RAP	rs4851010	-0.756	0.338	0.47 (0.24, 0.91)	0.025	0.709	0.086	20	15.0%
Icelanders	IGFBP3	rs145188037	0.264	0.117	1.30 (1.03, 1.64)	0.025	0.709	NA	NA	16.4%
Icelanders	SECTM1	rs4789763	0.350	0.141	1.42 (1.08, 1.87)	0.013	0.709	0.392	20	17.0%
Icelanders	NADK	rs4648629	-0.551	0.231	0.58 (0.37, 0.91)	0.017	0.709	0.428	20	17.2%
Icelanders	CD5L	rs2765501	-0.207	0.083	0.81 (0.69, 0.96)	0.012	0.709	0.513	20	18.4%
Icelanders	FSTL1	rs1147707	-0.467	0.191	0.63 (0.43, 0.91)	0.014	0.709	0.522	20	19.3%
Icelanders	UROS	rs1935451	-0.356	0.154	0.70 (0.52, 0.95)	0.021	0.709	0.923	20	19.7%
Icelanders	ROR2	rs10820918	-0.450	0.179	0.64 (0.45, 0.90)	0.012	0.709	0.601	20	21.0%
Icelanders	NPPB	rs198389	-0.257	0.098	0.77 (0.64, 0.94)	0.009	0.709	0.779	20	22.6%
Icelanders	NPPB	rs198389	-0.741	0.290	0.48 (0.27, 0.84)	0.011	0.709	0.670	20	23.6%
Icelanders	TCEA2	rs6011275	-0.572	0.216	0.56 (0.37, 0.86)	0.008	0.709	0.156	20	24.1%
Icelanders	REG4	rs3009182	0.551	0.218	1.74 (1.13, 2.66)	0.011	0.709	0.896	7	26.7%
Icelanders	HSPA1B	rs72848261	1.735	0.722	5.67 (1.38, 23.34)	0.016	0.709	0.959	20	28.1%
Icelanders	HHIP	rs11727676	0.538	0.203	1.71 (1.15, 2.55)	0.008	0.709	0.051	20	38.1%
Icelanders	PKP2	rs9919823	0.845	0.309	2.33 (1.27, 4.27)	0.006	0.709	0.825	20	41.9%
Icelanders	POR	rs59882870	-0.515	0.183	0.60 (0.42, 0.86)	0.005	0.709	0.177	20	44.0%
Icelanders	IL12RB1	rs429774	-0.693	0.351	0.50 (0.25, 0.99)	0.048	0.726	0.186	20	0.7%
Icelanders	PLG	rs143079629	0.263	0.128	1.30 (1.01, 1.67)	0.041	0.726	NA	NA	1.0%
Icelanders	F2	rs3136516	-0.524	0.258	0.59 (0.36, 0.98)	0.042	0.726	0.788	20	3.2%
Icelanders	F2	rs3136516	-0.476	0.234	0.62 (0.39, 0.98)	0.041	0.726	0.806	20	3.3%
Icelanders	SNUPN	rs8028182	0.418	0.212	1.52 (1.00, 2.30)	0.049	0.726	0.812	20	5.7%
Icelanders	NCAM1	rs2288158	0.244	0.112	1.28 (1.03, 1.59)	0.029	0.726	NA	NA	6.5%
Icelanders	TAGLN2	rs2789422	0.564	0.286	1.76 (1.00, 3.08)	0.048	0.726	0.903	16	7.6%
Icelanders	TAGLN2	rs2789422	0.564	0.286	1.76 (1.00, 3.08)	0.048	0.726	0.909	16	7.6%
Icelanders	SIRPG	rs6043409	0.361	0.173	1.44 (1.02, 2.02)	0.037	0.726	0.271	20	7.8%
Icelanders	CD14	rs5744454	-0.232	0.116	0.79 (0.63, 1.00)	0.046	0.726	0.182	20	7.9%
Icelanders	CD14	rs5744454	-0.293	0.147	0.75 (0.56, 0.99)	0.046	0.726	0.228	20	7.9%
Icelanders	RARRES2	rs883138	0.240	0.116	1.27 (1.01, 1.60)	0.039	0.726	0.932	20	8.1%
Icelanders	ANGPT2	rs1968586	-0.440	0.201	0.64 (0.43, 0.95)	0.028	0.726	0.458	20	8.6%

Icelanders	MSMP	rs10758322	-0.848	0.431	0.43 (0.18, 1.00)	0.049	0.726	0.252	20	9.0%
Icelanders	NPDC1	rs9314872	1.046	0.532	2.84 (1.00, 8.07)	0.049	0.726	0.565	20	9.3%
Icelanders	BPIFA2	rs3818222	-0.723	0.332	0.49 (0.25, 0.93)	0.029	0.726	0.390	20	9.9%
Icelanders	PRSS22	rs7204669	-0.238	0.115	0.79 (0.63, 0.99)	0.039	0.726	0.785	20	10.2%
Icelanders	IGFBP5	rs7598172	1.144	0.532	3.14 (1.11, 8.90)	0.031	0.726	0.161	20	11.2%
Icelanders	NDE1	rs7206272	-0.758	0.378	0.47 (0.22, 0.98)	0.045	0.726	0.513	20	13.6%
Icelanders	CAT	rs769218	-0.303	0.141	0.74 (0.56, 0.97)	0.031	0.726	0.219	20	17.1%
Icelanders	HSPA1A	rs6929057	0.677	0.323	1.97 (1.05, 3.70)	0.036	0.726	0.973	20	22.0%
Icelanders	TNFAIP3	rs5029937	0.347	0.177	1.41 (1.00, 2.00)	0.050	0.726	NA	NA	NA
Icelanders	ADI1	rs10179340	0.637	0.327	1.89 (1.00, 3.59)	0.051	0.726	NA	NA	NA
Icelanders	S100A4	rs41265162	-0.648	0.333	0.52 (0.27, 1.01)	0.052	0.726	NA	NA	NA
Icelanders	TMEM132B	rs3825381	-0.348	0.180	0.71 (0.50, 1.01)	0.053	0.726	NA	NA	NA
Icelanders	GZMB	rs78564162	0.566	0.292	1.76 (0.99, 3.12)	0.053	0.726	NA	NA	NA
Icelanders	QPCTL	rs17850756	0.181	0.094	1.20 (1.00, 1.44)	0.055	0.726	NA	NA	NA
Icelanders	A2ML1	rs1558526	0.237	0.124	1.27 (0.99, 1.62)	0.055	0.726	NA	NA	NA
Icelanders	PLA2G12B	rs3829126	-0.552	0.289	0.58 (0.33, 1.01)	0.056	0.726	NA	NA	NA
Icelanders	SORCS1	rs2210969	-0.845	0.443	0.43 (0.18, 1.02)	0.057	0.726	NA	NA	NA
Icelanders	PLCG1	rs753381	-0.707	0.373	0.49 (0.24, 1.02)	0.058	0.726	NA	NA	NA
Icelanders	ETFA	rs78185702	-0.936	0.498	0.39 (0.15, 1.04)	0.060	0.726	NA	NA	NA
Icelanders	BID	rs183393610	-0.970	0.515	0.38 (0.14, 1.04)	0.060	0.726	NA	NA	NA
Icelanders	ARSB	rs11743362	-0.368	0.197	0.69 (0.47, 1.02)	0.061	0.726	NA	NA	NA
Icelanders	RAB22A	rs35933296	0.852	0.455	2.34 (0.96, 5.72)	0.061	0.726	NA	NA	NA
Icelanders	FKBP1B	rs55788848	-0.215	0.116	0.81 (0.64, 1.01)	0.064	0.726	NA	NA	NA
Icelanders	POLM	rs142059440	-0.470	0.254	0.63 (0.38, 1.03)	0.064	0.726	NA	NA	NA
Icelanders	CA11	rs2303147	0.368	0.200	1.44 (0.98, 2.14)	0.066	0.726	NA	NA	NA
Icelanders	ANXA5	rs9995591	0.331	0.181	1.39 (0.98, 1.98)	0.067	0.726	NA	NA	NA
Icelanders	CCL17	rs28695417	0.207	0.114	1.23 (0.98, 1.54)	0.068	0.726	NA	NA	NA
Icelanders	CRLF1	rs7246833	-0.223	0.122	0.80 (0.63, 1.02)	0.068	0.726	NA	NA	NA
Icelanders	KRT20	rs4796667	-0.803	0.440	0.45 (0.19, 1.06)	0.068	0.726	NA	NA	NA
Icelanders	ACADVL	rs507506	0.960	0.526	2.61 (0.93, 7.33)	0.068	0.726	NA	NA	NA
Icelanders	FN1	rs1250259	0.318	0.176	1.37 (0.97, 1.94)	0.072	0.726	NA	NA	NA
Icelanders	CADM1	rs11215406	-0.347	0.192	0.71 (0.48, 1.03)	0.072	0.726	NA	NA	NA
Icelanders	ADIPOQ	rs143257534	-0.218	0.122	0.80 (0.63, 1.02)	0.073	0.726	NA	NA	NA

Icelanders	APOM	rs805295	0.313	0.174	1.37 (0.97, 1.92)	0.073	0.726	NA	NA	NA
Icelanders	FABP1	rs2241883	0.443	0.247	1.56 (0.96, 2.53)	0.073	0.726	NA	NA	NA
Icelanders	FN1	rs1250258	0.276	0.156	1.32 (0.97, 1.79)	0.077	0.726	NA	NA	NA
Icelanders	HOMER2	rs1256430	-0.681	0.386	0.51 (0.24, 1.08)	0.077	0.726	NA	NA	NA
Icelanders	SIGLEC7	rs140185670	0.220	0.125	1.25 (0.98, 1.59)	0.078	0.726	NA	NA	NA
Icelanders	FN1	rs1250258	0.310	0.176	1.36 (0.97, 1.92)	0.078	0.726	NA	NA	NA
Icelanders	HAPLN4	rs10403273	0.529	0.300	1.70 (0.94, 3.06)	0.078	0.726	NA	NA	NA
Icelanders	ALDH3A1	rs4646787	-0.354	0.201	0.70 (0.47, 1.04)	0.079	0.726	NA	NA	NA
Icelanders	HTRA1	rs61871680	-0.546	0.314	0.58 (0.31, 1.07)	0.082	0.726	NA	NA	NA
Icelanders	SVEP1	rs61751937	0.174	0.101	1.19 (0.98, 1.45)	0.083	0.726	NA	NA	NA
Icelanders	HGD	rs2042482	0.478	0.276	1.61 (0.94, 2.77)	0.083	0.726	NA	NA	NA
Icelanders	PTPRS	rs55763631	-0.675	0.389	0.51 (0.24, 1.09)	0.083	0.726	NA	NA	NA
Icelanders	ICOSLG	rs56124762	0.686	0.395	1.99 (0.91, 4.31)	0.083	0.726	NA	NA	NA
Icelanders	SVEP1	rs61751937	0.189	0.109	1.21 (0.98, 1.49)	0.084	0.726	NA	NA	NA
Icelanders	KLRB1	rs1135816	0.194	0.112	1.21 (0.97, 1.51)	0.084	0.726	NA	NA	NA
Icelanders	TIGIT	rs73238029	0.635	0.369	1.89 (0.92, 3.89)	0.085	0.726	NA	NA	NA
Icelanders	PLAUR	rs2302524	-0.249	0.145	0.78 (0.59, 1.04)	0.086	0.726	NA	NA	NA
Icelanders	PTGDS	rs7040970	-0.318	0.185	0.73 (0.51, 1.05)	0.086	0.726	NA	NA	NA
Icelanders	CRAT	rs6478861	-0.541	0.315	0.58 (0.31, 1.08)	0.086	0.726	NA	NA	NA
Icelanders	SPINK2	rs11941268	0.201	0.117	1.22 (0.97, 1.54)	0.087	0.726	NA	NA	NA
Icelanders	METAP1	rs7676259	-0.730	0.427	0.48 (0.21, 1.11)	0.087	0.726	NA	NA	NA
Icelanders	NMB	rs11633788	-0.316	0.187	0.73 (0.51, 1.05)	0.090	0.731	NA	NA	NA
Icelanders	SAR1A	rs870801	0.279	0.165	1.32 (0.96, 1.82)	0.091	0.731	NA	NA	NA
Icelanders	UROD	rs12749939	0.177	0.105	1.19 (0.97, 1.47)	0.092	0.731	NA	NA	NA
Icelanders	SNX8	rs2398666	0.488	0.291	1.63 (0.92, 2.88)	0.094	0.731	NA	NA	NA
Icelanders	SERPINA9	rs11850199	-0.257	0.154	0.77 (0.57, 1.05)	0.095	0.731	NA	NA	NA
Icelanders	CPZ	rs13127468	-0.647	0.388	0.52 (0.24, 1.12)	0.095	0.731	NA	NA	NA
Icelanders	CREG1	rs7513428	0.262	0.159	1.30 (0.95, 1.77)	0.099	0.731	NA	NA	NA
Icelanders	EFNA3	rs67333363	-0.932	0.565	0.39 (0.13, 1.19)	0.099	0.731	NA	NA	NA
Icelanders	GFRAL	rs72988065	-0.330	0.200	0.72 (0.49, 1.06)	0.100	0.731	NA	NA	NA
Icelanders	FBLN5	rs2430349	0.566	0.344	1.76 (0.90, 3.46)	0.100	0.731	NA	NA	NA
Icelanders	SLITRK6	rs9547175	0.250	0.152	1.28 (0.95, 1.73)	0.101	0.731	NA	NA	NA
Icelanders	SFRP1	rs72643819	0.273	0.166	1.31 (0.95, 1.82)	0.101	0.731	NA	NA	NA

Icelanders	ULK3	rs936228	-0.504	0.309	0.60 (0.33, 1.11)	0.102	0.731	NA	NA	NA
Icelanders	NNMT	rs2604277	0.787	0.481	2.20 (0.86, 5.64)	0.102	0.731	NA	NA	NA
Icelanders	NRK1	rs11144225	-0.262	0.161	0.77 (0.56, 1.06)	0.104	0.731	NA	NA	NA
Icelanders	PLCG2	rs12445050	0.339	0.209	1.40 (0.93, 2.11)	0.104	0.731	NA	NA	NA
Icelanders	TNFSF14	rs413141	-0.360	0.224	0.70 (0.45, 1.08)	0.108	0.731	NA	NA	NA
Icelanders	KLK3	rs2659051	-0.767	0.477	0.46 (0.18, 1.18)	0.108	0.731	NA	NA	NA
Icelanders	SFRP4	rs2598105	-0.206	0.128	0.81 (0.63, 1.05)	0.109	0.731	NA	NA	NA
Icelanders	DBNL	rs56665454	0.664	0.415	1.94 (0.86, 4.38)	0.109	0.731	NA	NA	NA
Icelanders	PREP	rs12192369	-0.270	0.169	0.76 (0.55, 1.06)	0.110	0.731	NA	NA	NA
Icelanders	FAM172A	rs13165400	0.612	0.383	1.84 (0.87, 3.91)	0.110	0.731	NA	NA	NA
Icelanders	B4GALT2	rs3762423	0.176	0.111	1.19 (0.96, 1.48)	0.113	0.731	NA	NA	NA
Icelanders	AK1	rs9919018	-0.840	0.530	0.43 (0.15, 1.22)	0.113	0.731	NA	NA	NA
Icelanders	PRCP	rs2229437	-0.260	0.165	0.77 (0.56, 1.07)	0.115	0.731	NA	NA	NA
Icelanders	DLL1	rs9356631	-0.433	0.274	0.65 (0.38, 1.11)	0.115	0.731	NA	NA	NA
Icelanders	CHST11	rs1650132	-0.140	0.089	0.87 (0.73, 1.04)	0.117	0.731	NA	NA	NA
Icelanders	MMP10	rs486055	-0.147	0.094	0.86 (0.72, 1.04)	0.118	0.731	NA	NA	NA
Icelanders	RCL	rs144767533	-0.392	0.250	0.68 (0.41, 1.10)	0.118	0.731	NA	NA	NA
Icelanders	FAM3D	rs12493131	0.140	0.090	1.15 (0.96, 1.37)	0.120	0.731	NA	NA	NA
Icelanders	GMPR2	rs34354104	-0.192	0.124	0.83 (0.65, 1.05)	0.120	0.731	NA	NA	NA
Icelanders	PIGR	rs748844	0.282	0.181	1.33 (0.93, 1.89)	0.120	0.731	NA	NA	NA
Icelanders	GLRX3	rs12248841	0.489	0.314	1.63 (0.88, 3.02)	0.120	0.731	NA	NA	NA
Icelanders	PTEN	rs117002784	1.073	0.690	2.92 (0.76, 11.30)	0.120	0.731	NA	NA	NA
Icelanders	C10orf54	rs10762477	-0.151	0.097	0.86 (0.71, 1.04)	0.121	0.731	NA	NA	NA
Icelanders	C3	rs2230199	-0.584	0.378	0.56 (0.27, 1.17)	0.122	0.731	NA	NA	NA
Icelanders	PFKM	rs4760682	-0.257	0.166	0.77 (0.56, 1.07)	0.123	0.731	NA	NA	NA
Icelanders	CASP3	rs111667591	0.270	0.175	1.31 (0.93, 1.84)	0.123	0.731	NA	NA	NA
Icelanders	C1QTNF5	rs9640	-0.211	0.137	0.81 (0.62, 1.06)	0.125	0.733	NA	NA	NA
Icelanders	IVD	rs12902310	-0.349	0.228	0.71 (0.45, 1.10)	0.125	0.733	NA	NA	NA
Icelanders	ACAN	rs34949187	0.409	0.267	1.50 (0.89, 2.54)	0.126	0.733	NA	NA	NA
Icelanders	ZADH2	rs9240	0.442	0.290	1.56 (0.88, 2.75)	0.128	0.737	NA	NA	NA
Icelanders	ARRB1	rs504683	-0.538	0.354	0.58 (0.29, 1.17)	0.129	0.737	NA	NA	NA
Icelanders	LZIC	rs4265433	-1.133	0.747	0.32 (0.07, 1.39)	0.129	0.737	NA	NA	NA
Icelanders	CCM2	rs6958168	0.673	0.445	1.96 (0.82, 4.69)	0.131	0.737	NA	NA	NA

Icelanders	CLMP	rs7946718	0.198	0.131	1.22 (0.94, 1.58)	0.132	0.737	NA	NA	NA
Icelanders	UST	rs184021971	-0.370	0.246	0.69 (0.43, 1.12)	0.132	0.737	NA	NA	NA
Icelanders	RNASE2	rs2233859	0.299	0.200	1.35 (0.91, 2.00)	0.134	0.746	NA	NA	NA
Icelanders	ARHGAP25	rs13413887	-0.260	0.175	0.77 (0.55, 1.09)	0.137	0.749	NA	NA	NA
Icelanders	MATN2	rs78548919	0.319	0.215	1.38 (0.90, 2.10)	0.137	0.749	NA	NA	NA
Icelanders	DDT	rs41277305	-0.441	0.298	0.64 (0.36, 1.15)	0.139	0.749	NA	NA	NA
Icelanders	TNFSF15	rs56339337	-0.756	0.512	0.47 (0.17, 1.28)	0.140	0.749	NA	NA	NA
Icelanders	ANXA4	rs17037076	-0.154	0.105	0.86 (0.70, 1.05)	0.141	0.749	NA	NA	NA
Icelanders	SERPINF2	rs11078596	0.292	0.198	1.34 (0.91, 1.97)	0.141	0.749	NA	NA	NA
Icelanders	PSMD9	rs10770186	0.304	0.207	1.36 (0.90, 2.03)	0.141	0.749	NA	NA	NA
Icelanders	PAICS	rs138933625	0.595	0.409	1.81 (0.81, 4.04)	0.146	0.766	NA	NA	NA
Icelanders	CRNN	rs10494275	-0.276	0.191	0.76 (0.52, 1.10)	0.148	0.772	NA	NA	NA
Icelanders	SERPINB13	rs77157727	-0.276	0.192	0.76 (0.52, 1.11)	0.151	0.772	NA	NA	NA
Icelanders	RNPEP	rs6702334	0.131	0.092	1.14 (0.95, 1.37)	0.154	0.772	NA	NA	NA
Icelanders	ANXA11	rs2152546	0.233	0.163	1.26 (0.92, 1.74)	0.154	0.772	NA	NA	NA
Icelanders	ADH1C	rs283415	0.276	0.194	1.32 (0.90, 1.93)	0.154	0.772	NA	NA	NA
Icelanders	ALPPL2	rs12478529	0.223	0.157	1.25 (0.92, 1.70)	0.156	0.772	NA	NA	NA
Icelanders	MRVI1	rs4910165	0.338	0.239	1.40 (0.88, 2.24)	0.156	0.772	NA	NA	NA
Icelanders	ALAD	rs1800435	-0.157	0.111	0.85 (0.69, 1.06)	0.158	0.772	NA	NA	NA
Icelanders	STAMBPL1	rs1147604	0.354	0.250	1.42 (0.87, 2.33)	0.158	0.772	NA	NA	NA
Icelanders	PEAR1	rs4661012	0.198	0.141	1.22 (0.92, 1.61)	0.160	0.772	NA	NA	NA
Icelanders	C6	rs181908440	-0.207	0.147	0.81 (0.61, 1.08)	0.160	0.772	NA	NA	NA
Icelanders	FRZB	rs288326	0.107	0.076	1.11 (0.96, 1.29)	0.161	0.772	NA	NA	NA
Icelanders	SRGN	rs67852477	-0.184	0.131	0.83 (0.64, 1.08)	0.161	0.772	NA	NA	NA
Icelanders	DPY30	rs221205	-0.601	0.429	0.55 (0.24, 1.27)	0.161	0.772	NA	NA	NA
Icelanders	CHGB	rs36054946	0.727	0.519	2.07 (0.75, 5.72)	0.161	0.772	NA	NA	NA
Icelanders	A4GNT	rs7632402	0.618	0.444	1.86 (0.78, 4.43)	0.164	0.779	NA	NA	NA
Icelanders	CHST12	rs6952433	0.212	0.154	1.24 (0.91, 1.67)	0.168	0.782	NA	NA	NA
Icelanders	PPT1	rs4660386	0.242	0.176	1.27 (0.90, 1.80)	0.168	0.782	NA	NA	NA
Icelanders	MMP8	rs35231465	-0.190	0.139	0.83 (0.63, 1.08)	0.169	0.782	NA	NA	NA
Icelanders	PNP	rs1049564	-0.286	0.208	0.75 (0.50, 1.13)	0.169	0.782	NA	NA	NA
Icelanders	TNFRSF1A	rs4149584	0.444	0.323	1.56 (0.83, 2.93)	0.169	0.782	NA	NA	NA
Icelanders	TCL1A	rs78986913	-0.204	0.150	0.82 (0.61, 1.09)	0.172	0.787	NA	NA	NA

Icelanders	SCARF2	rs738087	-0.272	0.199	0.76 (0.52, 1.13)	0.173	0.787	NA	NA	NA
Icelanders	CD59	rs831630	-0.199	0.146	0.82 (0.62, 1.09)	0.174	0.787	NA	NA	NA
Icelanders	NUCB1	rs3826817	-0.279	0.205	0.76 (0.51, 1.13)	0.174	0.787	NA	NA	NA
Icelanders	PCSK2	rs6044699	0.420	0.311	1.52 (0.83, 2.80)	0.178	0.788	NA	NA	NA
Icelanders	CBLN4	rs7351418	0.237	0.177	1.27 (0.90, 1.79)	0.180	0.788	NA	NA	NA
Icelanders	NMT2	rs4237446	0.554	0.413	1.74 (0.77, 3.91)	0.180	0.788	NA	NA	NA
Icelanders	LSAMP	rs1541871	0.237	0.177	1.27 (0.90, 1.79)	0.181	0.788	NA	NA	NA
Icelanders	GAS1	rs4878043	0.416	0.312	1.52 (0.82, 2.79)	0.181	0.788	NA	NA	NA
Icelanders	CCL5	rs4239252	-0.161	0.121	0.85 (0.67, 1.08)	0.183	0.788	NA	NA	NA
Icelanders	SPON1	rs1969539	-0.114	0.085	0.89 (0.76, 1.06)	0.184	0.788	NA	NA	NA
Icelanders	CXCL12	rs1023264	0.275	0.207	1.32 (0.88, 1.98)	0.184	0.788	NA	NA	NA
Icelanders	ENTPD6	rs6050446	-0.338	0.254	0.71 (0.43, 1.17)	0.184	0.788	NA	NA	NA
Icelanders	RELT	rs12293998	-0.737	0.554	0.48 (0.16, 1.42)	0.184	0.788	NA	NA	NA
Icelanders	VEGFC	rs41278571	0.458	0.346	1.58 (0.80, 3.11)	0.185	0.788	NA	NA	NA
Icelanders	GRN	rs5848	-0.172	0.131	0.84 (0.65, 1.09)	0.189	0.789	NA	NA	NA
Icelanders	TNFSF14	rs1047286	0.747	0.569	2.11 (0.69, 6.44)	0.189	0.789	NA	NA	NA
Icelanders	C1orf198	rs56148170	0.313	0.239	1.37 (0.86, 2.18)	0.190	0.789	NA	NA	NA
Icelanders	MCEMP1	rs1047286	0.872	0.666	2.39 (0.65, 8.82)	0.191	0.789	NA	NA	NA
Icelanders	PCOLCE	rs7385804	-0.220	0.169	0.80 (0.58, 1.12)	0.192	0.789	NA	NA	NA
Icelanders	NFASC	rs6667532	-0.102	0.078	0.90 (0.77, 1.05)	0.193	0.789	NA	NA	NA
Icelanders	INPP5B	rs139477416	0.157	0.121	1.17 (0.92, 1.48)	0.193	0.789	NA	NA	NA
Icelanders	FCN1	rs11103604	0.106	0.082	1.11 (0.95, 1.30)	0.194	0.789	NA	NA	NA
Icelanders	SEMA4A	rs7695	-0.199	0.154	0.82 (0.61, 1.11)	0.196	0.789	NA	NA	NA
Icelanders	LTF	rs61740470	-0.370	0.286	0.69 (0.39, 1.21)	0.196	0.789	NA	NA	NA
Icelanders	FAIM3	rs72758947	-0.334	0.259	0.72 (0.43, 1.19)	0.197	0.789	NA	NA	NA
Icelanders	SEMA3C	rs917191	-0.307	0.238	0.74 (0.46, 1.17)	0.198	0.789	NA	NA	NA
Icelanders	SULT1A3	rs148788997	-0.271	0.212	0.76 (0.50, 1.16)	0.201	0.800	NA	NA	NA
Icelanders	DGCR14	rs715544	0.327	0.258	1.39 (0.84, 2.30)	0.205	0.807	NA	NA	NA
Icelanders	AP2A2	rs7482118	0.572	0.452	1.77 (0.73, 4.29)	0.206	0.807	NA	NA	NA
Icelanders	GCLM	rs12563495	0.394	0.312	1.48 (0.80, 2.73)	0.207	0.807	NA	NA	NA
Icelanders	DTD1	rs6081231	-0.171	0.136	0.84 (0.65, 1.10)	0.208	0.807	NA	NA	NA
Icelanders	MAPK9	rs3763131	-0.217	0.172	0.81 (0.57, 1.13)	0.208	0.807	NA	NA	NA
Icelanders	AIF1	rs2261033	-0.355	0.283	0.70 (0.40, 1.22)	0.210	0.812	NA	NA	NA

Icelanders	TSTD1	rs10908821	0.095	0.076	1.10 (0.95, 1.28)	0.212	0.813	NA	NA	NA
Icelanders	MMP9	rs2250889	0.453	0.365	1.57 (0.77, 3.21)	0.214	0.816	NA	NA	NA
Icelanders	NLGN1	rs557382	0.269	0.217	1.31 (0.86, 2.00)	0.215	0.816	NA	NA	NA
Icelanders	BIN1	rs35103166	0.245	0.199	1.28 (0.87, 1.89)	0.218	0.818	NA	NA	NA
Icelanders	CD160	rs3753436	-0.248	0.201	0.78 (0.53, 1.16)	0.219	0.818	NA	NA	NA
Icelanders	CD200R1	rs62263730	0.278	0.226	1.32 (0.85, 2.06)	0.219	0.818	NA	NA	NA
Icelanders	ARHGEF25	rs10437954	-0.299	0.244	0.74 (0.46, 1.19)	0.219	0.818	NA	NA	NA
Icelanders	SLITRK1	rs2876803	0.515	0.421	1.67 (0.73, 3.82)	0.221	0.818	NA	NA	NA
Icelanders	FAM171B	rs1123176	0.210	0.172	1.23 (0.88, 1.73)	0.222	0.818	NA	NA	NA
Icelanders	BPHL	rs9503407	0.360	0.295	1.43 (0.80, 2.55)	0.222	0.818	NA	NA	NA
Icelanders	C3	rs11085197	0.456	0.374	1.58 (0.76, 3.29)	0.223	0.818	NA	NA	NA
Icelanders	PTGES2	rs13283456	0.440	0.362	1.55 (0.76, 3.16)	0.224	0.818	NA	NA	NA
Icelanders	PPA1	rs10823500	-0.169	0.140	0.84 (0.64, 1.11)	0.227	0.824	NA	NA	NA
Icelanders	DTD2	rs56183134	0.293	0.244	1.34 (0.83, 2.16)	0.229	0.826	NA	NA	NA
Icelanders	DNAJB6	rs12668458	0.656	0.546	1.93 (0.66, 5.62)	0.230	0.826	NA	NA	NA
Icelanders	SMAP1	rs2842061	0.104	0.087	1.11 (0.94, 1.32)	0.233	0.835	NA	NA	NA
Icelanders	FAM213A	rs10887871	0.330	0.278	1.39 (0.81, 2.40)	0.235	0.839	NA	NA	NA
Icelanders	CHI3L2	rs11556868	0.508	0.430	1.66 (0.72, 3.86)	0.238	0.844	NA	NA	NA
Icelanders	JUND	rs10406080	-0.505	0.429	0.60 (0.26, 1.40)	0.239	0.846	NA	NA	NA
Icelanders	YWHAB	rs6031847	-0.182	0.156	0.83 (0.61, 1.13)	0.244	0.853	NA	NA	NA
Icelanders	TBCE	rs903347	-0.295	0.253	0.74 (0.45, 1.22)	0.244	0.853	NA	NA	NA
Icelanders	GLTPD2	rs8078118	-0.152	0.131	0.86 (0.66, 1.11)	0.245	0.853	NA	NA	NA
Icelanders	BLVRA	rs1050916	-0.757	0.654	0.47 (0.13, 1.69)	0.248	0.860	NA	NA	NA
Icelanders	NAPG	rs7241196	-0.420	0.366	0.66 (0.32, 1.35)	0.251	0.865	NA	NA	NA
Icelanders	FKBP4	rs34728283	-0.449	0.392	0.64 (0.30, 1.37)	0.251	0.865	NA	NA	NA
Icelanders	PLAT	rs2020921	-0.186	0.163	0.83 (0.60, 1.14)	0.253	0.866	NA	NA	NA
Icelanders	TPM4	rs8104011	-0.643	0.570	0.53 (0.17, 1.61)	0.259	0.866	NA	NA	NA
Icelanders	ASRGL1	rs12275541	-0.146	0.130	0.86 (0.67, 1.11)	0.260	0.866	NA	NA	NA
Icelanders	NPNT	rs34712979	-0.191	0.169	0.83 (0.59, 1.15)	0.260	0.866	NA	NA	NA
Icelanders	DNAJB12	rs9416018	0.361	0.321	1.44 (0.77, 2.69)	0.260	0.866	NA	NA	NA
Icelanders	IGFBP2	rs4674100	0.652	0.579	1.92 (0.62, 5.96)	0.260	0.866	NA	NA	NA
Icelanders	APCS	rs146174215	-0.177	0.158	0.84 (0.61, 1.14)	0.262	0.866	NA	NA	NA
Icelanders	SEMA6B	rs10404223	-0.431	0.384	0.65 (0.31, 1.38)	0.262	0.866	NA	NA	NA

Icelanders	DCLK1	rs1926318	-0.152	0.136	0.86 (0.66, 1.12)	0.263	0.866	NA	NA	NA
Icelanders	PROS1	rs930814	0.508	0.455	1.66 (0.68, 4.05)	0.263	0.866	NA	NA	NA
Icelanders	USP15	rs73136831	-0.242	0.217	0.79 (0.51, 1.20)	0.264	0.866	NA	NA	NA
Icelanders	DYNLL2	rs7225351	-0.485	0.435	0.62 (0.26, 1.44)	0.265	0.866	NA	NA	NA
Icelanders	ZYX	rs12539742	0.379	0.340	1.46 (0.75, 2.84)	0.266	0.866	NA	NA	NA
Icelanders	PSAP	rs1867981	0.101	0.092	1.11 (0.92, 1.33)	0.269	0.873	NA	NA	NA
Icelanders	ANGPT1	rs6993770	0.256	0.232	1.29 (0.82, 2.03)	0.270	0.873	NA	NA	NA
Icelanders	LRP12	rs6993770	0.512	0.469	1.67 (0.67, 4.18)	0.275	0.884	NA	NA	NA
Icelanders	C1QTNF9	rs11840418	0.148	0.135	1.16 (0.89, 1.51)	0.276	0.884	NA	NA	NA
Icelanders	FAS	rs7911226	-0.118	0.109	0.89 (0.72, 1.10)	0.279	0.887	NA	NA	NA
Icelanders	FAS	rs7911226	-0.123	0.114	0.88 (0.71, 1.10)	0.279	0.887	NA	NA	NA
Icelanders	B3GALT1	rs2025727	0.124	0.115	1.13 (0.90, 1.42)	0.280	0.887	NA	NA	NA
Icelanders	FGF23	rs6489536	-0.578	0.536	0.56 (0.20, 1.60)	0.281	0.887	NA	NA	NA
Icelanders	LPO	rs7219860	-0.112	0.105	0.89 (0.73, 1.10)	0.282	0.887	NA	NA	NA
Icelanders	LGALS3BP	rs3826311	0.186	0.173	1.20 (0.86, 1.69)	0.283	0.887	NA	NA	NA
Icelanders	EGFR	rs13244925	0.260	0.247	1.30 (0.80, 2.10)	0.292	0.901	NA	NA	NA
Icelanders	MAPRE1	rs20654	0.421	0.400	1.52 (0.70, 3.34)	0.292	0.901	NA	NA	NA
Icelanders	CTSF	rs1791679	-0.156	0.149	0.86 (0.64, 1.14)	0.293	0.901	NA	NA	NA
Icelanders	CSGALNACT2	rs2435382	-0.258	0.246	0.77 (0.48, 1.25)	0.293	0.901	NA	NA	NA
Icelanders	EVA1C	rs34028712	-0.384	0.367	0.68 (0.33, 1.40)	0.295	0.901	NA	NA	NA
Icelanders	FETUB	rs114780909	-0.110	0.105	0.90 (0.73, 1.10)	0.296	0.901	NA	NA	NA
Icelanders	ALPPL2	rs12328730	-0.568	0.545	0.57 (0.19, 1.65)	0.297	0.901	NA	NA	NA
Icelanders	PTPN9	rs111647176	0.427	0.411	1.53 (0.69, 3.43)	0.298	0.901	NA	NA	NA
Icelanders	TPI1	rs2071065	-0.482	0.463	0.62 (0.25, 1.53)	0.298	0.901	NA	NA	NA
Icelanders	PSME1	rs3742500	0.507	0.488	1.66 (0.64, 4.32)	0.299	0.901	NA	NA	NA
Icelanders	SMOC2	rs56296467	-0.097	0.094	0.91 (0.76, 1.09)	0.301	0.901	NA	NA	NA
Icelanders	SERPINB8	rs3826616	0.208	0.201	1.23 (0.83, 1.83)	0.301	0.901	NA	NA	NA
Icelanders	CSRP1	rs7527761	0.280	0.272	1.32 (0.78, 2.26)	0.304	0.902	NA	NA	NA
Icelanders	GM2A	rs72794132	0.106	0.103	1.11 (0.91, 1.36)	0.305	0.902	NA	NA	NA
Icelanders	NPPA	rs145488887	-0.464	0.453	0.63 (0.26, 1.53)	0.306	0.902	NA	NA	NA
Icelanders	S100A12	rs3014874	-0.140	0.137	0.87 (0.66, 1.14)	0.307	0.902	NA	NA	NA
Icelanders	CDH5	rs11649312	-0.179	0.176	0.84 (0.59, 1.18)	0.307	0.902	NA	NA	NA
Icelanders	BOC	rs4682481	0.120	0.118	1.13 (0.90, 1.42)	0.309	0.902	NA	NA	NA

Icelanders	NRCAM	rs1034826	0.424	0.417	1.53 (0.67, 3.46)	0.309	0.902	NA	NA	NA
Icelanders	MET	rs10435378	0.191	0.189	1.21 (0.84, 1.75)	0.312	0.903	NA	NA	NA
Icelanders	TNFRSF1B	rs2301258	-0.168	0.167	0.85 (0.61, 1.17)	0.314	0.903	NA	NA	NA
Icelanders	TNFRSF1B	rs2301258	-0.252	0.251	0.78 (0.48, 1.27)	0.315	0.903	NA	NA	NA
Icelanders	LAYN	rs4938792	-0.510	0.509	0.60 (0.22, 1.63)	0.316	0.903	NA	NA	NA
Icelanders	NUDT5	rs2399786	-0.366	0.365	0.69 (0.34, 1.42)	0.317	0.903	NA	NA	NA
Icelanders	ITPKA	rs316617	0.370	0.370	1.45 (0.70, 2.99)	0.317	0.903	NA	NA	NA
Icelanders	GZMK	rs10471928	-0.188	0.189	0.83 (0.57, 1.20)	0.320	0.903	NA	NA	NA
Icelanders	PLXNA1	rs4679138	-0.106	0.107	0.90 (0.73, 1.11)	0.321	0.903	NA	NA	NA
Icelanders	LYPD3	rs35681564	0.241	0.243	1.27 (0.79, 2.05)	0.321	0.903	NA	NA	NA
Icelanders	LCN1	rs56307603	-0.401	0.405	0.67 (0.30, 1.48)	0.322	0.903	NA	NA	NA
Icelanders	HPCAL1	rs6737972	0.470	0.475	1.60 (0.63, 4.06)	0.322	0.903	NA	NA	NA
Icelanders	ESM1	rs4242051	-0.192	0.194	0.83 (0.56, 1.21)	0.323	0.903	NA	NA	NA
Icelanders	POLI	rs117050326	-0.449	0.455	0.64 (0.26, 1.56)	0.325	0.903	NA	NA	NA
Icelanders	RAB1A	rs2422441	-0.457	0.465	0.63 (0.25, 1.58)	0.326	0.903	NA	NA	NA
Icelanders	MAPRE2	rs3786314	-0.162	0.166	0.85 (0.61, 1.18)	0.328	0.903	NA	NA	NA
Icelanders	CHRD	rs34095724	0.425	0.434	1.53 (0.65, 3.59)	0.328	0.903	NA	NA	NA
Icelanders	NETO1	rs7242889	0.463	0.475	1.59 (0.63, 4.03)	0.330	0.903	NA	NA	NA
Icelanders	B3GALT6	rs60252802	0.530	0.544	1.70 (0.59, 4.93)	0.330	0.903	NA	NA	NA
Icelanders	LCN2	rs3814526	0.417	0.429	1.52 (0.65, 3.52)	0.332	0.904	NA	NA	NA
Icelanders	IDH1	rs34599179	0.206	0.213	1.23 (0.81, 1.87)	0.333	0.905	NA	NA	NA
Icelanders	RBP1	rs2071387	-0.336	0.347	0.71 (0.36, 1.41)	0.334	0.905	NA	NA	NA
Icelanders	APOA1BP	rs10796961	0.137	0.143	1.15 (0.87, 1.52)	0.338	0.907	NA	NA	NA
Icelanders	CCS	rs498045	-0.214	0.223	0.81 (0.52, 1.25)	0.339	0.907	NA	NA	NA
Icelanders	SPINK1	rs7725017	0.225	0.235	1.25 (0.79, 1.98)	0.339	0.907	NA	NA	NA
Icelanders	ARG1	rs2781668	-0.294	0.307	0.75 (0.41, 1.36)	0.340	0.907	NA	NA	NA
Icelanders	MMP7	rs11568819	-0.093	0.098	0.91 (0.75, 1.10)	0.342	0.908	NA	NA	NA
Icelanders	TEK	rs682632	-0.165	0.174	0.85 (0.60, 1.19)	0.342	0.908	NA	NA	NA
Icelanders	RFESD	rs75044039	0.414	0.437	1.51 (0.64, 3.57)	0.343	0.908	NA	NA	NA
Icelanders	LOXL3	rs17010021	-0.301	0.319	0.74 (0.40, 1.38)	0.344	0.908	NA	NA	NA
Icelanders	PDLIM4	rs2292260	0.153	0.163	1.16 (0.85, 1.60)	0.350	0.917	NA	NA	NA
Icelanders	ANGPTL4	rs116843064	-0.319	0.341	0.73 (0.37, 1.42)	0.350	0.917	NA	NA	NA
Icelanders	NTN4	rs34114770	0.250	0.269	1.28 (0.76, 2.18)	0.353	0.917	NA	NA	NA

Icelanders	CPB1	rs2291671	-0.115	0.124	0.89 (0.70, 1.14)	0.356	0.917	NA	NA	NA
Icelanders	IBSP	rs2616262	-0.251	0.272	0.78 (0.46, 1.33)	0.356	0.917	NA	NA	NA
Icelanders	C1QTNF3	rs840390	0.188	0.204	1.21 (0.81, 1.80)	0.357	0.917	NA	NA	NA
Icelanders	SPINK7	rs9784645	-0.199	0.217	0.82 (0.54, 1.25)	0.359	0.917	NA	NA	NA
Icelanders	UBLCP1	rs13171129	-0.250	0.273	0.78 (0.46, 1.33)	0.359	0.917	NA	NA	NA
Icelanders	GOLM1	rs4333693	-0.108	0.119	0.90 (0.71, 1.13)	0.360	0.917	NA	NA	NA
Icelanders	GOLM1	rs4333693	-0.157	0.171	0.85 (0.61, 1.20)	0.360	0.917	NA	NA	NA
Icelanders	BRSK2	rs4255564	0.168	0.184	1.18 (0.83, 1.70)	0.360	0.917	NA	NA	NA
Icelanders	ANGPTL1	rs4650995	-0.073	0.081	0.93 (0.79, 1.09)	0.366	0.925	NA	NA	NA
Icelanders	NT5DC3	rs954921	-0.135	0.150	0.87 (0.65, 1.17)	0.366	0.925	NA	NA	NA
Icelanders	MAPK13	rs10447396	0.205	0.228	1.23 (0.79, 1.92)	0.369	0.927	NA	NA	NA
Icelanders	CD200	rs7619941	0.296	0.331	1.34 (0.70, 2.57)	0.371	0.927	NA	NA	NA
Icelanders	FH	rs6678766	-0.168	0.188	0.85 (0.58, 1.22)	0.372	0.927	NA	NA	NA
Icelanders	SERPINF1	rs62088172	0.085	0.096	1.09 (0.90, 1.31)	0.380	0.927	NA	NA	NA
Icelanders	CD4	rs61916271	0.500	0.569	1.65 (0.54, 5.03)	0.380	0.927	NA	NA	NA
Icelanders	CREB3L4	rs6671362	-0.108	0.123	0.90 (0.71, 1.14)	0.382	0.927	NA	NA	NA
Icelanders	SPINK4	rs1630171	-0.105	0.121	0.90 (0.71, 1.14)	0.384	0.927	NA	NA	NA
Icelanders	SH3BGRL2	rs2812679	0.216	0.249	1.24 (0.76, 2.02)	0.385	0.927	NA	NA	NA
Icelanders	CD58	rs61789227	0.154	0.179	1.17 (0.82, 1.66)	0.387	0.927	NA	NA	NA
Icelanders	PLG	rs4252129	-0.133	0.154	0.88 (0.65, 1.18)	0.388	0.927	NA	NA	NA
Icelanders	CADM3	rs144788078	-0.660	0.764	0.52 (0.12, 2.31)	0.388	0.927	NA	NA	NA
Icelanders	CALCB	rs10766205	-0.090	0.105	0.91 (0.74, 1.12)	0.389	0.927	NA	NA	NA
Icelanders	ECH1	rs2229259	0.079	0.092	1.08 (0.90, 1.29)	0.390	0.927	NA	NA	NA
Icelanders	IGFBP7	rs1718860	0.083	0.097	1.09 (0.90, 1.31)	0.390	0.927	NA	NA	NA
Icelanders	FGR	rs3737801	-0.168	0.195	0.85 (0.58, 1.24)	0.390	0.927	NA	NA	NA
Icelanders	TFF2	rs77505241	0.248	0.290	1.28 (0.73, 2.26)	0.392	0.927	NA	NA	NA
Icelanders	SRI	rs77500696	0.188	0.220	1.21 (0.78, 1.86)	0.393	0.927	NA	NA	NA
Icelanders	PEAR1	rs12566888	-0.388	0.455	0.68 (0.28, 1.66)	0.394	0.927	NA	NA	NA
Icelanders	CHST15	rs6588740	-0.245	0.289	0.78 (0.44, 1.38)	0.396	0.927	NA	NA	NA
Icelanders	EPO	rs221790	-0.324	0.382	0.72 (0.34, 1.53)	0.396	0.927	NA	NA	NA
Icelanders	SCUBE3	rs3800403	0.105	0.124	1.11 (0.87, 1.42)	0.397	0.927	NA	NA	NA
Icelanders	SEZ6L	rs73158619	0.533	0.634	1.70 (0.49, 5.90)	0.400	0.927	NA	NA	NA
Icelanders	ABLIM3	rs114464628	0.223	0.266	1.25 (0.74, 2.10)	0.401	0.927	NA	NA	NA

Icelanders	PTN	rs320682	-0.110	0.131	0.90 (0.69, 1.16)	0.402	0.927	NA	NA	NA
Icelanders	MARK3	rs11160753	-0.418	0.499	0.66 (0.25, 1.75)	0.402	0.927	NA	NA	NA
Icelanders	DLL4	rs35748882	0.443	0.531	1.56 (0.55, 4.41)	0.404	0.927	NA	NA	NA
Icelanders	MAPK8	rs1997365	0.370	0.444	1.45 (0.61, 3.46)	0.405	0.927	NA	NA	NA
Icelanders	HDGF	rs11264535	-0.276	0.333	0.76 (0.40, 1.46)	0.406	0.927	NA	NA	NA
Icelanders	HDGF	rs11264535	-0.276	0.333	0.76 (0.40, 1.46)	0.406	0.927	NA	NA	NA
Icelanders	WVOX	rs11545029	0.383	0.461	1.47 (0.59, 3.62)	0.406	0.927	NA	NA	NA
Icelanders	AKR7A2	rs61766662	-0.143	0.173	0.87 (0.62, 1.22)	0.407	0.927	NA	NA	NA
Icelanders	DSCAM	rs78111814	0.163	0.197	1.18 (0.80, 1.73)	0.407	0.927	NA	NA	NA
Icelanders	FGFR3	rs2403274	0.141	0.171	1.15 (0.82, 1.61)	0.408	0.927	NA	NA	NA
Icelanders	PECR	rs73072196	-0.242	0.293	0.79 (0.44, 1.40)	0.409	0.927	NA	NA	NA
Icelanders	RSPO4	rs75904281	-0.476	0.576	0.62 (0.20, 1.92)	0.409	0.927	NA	NA	NA
Icelanders	PLXNA4	rs6467443	0.257	0.312	1.29 (0.70, 2.38)	0.410	0.927	NA	NA	NA
Icelanders	ISOC1	rs2526256	0.127	0.155	1.14 (0.84, 1.54)	0.412	0.927	NA	NA	NA
Icelanders	NT5C3A	rs4316067	-0.278	0.339	0.76 (0.39, 1.47)	0.413	0.927	NA	NA	NA
Icelanders	SELP	rs6136	0.092	0.113	1.10 (0.88, 1.37)	0.414	0.927	NA	NA	NA
Icelanders	BDNF	rs10501089	0.339	0.414	1.40 (0.62, 3.16)	0.414	0.927	NA	NA	NA
Icelanders	BDNF	rs10501089	0.417	0.511	1.52 (0.56, 4.13)	0.415	0.927	NA	NA	NA
Icelanders	STAT3	rs4796791	-0.139	0.171	0.87 (0.62, 1.22)	0.417	0.927	NA	NA	NA
Icelanders	SIAE	rs78778622	0.261	0.323	1.30 (0.69, 2.45)	0.419	0.927	NA	NA	NA
Icelanders	XRCC4	rs7736592	-0.209	0.259	0.81 (0.49, 1.35)	0.420	0.927	NA	NA	NA
Icelanders	TEC	rs58762758	-0.178	0.223	0.84 (0.54, 1.30)	0.425	0.927	NA	NA	NA
Icelanders	APLP2	rs73583419	-0.167	0.210	0.85 (0.56, 1.28)	0.428	0.927	NA	NA	NA
Icelanders	TFPI2	rs62466701	0.509	0.644	1.66 (0.47, 5.87)	0.429	0.927	NA	NA	NA
Icelanders	FJX1	rs10768174	-0.119	0.151	0.89 (0.66, 1.19)	0.430	0.927	NA	NA	NA
Icelanders	DCTPP1	rs11640950	-0.410	0.519	0.66 (0.24, 1.84)	0.430	0.927	NA	NA	NA
Icelanders	GNMT	rs6940814	0.090	0.115	1.09 (0.87, 1.37)	0.432	0.927	NA	NA	NA
Icelanders	KCNAB2	rs806109	0.300	0.382	1.35 (0.64, 2.85)	0.432	0.927	NA	NA	NA
Icelanders	LGALS2	rs5756736	0.099	0.126	1.10 (0.86, 1.41)	0.433	0.927	NA	NA	NA
Icelanders	GP6	rs892090	0.069	0.088	1.07 (0.90, 1.27)	0.436	0.927	NA	NA	NA
Icelanders	BDH2	rs2711897	-0.097	0.125	0.91 (0.71, 1.16)	0.438	0.927	NA	NA	NA
Icelanders	AES	rs11539938	0.540	0.697	1.72 (0.44, 6.73)	0.438	0.927	NA	NA	NA
Icelanders	QPCT	rs4384764	-0.103	0.133	0.90 (0.69, 1.17)	0.439	0.927	NA	NA	NA

Icelanders	MAX	rs8181938	0.112	0.145	1.12 (0.84, 1.48)	0.440	0.927	NA	NA	NA
Icelanders	GALNT13	rs16834610	0.342	0.444	1.41 (0.59, 3.36)	0.440	0.927	NA	NA	NA
Icelanders	SF3B4	rs141494464	0.448	0.580	1.56 (0.50, 4.88)	0.440	0.927	NA	NA	NA
Icelanders	OBP2B	rs3761822	0.063	0.082	1.06 (0.91, 1.25)	0.441	0.927	NA	NA	NA
Icelanders	SH3BP2	rs7695151	0.074	0.096	1.08 (0.89, 1.30)	0.441	0.927	NA	NA	NA
Icelanders	TPST2	rs2283824	0.129	0.167	1.14 (0.82, 1.58)	0.441	0.927	NA	NA	NA
Icelanders	ADH7	rs1573496	-0.080	0.103	0.92 (0.75, 1.13)	0.442	0.927	NA	NA	NA
Icelanders	CD274	rs1411262	-0.090	0.117	0.91 (0.73, 1.15)	0.442	0.927	NA	NA	NA
Icelanders	PDHX	rs35560997	0.329	0.428	1.39 (0.60, 3.21)	0.442	0.927	NA	NA	NA
Icelanders	HAGH	rs116869551	0.131	0.172	1.14 (0.81, 1.60)	0.445	0.931	NA	NA	NA
Icelanders	CLSTN2	rs35220837	-0.110	0.144	0.90 (0.67, 1.19)	0.446	0.931	NA	NA	NA
Icelanders	MGP	rs7294636	0.078	0.103	1.08 (0.88, 1.32)	0.450	0.933	NA	NA	NA
Icelanders	PATE4	rs665677	-0.157	0.208	0.85 (0.57, 1.28)	0.451	0.933	NA	NA	NA
Icelanders	APOB	rs563290	0.271	0.362	1.31 (0.65, 2.67)	0.454	0.933	NA	NA	NA
Icelanders	WFDC2	rs2272953	-0.295	0.393	0.74 (0.34, 1.61)	0.454	0.933	NA	NA	NA
Icelanders	C9	rs62358361	-0.161	0.215	0.85 (0.56, 1.30)	0.455	0.933	NA	NA	NA
Icelanders	CFHR3	rs10922098	0.170	0.228	1.19 (0.76, 1.85)	0.455	0.933	NA	NA	NA
Icelanders	MXRA7	rs7219390	0.066	0.089	1.07 (0.90, 1.27)	0.456	0.933	NA	NA	NA
Icelanders	BTC	rs28549760	0.134	0.180	1.14 (0.80, 1.63)	0.457	0.933	NA	NA	NA
Icelanders	LRRTM4	rs1922804	-0.418	0.564	0.66 (0.22, 1.99)	0.459	0.935	NA	NA	NA
Icelanders	LYVE1	rs116055980	0.108	0.147	1.11 (0.84, 1.49)	0.460	0.935	NA	NA	NA
Icelanders	MYZAP	rs4774967	-0.283	0.384	0.75 (0.35, 1.60)	0.462	0.936	NA	NA	NA
Icelanders	SHBG	rs858519	0.109	0.149	1.12 (0.83, 1.49)	0.463	0.936	NA	NA	NA
Icelanders	ITIH5	rs12761343	0.057	0.078	1.06 (0.91, 1.23)	0.464	0.937	NA	NA	NA
Icelanders	SERPINH1	rs514887	0.158	0.216	1.17 (0.77, 1.79)	0.466	0.937	NA	NA	NA
Icelanders	RGMA	rs11074135	0.115	0.158	1.12 (0.82, 1.53)	0.467	0.937	NA	NA	NA
Icelanders	ESD	rs2298087	0.084	0.116	1.09 (0.87, 1.37)	0.468	0.937	NA	NA	NA
Icelanders	OLFML3	rs4381184	-0.212	0.294	0.81 (0.45, 1.44)	0.470	0.937	NA	NA	NA
Icelanders	GCKR	rs1260326	0.222	0.307	1.25 (0.68, 2.28)	0.470	0.937	NA	NA	NA
Icelanders	CCL28	rs7703662	0.293	0.419	1.34 (0.59, 3.05)	0.484	0.953	NA	NA	NA
Icelanders	COL10A1	rs9488842	0.077	0.110	1.08 (0.87, 1.34)	0.485	0.953	NA	NA	NA
Icelanders	RNASE1	rs12897030	0.093	0.134	1.10 (0.84, 1.43)	0.486	0.953	NA	NA	NA
Icelanders	PDLIM1	rs1328599	-0.237	0.341	0.79 (0.40, 1.54)	0.487	0.953	NA	NA	NA

Icelanders	NPL	rs74646646	0.117	0.168	1.12 (0.81, 1.56)	0.489	0.953	NA	NA	NA
Icelanders	KLK7	rs1624358	-0.062	0.090	0.94 (0.79, 1.12)	0.490	0.953	NA	NA	NA
Icelanders	ARL3	rs8354	0.125	0.181	1.13 (0.79, 1.62)	0.491	0.953	NA	NA	NA
Icelanders	DKK3	rs11022114	-0.060	0.088	0.94 (0.79, 1.12)	0.493	0.953	NA	NA	NA
Icelanders	CLEC11A	rs116924815	0.066	0.096	1.07 (0.89, 1.29)	0.493	0.953	NA	NA	NA
Icelanders	PPP1R1A	rs10876568	-0.370	0.540	0.69 (0.24, 1.99)	0.493	0.953	NA	NA	NA
Icelanders	UCMA	rs1537771	0.063	0.092	1.07 (0.89, 1.28)	0.494	0.953	NA	NA	NA
Icelanders	EPHB4	rs314366	0.158	0.231	1.17 (0.74, 1.84)	0.494	0.953	NA	NA	NA
Icelanders	FLRT2	rs36101989	-0.065	0.095	0.94 (0.78, 1.13)	0.496	0.953	NA	NA	NA
Icelanders	PCSK9	rs11591147	0.103	0.151	1.11 (0.82, 1.49)	0.496	0.953	NA	NA	NA
Icelanders	GPCPD1	rs6133228	-0.250	0.367	0.78 (0.38, 1.60)	0.496	0.953	NA	NA	NA
Icelanders	CTSO	rs2334114	-0.119	0.175	0.89 (0.63, 1.25)	0.497	0.953	NA	NA	NA
Icelanders	TNFSF8	rs1006026	-0.119	0.175	0.89 (0.63, 1.25)	0.498	0.953	NA	NA	NA
Icelanders	PDCD6IP	rs9876986	0.171	0.254	1.19 (0.72, 1.95)	0.501	0.954	NA	NA	NA
Icelanders	TTL	rs10194022	-0.335	0.498	0.72 (0.27, 1.90)	0.501	0.954	NA	NA	NA
Icelanders	IL1R1	rs7588201	-0.095	0.142	0.91 (0.69, 1.20)	0.504	0.956	NA	NA	NA
Icelanders	TF	rs8177245	0.124	0.187	1.13 (0.78, 1.63)	0.508	0.958	NA	NA	NA
Icelanders	GLIPR2	rs4878643	-0.065	0.099	0.94 (0.77, 1.14)	0.510	0.958	NA	NA	NA
Icelanders	TNFAIP8	rs1035376	0.114	0.172	1.12 (0.80, 1.57)	0.510	0.958	NA	NA	NA
Icelanders	IRF3	rs10415576	-0.247	0.375	0.78 (0.37, 1.63)	0.510	0.958	NA	NA	NA
Icelanders	CA10	rs117399000	0.104	0.159	1.11 (0.81, 1.51)	0.512	0.958	NA	NA	NA
Icelanders	HADH	rs62311449	-0.257	0.393	0.77 (0.36, 1.67)	0.512	0.958	NA	NA	NA
Icelanders	COL3A1	rs72914144	0.296	0.453	1.34 (0.55, 3.27)	0.513	0.958	NA	NA	NA
Icelanders	SHH	rs10225292	-0.188	0.289	0.83 (0.47, 1.46)	0.516	0.959	NA	NA	NA
Icelanders	ACAT2	rs25683	-0.061	0.095	0.94 (0.78, 1.13)	0.519	0.959	NA	NA	NA
Icelanders	COCH	rs28400019	0.064	0.099	1.07 (0.88, 1.29)	0.520	0.959	NA	NA	NA
Icelanders	NUDT1	rs1637732	0.279	0.435	1.32 (0.56, 3.10)	0.521	0.959	NA	NA	NA
Icelanders	NDST1	rs6863373	0.125	0.195	1.13 (0.77, 1.66)	0.522	0.959	NA	NA	NA
Icelanders	FLT4	rs34221241	-0.168	0.264	0.85 (0.50, 1.42)	0.525	0.959	NA	NA	NA
Icelanders	COMP	rs12974746	-0.133	0.210	0.88 (0.58, 1.32)	0.526	0.959	NA	NA	NA
Icelanders	UBXN2B	rs7000685	-0.277	0.437	0.76 (0.32, 1.78)	0.526	0.959	NA	NA	NA
Icelanders	SLAMF6	rs12137007	-0.094	0.150	0.91 (0.68, 1.22)	0.529	0.959	NA	NA	NA
Icelanders	NCAN	rs2228603	-0.095	0.151	0.91 (0.68, 1.22)	0.529	0.959	NA	NA	NA

Icelanders	PLEKHA1	rs10788274	-0.055	0.088	0.95 (0.80, 1.12)	0.530	0.959	NA	NA	NA
Icelanders	KNG1	rs5030062	0.065	0.104	1.07 (0.87, 1.31)	0.530	0.959	NA	NA	NA
Icelanders	ALDH1A1	rs348452	-0.171	0.276	0.84 (0.49, 1.45)	0.536	0.959	NA	NA	NA
Icelanders	LGALS4	rs883394	0.306	0.498	1.36 (0.51, 3.61)	0.539	0.959	NA	NA	NA
Icelanders	EDIL3	rs10434639	-0.263	0.430	0.77 (0.33, 1.78)	0.540	0.959	NA	NA	NA
Icelanders	HMHA1	rs7251797	-0.125	0.204	0.88 (0.59, 1.32)	0.541	0.959	NA	NA	NA
Icelanders	APOBEC3G	rs6519166	-0.136	0.224	0.87 (0.56, 1.35)	0.543	0.959	NA	NA	NA
Icelanders	MFAP4	rs139356332	-0.111	0.182	0.90 (0.63, 1.28)	0.544	0.959	NA	NA	NA
Icelanders	VOPP1	rs117042408	-0.171	0.281	0.84 (0.49, 1.46)	0.544	0.959	NA	NA	NA
Icelanders	IGFBP4	rs4890114	0.270	0.445	1.31 (0.55, 3.13)	0.544	0.959	NA	NA	NA
Icelanders	SRA1	rs2563253	-0.123	0.203	0.88 (0.59, 1.32)	0.546	0.959	NA	NA	NA
Icelanders	ELANE	rs10409474	0.076	0.127	1.08 (0.84, 1.38)	0.549	0.959	NA	NA	NA
Icelanders	CNTN1	rs1838343	0.076	0.127	1.08 (0.84, 1.38)	0.551	0.959	NA	NA	NA
Icelanders	ST8SIA6	rs45462798	-0.338	0.567	0.71 (0.23, 2.17)	0.551	0.959	NA	NA	NA
Icelanders	NAGK	rs11680831	-0.090	0.151	0.91 (0.68, 1.23)	0.552	0.959	NA	NA	NA
Icelanders	NPTX2	rs13308423	0.140	0.235	1.15 (0.73, 1.82)	0.552	0.959	NA	NA	NA
Icelanders	HSPA1L	rs550671	-0.128	0.217	0.88 (0.57, 1.35)	0.554	0.959	NA	NA	NA
Icelanders	VAR5	rs550671	-0.144	0.243	0.87 (0.54, 1.39)	0.554	0.959	NA	NA	NA
Icelanders	HBQ1	rs1005364	0.188	0.320	1.21 (0.65, 2.26)	0.556	0.959	NA	NA	NA
Icelanders	RSPO1	rs36043533	0.079	0.135	1.08 (0.83, 1.41)	0.557	0.959	NA	NA	NA
Icelanders	BMP7	rs6123685	-0.295	0.504	0.74 (0.28, 2.00)	0.558	0.959	NA	NA	NA
Icelanders	LEAP2	rs12515756	0.048	0.081	1.05 (0.89, 1.23)	0.559	0.959	NA	NA	NA
Icelanders	ALKBH3	rs2434484	-0.063	0.108	0.94 (0.76, 1.16)	0.560	0.959	NA	NA	NA
Icelanders	TXNL4B	rs116891509	0.110	0.189	1.12 (0.77, 1.62)	0.560	0.959	NA	NA	NA
Icelanders	RNASE3	rs147307766	0.049	0.085	1.05 (0.89, 1.24)	0.561	0.959	NA	NA	NA
Icelanders	MCF2L	rs3011487	-0.074	0.128	0.93 (0.72, 1.19)	0.563	0.959	NA	NA	NA
Icelanders	CDHR5	rs12360820	0.274	0.475	1.32 (0.52, 3.34)	0.563	0.959	NA	NA	NA
Icelanders	MPG	rs2562156	-0.375	0.648	0.69 (0.19, 2.45)	0.563	0.959	NA	NA	NA
Icelanders	CNPY3	rs9471969	-0.120	0.208	0.89 (0.59, 1.33)	0.564	0.959	NA	NA	NA
Icelanders	MYOC	rs7547721	0.053	0.093	1.05 (0.88, 1.27)	0.569	0.959	NA	NA	NA
Icelanders	CRADD	rs60169972	0.261	0.463	1.30 (0.52, 3.22)	0.572	0.959	NA	NA	NA
Icelanders	CD209	rs4804774	-0.051	0.091	0.95 (0.80, 1.13)	0.573	0.959	NA	NA	NA
Icelanders	CD72	rs34791102	-0.142	0.252	0.87 (0.53, 1.42)	0.573	0.959	NA	NA	NA

Icelanders	PI3	rs17332620	0.052	0.093	1.05 (0.88, 1.26)	0.574	0.959	NA	NA	NA
Icelanders	PKDCC	rs34372645	-0.286	0.510	0.75 (0.28, 2.04)	0.574	0.959	NA	NA	NA
Icelanders	LDHA	rs111294128	-0.312	0.556	0.73 (0.25, 2.18)	0.574	0.959	NA	NA	NA
Icelanders	FER	rs13178668	-0.175	0.312	0.84 (0.46, 1.55)	0.575	0.959	NA	NA	NA
Icelanders	CST3	rs6114209	0.069	0.123	1.07 (0.84, 1.36)	0.577	0.959	NA	NA	NA
Icelanders	NT5M	rs192436452	0.129	0.232	1.14 (0.72, 1.79)	0.578	0.959	NA	NA	NA
Icelanders	CEACAM8	rs12459454	0.220	0.395	1.25 (0.57, 2.70)	0.578	0.959	NA	NA	NA
Icelanders	NTRK3	rs28735437	0.082	0.147	1.09 (0.81, 1.45)	0.579	0.959	NA	NA	NA
Icelanders	PRSS27	rs71386687	0.109	0.197	1.12 (0.76, 1.64)	0.580	0.959	NA	NA	NA
Icelanders	ENPP6	rs78293932	-0.315	0.572	0.73 (0.24, 2.24)	0.582	0.959	NA	NA	NA
Icelanders	PPP1R14A	rs71354995	-0.078	0.142	0.92 (0.70, 1.22)	0.583	0.959	NA	NA	NA
Icelanders	TNFRSF21	rs6458555	0.137	0.250	1.15 (0.70, 1.87)	0.583	0.959	NA	NA	NA
Icelanders	DCI	rs11541763	-0.112	0.204	0.89 (0.60, 1.33)	0.584	0.959	NA	NA	NA
Icelanders	NBL1	rs4911994	0.274	0.504	1.32 (0.49, 3.53)	0.587	0.959	NA	NA	NA
Icelanders	HRASLS2	rs4963424	0.324	0.596	1.38 (0.43, 4.45)	0.587	0.959	NA	NA	NA
Icelanders	LRRC15	rs58182031	-0.047	0.087	0.95 (0.80, 1.13)	0.588	0.959	NA	NA	NA
Icelanders	LG MN	rs2236264	-0.116	0.213	0.89 (0.59, 1.35)	0.588	0.959	NA	NA	NA
Icelanders	XXYL1	rs12695049	-0.068	0.125	0.93 (0.73, 1.19)	0.589	0.959	NA	NA	NA
Icelanders	CDNF	rs61738953	0.064	0.119	1.07 (0.84, 1.34)	0.590	0.959	NA	NA	NA
Icelanders	BCAN	rs2365715	-0.087	0.161	0.92 (0.67, 1.26)	0.590	0.959	NA	NA	NA
Icelanders	SNX1	rs77404765	0.125	0.231	1.13 (0.72, 1.78)	0.590	0.959	NA	NA	NA
Icelanders	TMEM9	rs4915486	0.193	0.362	1.21 (0.60, 2.47)	0.594	0.963	NA	NA	NA
Icelanders	LDLRAP1	rs75446219	0.214	0.405	1.24 (0.56, 2.74)	0.596	0.964	NA	NA	NA
Icelanders	DNAJB4	rs6699769	0.086	0.163	1.09 (0.79, 1.50)	0.598	0.965	NA	NA	NA
Icelanders	RIPK2	rs160438	0.239	0.459	1.27 (0.52, 3.12)	0.603	0.971	NA	NA	NA
Icelanders	SNAP29	rs192565874	0.208	0.404	1.23 (0.56, 2.72)	0.607	0.973	NA	NA	NA
Icelanders	TIMD4	rs4704826	0.054	0.105	1.06 (0.86, 1.30)	0.609	0.973	NA	NA	NA
Icelanders	MAN1A2	rs73013841	-0.065	0.128	0.94 (0.73, 1.20)	0.611	0.973	NA	NA	NA
Icelanders	DNAJB1	rs11085896	0.262	0.516	1.30 (0.47, 3.57)	0.611	0.973	NA	NA	NA
Icelanders	NRP1	rs2506150	-0.043	0.084	0.96 (0.81, 1.13)	0.612	0.973	NA	NA	NA
Icelanders	LDHB	rs74626198	-0.275	0.542	0.76 (0.26, 2.20)	0.612	0.973	NA	NA	NA
Icelanders	GRAP2	rs148328786	0.359	0.710	1.43 (0.36, 5.76)	0.613	0.973	NA	NA	NA
Icelanders	HSD17B14	rs35299026	0.216	0.429	1.24 (0.54, 2.88)	0.614	0.973	NA	NA	NA

Icelanders	STIM1	rs1869085	0.136	0.270	1.15 (0.67, 1.95)	0.615	0.973	NA	NA	NA
Icelanders	KLC1	rs12884809	0.142	0.287	1.15 (0.66, 2.02)	0.620	0.974	NA	NA	NA
Icelanders	ADAMTSL2	rs11534419	-0.155	0.315	0.86 (0.46, 1.59)	0.621	0.974	NA	NA	NA
Icelanders	MIF	rs2739338	-0.204	0.414	0.82 (0.36, 1.83)	0.621	0.974	NA	NA	NA
Icelanders	MTRF1L	rs2038332	-0.081	0.164	0.92 (0.67, 1.27)	0.623	0.974	NA	NA	NA
Icelanders	GFRA1	rs4550150	-0.067	0.136	0.94 (0.72, 1.22)	0.625	0.974	NA	NA	NA
Icelanders	SPOCK2	rs1245548	-0.068	0.141	0.93 (0.71, 1.23)	0.628	0.974	NA	NA	NA
Icelanders	C3	rs11569466	0.233	0.484	1.26 (0.49, 3.26)	0.631	0.974	NA	NA	NA
Icelanders	APMAP	rs6036977	0.114	0.238	1.12 (0.70, 1.79)	0.633	0.974	NA	NA	NA
Icelanders	PXDN	rs73182757	0.089	0.187	1.09 (0.76, 1.58)	0.634	0.974	NA	NA	NA
Icelanders	FCRL6	rs57198275	-0.097	0.205	0.91 (0.61, 1.36)	0.635	0.974	NA	NA	NA
Icelanders	CDCP1	rs2276862	-0.065	0.138	0.94 (0.72, 1.23)	0.636	0.974	NA	NA	NA
Icelanders	ADH1B	rs1229984	0.081	0.170	1.08 (0.78, 1.51)	0.636	0.974	NA	NA	NA
Icelanders	DSG2	rs9304098	-0.062	0.131	0.94 (0.73, 1.21)	0.637	0.974	NA	NA	NA
Icelanders	TIMP2	rs9894212	0.176	0.378	1.19 (0.57, 2.50)	0.641	0.974	NA	NA	NA
Icelanders	COL6A2	rs35548026	-0.061	0.133	0.94 (0.73, 1.22)	0.647	0.974	NA	NA	NA
Icelanders	CNP	rs12602950	0.159	0.347	1.17 (0.59, 2.31)	0.647	0.974	NA	NA	NA
Icelanders	LARGE	rs3210587	-0.109	0.239	0.90 (0.56, 1.43)	0.648	0.974	NA	NA	NA
Icelanders	SYK	rs72729008	-0.139	0.305	0.87 (0.48, 1.58)	0.648	0.974	NA	NA	NA
Icelanders	DDX19A	rs61757207	0.261	0.571	1.30 (0.42, 3.98)	0.648	0.974	NA	NA	NA
Icelanders	DDX19B	rs61757207	0.270	0.591	1.31 (0.41, 4.17)	0.648	0.974	NA	NA	NA
Icelanders	IL6ST	rs7730934	-0.046	0.103	0.95 (0.78, 1.17)	0.652	0.974	NA	NA	NA
Icelanders	FBP2	rs573212	0.083	0.183	1.09 (0.76, 1.55)	0.652	0.974	NA	NA	NA
Icelanders	ST3GAL1	rs9643300	0.046	0.102	1.05 (0.86, 1.28)	0.653	0.974	NA	NA	NA
Icelanders	KLK8	rs74705037	0.052	0.115	1.05 (0.84, 1.32)	0.653	0.974	NA	NA	NA
Icelanders	CFH	rs70620	-0.054	0.119	0.95 (0.75, 1.20)	0.653	0.974	NA	NA	NA
Icelanders	DUT	rs919129	0.193	0.430	1.21 (0.52, 2.81)	0.654	0.974	NA	NA	NA
Icelanders	ACP5	rs10403399	-0.052	0.117	0.95 (0.76, 1.19)	0.655	0.974	NA	NA	NA
Icelanders	USP8	rs62019074	0.147	0.329	1.16 (0.61, 2.21)	0.655	0.974	NA	NA	NA
Icelanders	ACVRL1	rs2277382	0.061	0.139	1.06 (0.81, 1.40)	0.661	0.974	NA	NA	NA
Icelanders	CD300C	rs72844326	-0.046	0.106	0.95 (0.78, 1.18)	0.662	0.974	NA	NA	NA
Icelanders	SBDS	rs79344818	-0.104	0.239	0.90 (0.56, 1.44)	0.664	0.974	NA	NA	NA
Icelanders	NEK7	rs17584278	-0.104	0.241	0.90 (0.56, 1.44)	0.666	0.974	NA	NA	NA

Icelanders	IL2RB	rs228953	0.108	0.251	1.11 (0.68, 1.82)	0.667	0.974	NA	NA	NA
Icelanders	CST4	rs8121100	-0.041	0.096	0.96 (0.80, 1.16)	0.669	0.974	NA	NA	NA
Icelanders	STARD5	rs11634869	0.060	0.141	1.06 (0.81, 1.40)	0.669	0.974	NA	NA	NA
Icelanders	THBS4	rs13167730	-0.050	0.117	0.95 (0.76, 1.20)	0.670	0.974	NA	NA	NA
Icelanders	PPID	rs17843929	-0.046	0.108	0.96 (0.77, 1.18)	0.673	0.974	NA	NA	NA
Icelanders	NOG	rs76164057	-0.054	0.127	0.95 (0.74, 1.22)	0.673	0.974	NA	NA	NA
Icelanders	ENTHD2	rs61745945	0.246	0.588	1.28 (0.40, 4.05)	0.675	0.974	NA	NA	NA
Icelanders	ADAMTSL1	rs702208	-0.048	0.114	0.95 (0.76, 1.19)	0.676	0.974	NA	NA	NA
Icelanders	FAM49B	rs6470800	-0.204	0.489	0.82 (0.31, 2.13)	0.677	0.974	NA	NA	NA
Icelanders	MAPKAPK2	rs4256810	-0.063	0.152	0.94 (0.70, 1.26)	0.679	0.974	NA	NA	NA
Icelanders	SRL	rs11640587	-0.093	0.225	0.91 (0.59, 1.42)	0.681	0.974	NA	NA	NA
Icelanders	FGFBP3	rs11186737	-0.038	0.093	0.96 (0.80, 1.16)	0.685	0.974	NA	NA	NA
Icelanders	SEMA3G	rs13091025	-0.054	0.132	0.95 (0.73, 1.23)	0.685	0.974	NA	NA	NA
Icelanders	SCO2	rs74479613	-0.113	0.279	0.89 (0.52, 1.54)	0.685	0.974	NA	NA	NA
Icelanders	HSPG2	rs2229475	-0.043	0.106	0.96 (0.78, 1.18)	0.686	0.974	NA	NA	NA
Icelanders	B3GNT2	rs4073090	-0.063	0.157	0.94 (0.69, 1.28)	0.687	0.974	NA	NA	NA
Icelanders	CMPK1	rs35687416	-0.143	0.354	0.87 (0.43, 1.74)	0.687	0.974	NA	NA	NA
Icelanders	CTSD	rs55861089	0.052	0.130	1.05 (0.82, 1.36)	0.688	0.974	NA	NA	NA
Icelanders	TNR	rs2235256	-0.078	0.195	0.93 (0.63, 1.36)	0.690	0.974	NA	NA	NA
Icelanders	CYB5D2	rs118123280	-0.067	0.168	0.94 (0.67, 1.30)	0.693	0.974	NA	NA	NA
Icelanders	EPB41	rs204074	-0.190	0.483	0.83 (0.32, 2.13)	0.694	0.974	NA	NA	NA
Icelanders	APOF	rs2020854	0.063	0.159	1.06 (0.78, 1.45)	0.695	0.974	NA	NA	NA
Icelanders	S100A16	rs9726753	-0.053	0.135	0.95 (0.73, 1.24)	0.696	0.974	NA	NA	NA
Icelanders	ATXN3	rs2273185	0.041	0.107	1.04 (0.84, 1.29)	0.700	0.974	NA	NA	NA
Icelanders	CRTAM	rs2370794	-0.044	0.115	0.96 (0.76, 1.20)	0.700	0.974	NA	NA	NA
Icelanders	ASPH	rs112800350	0.125	0.328	1.13 (0.60, 2.15)	0.702	0.974	NA	NA	NA
Icelanders	CPLX1	rs7687101	0.172	0.449	1.19 (0.49, 2.86)	0.702	0.974	NA	NA	NA
Icelanders	IFIT3	rs10509571	0.120	0.315	1.13 (0.61, 2.09)	0.703	0.974	NA	NA	NA
Icelanders	PVRL4	rs34990628	-0.191	0.508	0.83 (0.31, 2.24)	0.707	0.974	NA	NA	NA
Icelanders	KIAA1467	rs117172138	0.070	0.188	1.07 (0.74, 1.55)	0.709	0.974	NA	NA	NA
Icelanders	RAD23B	rs35827173	-0.187	0.501	0.83 (0.31, 2.21)	0.709	0.974	NA	NA	NA
Icelanders	PHPT1	rs4880150	-0.051	0.138	0.95 (0.72, 1.25)	0.710	0.974	NA	NA	NA
Icelanders	IGSF8	rs12408242	-0.069	0.187	0.93 (0.65, 1.35)	0.711	0.974	NA	NA	NA

Icelanders	GALP	rs139011716	-0.197	0.534	0.82 (0.29, 2.34)	0.713	0.974	NA	NA	NA
Icelanders	IDI2	rs61830965	-0.076	0.207	0.93 (0.62, 1.39)	0.715	0.974	NA	NA	NA
Icelanders	CFL2	rs6571678	-0.085	0.233	0.92 (0.58, 1.45)	0.715	0.974	NA	NA	NA
Icelanders	SPINT1	rs17658212	0.053	0.146	1.05 (0.79, 1.40)	0.717	0.974	NA	NA	NA
Icelanders	HSPC159	rs78459351	0.142	0.392	1.15 (0.53, 2.48)	0.717	0.974	NA	NA	NA
Icelanders	LAG3	rs3782735	-0.071	0.196	0.93 (0.63, 1.37)	0.718	0.974	NA	NA	NA
Icelanders	MYBPC1	rs3817552	-0.114	0.317	0.89 (0.48, 1.66)	0.720	0.974	NA	NA	NA
Icelanders	VEGFA	rs6921438	0.031	0.086	1.03 (0.87, 1.22)	0.721	0.974	NA	NA	NA
Icelanders	GATM	rs1153858	-0.056	0.156	0.95 (0.70, 1.28)	0.722	0.974	NA	NA	NA
Icelanders	LEFTY2	rs360058	0.051	0.144	1.05 (0.79, 1.39)	0.725	0.974	NA	NA	NA
Icelanders	IGFBP1	rs3828998	-0.111	0.320	0.89 (0.48, 1.68)	0.728	0.974	NA	NA	NA
Icelanders	CA3	rs2072696	-0.050	0.145	0.95 (0.72, 1.26)	0.729	0.974	NA	NA	NA
Icelanders	CRYGD	rs34570682	-0.078	0.224	0.93 (0.60, 1.44)	0.730	0.974	NA	NA	NA
Icelanders	UNC5D	rs2405810	0.087	0.252	1.09 (0.67, 1.79)	0.730	0.974	NA	NA	NA
Icelanders	FLII	rs138865936	0.152	0.443	1.16 (0.49, 2.78)	0.731	0.974	NA	NA	NA
Icelanders	TNFSF13B	rs113469631	0.165	0.483	1.18 (0.46, 3.04)	0.732	0.974	NA	NA	NA
Icelanders	EMILIN3	rs61739314	-0.037	0.108	0.96 (0.78, 1.19)	0.733	0.974	NA	NA	NA
Icelanders	ARFIP1	rs4619875	0.040	0.119	1.04 (0.83, 1.31)	0.733	0.974	NA	NA	NA
Icelanders	DLK2	rs2125739	-0.056	0.163	0.95 (0.69, 1.30)	0.734	0.974	NA	NA	NA
Icelanders	OMG	rs12449302	-0.103	0.304	0.90 (0.50, 1.64)	0.736	0.974	NA	NA	NA
Icelanders	MUC16	rs61742668	-0.067	0.201	0.93 (0.63, 1.39)	0.737	0.974	NA	NA	NA
Icelanders	NME2	rs145372333	0.070	0.212	1.07 (0.71, 1.62)	0.741	0.974	NA	NA	NA
Icelanders	CELA2A	rs78880003	-0.100	0.303	0.90 (0.50, 1.64)	0.741	0.974	NA	NA	NA
Icelanders	CLINT1	rs62389053	0.148	0.447	1.16 (0.48, 2.78)	0.741	0.974	NA	NA	NA
Icelanders	AOC2	rs34230945	-0.208	0.632	0.81 (0.24, 2.80)	0.742	0.974	NA	NA	NA
Icelanders	UGT1A6	rs1976391	0.038	0.115	1.04 (0.83, 1.30)	0.743	0.974	NA	NA	NA
Icelanders	CR2	rs61240730	-0.052	0.157	0.95 (0.70, 1.29)	0.743	0.974	NA	NA	NA
Icelanders	CXCL5	rs352045	0.066	0.201	1.07 (0.72, 1.58)	0.743	0.974	NA	NA	NA
Icelanders	CETN3	rs4873	-0.119	0.364	0.89 (0.44, 1.81)	0.744	0.974	NA	NA	NA
Icelanders	RGS18	rs4495675	0.135	0.414	1.14 (0.51, 2.58)	0.744	0.974	NA	NA	NA
Icelanders	CHL1	rs13077895	-0.037	0.115	0.96 (0.77, 1.21)	0.747	0.974	NA	NA	NA
Icelanders	CEL	rs592267	0.052	0.161	1.05 (0.77, 1.44)	0.747	0.974	NA	NA	NA
Icelanders	RTN4IP1	rs9373885	-0.136	0.420	0.87 (0.38, 1.99)	0.747	0.974	NA	NA	NA

Icelanders	C5	rs17220750	0.070	0.218	1.07 (0.70, 1.64)	0.748	0.974	NA	NA	NA
Icelanders	IL20RA	rs1167852	-0.145	0.455	0.87 (0.35, 2.11)	0.750	0.974	NA	NA	NA
Icelanders	CNDP1	rs17817077	0.029	0.090	1.03 (0.86, 1.23)	0.752	0.974	NA	NA	NA
Icelanders	PTHLH	rs11049365	0.073	0.229	1.08 (0.69, 1.69)	0.752	0.974	NA	NA	NA
Icelanders	GLRX2	rs148212596	-0.057	0.180	0.94 (0.66, 1.35)	0.753	0.974	NA	NA	NA
Icelanders	GCA	rs17783344	0.029	0.091	1.03 (0.86, 1.23)	0.754	0.974	NA	NA	NA
Icelanders	AGT	rs2071404	0.044	0.140	1.04 (0.79, 1.37)	0.754	0.974	NA	NA	NA
Icelanders	CLN5	rs700363	0.088	0.281	1.09 (0.63, 1.90)	0.754	0.974	NA	NA	NA
Icelanders	FGG	rs4220	-0.061	0.194	0.94 (0.64, 1.38)	0.755	0.974	NA	NA	NA
Icelanders	GFER	rs3743846	0.141	0.453	1.15 (0.47, 2.80)	0.755	0.974	NA	NA	NA
Icelanders	GIF	rs7938323	0.049	0.157	1.05 (0.77, 1.43)	0.756	0.974	NA	NA	NA
Icelanders	UBE2F	rs59412705	0.113	0.363	1.12 (0.55, 2.28)	0.756	0.974	NA	NA	NA
Icelanders	SORD	rs72722045	-0.048	0.155	0.95 (0.70, 1.29)	0.757	0.974	NA	NA	NA
Icelanders	CPOX	rs1675513	0.054	0.180	1.06 (0.74, 1.50)	0.763	0.974	NA	NA	NA
Icelanders	SYK	rs75505307	-0.092	0.306	0.91 (0.50, 1.66)	0.765	0.974	NA	NA	NA
Icelanders	CHGA	rs729940	0.034	0.115	1.03 (0.83, 1.30)	0.768	0.974	NA	NA	NA
Icelanders	SERPINA5	rs6119	0.035	0.120	1.04 (0.82, 1.31)	0.768	0.974	NA	NA	NA
Icelanders	RBP7	rs1220424	-0.069	0.240	0.93 (0.58, 1.49)	0.773	0.974	NA	NA	NA
Icelanders	EPHB1	rs185257	0.026	0.090	1.03 (0.86, 1.22)	0.776	0.974	NA	NA	NA
Icelanders	MGAT2	rs7519	0.055	0.192	1.06 (0.72, 1.54)	0.776	0.974	NA	NA	NA
Icelanders	MPPED2	rs11031140	0.058	0.204	1.06 (0.71, 1.58)	0.776	0.974	NA	NA	NA
Icelanders	PNLIPRP1	rs2915766	-0.047	0.165	0.95 (0.69, 1.32)	0.777	0.974	NA	NA	NA
Icelanders	CHST4	rs58134724	-0.095	0.335	0.91 (0.47, 1.75)	0.777	0.974	NA	NA	NA
Icelanders	WIF1	rs466104	-0.118	0.419	0.89 (0.39, 2.02)	0.777	0.974	NA	NA	NA
Icelanders	FIS1	rs75487681	0.053	0.188	1.05 (0.73, 1.52)	0.778	0.974	NA	NA	NA
Icelanders	UPP1	rs6950051	0.075	0.266	1.08 (0.64, 1.81)	0.778	0.974	NA	NA	NA
Icelanders	CDH17	rs7833351	-0.027	0.098	0.97 (0.80, 1.18)	0.779	0.974	NA	NA	NA
Icelanders	HFE2	rs75466623	-0.101	0.361	0.90 (0.45, 1.83)	0.779	0.974	NA	NA	NA
Icelanders	CCL23	rs41341749	0.026	0.092	1.03 (0.86, 1.23)	0.782	0.974	NA	NA	NA
Icelanders	FAM3B	rs60265870	0.030	0.107	1.03 (0.84, 1.27)	0.782	0.974	NA	NA	NA
Icelanders	RBP5	rs2290239	-0.043	0.156	0.96 (0.71, 1.30)	0.783	0.974	NA	NA	NA
Icelanders	IDI1	rs4880758	-0.107	0.389	0.90 (0.42, 1.93)	0.783	0.974	NA	NA	NA
Icelanders	ISG15	rs1921	0.031	0.112	1.03 (0.83, 1.28)	0.784	0.974	NA	NA	NA

Icelanders	STX8	rs11078801	0.113	0.412	1.12 (0.50, 2.51)	0.784	0.974	NA	NA	NA
Icelanders	ANKRD27	rs17693106	-0.138	0.506	0.87 (0.32, 2.35)	0.785	0.974	NA	NA	NA
Icelanders	KL	rs10467359	-0.051	0.190	0.95 (0.66, 1.38)	0.787	0.974	NA	NA	NA
Icelanders	AZGP1	rs2525546	0.032	0.119	1.03 (0.82, 1.30)	0.788	0.974	NA	NA	NA
Icelanders	SLITRK5	rs12877225	-0.053	0.196	0.95 (0.65, 1.39)	0.788	0.974	NA	NA	NA
Icelanders	SGK3	rs145451983	0.120	0.448	1.13 (0.47, 2.71)	0.788	0.974	NA	NA	NA
Icelanders	IGLON5	rs148108087	-0.086	0.320	0.92 (0.49, 1.72)	0.789	0.974	NA	NA	NA
Icelanders	HAPLN1	rs10039191	-0.065	0.246	0.94 (0.58, 1.52)	0.791	0.974	NA	NA	NA
Icelanders	SAA2	rs10430893	-0.019	0.071	0.98 (0.85, 1.13)	0.794	0.974	NA	NA	NA
Icelanders	SDF2	rs704	-0.028	0.106	0.97 (0.79, 1.20)	0.796	0.974	NA	NA	NA
Icelanders	CASS4	rs2426628	-0.132	0.509	0.88 (0.32, 2.38)	0.796	0.974	NA	NA	NA
Icelanders	ACAP2	rs62285629	-0.133	0.515	0.88 (0.32, 2.40)	0.796	0.974	NA	NA	NA
Icelanders	APP	rs439826	0.085	0.330	1.09 (0.57, 2.08)	0.797	0.974	NA	NA	NA
Icelanders	HDHD3	rs1043836	0.038	0.152	1.04 (0.77, 1.40)	0.801	0.974	NA	NA	NA
Icelanders	ANXA1	rs7357731	-0.050	0.199	0.95 (0.64, 1.40)	0.801	0.974	NA	NA	NA
Icelanders	PPCS	rs2152315	0.064	0.256	1.07 (0.65, 1.76)	0.803	0.974	NA	NA	NA
Icelanders	ECHS1	rs10466126	-0.148	0.595	0.86 (0.27, 2.77)	0.803	0.974	NA	NA	NA
Icelanders	ROR1	rs61765448	-0.027	0.109	0.97 (0.79, 1.21)	0.805	0.974	NA	NA	NA
Icelanders	WFIKKN1	rs55798945	-0.049	0.198	0.95 (0.65, 1.40)	0.806	0.974	NA	NA	NA
Icelanders	TES	rs143664050	-0.101	0.415	0.90 (0.40, 2.04)	0.807	0.974	NA	NA	NA
Icelanders	ADGRE2	rs67023356	-0.022	0.090	0.98 (0.82, 1.17)	0.808	0.974	NA	NA	NA
Icelanders	HDGFRP3	rs9919979	-0.065	0.275	0.94 (0.55, 1.61)	0.813	0.974	NA	NA	NA
Icelanders	FSTL4	rs17683306	-0.099	0.427	0.91 (0.39, 2.09)	0.817	0.974	NA	NA	NA
Icelanders	ANTXR2	rs7674623	0.033	0.142	1.03 (0.78, 1.36)	0.818	0.974	NA	NA	NA
Icelanders	TIRAP	rs8177399	-0.037	0.162	0.96 (0.70, 1.32)	0.818	0.974	NA	NA	NA
Icelanders	GSTP1	rs1254123	-0.044	0.192	0.96 (0.66, 1.39)	0.819	0.974	NA	NA	NA
Icelanders	LYPLAL1	rs75060212	0.056	0.247	1.06 (0.65, 1.72)	0.820	0.974	NA	NA	NA
Icelanders	CA1	rs117634905	0.047	0.210	1.05 (0.69, 1.58)	0.822	0.974	NA	NA	NA
Icelanders	FBP1	rs2460137	0.061	0.271	1.06 (0.63, 1.81)	0.823	0.974	NA	NA	NA
Icelanders	IL10RB	rs4455239	0.083	0.370	1.09 (0.53, 2.24)	0.823	0.974	NA	NA	NA
Icelanders	CCDC126	rs7781145	0.021	0.093	1.02 (0.85, 1.22)	0.824	0.974	NA	NA	NA
Icelanders	ADSSL1	rs10142660	0.025	0.114	1.03 (0.82, 1.28)	0.824	0.974	NA	NA	NA
Icelanders	EPHA10	rs12074120	0.078	0.350	1.08 (0.54, 2.15)	0.825	0.974	NA	NA	NA

Icelanders	PSAT1	rs2277148	-0.045	0.203	0.96 (0.64, 1.42)	0.826	0.974	NA	NA	NA
Icelanders	ALDH3B1	rs475325	0.046	0.211	1.05 (0.69, 1.58)	0.826	0.974	NA	NA	NA
Icelanders	XCL2	rs4501820	-0.149	0.677	0.86 (0.23, 3.25)	0.826	0.974	NA	NA	NA
Icelanders	PGLYRP2	rs140755383	0.021	0.098	1.02 (0.84, 1.24)	0.827	0.974	NA	NA	NA
Icelanders	RPS6KA1	rs11589734	0.054	0.247	1.06 (0.65, 1.71)	0.827	0.974	NA	NA	NA
Icelanders	AGER	rs2070600	-0.035	0.160	0.97 (0.71, 1.32)	0.828	0.974	NA	NA	NA
Icelanders	PGM1	rs61765292	-0.057	0.260	0.94 (0.57, 1.57)	0.828	0.974	NA	NA	NA
Icelanders	OVCA2	rs145234879	-0.080	0.373	0.92 (0.44, 1.92)	0.829	0.974	NA	NA	NA
Icelanders	KRT5	rs641615	0.041	0.193	1.04 (0.71, 1.52)	0.831	0.974	NA	NA	NA
Icelanders	GLRX	rs6556885	0.076	0.360	1.08 (0.53, 2.19)	0.832	0.974	NA	NA	NA
Icelanders	PPA2	rs4699179	-0.064	0.303	0.94 (0.52, 1.70)	0.833	0.974	NA	NA	NA
Icelanders	PF4V1	rs872914	-0.017	0.083	0.98 (0.84, 1.16)	0.836	0.974	NA	NA	NA
Icelanders	CRYBB1	rs4822754	-0.030	0.146	0.97 (0.73, 1.29)	0.837	0.974	NA	NA	NA
Icelanders	TREM1	rs4424081	-0.018	0.088	0.98 (0.83, 1.17)	0.839	0.974	NA	NA	NA
Icelanders	GHR	rs4610468	0.027	0.131	1.03 (0.79, 1.33)	0.839	0.974	NA	NA	NA
Icelanders	CPM	rs1908671	0.057	0.282	1.06 (0.61, 1.84)	0.840	0.974	NA	NA	NA
Icelanders	UGDH	rs10008031	0.017	0.085	1.02 (0.86, 1.20)	0.841	0.974	NA	NA	NA
Icelanders	RET	rs2435359	0.017	0.087	1.02 (0.86, 1.21)	0.845	0.974	NA	NA	NA
Icelanders	MANSC1	rs3825259	0.020	0.102	1.02 (0.83, 1.25)	0.845	0.974	NA	NA	NA
Icelanders	PDGFD	rs7950273	-0.018	0.092	0.98 (0.82, 1.18)	0.848	0.974	NA	NA	NA
Icelanders	CNTFR	rs10972159	0.036	0.187	1.04 (0.72, 1.50)	0.848	0.974	NA	NA	NA
Icelanders	POSTN	rs117103342	-0.063	0.329	0.94 (0.49, 1.79)	0.849	0.974	NA	NA	NA
Icelanders	DNER	rs62193248	-0.027	0.145	0.97 (0.73, 1.29)	0.851	0.974	NA	NA	NA
Icelanders	KPNA6	rs140904849	-0.096	0.511	0.91 (0.33, 2.47)	0.851	0.974	NA	NA	NA
Icelanders	REG1B	rs76841471	-0.018	0.099	0.98 (0.81, 1.19)	0.852	0.974	NA	NA	NA
Icelanders	REG1A	rs76841471	-0.018	0.099	0.98 (0.81, 1.19)	0.852	0.974	NA	NA	NA
Icelanders	AGRN	rs4970394	0.025	0.134	1.03 (0.79, 1.33)	0.852	0.974	NA	NA	NA
Icelanders	KNG1	rs2304456	-0.022	0.119	0.98 (0.77, 1.24)	0.853	0.974	NA	NA	NA
Icelanders	SUMO3	rs741949	-0.092	0.507	0.91 (0.34, 2.46)	0.856	0.974	NA	NA	NA
Icelanders	SLITRK3	rs62282372	-0.014	0.076	0.99 (0.85, 1.15)	0.857	0.974	NA	NA	NA
Icelanders	MATN4	rs9784191	-0.020	0.111	0.98 (0.79, 1.22)	0.857	0.974	NA	NA	NA
Icelanders	CINP	rs3759562	-0.080	0.452	0.92 (0.38, 2.24)	0.859	0.974	NA	NA	NA
Icelanders	GALNT16	rs12100668	0.026	0.150	1.03 (0.77, 1.38)	0.860	0.974	NA	NA	NA

Icelanders	UBASH3B	rs11218735	0.038	0.218	1.04 (0.68, 1.59)	0.860	0.974	NA	NA	NA
Icelanders	COL6A3	rs11677932	0.067	0.380	1.07 (0.51, 2.25)	0.860	0.974	NA	NA	NA
Icelanders	DCTD	rs2603350	0.059	0.339	1.06 (0.55, 2.06)	0.862	0.974	NA	NA	NA
Icelanders	IFNLR1	rs139958347	0.039	0.226	1.04 (0.67, 1.62)	0.863	0.974	NA	NA	NA
Icelanders	RAB21	rs61754230	-0.097	0.562	0.91 (0.30, 2.73)	0.863	0.974	NA	NA	NA
Icelanders	TSG101	rs1395319	-0.030	0.175	0.97 (0.69, 1.37)	0.864	0.974	NA	NA	NA
Icelanders	TGM4	rs1995640	-0.086	0.502	0.92 (0.34, 2.46)	0.864	0.974	NA	NA	NA
Icelanders	SARS2	rs7508539	-0.039	0.231	0.96 (0.61, 1.51)	0.866	0.974	NA	NA	NA
Icelanders	IL1RL2	rs3917265	-0.025	0.153	0.98 (0.72, 1.32)	0.870	0.978	NA	NA	NA
Icelanders	ARF4	rs1354034	-0.043	0.278	0.96 (0.56, 1.65)	0.876	0.983	NA	NA	NA
Icelanders	GGPS1	rs7534175	0.045	0.295	1.05 (0.59, 1.86)	0.880	0.986	NA	NA	NA
Icelanders	RPE	rs2723211	0.045	0.306	1.05 (0.57, 1.91)	0.883	0.988	NA	NA	NA
Icelanders	GNPTG	rs9923746	0.013	0.090	1.01 (0.85, 1.21)	0.887	0.989	NA	NA	NA
Icelanders	FKBP2	rs4672	0.084	0.595	1.09 (0.34, 3.49)	0.888	0.989	NA	NA	NA
Icelanders	IL1RN	rs55709272	-0.019	0.136	0.98 (0.75, 1.28)	0.890	0.989	NA	NA	NA
Icelanders	TFPI	rs116350534	0.078	0.567	1.08 (0.36, 3.29)	0.891	0.989	NA	NA	NA
Icelanders	PCNP	rs13060373	0.041	0.304	1.04 (0.57, 1.89)	0.892	0.989	NA	NA	NA
Icelanders	SMOC1	rs1958078	-0.018	0.140	0.98 (0.75, 1.29)	0.900	0.989	NA	NA	NA
Icelanders	FOXO3	rs3813498	-0.065	0.515	0.94 (0.34, 2.57)	0.900	0.989	NA	NA	NA
Icelanders	IL22	rs139977220	0.056	0.456	1.06 (0.43, 2.59)	0.902	0.989	NA	NA	NA
Icelanders	RAB6B	rs10212397	0.016	0.129	1.02 (0.79, 1.31)	0.903	0.989	NA	NA	NA
Icelanders	PTK7	rs3828755	-0.038	0.306	0.96 (0.53, 1.76)	0.903	0.989	NA	NA	NA
Icelanders	MAP1LC3A	rs6059848	-0.062	0.524	0.94 (0.34, 2.63)	0.906	0.989	NA	NA	NA
Icelanders	VTA1	rs225656	-0.058	0.498	0.94 (0.36, 2.50)	0.907	0.989	NA	NA	NA
Icelanders	TCN1	rs34324219	0.011	0.096	1.01 (0.84, 1.22)	0.908	0.989	NA	NA	NA
Icelanders	DNAJB14	rs55797991	0.053	0.459	1.05 (0.43, 2.59)	0.909	0.989	NA	NA	NA
Icelanders	ELMO1	rs7782999	-0.035	0.312	0.97 (0.52, 1.78)	0.911	0.989	NA	NA	NA
Icelanders	ZG16B	rs9925556	-0.017	0.156	0.98 (0.72, 1.33)	0.912	0.989	NA	NA	NA
Icelanders	CCDC134	rs5996067	-0.028	0.254	0.97 (0.59, 1.60)	0.912	0.989	NA	NA	NA
Icelanders	MDK	rs77817298	0.043	0.391	1.04 (0.48, 2.25)	0.913	0.989	NA	NA	NA
Icelanders	CCL11	rs1989357	0.023	0.208	1.02 (0.68, 1.54)	0.914	0.989	NA	NA	NA
Icelanders	NID1	rs76183323	0.028	0.258	1.03 (0.62, 1.71)	0.915	0.989	NA	NA	NA
Icelanders	TLL1	rs1903176	0.050	0.470	1.05 (0.42, 2.64)	0.915	0.989	NA	NA	NA

Icelanders	PROC	rs61185143	0.019	0.177	1.02 (0.72, 1.44)	0.917	0.989	NA	NA	NA
Icelanders	HYAL1	rs116482870	-0.025	0.236	0.98 (0.61, 1.55)	0.917	0.989	NA	NA	NA
Icelanders	MANF	rs1383251	0.041	0.393	1.04 (0.48, 2.25)	0.917	0.989	NA	NA	NA
Icelanders	MFGE8	rs34239095	0.011	0.108	1.01 (0.82, 1.25)	0.918	0.989	NA	NA	NA
Icelanders	HEXB	rs13164140	-0.011	0.109	0.99 (0.80, 1.22)	0.918	0.989	NA	NA	NA
Icelanders	STX7	rs3813356	0.022	0.212	1.02 (0.67, 1.55)	0.918	0.989	NA	NA	NA
Icelanders	CRISPLD2	rs190984919	-0.025	0.239	0.98 (0.61, 1.56)	0.918	0.989	NA	NA	NA
Icelanders	VPS26A	rs10998638	-0.016	0.163	0.98 (0.72, 1.35)	0.921	0.991	NA	NA	NA
Icelanders	TIMP4	rs184262	0.008	0.080	1.01 (0.86, 1.18)	0.924	0.991	NA	NA	NA
Icelanders	ADH5	rs28894371	0.018	0.194	1.02 (0.70, 1.49)	0.925	0.991	NA	NA	NA
Icelanders	ADH1A	rs77326813	-0.018	0.197	0.98 (0.67, 1.44)	0.928	0.991	NA	NA	NA
Icelanders	SERPINB5	rs7244879	0.016	0.187	1.02 (0.70, 1.47)	0.930	0.991	NA	NA	NA
Icelanders	B4GALT1	rs7019909	0.012	0.137	1.01 (0.77, 1.32)	0.932	0.991	NA	NA	NA
Icelanders	PGLYRP3	rs1865234	0.048	0.559	1.05 (0.35, 3.14)	0.932	0.991	NA	NA	NA
Icelanders	MCEE	rs6740268	0.034	0.410	1.03 (0.46, 2.31)	0.934	0.991	NA	NA	NA
Icelanders	EIF1AD	rs72930984	-0.012	0.146	0.99 (0.74, 1.32)	0.935	0.991	NA	NA	NA
Icelanders	HEXIM2	rs4792867	-0.024	0.301	0.98 (0.54, 1.76)	0.935	0.991	NA	NA	NA
Icelanders	WFDC5	rs35456522	-0.037	0.465	0.96 (0.39, 2.40)	0.937	0.991	NA	NA	NA
Icelanders	FCER2	rs2277989	-0.007	0.092	0.99 (0.83, 1.19)	0.939	0.991	NA	NA	NA
Icelanders	IFI16	rs856053	-0.034	0.451	0.97 (0.40, 2.34)	0.939	0.991	NA	NA	NA
Icelanders	SMAD1	rs34180190	0.040	0.522	1.04 (0.37, 2.90)	0.939	0.991	NA	NA	NA
Icelanders	MXRA8	rs181929025	-0.030	0.394	0.97 (0.45, 2.10)	0.940	0.991	NA	NA	NA
Icelanders	RGMB	rs61048056	0.013	0.174	1.01 (0.72, 1.43)	0.941	0.991	NA	NA	NA
Icelanders	CD46	rs10746399	-0.008	0.104	0.99 (0.81, 1.22)	0.942	0.991	NA	NA	NA
Icelanders	HEXIM1	rs4792858	-0.021	0.294	0.98 (0.55, 1.74)	0.943	0.991	NA	NA	NA
Icelanders	CAMP	rs55771110	-0.023	0.355	0.98 (0.49, 1.96)	0.949	0.995	NA	NA	NA
Icelanders	TXNDC15	rs3733897	-0.005	0.078	1.00 (0.85, 1.16)	0.950	0.995	NA	NA	NA
Icelanders	INSL5	rs11809759	0.025	0.425	1.03 (0.45, 2.36)	0.953	0.995	NA	NA	NA
Icelanders	SERPINA11	rs72631635	-0.006	0.113	0.99 (0.80, 1.24)	0.955	0.995	NA	NA	NA
Icelanders	CCT5	rs11557652	0.037	0.643	1.04 (0.29, 3.66)	0.955	0.995	NA	NA	NA
Icelanders	LHB	rs79785970	0.006	0.107	1.01 (0.82, 1.24)	0.956	0.995	NA	NA	NA
Icelanders	ENO2	rs2239165	0.009	0.172	1.01 (0.72, 1.41)	0.957	0.995	NA	NA	NA
Icelanders	RAB31	rs12607866	-0.012	0.227	0.99 (0.63, 1.54)	0.959	0.995	NA	NA	NA

Icelanders	S100A14	rs9330298	0.014	0.286	1.01 (0.58, 1.78)	0.960	0.995	NA	NA	NA
Icelanders	VIM	rs796667	0.016	0.321	1.02 (0.54, 1.91)	0.960	0.995	NA	NA	NA
Icelanders	RRM1	rs11031142	-0.020	0.412	0.98 (0.44, 2.20)	0.961	0.995	NA	NA	NA
Icelanders	SEPSECS	rs6448333	0.018	0.380	1.02 (0.48, 2.14)	0.962	0.995	NA	NA	NA
Icelanders	ADH6	rs28730617	0.008	0.187	1.01 (0.70, 1.45)	0.966	0.995	NA	NA	NA
Icelanders	TRIM3	rs35717222	0.010	0.235	1.01 (0.64, 1.60)	0.966	0.995	NA	NA	NA
Icelanders	ACADSB	rs7913063	-0.011	0.263	0.99 (0.59, 1.66)	0.966	0.995	NA	NA	NA
Icelanders	VAV1	rs36097961	0.023	0.557	1.02 (0.34, 3.05)	0.967	0.995	NA	NA	NA
Icelanders	SMPDL3A	rs28385609	0.005	0.126	1.01 (0.78, 1.29)	0.968	0.995	NA	NA	NA
Icelanders	CDKN1B	rs111909987	-0.013	0.331	0.99 (0.52, 1.89)	0.968	0.995	NA	NA	NA
Icelanders	ALCAM	rs77228368	-0.011	0.305	0.99 (0.54, 1.80)	0.971	0.996	NA	NA	NA
Icelanders	PRKCSH	rs11557488	0.012	0.363	1.01 (0.50, 2.06)	0.974	0.997	NA	NA	NA
Icelanders	DARS2	rs141298312	-0.012	0.372	0.99 (0.48, 2.05)	0.975	0.997	NA	NA	NA
Icelanders	THYN1	rs12278812	0.018	0.607	1.02 (0.31, 3.34)	0.976	0.997	NA	NA	NA
Icelanders	PRKCA	rs61762372	-0.009	0.318	0.99 (0.53, 1.85)	0.978	0.997	NA	NA	NA
Icelanders	PGLYRP1	rs2072563	0.004	0.143	1.00 (0.76, 1.33)	0.979	0.997	NA	NA	NA
Icelanders	ITGA2	rs181769	0.008	0.296	1.01 (0.56, 1.80)	0.979	0.997	NA	NA	NA
Icelanders	GFRA2	rs15881	-0.002	0.081	1.00 (0.85, 1.17)	0.981	0.997	NA	NA	NA
Icelanders	PRSS2	rs1799886	0.003	0.138	1.00 (0.77, 1.31)	0.983	0.997	NA	NA	NA
Icelanders	APOL1	rs136148	-0.001	0.078	1.00 (0.86, 1.16)	0.985	0.997	NA	NA	NA
Icelanders	CHST9	rs9953270	0.002	0.105	1.00 (0.81, 1.23)	0.985	0.997	NA	NA	NA
Icelanders	MAN1C1	rs11247595	-0.003	0.149	1.00 (0.74, 1.34)	0.986	0.997	NA	NA	NA
Icelanders	KIAA1161	rs4879780	-0.003	0.211	1.00 (0.66, 1.51)	0.987	0.997	NA	NA	NA
Icelanders	NUDT2	rs10814104	-0.001	0.098	1.00 (0.82, 1.21)	0.989	0.998	NA	NA	NA
Icelanders	KDR	rs34231037	-0.001	0.122	1.00 (0.79, 1.27)	0.990	0.998	NA	NA	NA
Icelanders	CYB5A	rs17806420	-0.003	0.335	1.00 (0.52, 1.92)	0.993	0.998	NA	NA	NA
Icelanders	KLK12	rs3745540	0.001	0.186	1.00 (0.69, 1.44)	0.994	0.998	NA	NA	NA
Icelanders	HK2	rs3732298	0.006	0.778	1.01 (0.22, 4.62)	0.994	0.998	NA	NA	NA
Icelanders	TNFRSF17	rs11570136	0.001	0.208	1.00 (0.67, 1.50)	0.997	0.999	NA	NA	NA
Icelanders	KDELC2	rs74911261	-1.96E-04	0.094	1.00 (0.83, 1.20)	0.998	0.999	NA	NA	NA
Icelanders	CD7	rs3176831	-2.22E-04	0.160	1.00 (0.73, 1.37)	0.999	0.999	NA	NA	NA
FinnGen Somascan	MMP12	rs17368659	-0.217	0.049	0.80 (0.73, 0.88)	7.37E-06	0.006	0.985	20	62.5%
FinnGen Somascan	LEPR	rs12077336	0.047	0.023	1.05 (1.00, 1.10)	0.040	0.772	0.562	20	2.3%

FinnGen Somascan	LRP4	rs2306029	0.115	0.058	1.12 (1.00, 1.26)	0.047	0.772	0.850	20	4.1%
FinnGen Somascan	IGFBP3	rs145188037	0.207	0.097	1.23 (1.02, 1.49)	0.032	0.772	0.331	20	4.3%
FinnGen Somascan	REG1B	rs716413	-0.098	0.048	0.91 (0.83, 1.00)	0.040	0.772	0.716	20	5.5%
FinnGen Somascan	CYTL1	rs11722554	-0.234	0.100	0.79 (0.65, 0.96)	0.019	0.772	0.023	5	5.6%
FinnGen Somascan	C8G	rs2071006	-0.110	0.056	0.90 (0.80, 1.00)	0.048	0.772	0.273	20	7.1%
FinnGen Somascan	FCRL3	rs3761959	0.056	0.026	1.06 (1.00, 1.11)	0.036	0.772	0.338	20	8.5%
FinnGen Somascan	ICAM5	rs281439	-0.073	0.032	0.93 (0.87, 0.99)	0.025	0.772	0.088	20	8.7%
FinnGen Somascan	TMEM190	rs4806666	-0.054	0.026	0.95 (0.90, 1.00)	0.036	0.772	0.705	20	8.7%
FinnGen Somascan	ICAM5	rs281439	-0.073	0.033	0.93 (0.87, 0.99)	0.025	0.772	0.058	20	8.8%
FinnGen Somascan	ICAM5	rs281439	-0.076	0.034	0.93 (0.87, 0.99)	0.025	0.772	0.085	20	9.1%
FinnGen Somascan	PPIE	rs1046988	0.137	0.067	1.15 (1.01, 1.31)	0.039	0.772	0.759	20	9.2%
FinnGen Somascan	PILRA	rs7384878	-0.048	0.024	0.95 (0.91, 1.00)	0.045	0.772	0.888	20	9.5%
FinnGen Somascan	PILRA	rs7384878	-0.051	0.025	0.95 (0.90, 1.00)	0.045	0.772	0.929	20	9.5%
FinnGen Somascan	TNFAIP6	rs6715393	-0.124	0.057	0.88 (0.79, 0.99)	0.029	0.772	0.672	20	9.8%
FinnGen Somascan	SERPINE2	rs13412535	-0.126	0.062	0.88 (0.78, 1.00)	0.042	0.772	0.923	20	10.1%
FinnGen Somascan	C19orf53	rs35370055	-0.178	0.087	0.84 (0.71, 0.99)	0.040	0.772	0.744	9	10.7%
FinnGen Somascan	ALPG	rs12694901	-0.233	0.105	0.79 (0.64, 0.97)	0.027	0.772	0.874	20	11.1%
FinnGen Somascan	PIANP	rs11064321	0.258	0.120	1.29 (1.02, 1.64)	0.031	0.772	NA	NA	11.5%
FinnGen Somascan	PIANP	rs11064321	0.289	0.136	1.33 (1.02, 1.74)	0.034	0.772	NA	NA	11.5%
FinnGen Somascan	VEGFC	rs112782083	0.192	0.097	1.21 (1.00, 1.46)	0.047	0.772	0.854	20	11.7%
FinnGen Somascan	NTAQ1	rs62520983	-0.187	0.085	0.83 (0.70, 0.98)	0.029	0.772	0.696	20	12.5%
FinnGen Somascan	GGH	rs12682112	0.129	0.063	1.14 (1.01, 1.29)	0.040	0.772	0.804	20	12.5%
FinnGen Somascan	TMEM106B	rs7805419	-0.183	0.081	0.83 (0.71, 0.98)	0.023	0.772	0.344	20	13.5%
FinnGen Somascan	GAS6	rs6602909	-0.195	0.089	0.82 (0.69, 0.98)	0.029	0.772	0.784	20	13.9%
FinnGen Somascan	LAMC2	rs2276543	0.090	0.039	1.09 (1.01, 1.18)	0.023	0.772	0.085	20	14.1%
FinnGen Somascan	IL18RAP	rs1035126	-0.182	0.088	0.83 (0.70, 0.99)	0.038	0.772	0.891	20	15.1%
FinnGen Somascan	A2ML1	rs35687600	0.155	0.064	1.17 (1.03, 1.32)	0.016	0.772	NA	NA	15.2%
FinnGen Somascan	LRIG1	rs2306272	0.087	0.037	1.09 (1.01, 1.17)	0.020	0.772	0.182	20	15.5%
FinnGen Somascan	MIA	rs2604877	0.092	0.041	1.10 (1.01, 1.19)	0.027	0.772	0.493	20	16.2%
FinnGen Somascan	SECTM1	rs11077986	0.187	0.083	1.21 (1.02, 1.42)	0.024	0.772	0.379	20	16.3%
FinnGen Somascan	IL18R1	rs1035127	0.088	0.037	1.09 (1.01, 1.17)	0.019	0.772	0.956	20	17.5%
FinnGen Somascan	IL18R1	rs1035127	0.071	0.030	1.07 (1.01, 1.14)	0.018	0.772	0.962	20	17.5%
FinnGen Somascan	BCL7A	rs1678962	0.092	0.039	1.10 (1.02, 1.18)	0.019	0.772	0.967	20	17.8%

FinnGen Somascan	NADK	rs35301881	-0.276	0.113	0.76 (0.61, 0.95)	0.015	0.772	0.938	20	18.8%
FinnGen Somascan	NPTXR	rs79259527	0.130	0.063	1.14 (1.01, 1.29)	0.040	0.772	0.422	20	19.0%
FinnGen Somascan	NPTXR	rs79259527	0.157	0.077	1.17 (1.01, 1.36)	0.041	0.772	0.656	14	19.0%
FinnGen Somascan	COL2A1	rs2079295	-0.114	0.044	0.89 (0.82, 0.97)	0.009	0.772	0.681	20	22.4%
FinnGen Somascan	OAF	rs12278345	0.123	0.046	1.13 (1.03, 1.24)	0.007	0.772	0.444	20	25.6%
FinnGen Somascan	GM2A	rs153444	0.208	0.082	1.23 (1.05, 1.45)	0.011	0.772	0.306	20	27.9%
FinnGen Somascan	NPPB	rs198389	-0.205	0.085	0.81 (0.69, 0.96)	0.015	0.772	0.312	20	35.0%
FinnGen Somascan	EGF	rs2347136	-0.233	0.084	0.79 (0.67, 0.93)	0.006	0.772	0.908	20	36.1%
FinnGen Somascan	IGLL1	rs2096522	0.299	0.148	1.35 (1.01, 1.80)	0.043	0.772	0.860	15	36.8%
FinnGen Somascan	CLUL1	rs2015412	0.196	0.071	1.22 (1.06, 1.40)	0.006	0.772	0.705	20	57.7%
FinnGen Somascan	CYB5R2	rs4237758	-0.171	0.056	0.84 (0.76, 0.94)	0.002	0.772	0.198	20	73.0%
FinnGen Somascan	SIRPG	rs1048055	-0.173	0.088	0.84 (0.71, 1.00)	0.049	0.783	0.722	20	11.1%
FinnGen Somascan	PMM2	rs71377186	-0.439	0.229	0.64 (0.41, 1.01)	0.055	0.827	NA	NA	NA
FinnGen Somascan	CD14	rs5744454	-0.165	0.087	0.85 (0.72, 1.00)	0.056	0.827	NA	NA	NA
FinnGen Somascan	CD14	rs5744454	-0.173	0.091	0.84 (0.70, 1.01)	0.057	0.827	NA	NA	NA
FinnGen Somascan	BTN3A3	rs1977	-0.107	0.057	0.90 (0.80, 1.00)	0.060	0.827	NA	NA	NA
FinnGen Somascan	S100A6	rs41265164	-0.150	0.080	0.86 (0.74, 1.01)	0.060	0.827	NA	NA	NA
FinnGen Somascan	PCOLCE2	rs6794287	-0.082	0.044	0.92 (0.85, 1.00)	0.063	0.827	NA	NA	NA
FinnGen Somascan	FABP2	rs7656644	-0.055	0.030	0.95 (0.89, 1.00)	0.065	0.827	NA	NA	NA
FinnGen Somascan	RIDA	rs2306129	0.168	0.091	1.18 (0.99, 1.41)	0.065	0.827	NA	NA	NA
FinnGen Somascan	STARD10	rs663015	-0.172	0.093	0.84 (0.70, 1.01)	0.065	0.827	NA	NA	NA
FinnGen Somascan	TPSAB1	rs34777355	-0.173	0.094	0.84 (0.70, 1.01)	0.065	0.827	NA	NA	NA
FinnGen Somascan	ST3GAL6	rs112115496	-0.066	0.036	0.94 (0.87, 1.00)	0.066	0.827	NA	NA	NA
FinnGen Somascan	PTPA	rs7849270	0.104	0.057	1.11 (0.99, 1.24)	0.069	0.827	NA	NA	NA
FinnGen Somascan	RARRES2	rs3735167	0.143	0.078	1.15 (0.99, 1.35)	0.069	0.827	NA	NA	NA
FinnGen Somascan	HBZ	rs2461286	0.082	0.045	1.09 (0.99, 1.19)	0.070	0.827	NA	NA	NA
FinnGen Somascan	CD33	rs3865444	0.050	0.028	1.05 (1.00, 1.11)	0.071	0.827	NA	NA	NA
FinnGen Somascan	SERPINF2	rs7502910	0.146	0.081	1.16 (0.99, 1.36)	0.072	0.827	NA	NA	NA
FinnGen Somascan	HSP90B1	rs1177457	0.043	0.024	1.04 (1.00, 1.09)	0.073	0.827	NA	NA	NA
FinnGen Somascan	HSDL2	rs10817342	-0.045	0.025	0.96 (0.91, 1.00)	0.073	0.827	NA	NA	NA
FinnGen Somascan	CAB39L	rs35214871	0.123	0.068	1.13 (0.99, 1.29)	0.073	0.827	NA	NA	NA
FinnGen Somascan	FREM1	rs10810271	-0.099	0.055	0.91 (0.81, 1.01)	0.074	0.827	NA	NA	NA
FinnGen Somascan	ECM1	rs3737240	-0.057	0.032	0.94 (0.89, 1.01)	0.075	0.827	NA	NA	NA

FinnGen Somascan	CDH11	rs3785315	-0.063	0.036	0.94 (0.87, 1.01)	0.078	0.833	NA	NA	NA
FinnGen Somascan	BTN3A2	rs9379851	-0.051	0.029	0.95 (0.90, 1.01)	0.081	0.833	NA	NA	NA
FinnGen Somascan	THG1L	rs7700500	-0.084	0.048	0.92 (0.84, 1.01)	0.082	0.833	NA	NA	NA
FinnGen Somascan	COLEC11	rs6542680	0.077	0.044	1.08 (0.99, 1.18)	0.083	0.833	NA	NA	NA
FinnGen Somascan	FN1	rs1250231	-0.087	0.050	0.92 (0.83, 1.01)	0.085	0.833	NA	NA	NA
FinnGen Somascan	FN1	rs1250231	-0.088	0.051	0.92 (0.83, 1.01)	0.085	0.833	NA	NA	NA
FinnGen Somascan	SIGLEC7	rs140185670	0.158	0.091	1.17 (0.98, 1.40)	0.085	0.833	NA	NA	NA
FinnGen Somascan	MAPK3	rs7201780	0.164	0.095	1.18 (0.98, 1.42)	0.085	0.833	NA	NA	NA
FinnGen Somascan	CNTN1	rs11177604	0.154	0.090	1.17 (0.98, 1.39)	0.088	0.839	NA	NA	NA
FinnGen Somascan	SVEP1	rs61751937	0.138	0.081	1.15 (0.98, 1.35)	0.090	0.839	NA	NA	NA
FinnGen Somascan	FN1	rs1250229	-0.087	0.051	0.92 (0.83, 1.01)	0.091	0.839	NA	NA	NA
FinnGen Somascan	FN1	rs1250229	-0.088	0.052	0.92 (0.83, 1.01)	0.091	0.839	NA	NA	NA
FinnGen Somascan	PSG4	rs10419039	-0.064	0.038	0.94 (0.87, 1.01)	0.092	0.839	NA	NA	NA
FinnGen Somascan	CHIT1	rs2486950	-0.049	0.029	0.95 (0.90, 1.01)	0.093	0.839	NA	NA	NA
FinnGen Somascan	CHIT1	rs2486950	-0.053	0.032	0.95 (0.89, 1.01)	0.094	0.839	NA	NA	NA
FinnGen Somascan	CTSH	rs62013200	0.068	0.041	1.07 (0.99, 1.16)	0.096	0.839	NA	NA	NA
FinnGen Somascan	CHST11	rs1704878	-0.115	0.069	0.89 (0.78, 1.02)	0.097	0.839	NA	NA	NA
FinnGen Somascan	GXYLT1	rs139695917	-0.154	0.093	0.86 (0.71, 1.03)	0.098	0.839	NA	NA	NA
FinnGen Somascan	ERAP2	rs2548224	-0.039	0.024	0.96 (0.92, 1.01)	0.099	0.839	NA	NA	NA
FinnGen Somascan	ATP1B2	rs1641523	0.104	0.064	1.11 (0.98, 1.26)	0.101	0.839	NA	NA	NA
FinnGen Somascan	ENO3	rs4790714	0.125	0.076	1.13 (0.98, 1.32)	0.102	0.839	NA	NA	NA
FinnGen Somascan	KLK14	rs7253169	-0.155	0.095	0.86 (0.71, 1.03)	0.103	0.839	NA	NA	NA
FinnGen Somascan	LRRN1	rs9839475	-0.157	0.096	0.86 (0.71, 1.03)	0.103	0.839	NA	NA	NA
FinnGen Somascan	CD300LG	rs77697917	-0.170	0.104	0.84 (0.69, 1.03)	0.103	0.839	NA	NA	NA
FinnGen Somascan	BDH2	rs6533059	-0.147	0.091	0.86 (0.72, 1.03)	0.105	0.842	NA	NA	NA
FinnGen Somascan	FCRL1	rs2873413	0.114	0.071	1.12 (0.98, 1.29)	0.107	0.843	NA	NA	NA
FinnGen Somascan	ADGRD1	rs10734983	-0.108	0.067	0.90 (0.79, 1.02)	0.109	0.843	NA	NA	NA
FinnGen Somascan	B4GALT2	rs2286241	0.121	0.076	1.13 (0.97, 1.31)	0.109	0.843	NA	NA	NA
FinnGen Somascan	QDPR	rs34914923	-0.107	0.067	0.90 (0.79, 1.02)	0.111	0.843	NA	NA	NA
FinnGen Somascan	ITIH2	rs111354914	0.069	0.043	1.07 (0.98, 1.17)	0.112	0.843	NA	NA	NA
FinnGen Somascan	GFRAL	rs72988065	-0.163	0.103	0.85 (0.69, 1.04)	0.112	0.843	NA	NA	NA
FinnGen Somascan	RTP4	rs1878861	0.116	0.073	1.12 (0.97, 1.30)	0.114	0.843	NA	NA	NA
FinnGen Somascan	PIGR	rs1518108	0.132	0.084	1.14 (0.97, 1.34)	0.115	0.843	NA	NA	NA

FinnGen Somascan	ACP5	rs2071485	-0.141	0.089	0.87 (0.73, 1.03)	0.115	0.843	NA	NA	NA
FinnGen Somascan	TLR10	rs75044248	0.129	0.082	1.14 (0.97, 1.34)	0.116	0.843	NA	NA	NA
FinnGen Somascan	BTD	rs13100619	0.068	0.044	1.07 (0.98, 1.17)	0.118	0.849	NA	NA	NA
FinnGen Somascan	SCN3B	rs1275085	0.084	0.054	1.09 (0.98, 1.21)	0.122	0.858	NA	NA	NA
FinnGen Somascan	ADH7	rs77324539	-0.101	0.065	0.90 (0.80, 1.03)	0.122	0.858	NA	NA	NA
FinnGen Somascan	ENGASE	rs56107536	0.094	0.061	1.10 (0.97, 1.24)	0.124	0.861	NA	NA	NA
FinnGen Somascan	ITPA	rs6051640	0.049	0.032	1.05 (0.99, 1.12)	0.125	0.861	NA	NA	NA
FinnGen Somascan	S100A7	rs3014837	0.053	0.035	1.05 (0.98, 1.13)	0.128	0.874	NA	NA	NA
FinnGen Somascan	LRPAP1	rs11549516	-0.109	0.072	0.90 (0.78, 1.03)	0.129	0.874	NA	NA	NA
FinnGen Somascan	CD55	rs28738993	-0.103	0.070	0.90 (0.79, 1.03)	0.138	0.889	NA	NA	NA
FinnGen Somascan	FGL1	rs10094922	0.068	0.046	1.07 (0.98, 1.17)	0.139	0.889	NA	NA	NA
FinnGen Somascan	GSTM3	rs11101992	0.092	0.063	1.10 (0.97, 1.24)	0.140	0.889	NA	NA	NA
FinnGen Somascan	NCF1	rs2599337	0.117	0.079	1.12 (0.96, 1.31)	0.141	0.889	NA	NA	NA
FinnGen Somascan	RNASE2	rs2233859	0.120	0.082	1.13 (0.96, 1.32)	0.141	0.889	NA	NA	NA
FinnGen Somascan	NTM	rs2511504	0.127	0.086	1.14 (0.96, 1.34)	0.141	0.889	NA	NA	NA
FinnGen Somascan	NTM	rs2511504	0.127	0.086	1.14 (0.96, 1.34)	0.141	0.889	NA	NA	NA
FinnGen Somascan	FABP1	rs1545223	0.138	0.094	1.15 (0.95, 1.38)	0.141	0.889	NA	NA	NA
FinnGen Somascan	CSF2RB	rs1534881	-0.045	0.031	0.96 (0.90, 1.02)	0.145	0.889	NA	NA	NA
FinnGen Somascan	RPIA	rs3925123	0.130	0.089	1.14 (0.96, 1.36)	0.145	0.889	NA	NA	NA
FinnGen Somascan	QSOX1	rs12371	-0.085	0.058	0.92 (0.82, 1.03)	0.146	0.889	NA	NA	NA
FinnGen Somascan	PCSK7	rs488962	0.039	0.027	1.04 (0.99, 1.10)	0.149	0.889	NA	NA	NA
FinnGen Somascan	OLFM2	rs34336349	-0.054	0.038	0.95 (0.88, 1.02)	0.153	0.889	NA	NA	NA
FinnGen Somascan	OLFM2	rs34336349	-0.054	0.038	0.95 (0.88, 1.02)	0.153	0.889	NA	NA	NA
FinnGen Somascan	SEMA6D	rs1454843	-0.079	0.055	0.92 (0.83, 1.03)	0.153	0.889	NA	NA	NA
FinnGen Somascan	QPCTL	rs2110574	0.097	0.068	1.10 (0.96, 1.26)	0.153	0.889	NA	NA	NA
FinnGen Somascan	CRNN	rs10494275	-0.105	0.074	0.90 (0.78, 1.04)	0.158	0.889	NA	NA	NA
FinnGen Somascan	GLDN	rs2445772	0.053	0.038	1.05 (0.98, 1.14)	0.159	0.889	NA	NA	NA
FinnGen Somascan	SEMA3E	rs10273103	-0.103	0.073	0.90 (0.78, 1.04)	0.159	0.889	NA	NA	NA
FinnGen Somascan	ERO1B	rs2950396	0.117	0.083	1.12 (0.96, 1.32)	0.159	0.889	NA	NA	NA
FinnGen Somascan	FCRL4	rs11582663	-0.049	0.035	0.95 (0.89, 1.02)	0.160	0.889	NA	NA	NA
FinnGen Somascan	IL1R2	rs7561460	-0.083	0.059	0.92 (0.82, 1.03)	0.162	0.889	NA	NA	NA
FinnGen Somascan	CAT	rs2745905	-0.105	0.075	0.90 (0.78, 1.04)	0.162	0.889	NA	NA	NA
FinnGen Somascan	NFASC	rs6656887	-0.073	0.052	0.93 (0.84, 1.03)	0.163	0.889	NA	NA	NA

FinnGen Somascan	PARK7	rs35731977	-0.114	0.082	0.89 (0.76, 1.05)	0.164	0.889	NA	NA	NA
FinnGen Somascan	ALAD	rs1800435	-0.103	0.074	0.90 (0.78, 1.04)	0.165	0.889	NA	NA	NA
FinnGen Somascan	GPNMB	rs2268748	0.148	0.106	1.16 (0.94, 1.43)	0.165	0.889	NA	NA	NA
FinnGen Somascan	SRGN	rs67852477	-0.119	0.086	0.89 (0.75, 1.05)	0.166	0.889	NA	NA	NA
FinnGen Somascan	CA6	rs3765963	0.055	0.040	1.06 (0.98, 1.14)	0.168	0.889	NA	NA	NA
FinnGen Somascan	CA6	rs3765963	0.057	0.041	1.06 (0.98, 1.15)	0.168	0.889	NA	NA	NA
FinnGen Somascan	CALCB	rs12294281	0.080	0.058	1.08 (0.97, 1.21)	0.170	0.889	NA	NA	NA
FinnGen Somascan	REG3G	rs1522857	0.067	0.049	1.07 (0.97, 1.18)	0.173	0.889	NA	NA	NA
FinnGen Somascan	IDUA	rs34869253	-0.070	0.052	0.93 (0.84, 1.03)	0.175	0.889	NA	NA	NA
FinnGen Somascan	DDR1	rs2240803	0.132	0.098	1.14 (0.94, 1.38)	0.176	0.889	NA	NA	NA
FinnGen Somascan	MMP8	rs35231465	-0.124	0.092	0.88 (0.74, 1.06)	0.179	0.889	NA	NA	NA
FinnGen Somascan	CPPED1	rs7201202	0.035	0.026	1.04 (0.98, 1.09)	0.181	0.889	NA	NA	NA
FinnGen Somascan	REG3G	rs1522857	0.129	0.097	1.14 (0.94, 1.38)	0.182	0.889	NA	NA	NA
FinnGen Somascan	PZP	rs1035848	0.081	0.061	1.08 (0.96, 1.22)	0.183	0.889	NA	NA	NA
FinnGen Somascan	GRAMD1C	rs4682509	0.120	0.090	1.13 (0.94, 1.35)	0.184	0.889	NA	NA	NA
FinnGen Somascan	SFRP5	rs78044282	-0.136	0.102	0.87 (0.71, 1.07)	0.184	0.889	NA	NA	NA
FinnGen Somascan	MBL2	rs7899547	0.038	0.029	1.04 (0.98, 1.10)	0.185	0.889	NA	NA	NA
FinnGen Somascan	RNPEP	rs4950811	0.074	0.056	1.08 (0.96, 1.20)	0.186	0.889	NA	NA	NA
FinnGen Somascan	PSAPL1	rs4484302	0.073	0.055	1.08 (0.97, 1.20)	0.187	0.889	NA	NA	NA
FinnGen Somascan	TCL1A	rs1748951	-0.104	0.079	0.90 (0.77, 1.05)	0.187	0.889	NA	NA	NA
FinnGen Somascan	ENTPD6	rs6050446	0.088	0.067	1.09 (0.96, 1.25)	0.189	0.889	NA	NA	NA
FinnGen Somascan	CHN1	rs1150186	-0.111	0.084	0.90 (0.76, 1.06)	0.189	0.889	NA	NA	NA
FinnGen Somascan	HDGF	rs12121617	-0.125	0.095	0.88 (0.73, 1.06)	0.189	0.889	NA	NA	NA
FinnGen Somascan	SPON1	rs1969539	0.086	0.065	1.09 (0.96, 1.24)	0.190	0.889	NA	NA	NA
FinnGen Somascan	MPI	rs8037798	-0.125	0.095	0.88 (0.73, 1.06)	0.190	0.889	NA	NA	NA
FinnGen Somascan	MX1	rs457274	-0.107	0.082	0.90 (0.77, 1.05)	0.191	0.889	NA	NA	NA
FinnGen Somascan	CD8A	rs2674808	0.093	0.071	1.10 (0.95, 1.26)	0.192	0.889	NA	NA	NA
FinnGen Somascan	HAVCR2	rs1036199	0.059	0.045	1.06 (0.97, 1.16)	0.194	0.889	NA	NA	NA
FinnGen Somascan	FCN1	rs10858304	0.080	0.062	1.08 (0.96, 1.22)	0.196	0.889	NA	NA	NA
FinnGen Somascan	FCN1	rs1041498	0.084	0.065	1.09 (0.96, 1.24)	0.197	0.889	NA	NA	NA
FinnGen Somascan	SWAP70	rs415895	-0.088	0.068	0.92 (0.80, 1.05)	0.198	0.889	NA	NA	NA
FinnGen Somascan	F5	rs61808983	-0.102	0.079	0.90 (0.77, 1.05)	0.198	0.889	NA	NA	NA
FinnGen Somascan	COA4	rs191334160	-0.114	0.089	0.89 (0.75, 1.06)	0.200	0.889	NA	NA	NA

FinnGen Somascan	TP53I3	rs10191964	0.056	0.044	1.06 (0.97, 1.15)	0.202	0.889	NA	NA	NA
FinnGen Somascan	FCN1	rs7873100	0.069	0.054	1.07 (0.96, 1.19)	0.202	0.889	NA	NA	NA
FinnGen Somascan	OBP2B	rs3761821	-0.093	0.073	0.91 (0.79, 1.05)	0.204	0.889	NA	NA	NA
FinnGen Somascan	EPHB2	rs6687487	-0.103	0.081	0.90 (0.77, 1.06)	0.207	0.889	NA	NA	NA
FinnGen Somascan	HDGF	rs11264534	-0.118	0.093	0.89 (0.74, 1.07)	0.207	0.889	NA	NA	NA
FinnGen Somascan	GRAMD1C	rs2013692	0.065	0.052	1.07 (0.96, 1.18)	0.212	0.889	NA	NA	NA
FinnGen Somascan	RELT	rs876480	-0.083	0.067	0.92 (0.81, 1.05)	0.212	0.889	NA	NA	NA
FinnGen Somascan	ICAM1	rs5498	0.031	0.025	1.03 (0.98, 1.08)	0.213	0.889	NA	NA	NA
FinnGen Somascan	TSTD1	rs10908821	0.050	0.040	1.05 (0.97, 1.14)	0.213	0.889	NA	NA	NA
FinnGen Somascan	GPC1	rs77418648	-0.061	0.049	0.94 (0.86, 1.04)	0.213	0.889	NA	NA	NA
FinnGen Somascan	ANXA4	rs1598179	-0.097	0.078	0.91 (0.78, 1.06)	0.215	0.889	NA	NA	NA
FinnGen Somascan	NELL1	rs61652119	0.062	0.051	1.06 (0.96, 1.18)	0.217	0.889	NA	NA	NA
FinnGen Somascan	FUT3	rs708686	0.044	0.036	1.04 (0.97, 1.12)	0.228	0.889	NA	NA	NA
FinnGen Somascan	WFIKK2	rs11079936	-0.056	0.047	0.95 (0.86, 1.04)	0.228	0.889	NA	NA	NA
FinnGen Somascan	GHRL	rs4684677	0.136	0.113	1.15 (0.92, 1.43)	0.229	0.889	NA	NA	NA
FinnGen Somascan	MANEA	rs35772543	0.035	0.029	1.04 (0.98, 1.10)	0.230	0.889	NA	NA	NA
FinnGen Somascan	FN3K	rs1046875	0.043	0.036	1.04 (0.97, 1.12)	0.230	0.889	NA	NA	NA
FinnGen Somascan	MFAP2	rs4920605	-0.071	0.059	0.93 (0.83, 1.05)	0.230	0.889	NA	NA	NA
FinnGen Somascan	CHRDL2	rs77810092	-0.087	0.072	0.92 (0.80, 1.06)	0.230	0.889	NA	NA	NA
FinnGen Somascan	C3	rs11085197	-0.124	0.103	0.88 (0.72, 1.08)	0.230	0.889	NA	NA	NA
FinnGen Somascan	SEMA3E	rs61729612	0.041	0.034	1.04 (0.97, 1.11)	0.233	0.889	NA	NA	NA
FinnGen Somascan	MANSC4	rs12367102	-0.059	0.050	0.94 (0.86, 1.04)	0.234	0.889	NA	NA	NA
FinnGen Somascan	SNX15	rs76092837	-0.089	0.075	0.91 (0.79, 1.06)	0.237	0.889	NA	NA	NA
FinnGen Somascan	RARRES1	rs9864589	0.032	0.027	1.03 (0.98, 1.09)	0.238	0.889	NA	NA	NA
FinnGen Somascan	ICOSLG	rs2838537	0.075	0.063	1.08 (0.95, 1.22)	0.238	0.889	NA	NA	NA
FinnGen Somascan	AMIGO1	rs2570972	0.042	0.036	1.04 (0.97, 1.12)	0.240	0.889	NA	NA	NA
FinnGen Somascan	RNASET2	rs9295382	-0.072	0.061	0.93 (0.83, 1.05)	0.240	0.889	NA	NA	NA
FinnGen Somascan	PLEKHO2	rs77456635	-0.085	0.072	0.92 (0.80, 1.06)	0.240	0.889	NA	NA	NA
FinnGen Somascan	ACADM	rs1303169	-0.105	0.090	0.90 (0.76, 1.07)	0.243	0.889	NA	NA	NA
FinnGen Somascan	LILRB5	rs12975366	0.031	0.027	1.03 (0.98, 1.09)	0.244	0.889	NA	NA	NA
FinnGen Somascan	VIT	rs11124542	-0.084	0.073	0.92 (0.80, 1.06)	0.246	0.889	NA	NA	NA
FinnGen Somascan	VIT	rs11124542	-0.097	0.084	0.91 (0.77, 1.07)	0.248	0.889	NA	NA	NA
FinnGen Somascan	CA8	rs13280153	-0.068	0.059	0.93 (0.83, 1.05)	0.250	0.889	NA	NA	NA

FinnGen Somascan	TCTB	rs12572492	0.097	0.085	1.10 (0.93, 1.30)	0.251	0.889	NA	NA	NA
FinnGen Somascan	BLVRA	rs1050916	-0.228	0.199	0.80 (0.54, 1.18)	0.251	0.889	NA	NA	NA
FinnGen Somascan	LILRA1	rs117371487	-0.069	0.061	0.93 (0.83, 1.05)	0.256	0.889	NA	NA	NA
FinnGen Somascan	NPW	rs12933410	0.083	0.073	1.09 (0.94, 1.25)	0.259	0.889	NA	NA	NA
FinnGen Somascan	CRLF1	rs2074177	-0.102	0.090	0.90 (0.76, 1.08)	0.259	0.889	NA	NA	NA
FinnGen Somascan	FBLN7	rs115611612	-0.102	0.091	0.90 (0.75, 1.08)	0.263	0.889	NA	NA	NA
FinnGen Somascan	APOE	rs59325138	0.058	0.052	1.06 (0.96, 1.17)	0.264	0.889	NA	NA	NA
FinnGen Somascan	APOE	rs59325138	0.060	0.054	1.06 (0.96, 1.18)	0.264	0.889	NA	NA	NA
FinnGen Somascan	APOE	rs59325138	0.061	0.055	1.06 (0.95, 1.18)	0.264	0.889	NA	NA	NA
FinnGen Somascan	AMY1A	rs6676813	-0.091	0.081	0.91 (0.78, 1.07)	0.264	0.889	NA	NA	NA
FinnGen Somascan	SEMA5A	rs17329170	0.035	0.031	1.04 (0.97, 1.10)	0.265	0.889	NA	NA	NA
FinnGen Somascan	APOE	rs59325138	0.071	0.064	1.07 (0.95, 1.22)	0.265	0.889	NA	NA	NA
FinnGen Somascan	SDCBP2	rs12481700	-0.109	0.098	0.90 (0.74, 1.09)	0.265	0.889	NA	NA	NA
FinnGen Somascan	SH3GLB2	rs62585602	-0.076	0.069	0.93 (0.81, 1.06)	0.266	0.889	NA	NA	NA
FinnGen Somascan	QPCT	rs12468307	0.196	0.176	1.22 (0.86, 1.72)	0.266	0.889	NA	NA	NA
FinnGen Somascan	NAXE	rs4661044	-0.059	0.053	0.94 (0.85, 1.05)	0.267	0.889	NA	NA	NA
FinnGen Somascan	CTRB2	rs72802342	0.048	0.043	1.05 (0.96, 1.14)	0.270	0.889	NA	NA	NA
FinnGen Somascan	GSTM1	rs620077	0.058	0.052	1.06 (0.96, 1.17)	0.272	0.889	NA	NA	NA
FinnGen Somascan	CAPG	rs62623452	-0.099	0.090	0.91 (0.76, 1.08)	0.272	0.889	NA	NA	NA
FinnGen Somascan	ACYP2	rs11125524	0.100	0.091	1.10 (0.92, 1.32)	0.272	0.889	NA	NA	NA
FinnGen Somascan	AMY2A	rs142370265	0.095	0.087	1.10 (0.93, 1.30)	0.273	0.889	NA	NA	NA
FinnGen Somascan	MICA	rs2523496	-0.040	0.036	0.96 (0.90, 1.03)	0.275	0.889	NA	NA	NA
FinnGen Somascan	GSTM4	rs620077	0.088	0.080	1.09 (0.93, 1.28)	0.275	0.889	NA	NA	NA
FinnGen Somascan	AMY2B	rs142370265	0.121	0.110	1.13 (0.91, 1.40)	0.275	0.889	NA	NA	NA
FinnGen Somascan	CRTAC1	rs684225	0.067	0.062	1.07 (0.95, 1.21)	0.277	0.889	NA	NA	NA
FinnGen Somascan	RGMA	rs1969589	0.176	0.162	1.19 (0.87, 1.64)	0.279	0.889	NA	NA	NA
FinnGen Somascan	FCN2	rs57136797	-0.044	0.041	0.96 (0.88, 1.04)	0.280	0.889	NA	NA	NA
FinnGen Somascan	FAH	rs11555096	-0.056	0.052	0.95 (0.85, 1.05)	0.283	0.889	NA	NA	NA
FinnGen Somascan	TPST1	rs62465427	0.117	0.109	1.12 (0.91, 1.39)	0.283	0.889	NA	NA	NA
FinnGen Somascan	NAGK	rs2287327	-0.064	0.060	0.94 (0.83, 1.05)	0.284	0.889	NA	NA	NA
FinnGen Somascan	FAS	rs7911226	-0.098	0.092	0.91 (0.76, 1.09)	0.286	0.889	NA	NA	NA
FinnGen Somascan	NID2	rs2516600	0.055	0.052	1.06 (0.95, 1.17)	0.288	0.889	NA	NA	NA
FinnGen Somascan	DEFA3	rs7825750	0.066	0.062	1.07 (0.95, 1.21)	0.288	0.889	NA	NA	NA

FinnGen Somascan	ST6GAL2	rs1006413	-0.040	0.038	0.96 (0.89, 1.03)	0.289	0.889	NA	NA	NA
FinnGen Somascan	MMP7	rs56857975	-0.091	0.086	0.91 (0.77, 1.08)	0.290	0.889	NA	NA	NA
FinnGen Somascan	TAPBPL	rs2041384	-0.024	0.023	0.98 (0.93, 1.02)	0.291	0.889	NA	NA	NA
FinnGen Somascan	NAAA	rs66498356	0.044	0.041	1.04 (0.96, 1.13)	0.291	0.889	NA	NA	NA
FinnGen Somascan	THSD1	rs116894922	0.052	0.049	1.05 (0.96, 1.16)	0.291	0.889	NA	NA	NA
FinnGen Somascan	C1QTNF4	rs7124681	-0.064	0.060	0.94 (0.83, 1.06)	0.291	0.889	NA	NA	NA
FinnGen Somascan	C1QTNF4	rs7124681	-0.069	0.065	0.93 (0.82, 1.06)	0.292	0.889	NA	NA	NA
FinnGen Somascan	AOC1	rs13437864	-0.032	0.030	0.97 (0.91, 1.03)	0.295	0.889	NA	NA	NA
FinnGen Somascan	AOC1	rs13437864	-0.036	0.035	0.96 (0.90, 1.03)	0.295	0.889	NA	NA	NA
FinnGen Somascan	GNMT	rs2395943	-0.053	0.050	0.95 (0.86, 1.05)	0.295	0.889	NA	NA	NA
FinnGen Somascan	CRISP2	rs555247	-0.042	0.040	0.96 (0.89, 1.04)	0.296	0.889	NA	NA	NA
FinnGen Somascan	SIRPB1	rs12480515	-0.030	0.029	0.97 (0.92, 1.03)	0.298	0.889	NA	NA	NA
FinnGen Somascan	MASP1	rs67143992	-0.088	0.084	0.92 (0.78, 1.08)	0.299	0.889	NA	NA	NA
FinnGen Somascan	KIAA1549L	rs2753408	-0.044	0.042	0.96 (0.88, 1.04)	0.300	0.889	NA	NA	NA
FinnGen Somascan	NT5C3B	rs73307798	0.092	0.089	1.10 (0.92, 1.30)	0.301	0.889	NA	NA	NA
FinnGen Somascan	TTLL12	rs79118661	-0.061	0.060	0.94 (0.84, 1.06)	0.302	0.889	NA	NA	NA
FinnGen Somascan	PLXNA1	rs9832409	0.090	0.087	1.09 (0.92, 1.30)	0.302	0.889	NA	NA	NA
FinnGen Somascan	PREP	rs1051484	0.061	0.059	1.06 (0.95, 1.19)	0.303	0.889	NA	NA	NA
FinnGen Somascan	C5	rs13297393	0.068	0.066	1.07 (0.94, 1.22)	0.304	0.889	NA	NA	NA
FinnGen Somascan	SERPINB8	rs3826616	-0.091	0.088	0.91 (0.77, 1.09)	0.304	0.889	NA	NA	NA
FinnGen Somascan	CLSTN2	rs11713418	0.090	0.088	1.09 (0.92, 1.30)	0.304	0.889	NA	NA	NA
FinnGen Somascan	B3GLCT	rs7991258	-0.082	0.080	0.92 (0.79, 1.08)	0.305	0.889	NA	NA	NA
FinnGen Somascan	COLEC12	rs2155545	0.092	0.090	1.10 (0.92, 1.31)	0.308	0.889	NA	NA	NA
FinnGen Somascan	HNMT	rs11558538	0.090	0.088	1.09 (0.92, 1.30)	0.309	0.889	NA	NA	NA
FinnGen Somascan	PPT1	rs7533094	-0.087	0.086	0.92 (0.77, 1.08)	0.311	0.889	NA	NA	NA
FinnGen Somascan	FUT10	rs13250099	0.038	0.038	1.04 (0.96, 1.12)	0.313	0.889	NA	NA	NA
FinnGen Somascan	DPEP1	rs258341	0.058	0.058	1.06 (0.95, 1.19)	0.313	0.889	NA	NA	NA
FinnGen Somascan	LGALS3	rs79109213	0.065	0.065	1.07 (0.94, 1.21)	0.313	0.889	NA	NA	NA
FinnGen Somascan	IDI2	rs76852613	0.090	0.089	1.09 (0.92, 1.30)	0.313	0.889	NA	NA	NA
FinnGen Somascan	S100A12	rs3014874	-0.094	0.093	0.91 (0.76, 1.09)	0.313	0.889	NA	NA	NA
FinnGen Somascan	FAS	rs982764	-0.062	0.061	0.94 (0.83, 1.06)	0.315	0.891	NA	NA	NA
FinnGen Somascan	FAS	rs982764	-0.075	0.074	0.93 (0.80, 1.07)	0.317	0.892	NA	NA	NA
FinnGen Somascan	FCGR2A	rs1801274	-0.024	0.024	0.98 (0.93, 1.02)	0.318	0.892	NA	NA	NA

FinnGen Somascan	CLEC12A	rs607567	-0.023	0.023	0.98 (0.93, 1.02)	0.319	0.893	NA	NA	NA
FinnGen Somascan	CCL16	rs112689088	-0.032	0.032	0.97 (0.91, 1.03)	0.322	0.893	NA	NA	NA
FinnGen Somascan	CST7	rs56312312	0.039	0.039	1.04 (0.96, 1.12)	0.323	0.893	NA	NA	NA
FinnGen Somascan	PLXNB2	rs28573806	0.028	0.028	1.03 (0.97, 1.09)	0.325	0.893	NA	NA	NA
FinnGen Somascan	PSG3	rs2355433	-0.030	0.030	0.97 (0.92, 1.03)	0.325	0.893	NA	NA	NA
FinnGen Somascan	NIF3L1	rs57631609	0.049	0.050	1.05 (0.95, 1.16)	0.325	0.893	NA	NA	NA
FinnGen Somascan	CR1	rs679515	0.043	0.044	1.04 (0.96, 1.14)	0.328	0.897	NA	NA	NA
FinnGen Somascan	CTSH	rs34843303	0.036	0.037	1.04 (0.96, 1.11)	0.330	0.897	NA	NA	NA
FinnGen Somascan	MGP	rs4764131	0.055	0.056	1.06 (0.95, 1.18)	0.330	0.897	NA	NA	NA
FinnGen Somascan	CPN2	rs9857914	-0.048	0.049	0.95 (0.87, 1.05)	0.332	0.900	NA	NA	NA
FinnGen Somascan	CCL25	rs77625270	0.043	0.045	1.04 (0.96, 1.14)	0.335	0.901	NA	NA	NA
FinnGen Somascan	IDH1	rs34599179	0.156	0.162	1.17 (0.85, 1.61)	0.335	0.901	NA	NA	NA
FinnGen Somascan	HLA-C	rs2524098	-0.028	0.029	0.97 (0.92, 1.03)	0.338	0.901	NA	NA	NA
FinnGen Somascan	LILRB3	rs143199062	-0.069	0.072	0.93 (0.81, 1.07)	0.338	0.901	NA	NA	NA
FinnGen Somascan	SIGLEC11	rs4310977	0.037	0.039	1.04 (0.96, 1.12)	0.339	0.901	NA	NA	NA
FinnGen Somascan	AKR1A1	rs2229540	0.046	0.049	1.05 (0.95, 1.15)	0.341	0.904	NA	NA	NA
FinnGen Somascan	PRSS3	rs7032960	0.093	0.099	1.10 (0.90, 1.33)	0.348	0.918	NA	NA	NA
FinnGen Somascan	CNTNAP2	rs10253165	0.041	0.045	1.04 (0.95, 1.14)	0.358	0.927	NA	NA	NA
FinnGen Somascan	PLXNB2	rs28578714	-0.046	0.050	0.96 (0.87, 1.05)	0.358	0.927	NA	NA	NA
FinnGen Somascan	SPATA20	rs989128	0.035	0.038	1.04 (0.96, 1.12)	0.359	0.927	NA	NA	NA
FinnGen Somascan	CLYBL	rs7992587	0.084	0.092	1.09 (0.91, 1.30)	0.360	0.927	NA	NA	NA
FinnGen Somascan	DCC	rs9807459	-0.031	0.035	0.97 (0.91, 1.04)	0.362	0.927	NA	NA	NA
FinnGen Somascan	OGN	rs6479420	-0.041	0.045	0.96 (0.88, 1.05)	0.365	0.927	NA	NA	NA
FinnGen Somascan	CLSTN1	rs35331030	0.069	0.076	1.07 (0.92, 1.24)	0.365	0.927	NA	NA	NA
FinnGen Somascan	PLA2G2A	rs11573156	-0.035	0.039	0.97 (0.89, 1.04)	0.366	0.927	NA	NA	NA
FinnGen Somascan	TCN1	rs34528912	-0.084	0.093	0.92 (0.77, 1.10)	0.367	0.927	NA	NA	NA
FinnGen Somascan	GALNT14	rs2278078	0.028	0.031	1.03 (0.97, 1.09)	0.368	0.927	NA	NA	NA
FinnGen Somascan	CST1	rs4549181	0.038	0.042	1.04 (0.96, 1.13)	0.371	0.927	NA	NA	NA
FinnGen Somascan	PENK	rs2609983	0.045	0.050	1.05 (0.95, 1.15)	0.372	0.927	NA	NA	NA
FinnGen Somascan	CST2	rs4549181	0.049	0.055	1.05 (0.94, 1.17)	0.372	0.927	NA	NA	NA
FinnGen Somascan	NPTX2	rs4285418	-0.086	0.096	0.92 (0.76, 1.11)	0.373	0.927	NA	NA	NA
FinnGen Somascan	CPXM1	rs215545	0.078	0.088	1.08 (0.91, 1.28)	0.374	0.927	NA	NA	NA
FinnGen Somascan	FAM171B	rs13022147	-0.059	0.067	0.94 (0.83, 1.07)	0.376	0.927	NA	NA	NA

FinnGen Somascan	AOC3	rs61755606	0.044	0.049	1.04 (0.95, 1.15)	0.377	0.927	NA	NA	NA
FinnGen Somascan	CST3	rs734801	0.060	0.068	1.06 (0.93, 1.21)	0.378	0.927	NA	NA	NA
FinnGen Somascan	SMPD1	rs1050239	0.084	0.096	1.09 (0.90, 1.31)	0.380	0.927	NA	NA	NA
FinnGen Somascan	CHI3L1	rs12141494	-0.026	0.030	0.97 (0.92, 1.03)	0.384	0.927	NA	NA	NA
FinnGen Somascan	REG1B	rs11126696	-0.065	0.075	0.94 (0.81, 1.09)	0.386	0.927	NA	NA	NA
FinnGen Somascan	GP6	rs12609736	-0.035	0.041	0.97 (0.89, 1.05)	0.387	0.927	NA	NA	NA
FinnGen Somascan	BST1	rs6842052	0.023	0.027	1.02 (0.97, 1.08)	0.388	0.927	NA	NA	NA
FinnGen Somascan	SLAMF6	rs12119876	-0.080	0.092	0.92 (0.77, 1.11)	0.388	0.927	NA	NA	NA
FinnGen Somascan	APOA5	rs73588424	0.040	0.046	1.04 (0.95, 1.14)	0.389	0.927	NA	NA	NA
FinnGen Somascan	MGMT	rs1008982	0.049	0.058	1.05 (0.94, 1.18)	0.392	0.927	NA	NA	NA
FinnGen Somascan	ITIH5	rs6602258	-0.063	0.074	0.94 (0.81, 1.08)	0.392	0.927	NA	NA	NA
FinnGen Somascan	AHSG	rs4917	0.022	0.026	1.02 (0.97, 1.08)	0.394	0.927	NA	NA	NA
FinnGen Somascan	CD109	rs4263551	-0.031	0.036	0.97 (0.90, 1.04)	0.394	0.927	NA	NA	NA
FinnGen Somascan	FCN2	rs3811140	0.033	0.039	1.03 (0.96, 1.12)	0.394	0.927	NA	NA	NA
FinnGen Somascan	SPINK4	rs7044562	-0.053	0.063	0.95 (0.84, 1.07)	0.395	0.927	NA	NA	NA
FinnGen Somascan	SELENOF	rs2783975	-0.061	0.072	0.94 (0.82, 1.08)	0.397	0.927	NA	NA	NA
FinnGen Somascan	AGFG2	rs78279132	-0.049	0.058	0.95 (0.85, 1.07)	0.400	0.927	NA	NA	NA
FinnGen Somascan	CCL25	rs34918448	-0.085	0.101	0.92 (0.75, 1.12)	0.400	0.927	NA	NA	NA
FinnGen Somascan	CCL7	rs34202026	0.079	0.095	1.08 (0.90, 1.30)	0.402	0.927	NA	NA	NA
FinnGen Somascan	SPON1	rs2697846	0.067	0.080	1.07 (0.91, 1.25)	0.403	0.927	NA	NA	NA
FinnGen Somascan	CCL8	rs34202026	0.119	0.143	1.13 (0.85, 1.49)	0.404	0.927	NA	NA	NA
FinnGen Somascan	MICB	rs3131617	-0.056	0.068	0.95 (0.83, 1.08)	0.405	0.927	NA	NA	NA
FinnGen Somascan	ADAMTS13	rs28647808	-0.039	0.047	0.96 (0.88, 1.05)	0.407	0.927	NA	NA	NA
FinnGen Somascan	WFDC1	rs400345	-0.044	0.053	0.96 (0.86, 1.06)	0.407	0.927	NA	NA	NA
FinnGen Somascan	RELN	rs17373682	0.081	0.098	1.08 (0.89, 1.31)	0.410	0.927	NA	NA	NA
FinnGen Somascan	F13B	rs4244139	0.040	0.049	1.04 (0.95, 1.14)	0.411	0.927	NA	NA	NA
FinnGen Somascan	GGT5	rs140980900	-0.076	0.092	0.93 (0.77, 1.11)	0.411	0.927	NA	NA	NA
FinnGen Somascan	NT5C	rs78625720	0.065	0.079	1.07 (0.91, 1.24)	0.412	0.927	NA	NA	NA
FinnGen Somascan	GALNT4	rs10777164	-0.026	0.032	0.97 (0.92, 1.04)	0.413	0.927	NA	NA	NA
FinnGen Somascan	EPHA1	rs4421280	-0.031	0.038	0.97 (0.90, 1.04)	0.413	0.927	NA	NA	NA
FinnGen Somascan	ALPP	rs11886043	0.061	0.074	1.06 (0.92, 1.23)	0.413	0.927	NA	NA	NA
FinnGen Somascan	GKN2	rs17504565	0.043	0.053	1.04 (0.94, 1.16)	0.414	0.927	NA	NA	NA
FinnGen Somascan	GREM1	rs2293582	0.027	0.034	1.03 (0.96, 1.10)	0.416	0.927	NA	NA	NA

FinnGen Somascan	SELP	rs6136	0.063	0.077	1.06 (0.92, 1.24)	0.416	0.927	NA	NA	NA
FinnGen Somascan	GZMB	rs2273844	0.032	0.039	1.03 (0.96, 1.11)	0.417	0.927	NA	NA	NA
FinnGen Somascan	NCR3	rs116749187	0.049	0.061	1.05 (0.93, 1.18)	0.417	0.927	NA	NA	NA
FinnGen Somascan	SERPINA10	rs2232700	0.029	0.036	1.03 (0.96, 1.10)	0.418	0.927	NA	NA	NA
FinnGen Somascan	GSTO1	rs4925	0.027	0.033	1.03 (0.96, 1.10)	0.419	0.927	NA	NA	NA
FinnGen Somascan	APOH	rs1801689	-0.040	0.050	0.96 (0.87, 1.06)	0.419	0.927	NA	NA	NA
FinnGen Somascan	APOL2	rs9622344	-0.039	0.049	0.96 (0.87, 1.06)	0.422	0.930	NA	NA	NA
FinnGen Somascan	PGP	rs116977380	0.101	0.127	1.11 (0.86, 1.42)	0.427	0.939	NA	NA	NA
FinnGen Somascan	SPARCL1	rs6846462	-0.032	0.040	0.97 (0.90, 1.05)	0.429	0.939	NA	NA	NA
FinnGen Somascan	SPARCL1	rs6846462	-0.038	0.048	0.96 (0.88, 1.06)	0.430	0.939	NA	NA	NA
FinnGen Somascan	TDGF1	rs3806701	-0.021	0.027	0.98 (0.93, 1.03)	0.435	0.939	NA	NA	NA
FinnGen Somascan	CLEC4C	rs12310416	0.022	0.028	1.02 (0.97, 1.08)	0.436	0.939	NA	NA	NA
FinnGen Somascan	GNLY	rs12151752	0.030	0.038	1.03 (0.96, 1.11)	0.436	0.939	NA	NA	NA
FinnGen Somascan	GNLY	rs12151752	0.036	0.047	1.04 (0.95, 1.14)	0.436	0.939	NA	NA	NA
FinnGen Somascan	BTNL8	rs190348	0.060	0.077	1.06 (0.91, 1.23)	0.437	0.939	NA	NA	NA
FinnGen Somascan	PSG5	rs12462178	0.068	0.087	1.07 (0.90, 1.27)	0.437	0.939	NA	NA	NA
FinnGen Somascan	GSS	rs2378335	0.081	0.105	1.08 (0.88, 1.33)	0.439	0.940	NA	NA	NA
FinnGen Somascan	EPS8L3	rs3818562	-0.070	0.091	0.93 (0.78, 1.12)	0.445	0.950	NA	NA	NA
FinnGen Somascan	GZMB	rs2236337	-0.033	0.043	0.97 (0.89, 1.05)	0.447	0.952	NA	NA	NA
FinnGen Somascan	TTC9	rs12589444	0.070	0.092	1.07 (0.89, 1.29)	0.450	0.956	NA	NA	NA
FinnGen Somascan	HDHD2	rs78720782	0.049	0.065	1.05 (0.92, 1.19)	0.456	0.958	NA	NA	NA
FinnGen Somascan	SERPINF1	rs58697961	0.038	0.051	1.04 (0.94, 1.15)	0.458	0.958	NA	NA	NA
FinnGen Somascan	SERPINF1	rs58697961	0.039	0.052	1.04 (0.94, 1.15)	0.458	0.958	NA	NA	NA
FinnGen Somascan	AMY2B	rs72692398	0.048	0.065	1.05 (0.92, 1.19)	0.458	0.958	NA	NA	NA
FinnGen Somascan	CTSE	rs61742539	0.064	0.086	1.07 (0.90, 1.26)	0.459	0.958	NA	NA	NA
FinnGen Somascan	CTRB1	rs8045196	-0.038	0.052	0.96 (0.87, 1.06)	0.460	0.958	NA	NA	NA
FinnGen Somascan	PDGFRL	rs2517164	-0.061	0.083	0.94 (0.80, 1.11)	0.463	0.958	NA	NA	NA
FinnGen Somascan	ANGPTL1	rs4650998	-0.036	0.049	0.96 (0.88, 1.06)	0.465	0.958	NA	NA	NA
FinnGen Somascan	CCN4	rs13256826	-0.044	0.060	0.96 (0.85, 1.08)	0.468	0.958	NA	NA	NA
FinnGen Somascan	GLT8D2	rs117801489	0.092	0.128	1.10 (0.85, 1.41)	0.470	0.958	NA	NA	NA
FinnGen Somascan	DPT	rs1018454	0.045	0.064	1.05 (0.92, 1.19)	0.477	0.958	NA	NA	NA
FinnGen Somascan	CBLN2	rs9319827	-0.047	0.066	0.95 (0.84, 1.09)	0.478	0.958	NA	NA	NA
FinnGen Somascan	IL6R	rs4129267	-0.016	0.022	0.98 (0.94, 1.03)	0.480	0.958	NA	NA	NA

FinnGen Somascan	IL6R	rs4129267	-0.016	0.022	0.98 (0.94, 1.03)	0.480	0.958	NA	NA	NA
FinnGen Somascan	IL6R	rs4129267	-0.016	0.022	0.98 (0.94, 1.03)	0.480	0.958	NA	NA	NA
FinnGen Somascan	CD300A	rs2272111	-0.034	0.048	0.97 (0.88, 1.06)	0.480	0.958	NA	NA	NA
FinnGen Somascan	THY1	rs55933700	0.079	0.112	1.08 (0.87, 1.35)	0.481	0.958	NA	NA	NA
FinnGen Somascan	PADI4	rs13375202	-0.042	0.060	0.96 (0.85, 1.08)	0.483	0.958	NA	NA	NA
FinnGen Somascan	IL5RA	rs6800335	0.044	0.062	1.04 (0.92, 1.18)	0.483	0.958	NA	NA	NA
FinnGen Somascan	COL10A1	rs9488839	0.041	0.059	1.04 (0.93, 1.17)	0.484	0.958	NA	NA	NA
FinnGen Somascan	IL1RL2	rs2241132	0.054	0.078	1.06 (0.91, 1.23)	0.486	0.958	NA	NA	NA
FinnGen Somascan	MAX	rs998247	0.061	0.088	1.06 (0.90, 1.26)	0.486	0.958	NA	NA	NA
FinnGen Somascan	IFNAR1	rs2211687	-0.025	0.037	0.97 (0.91, 1.05)	0.488	0.958	NA	NA	NA
FinnGen Somascan	C7	rs74480769	-0.044	0.064	0.96 (0.84, 1.09)	0.490	0.958	NA	NA	NA
FinnGen Somascan	GIPC2	rs7537908	0.044	0.064	1.05 (0.92, 1.19)	0.490	0.958	NA	NA	NA
FinnGen Somascan	C7	rs74480769	-0.054	0.078	0.95 (0.81, 1.10)	0.490	0.958	NA	NA	NA
FinnGen Somascan	SAA4	rs11024578	-0.027	0.039	0.97 (0.90, 1.05)	0.493	0.958	NA	NA	NA
FinnGen Somascan	CNTN6	rs6769116	0.032	0.047	1.03 (0.94, 1.13)	0.495	0.958	NA	NA	NA
FinnGen Somascan	DKK3	rs11022114	-0.063	0.093	0.94 (0.78, 1.13)	0.496	0.958	NA	NA	NA
FinnGen Somascan	ART3	rs4859610	0.050	0.074	1.05 (0.91, 1.21)	0.497	0.958	NA	NA	NA
FinnGen Somascan	ART3	rs4859610	0.053	0.079	1.05 (0.90, 1.23)	0.497	0.958	NA	NA	NA
FinnGen Somascan	DKK3	rs11022114	-0.069	0.102	0.93 (0.76, 1.14)	0.497	0.958	NA	NA	NA
FinnGen Somascan	PCSK9	rs11591147	0.091	0.135	1.10 (0.84, 1.43)	0.497	0.958	NA	NA	NA
FinnGen Somascan	PCSK9	rs11591147	0.096	0.141	1.10 (0.83, 1.45)	0.497	0.958	NA	NA	NA
FinnGen Somascan	NCAM2	rs2826851	0.037	0.055	1.04 (0.93, 1.15)	0.498	0.958	NA	NA	NA
FinnGen Somascan	SH3PXD2B	rs2731695	-0.050	0.074	0.95 (0.82, 1.10)	0.498	0.958	NA	NA	NA
FinnGen Somascan	PI3	rs2267864	0.063	0.093	1.07 (0.89, 1.28)	0.499	0.958	NA	NA	NA
FinnGen Somascan	UGDH	rs12503701	-0.047	0.070	0.95 (0.83, 1.10)	0.503	0.963	NA	NA	NA
FinnGen Somascan	SIGLEC9	rs2075803	0.015	0.022	1.01 (0.97, 1.06)	0.508	0.964	NA	NA	NA
FinnGen Somascan	GSN	rs10985186	0.109	0.164	1.11 (0.81, 1.54)	0.508	0.964	NA	NA	NA
FinnGen Somascan	GNPTG	rs4984830	-0.028	0.043	0.97 (0.89, 1.06)	0.510	0.964	NA	NA	NA
FinnGen Somascan	FTCD	rs61735836	0.122	0.185	1.13 (0.79, 1.62)	0.510	0.964	NA	NA	NA
FinnGen Somascan	CA10	rs117399000	0.096	0.147	1.10 (0.83, 1.47)	0.514	0.964	NA	NA	NA
FinnGen Somascan	FLRT2	rs7150486	-0.056	0.086	0.95 (0.80, 1.12)	0.518	0.964	NA	NA	NA
FinnGen Somascan	LILRA4	rs7256494	-0.044	0.068	0.96 (0.84, 1.09)	0.520	0.964	NA	NA	NA
FinnGen Somascan	C1RL	rs9989026	-0.040	0.062	0.96 (0.85, 1.09)	0.521	0.964	NA	NA	NA

FinnGen Somascan	LPO	rs62083740	-0.062	0.096	0.94 (0.78, 1.14)	0.521	0.964	NA	NA	NA
FinnGen Somascan	SH3BGRL3	rs7537477	-0.049	0.076	0.95 (0.82, 1.11)	0.523	0.964	NA	NA	NA
FinnGen Somascan	CST5	rs6036562	-0.034	0.054	0.97 (0.87, 1.07)	0.525	0.964	NA	NA	NA
FinnGen Somascan	SEMA4D	rs45464494	-0.026	0.041	0.97 (0.90, 1.06)	0.526	0.964	NA	NA	NA
FinnGen Somascan	COL6A1	rs2150458	-0.036	0.058	0.96 (0.86, 1.08)	0.526	0.964	NA	NA	NA
FinnGen Somascan	EFNA1	rs7368345	0.057	0.090	1.06 (0.89, 1.26)	0.526	0.964	NA	NA	NA
FinnGen Somascan	SCPEP1	rs61418969	0.029	0.046	1.03 (0.94, 1.13)	0.531	0.964	NA	NA	NA
FinnGen Somascan	KNG1	rs5030062	0.054	0.086	1.06 (0.89, 1.25)	0.532	0.964	NA	NA	NA
FinnGen Somascan	RNASE6	rs1045922	0.017	0.027	1.02 (0.97, 1.07)	0.534	0.964	NA	NA	NA
FinnGen Somascan	SERPING1	rs11603020	0.016	0.026	1.02 (0.97, 1.07)	0.536	0.964	NA	NA	NA
FinnGen Somascan	SERPING1	rs11603020	-0.022	0.036	0.98 (0.91, 1.05)	0.536	0.964	NA	NA	NA
FinnGen Somascan	MARCO	rs35288880	-0.052	0.084	0.95 (0.80, 1.12)	0.537	0.964	NA	NA	NA
FinnGen Somascan	C1QL1	rs3024293	0.055	0.089	1.06 (0.89, 1.26)	0.537	0.964	NA	NA	NA
FinnGen Somascan	WFIKK2	rs7225465	-0.028	0.045	0.97 (0.89, 1.06)	0.538	0.964	NA	NA	NA
FinnGen Somascan	C1S	rs12146727	-0.021	0.034	0.98 (0.92, 1.05)	0.539	0.964	NA	NA	NA
FinnGen Somascan	C1S	rs12146727	-0.022	0.036	0.98 (0.91, 1.05)	0.539	0.964	NA	NA	NA
FinnGen Somascan	C1R	rs12146727	-0.040	0.066	0.96 (0.84, 1.09)	0.540	0.964	NA	NA	NA
FinnGen Somascan	ATXN3	rs58339937	0.043	0.070	1.04 (0.91, 1.20)	0.540	0.964	NA	NA	NA
FinnGen Somascan	FUT5	rs17271883	0.031	0.050	1.03 (0.93, 1.14)	0.542	0.964	NA	NA	NA
FinnGen Somascan	ITIH3	rs3617	-0.027	0.044	0.97 (0.89, 1.06)	0.545	0.964	NA	NA	NA
FinnGen Somascan	SVEP1	rs12344549	0.040	0.066	1.04 (0.91, 1.18)	0.545	0.964	NA	NA	NA
FinnGen Somascan	LILRB1	rs10425501	-0.022	0.037	0.98 (0.91, 1.05)	0.546	0.964	NA	NA	NA
FinnGen Somascan	CFHR1	rs71631867	-0.023	0.038	0.98 (0.91, 1.05)	0.546	0.964	NA	NA	NA
FinnGen Somascan	CNTN4	rs2729284	0.047	0.079	1.05 (0.90, 1.22)	0.547	0.964	NA	NA	NA
FinnGen Somascan	KLK7	rs1654523	0.053	0.088	1.05 (0.89, 1.25)	0.549	0.964	NA	NA	NA
FinnGen Somascan	MMP10	rs11225415	-0.034	0.057	0.97 (0.86, 1.08)	0.553	0.964	NA	NA	NA
FinnGen Somascan	LRIG3	rs1373357	-0.042	0.070	0.96 (0.84, 1.10)	0.553	0.964	NA	NA	NA
FinnGen Somascan	MDP1	rs145254894	-0.045	0.075	0.96 (0.83, 1.11)	0.553	0.964	NA	NA	NA
FinnGen Somascan	PROCR	rs867186	-0.020	0.034	0.98 (0.92, 1.05)	0.554	0.964	NA	NA	NA
FinnGen Somascan	A1BG	rs4801579	-0.029	0.048	0.97 (0.88, 1.07)	0.554	0.964	NA	NA	NA
FinnGen Somascan	MMP10	rs11225415	-0.041	0.069	0.96 (0.84, 1.10)	0.554	0.964	NA	NA	NA
FinnGen Somascan	CNDP1	rs17238585	-0.062	0.106	0.94 (0.76, 1.16)	0.555	0.965	NA	NA	NA
FinnGen Somascan	GLCE	rs2017983	-0.027	0.047	0.97 (0.89, 1.07)	0.560	0.971	NA	NA	NA

FinnGen Somascan	BCAM	rs144579705	0.079	0.137	1.08 (0.83, 1.42)	0.562	0.971	NA	NA	NA
FinnGen Somascan	F7	rs3093253	0.017	0.029	1.02 (0.96, 1.08)	0.567	0.972	NA	NA	NA
FinnGen Somascan	XCL1	rs1998510	-0.048	0.084	0.95 (0.81, 1.12)	0.567	0.972	NA	NA	NA
FinnGen Somascan	MYOC	rs7547721	0.040	0.071	1.04 (0.91, 1.20)	0.570	0.972	NA	NA	NA
FinnGen Somascan	SEMA5B	rs7622250	0.026	0.047	1.03 (0.94, 1.13)	0.571	0.972	NA	NA	NA
FinnGen Somascan	SERPINA1	rs28929474	-0.037	0.066	0.96 (0.85, 1.10)	0.572	0.972	NA	NA	NA
FinnGen Somascan	COL6A2	rs3088026	-0.045	0.079	0.96 (0.82, 1.12)	0.573	0.972	NA	NA	NA
FinnGen Somascan	CD209	rs4804774	-0.049	0.087	0.95 (0.80, 1.13)	0.574	0.972	NA	NA	NA
FinnGen Somascan	CD209	rs4804774	-0.059	0.105	0.94 (0.77, 1.16)	0.574	0.972	NA	NA	NA
FinnGen Somascan	MMAB	rs61940468	-0.040	0.071	0.96 (0.84, 1.10)	0.577	0.972	NA	NA	NA
FinnGen Somascan	PLG	rs12212146	0.056	0.100	1.06 (0.87, 1.29)	0.577	0.972	NA	NA	NA
FinnGen Somascan	LRFN4	rs10896139	0.022	0.039	1.02 (0.95, 1.10)	0.578	0.972	NA	NA	NA
FinnGen Somascan	SNX11	rs10775406	0.038	0.069	1.04 (0.91, 1.19)	0.578	0.972	NA	NA	NA
FinnGen Somascan	CLEC11A	rs117942370	0.057	0.102	1.06 (0.87, 1.29)	0.579	0.972	NA	NA	NA
FinnGen Somascan	COL11A2	rs144092339	-0.077	0.140	0.93 (0.70, 1.22)	0.582	0.974	NA	NA	NA
FinnGen Somascan	SPINT2	rs71354995	-0.019	0.035	0.98 (0.92, 1.05)	0.583	0.974	NA	NA	NA
FinnGen Somascan	CMPK1	rs115741030	-0.041	0.076	0.96 (0.83, 1.11)	0.588	0.975	NA	NA	NA
FinnGen Somascan	ACP6	rs2153463	0.016	0.030	1.02 (0.96, 1.08)	0.591	0.975	NA	NA	NA
FinnGen Somascan	CDNF	rs61738953	0.045	0.083	1.05 (0.89, 1.23)	0.591	0.975	NA	NA	NA
FinnGen Somascan	BCAN	rs2365715	-0.053	0.098	0.95 (0.78, 1.15)	0.591	0.975	NA	NA	NA
FinnGen Somascan	NUDT9	rs28529046	-0.042	0.079	0.96 (0.82, 1.12)	0.596	0.975	NA	NA	NA
FinnGen Somascan	NAGPA	rs12599777	0.037	0.070	1.04 (0.91, 1.19)	0.597	0.975	NA	NA	NA
FinnGen Somascan	LRRC15	rs13077702	-0.039	0.075	0.96 (0.83, 1.11)	0.601	0.975	NA	NA	NA
FinnGen Somascan	CBLN1	rs11859080	-0.018	0.035	0.98 (0.92, 1.05)	0.604	0.975	NA	NA	NA
FinnGen Somascan	CD177	rs73554000	-0.054	0.104	0.95 (0.77, 1.16)	0.604	0.975	NA	NA	NA
FinnGen Somascan	EPS8L2	rs73407148	-0.040	0.078	0.96 (0.82, 1.12)	0.606	0.975	NA	NA	NA
FinnGen Somascan	NRP1	rs2474720	-0.035	0.068	0.97 (0.85, 1.10)	0.608	0.975	NA	NA	NA
FinnGen Somascan	NRP1	rs2474720	-0.042	0.081	0.96 (0.82, 1.13)	0.608	0.975	NA	NA	NA
FinnGen Somascan	CFHR2	rs4915318	-0.017	0.033	0.98 (0.92, 1.05)	0.610	0.975	NA	NA	NA
FinnGen Somascan	EBI3	rs4740	0.014	0.027	1.01 (0.96, 1.07)	0.612	0.975	NA	NA	NA
FinnGen Somascan	GHR	rs4866942	0.046	0.091	1.05 (0.88, 1.25)	0.614	0.975	NA	NA	NA
FinnGen Somascan	HRG	rs16860992	-0.013	0.026	0.99 (0.94, 1.04)	0.616	0.975	NA	NA	NA
FinnGen Somascan	DPP7	rs6560658	0.034	0.067	1.03 (0.91, 1.18)	0.616	0.975	NA	NA	NA

FinnGen Somascan	C4BPA	rs2808466	0.023	0.046	1.02 (0.94, 1.12)	0.618	0.975	NA	NA	NA
FinnGen Somascan	PRCP	rs4944419	-0.042	0.084	0.96 (0.81, 1.13)	0.618	0.975	NA	NA	NA
FinnGen Somascan	ACAT2	rs2842970	0.032	0.064	1.03 (0.91, 1.17)	0.621	0.975	NA	NA	NA
FinnGen Somascan	PDCD5	rs4499344	-0.033	0.068	0.97 (0.85, 1.10)	0.622	0.975	NA	NA	NA
FinnGen Somascan	KLK13	rs2569459	0.028	0.056	1.03 (0.92, 1.15)	0.625	0.975	NA	NA	NA
FinnGen Somascan	GFRA1	rs4384313	-0.032	0.065	0.97 (0.85, 1.10)	0.626	0.975	NA	NA	NA
FinnGen Somascan	PRTFDC1	rs180967356	0.059	0.120	1.06 (0.84, 1.34)	0.626	0.975	NA	NA	NA
FinnGen Somascan	CST6	rs531612	0.041	0.085	1.04 (0.88, 1.23)	0.627	0.975	NA	NA	NA
FinnGen Somascan	HCLS1	rs3915061	0.044	0.090	1.04 (0.88, 1.25)	0.628	0.975	NA	NA	NA
FinnGen Somascan	SERPINA12	rs17091005	-0.023	0.047	0.98 (0.89, 1.07)	0.629	0.975	NA	NA	NA
FinnGen Somascan	NTN1	rs61377510	-0.038	0.078	0.96 (0.83, 1.12)	0.629	0.975	NA	NA	NA
FinnGen Somascan	CFHR1	rs1971579	-0.017	0.036	0.98 (0.92, 1.05)	0.630	0.975	NA	NA	NA
FinnGen Somascan	CHST9	rs62082924	-0.049	0.102	0.95 (0.78, 1.16)	0.631	0.975	NA	NA	NA
FinnGen Somascan	GPR37	rs12154670	-0.015	0.032	0.98 (0.92, 1.05)	0.633	0.975	NA	NA	NA
FinnGen Somascan	KYNU	rs6742644	-0.026	0.057	0.97 (0.87, 1.09)	0.640	0.975	NA	NA	NA
FinnGen Somascan	CHMP4A	rs2295322	0.046	0.098	1.05 (0.86, 1.27)	0.640	0.975	NA	NA	NA
FinnGen Somascan	ERAP1	rs469758	0.013	0.028	1.01 (0.96, 1.07)	0.642	0.975	NA	NA	NA
FinnGen Somascan	CRTAM	rs4369419	-0.035	0.074	0.97 (0.84, 1.12)	0.642	0.975	NA	NA	NA
FinnGen Somascan	POGLUT1	rs6794833	0.030	0.066	1.03 (0.91, 1.17)	0.645	0.975	NA	NA	NA
FinnGen Somascan	LRP11	rs9479810	0.014	0.031	1.01 (0.95, 1.08)	0.646	0.975	NA	NA	NA
FinnGen Somascan	BPNT2	rs112433249	0.024	0.054	1.02 (0.92, 1.14)	0.650	0.975	NA	NA	NA
FinnGen Somascan	KLK8	rs74705037	0.031	0.069	1.03 (0.90, 1.18)	0.654	0.975	NA	NA	NA
FinnGen Somascan	KLK8	rs74705037	0.032	0.070	1.03 (0.90, 1.18)	0.654	0.975	NA	NA	NA
FinnGen Somascan	LIPN	rs10509554	0.013	0.028	1.01 (0.96, 1.07)	0.655	0.975	NA	NA	NA
FinnGen Somascan	PCYOX1	rs2706762	-0.016	0.037	0.98 (0.92, 1.06)	0.657	0.975	NA	NA	NA
FinnGen Somascan	CPA4	rs34587586	-0.010	0.024	0.99 (0.95, 1.04)	0.660	0.975	NA	NA	NA
FinnGen Somascan	NQO1	rs1800566	-0.021	0.048	0.98 (0.89, 1.08)	0.661	0.975	NA	NA	NA
FinnGen Somascan	CD274	rs7041009	-0.026	0.060	0.97 (0.87, 1.10)	0.662	0.975	NA	NA	NA
FinnGen Somascan	TLR3	rs3775291	0.016	0.036	1.02 (0.95, 1.09)	0.663	0.975	NA	NA	NA
FinnGen Somascan	ATF6B	rs6449	0.042	0.097	1.04 (0.86, 1.26)	0.667	0.975	NA	NA	NA
FinnGen Somascan	SIGLEC5	rs113349196	0.016	0.036	1.02 (0.95, 1.09)	0.668	0.975	NA	NA	NA
FinnGen Somascan	SIGLEC14	rs113349196	0.016	0.036	1.02 (0.95, 1.09)	0.668	0.975	NA	NA	NA
FinnGen Somascan	SIGLEC5	rs113349196	0.016	0.037	1.02 (0.95, 1.09)	0.668	0.975	NA	NA	NA

FinnGen Somascan	SIGLEC5	rs113349196	0.016	0.037	1.02 (0.94, 1.09)	0.668	0.975	NA	NA	NA
FinnGen Somascan	SIGLEC14	rs113349196	0.016	0.038	1.02 (0.94, 1.09)	0.668	0.975	NA	NA	NA
FinnGen Somascan	SIGLEC14	rs113349196	0.016	0.038	1.02 (0.94, 1.09)	0.668	0.975	NA	NA	NA
FinnGen Somascan	PRSS3	rs4878552	0.018	0.041	1.02 (0.94, 1.10)	0.668	0.975	NA	NA	NA
FinnGen Somascan	PROC	rs1158867	-0.038	0.090	0.96 (0.81, 1.15)	0.670	0.975	NA	NA	NA
FinnGen Somascan	GPC5	rs342702	-0.017	0.039	0.98 (0.91, 1.06)	0.671	0.975	NA	NA	NA
FinnGen Somascan	LEFTY2	rs360078	0.024	0.057	1.02 (0.92, 1.14)	0.671	0.975	NA	NA	NA
FinnGen Somascan	HEBP1	rs11055176	-0.024	0.058	0.98 (0.87, 1.09)	0.676	0.975	NA	NA	NA
FinnGen Somascan	LRRC4	rs141501170	-0.047	0.112	0.95 (0.77, 1.19)	0.676	0.975	NA	NA	NA
FinnGen Somascan	INHBB	rs17050272	-0.027	0.064	0.97 (0.86, 1.10)	0.677	0.975	NA	NA	NA
FinnGen Somascan	CLN5	rs1800209	0.036	0.087	1.04 (0.87, 1.23)	0.678	0.975	NA	NA	NA
FinnGen Somascan	LTK	rs11858506	0.016	0.038	1.02 (0.94, 1.09)	0.680	0.975	NA	NA	NA
FinnGen Somascan	MXRA7	rs1558251	0.026	0.063	1.03 (0.91, 1.16)	0.680	0.975	NA	NA	NA
FinnGen Somascan	KLB	rs1458255	0.015	0.038	1.02 (0.94, 1.09)	0.682	0.975	NA	NA	NA
FinnGen Somascan	TPPP3	rs7186310	0.034	0.083	1.03 (0.88, 1.22)	0.682	0.975	NA	NA	NA
FinnGen Somascan	MR11	rs62111897	-0.039	0.096	0.96 (0.80, 1.16)	0.682	0.975	NA	NA	NA
FinnGen Somascan	CDON	rs11824101	-0.023	0.057	0.98 (0.87, 1.09)	0.683	0.975	NA	NA	NA
FinnGen Somascan	FRZB	rs12611837	0.033	0.081	1.03 (0.88, 1.21)	0.684	0.975	NA	NA	NA
FinnGen Somascan	BTN2A2	rs11756444	0.013	0.032	1.01 (0.95, 1.08)	0.689	0.975	NA	NA	NA
FinnGen Somascan	TNR	rs2235256	-0.036	0.090	0.96 (0.81, 1.15)	0.690	0.975	NA	NA	NA
FinnGen Somascan	IL17RD	rs2035656	0.012	0.031	1.01 (0.95, 1.08)	0.692	0.975	NA	NA	NA
FinnGen Somascan	LYZ	rs4761234	-0.014	0.036	0.99 (0.92, 1.06)	0.695	0.975	NA	NA	NA
FinnGen Somascan	FBP2	rs2679604	-0.028	0.071	0.97 (0.85, 1.12)	0.696	0.975	NA	NA	NA
FinnGen Somascan	IL27RA	rs35026308	-0.018	0.046	0.98 (0.90, 1.07)	0.697	0.975	NA	NA	NA
FinnGen Somascan	TNC	rs72758634	0.019	0.050	1.02 (0.92, 1.12)	0.699	0.975	NA	NA	NA
FinnGen Somascan	IL15RA	rs36055263	-0.022	0.057	0.98 (0.87, 1.09)	0.699	0.975	NA	NA	NA
FinnGen Somascan	CYB5D2	rs183282334	-0.039	0.102	0.96 (0.79, 1.17)	0.700	0.975	NA	NA	NA
FinnGen Somascan	ACVRL1	rs11169954	0.037	0.097	1.04 (0.86, 1.25)	0.701	0.975	NA	NA	NA
FinnGen Somascan	PEBP1	rs142740846	-0.025	0.066	0.98 (0.86, 1.11)	0.705	0.975	NA	NA	NA
FinnGen Somascan	SRA1	rs7712617	0.029	0.078	1.03 (0.88, 1.20)	0.705	0.975	NA	NA	NA
FinnGen Somascan	LIPG	rs6507939	-0.032	0.083	0.97 (0.82, 1.14)	0.705	0.975	NA	NA	NA
FinnGen Somascan	TGM3	rs214830	0.025	0.065	1.02 (0.90, 1.16)	0.706	0.975	NA	NA	NA
FinnGen Somascan	PTGFRN	rs4233450	0.016	0.042	1.02 (0.94, 1.10)	0.707	0.975	NA	NA	NA

FinnGen Somascan	DKK2	rs76004956	0.024	0.064	1.02 (0.90, 1.16)	0.707	0.975	NA	NA	NA
FinnGen Somascan	B3GAT3	rs7122950	0.021	0.057	1.02 (0.91, 1.14)	0.710	0.975	NA	NA	NA
FinnGen Somascan	ASPN	rs3758229	0.022	0.058	1.02 (0.91, 1.15)	0.710	0.975	NA	NA	NA
FinnGen Somascan	PATE4	rs4472951	0.034	0.091	1.03 (0.87, 1.24)	0.710	0.975	NA	NA	NA
FinnGen Somascan	IGSF8	rs12408242	-0.036	0.097	0.96 (0.80, 1.17)	0.711	0.975	NA	NA	NA
FinnGen Somascan	HPGDS	rs10033662	-0.016	0.045	0.98 (0.90, 1.07)	0.715	0.975	NA	NA	NA
FinnGen Somascan	GPX7	rs11205979	0.028	0.077	1.03 (0.88, 1.20)	0.715	0.975	NA	NA	NA
FinnGen Somascan	H6PD	rs3765959	0.020	0.055	1.02 (0.92, 1.14)	0.717	0.975	NA	NA	NA
FinnGen Somascan	SFTPB	rs1130866	0.018	0.049	1.02 (0.92, 1.12)	0.718	0.975	NA	NA	NA
FinnGen Somascan	DNAJC30	rs57030216	0.027	0.075	1.03 (0.89, 1.19)	0.720	0.975	NA	NA	NA
FinnGen Somascan	APMAP	rs12242	-0.036	0.100	0.96 (0.79, 1.17)	0.721	0.975	NA	NA	NA
FinnGen Somascan	UST	rs45490997	-0.061	0.172	0.94 (0.67, 1.32)	0.722	0.975	NA	NA	NA
FinnGen Somascan	ASIP	rs62209647	-0.016	0.045	0.98 (0.90, 1.07)	0.723	0.975	NA	NA	NA
FinnGen Somascan	PSG9	rs143091816	0.052	0.145	1.05 (0.79, 1.40)	0.723	0.975	NA	NA	NA
FinnGen Somascan	VSTM1	rs2433724	-0.010	0.030	0.99 (0.93, 1.05)	0.725	0.975	NA	NA	NA
FinnGen Somascan	VSTM1	rs2433724	-0.024	0.069	0.98 (0.85, 1.12)	0.725	0.975	NA	NA	NA
FinnGen Somascan	CST4	rs7264810	-0.026	0.074	0.97 (0.84, 1.13)	0.725	0.975	NA	NA	NA
FinnGen Somascan	CDCP1	rs62244475	-0.031	0.087	0.97 (0.82, 1.15)	0.726	0.975	NA	NA	NA
FinnGen Somascan	AKR1C4	rs76669111	-0.017	0.049	0.98 (0.89, 1.08)	0.730	0.975	NA	NA	NA
FinnGen Somascan	CRHBP	rs6879129	0.013	0.038	1.01 (0.94, 1.09)	0.733	0.975	NA	NA	NA
FinnGen Somascan	IGF2R	rs629849	0.016	0.048	1.02 (0.93, 1.12)	0.734	0.975	NA	NA	NA
FinnGen Somascan	IL1RAP	rs11927365	0.010	0.028	1.01 (0.95, 1.07)	0.735	0.975	NA	NA	NA
FinnGen Somascan	IL1RAP	rs11927365	0.010	0.029	1.01 (0.95, 1.07)	0.735	0.975	NA	NA	NA
FinnGen Somascan	TNC	rs12342409	-0.011	0.033	0.99 (0.93, 1.06)	0.738	0.975	NA	NA	NA
FinnGen Somascan	TNC	rs12342409	0.012	0.035	1.01 (0.94, 1.08)	0.738	0.975	NA	NA	NA
FinnGen Somascan	TNC	rs12342409	-0.013	0.040	0.99 (0.91, 1.07)	0.738	0.975	NA	NA	NA
FinnGen Somascan	APOL3	rs132646	-0.010	0.031	0.99 (0.93, 1.05)	0.740	0.975	NA	NA	NA
FinnGen Somascan	ADGRF5	rs571247	0.014	0.041	1.01 (0.94, 1.10)	0.740	0.975	NA	NA	NA
FinnGen Somascan	FCRLB	rs7549830	-0.020	0.062	0.98 (0.87, 1.11)	0.742	0.975	NA	NA	NA
FinnGen Somascan	SLAMF7	rs11581248	0.011	0.035	1.01 (0.95, 1.08)	0.743	0.975	NA	NA	NA
FinnGen Somascan	PLTP	rs58952297	0.013	0.041	1.01 (0.94, 1.10)	0.744	0.975	NA	NA	NA
FinnGen Somascan	TIMP4	rs454615	-0.018	0.054	0.98 (0.88, 1.09)	0.744	0.975	NA	NA	NA
FinnGen Somascan	ACHE	rs7803865	-0.016	0.051	0.98 (0.89, 1.09)	0.746	0.975	NA	NA	NA

FinnGen Somascan	SPINT3	rs6032276	0.018	0.054	1.02 (0.92, 1.13)	0.746	0.975	NA	NA	NA
FinnGen Somascan	SERPINA5	rs6118	0.023	0.071	1.02 (0.89, 1.17)	0.746	0.975	NA	NA	NA
FinnGen Somascan	PDHX	rs1326940	0.026	0.081	1.03 (0.88, 1.20)	0.747	0.975	NA	NA	NA
FinnGen Somascan	CCL18	rs2015086	-0.013	0.040	0.99 (0.91, 1.07)	0.749	0.975	NA	NA	NA
FinnGen Somascan	CCL3	rs2015086	-0.018	0.055	0.98 (0.88, 1.09)	0.749	0.975	NA	NA	NA
FinnGen Somascan	C1QC	rs75380810	-0.019	0.060	0.98 (0.87, 1.10)	0.749	0.975	NA	NA	NA
FinnGen Somascan	PPIL1	rs10440825	0.015	0.047	1.02 (0.93, 1.11)	0.750	0.975	NA	NA	NA
FinnGen Somascan	LBP	rs2232613	-0.014	0.044	0.99 (0.90, 1.08)	0.752	0.975	NA	NA	NA
FinnGen Somascan	CNDP1	rs17817077	0.027	0.084	1.03 (0.87, 1.21)	0.752	0.975	NA	NA	NA
FinnGen Somascan	NTNG1	rs115668827	0.014	0.044	1.01 (0.93, 1.11)	0.753	0.975	NA	NA	NA
FinnGen Somascan	GLRX2	rs148212596	-0.036	0.115	0.96 (0.77, 1.21)	0.753	0.975	NA	NA	NA
FinnGen Somascan	FAM3B	rs4305350	0.014	0.046	1.01 (0.93, 1.11)	0.754	0.975	NA	NA	NA
FinnGen Somascan	GSTA2	rs2474462	0.022	0.069	1.02 (0.89, 1.17)	0.754	0.975	NA	NA	NA
FinnGen Somascan	ANG	rs17114699	-0.014	0.045	0.99 (0.90, 1.08)	0.756	0.975	NA	NA	NA
FinnGen Somascan	SNCA	rs7656954	-0.027	0.088	0.97 (0.82, 1.16)	0.756	0.975	NA	NA	NA
FinnGen Somascan	PCSK1	rs6235	-0.008	0.028	0.99 (0.94, 1.05)	0.759	0.975	NA	NA	NA
FinnGen Somascan	BTD	rs13078881	0.015	0.050	1.02 (0.92, 1.12)	0.759	0.975	NA	NA	NA
FinnGen Somascan	IGFBP7	rs10866442	0.025	0.082	1.03 (0.87, 1.21)	0.759	0.975	NA	NA	NA
FinnGen Somascan	SIGLEC6	rs10853837	0.012	0.041	1.01 (0.93, 1.10)	0.761	0.975	NA	NA	NA
FinnGen Somascan	PAM	rs74567345	-0.013	0.042	0.99 (0.91, 1.07)	0.761	0.975	NA	NA	NA
FinnGen Somascan	ENPEP	rs6844746	0.014	0.045	1.01 (0.93, 1.11)	0.764	0.975	NA	NA	NA
FinnGen Somascan	FAHD1	rs2974859	-0.023	0.079	0.98 (0.84, 1.14)	0.766	0.975	NA	NA	NA
FinnGen Somascan	ROR2	rs9409650	-0.026	0.087	0.97 (0.82, 1.16)	0.766	0.975	NA	NA	NA
FinnGen Somascan	VNN2	rs9493423	-0.011	0.037	0.99 (0.92, 1.06)	0.767	0.975	NA	NA	NA
FinnGen Somascan	PPIC	rs17388251	-0.011	0.038	0.99 (0.92, 1.06)	0.767	0.975	NA	NA	NA
FinnGen Somascan	IL16	rs4778639	-0.011	0.039	0.99 (0.92, 1.07)	0.772	0.978	NA	NA	NA
FinnGen Somascan	IL10RB	rs2507737	0.029	0.100	1.03 (0.85, 1.25)	0.773	0.978	NA	NA	NA
FinnGen Somascan	SERPINA3	rs17753556	-0.020	0.070	0.98 (0.86, 1.12)	0.774	0.978	NA	NA	NA
FinnGen Somascan	ESD	rs15303	0.028	0.100	1.03 (0.85, 1.25)	0.776	0.980	NA	NA	NA
FinnGen Somascan	MST1	rs3197999	-0.008	0.027	0.99 (0.94, 1.05)	0.782	0.984	NA	NA	NA
FinnGen Somascan	OXSRI	rs6599079	0.026	0.096	1.03 (0.85, 1.24)	0.784	0.984	NA	NA	NA
FinnGen Somascan	ISG15	rs1921	0.029	0.105	1.03 (0.84, 1.26)	0.784	0.984	NA	NA	NA
FinnGen Somascan	GNPNAT1	rs7143253	-0.025	0.092	0.98 (0.82, 1.17)	0.789	0.987	NA	NA	NA

FinnGen Somascan	VTN	rs704	0.006	0.022	1.01 (0.96, 1.05)	0.796	0.987	NA	NA	NA
FinnGen Somascan	SDF2	rs704	0.008	0.032	1.01 (0.95, 1.07)	0.796	0.987	NA	NA	NA
FinnGen Somascan	HABP2	rs7080536	0.017	0.064	1.02 (0.90, 1.15)	0.796	0.987	NA	NA	NA
FinnGen Somascan	VTN	rs704	0.021	0.079	1.02 (0.87, 1.19)	0.796	0.987	NA	NA	NA
FinnGen Somascan	ADAMTS5	rs233599	-0.012	0.045	0.99 (0.90, 1.08)	0.798	0.987	NA	NA	NA
FinnGen Somascan	LZTFL1	rs9849511	0.027	0.105	1.03 (0.84, 1.26)	0.799	0.987	NA	NA	NA
FinnGen Somascan	F11	rs3756011	-0.012	0.047	0.99 (0.90, 1.08)	0.800	0.987	NA	NA	NA
FinnGen Somascan	AZGP1	rs1981549	0.019	0.076	1.02 (0.88, 1.18)	0.801	0.987	NA	NA	NA
FinnGen Somascan	ADGRE2	rs67023356	-0.019	0.080	0.98 (0.84, 1.15)	0.808	0.987	NA	NA	NA
FinnGen Somascan	ZBP1	rs45521631	-0.025	0.105	0.97 (0.79, 1.20)	0.808	0.987	NA	NA	NA
FinnGen Somascan	SMOC2	rs2609312	0.012	0.051	1.01 (0.92, 1.12)	0.809	0.987	NA	NA	NA
FinnGen Somascan	ECI1	rs55650311	-0.025	0.105	0.97 (0.79, 1.20)	0.809	0.987	NA	NA	NA
FinnGen Somascan	AHSG	rs35094235	0.014	0.060	1.01 (0.90, 1.14)	0.810	0.987	NA	NA	NA
FinnGen Somascan	SCARF1	rs2272011	0.009	0.038	1.01 (0.94, 1.09)	0.813	0.987	NA	NA	NA
FinnGen Somascan	FKBP7	rs7587593	-0.012	0.052	0.99 (0.89, 1.09)	0.813	0.987	NA	NA	NA
FinnGen Somascan	ATIC	rs1997059	-0.016	0.068	0.98 (0.86, 1.12)	0.813	0.987	NA	NA	NA
FinnGen Somascan	IL5RA	rs17887110	0.012	0.050	1.01 (0.92, 1.11)	0.815	0.987	NA	NA	NA
FinnGen Somascan	PLXND1	rs2251016	-0.023	0.099	0.98 (0.80, 1.19)	0.817	0.987	NA	NA	NA
FinnGen Somascan	TIRAP	rs8177399	-0.019	0.082	0.98 (0.84, 1.15)	0.818	0.987	NA	NA	NA
FinnGen Somascan	POMGNT2	rs729654	-0.018	0.080	0.98 (0.84, 1.15)	0.820	0.987	NA	NA	NA
FinnGen Somascan	HP	rs77303550	-0.009	0.038	0.99 (0.92, 1.07)	0.821	0.987	NA	NA	NA
FinnGen Somascan	HP	rs77303550	-0.009	0.039	0.99 (0.92, 1.07)	0.821	0.987	NA	NA	NA
FinnGen Somascan	HLA-DQA2	rs9271546	-0.014	0.061	0.99 (0.87, 1.11)	0.821	0.987	NA	NA	NA
FinnGen Somascan	SPON2	rs6826705	0.012	0.052	1.01 (0.91, 1.12)	0.824	0.987	NA	NA	NA
FinnGen Somascan	TCN2	rs2267163	-0.005	0.022	1.00 (0.95, 1.04)	0.826	0.987	NA	NA	NA
FinnGen Somascan	TCN2	rs2267163	-0.008	0.036	0.99 (0.92, 1.06)	0.826	0.987	NA	NA	NA
FinnGen Somascan	EPHB1	rs9856814	0.015	0.070	1.02 (0.89, 1.16)	0.826	0.987	NA	NA	NA
FinnGen Somascan	PGLYRP2	rs140755383	0.014	0.065	1.01 (0.89, 1.15)	0.827	0.987	NA	NA	NA
FinnGen Somascan	OXT	rs877172	-0.012	0.056	0.99 (0.89, 1.10)	0.831	0.987	NA	NA	NA
FinnGen Somascan	CNTN2	rs3753847	-0.009	0.041	0.99 (0.92, 1.07)	0.834	0.987	NA	NA	NA
FinnGen Somascan	MSMB	rs10993994	-0.005	0.026	0.99 (0.95, 1.05)	0.840	0.987	NA	NA	NA
FinnGen Somascan	CXCL6	rs62312418	-0.014	0.071	0.99 (0.86, 1.13)	0.842	0.987	NA	NA	NA
FinnGen Somascan	PDCD1LG2	rs58970962	-0.008	0.042	0.99 (0.91, 1.08)	0.843	0.987	NA	NA	NA

FinnGen Somascan	TMEM132A	rs688638	0.009	0.045	1.01 (0.92, 1.10)	0.843	0.987	NA	NA	NA
FinnGen Somascan	SELL	rs75776028	0.012	0.060	1.01 (0.90, 1.14)	0.843	0.987	NA	NA	NA
FinnGen Somascan	SCUBE3	rs2038740	-0.014	0.073	0.99 (0.85, 1.14)	0.843	0.987	NA	NA	NA
FinnGen Somascan	B3GNT8	rs284663	-0.006	0.029	0.99 (0.94, 1.05)	0.848	0.987	NA	NA	NA
FinnGen Somascan	SERPINA4	rs10149354	0.010	0.052	1.01 (0.91, 1.12)	0.848	0.987	NA	NA	NA
FinnGen Somascan	TYMP	rs140521	0.015	0.076	1.01 (0.87, 1.18)	0.848	0.987	NA	NA	NA
FinnGen Somascan	CNTFR	rs10972159	0.027	0.139	1.03 (0.78, 1.35)	0.848	0.987	NA	NA	NA
FinnGen Somascan	CNTFR	rs10972159	0.029	0.152	1.03 (0.76, 1.39)	0.848	0.987	NA	NA	NA
FinnGen Somascan	ENPP5	rs2185108	0.007	0.037	1.01 (0.94, 1.08)	0.851	0.987	NA	NA	NA
FinnGen Somascan	GSTZ1	rs7975	0.007	0.036	1.01 (0.94, 1.08)	0.853	0.987	NA	NA	NA
FinnGen Somascan	KNG1	rs2304456	0.015	0.083	1.02 (0.86, 1.19)	0.853	0.987	NA	NA	NA
FinnGen Somascan	CHD1L	rs6658763	-0.010	0.054	0.99 (0.89, 1.10)	0.854	0.987	NA	NA	NA
FinnGen Somascan	MPO	rs34097845	0.020	0.108	1.02 (0.83, 1.26)	0.856	0.987	NA	NA	NA
FinnGen Somascan	MATN4	rs9784191	-0.015	0.081	0.99 (0.84, 1.16)	0.857	0.987	NA	NA	NA
FinnGen Somascan	COLGALT1	rs4808666	0.016	0.089	1.02 (0.85, 1.21)	0.857	0.987	NA	NA	NA
FinnGen Somascan	CFHR5	rs72732234	0.019	0.108	1.02 (0.82, 1.26)	0.858	0.987	NA	NA	NA
FinnGen Somascan	CFHR5	rs72732234	0.020	0.110	1.02 (0.82, 1.27)	0.858	0.987	NA	NA	NA
FinnGen Somascan	CFHR5	rs72732234	0.020	0.112	1.02 (0.82, 1.27)	0.858	0.987	NA	NA	NA
FinnGen Somascan	PDGFRB	rs3816018	-0.004	0.022	1.00 (0.95, 1.04)	0.862	0.987	NA	NA	NA
FinnGen Somascan	IFNLR1	rs139958347	0.027	0.156	1.03 (0.76, 1.39)	0.863	0.987	NA	NA	NA
FinnGen Somascan	TFF1	rs3761376	-0.009	0.056	0.99 (0.89, 1.11)	0.869	0.987	NA	NA	NA
FinnGen Somascan	A4GALT	rs5751348	-0.014	0.086	0.99 (0.83, 1.17)	0.870	0.987	NA	NA	NA
FinnGen Somascan	CKM	rs11559024	0.014	0.085	1.01 (0.86, 1.20)	0.871	0.987	NA	NA	NA
FinnGen Somascan	MASP1	rs28945068	0.011	0.065	1.01 (0.89, 1.15)	0.872	0.987	NA	NA	NA
FinnGen Somascan	LEFTY2	rs1223245	0.006	0.036	1.01 (0.94, 1.08)	0.874	0.987	NA	NA	NA
FinnGen Somascan	AIF1L	rs11244283	-0.009	0.055	0.99 (0.89, 1.10)	0.874	0.987	NA	NA	NA
FinnGen Somascan	ACYP1	rs28756986	0.022	0.140	1.02 (0.78, 1.34)	0.877	0.987	NA	NA	NA
FinnGen Somascan	CNTN5	rs4143858	0.013	0.085	1.01 (0.86, 1.20)	0.878	0.987	NA	NA	NA
FinnGen Somascan	NTN1	rs9893768	-0.011	0.075	0.99 (0.85, 1.14)	0.880	0.987	NA	NA	NA
FinnGen Somascan	REG1A	rs283898	-0.013	0.085	0.99 (0.83, 1.17)	0.880	0.987	NA	NA	NA
FinnGen Somascan	SPAG7	rs16942615	0.017	0.117	1.02 (0.81, 1.28)	0.884	0.987	NA	NA	NA
FinnGen Somascan	CNRIP1	rs61142289	0.006	0.044	1.01 (0.92, 1.10)	0.885	0.987	NA	NA	NA
FinnGen Somascan	SAA1	rs11024589	-0.008	0.054	0.99 (0.89, 1.10)	0.885	0.987	NA	NA	NA

FinnGen Somascan	SAA2	rs11024589	-0.009	0.060	0.99 (0.88, 1.12)	0.885	0.987	NA	NA	NA
FinnGen Somascan	QSOX2	rs7031621	-0.009	0.060	0.99 (0.88, 1.12)	0.887	0.987	NA	NA	NA
FinnGen Somascan	VEGFA	rs4320361	0.009	0.064	1.01 (0.89, 1.14)	0.887	0.987	NA	NA	NA
FinnGen Somascan	IGF2R	rs2282140	-0.007	0.051	0.99 (0.90, 1.10)	0.888	0.987	NA	NA	NA
FinnGen Somascan	ADAM23	rs1035583	-0.010	0.072	0.99 (0.86, 1.14)	0.890	0.987	NA	NA	NA
FinnGen Somascan	VEGFA	rs4413611	0.008	0.062	1.01 (0.89, 1.14)	0.891	0.987	NA	NA	NA
FinnGen Somascan	TNC	rs7029482	0.011	0.082	1.01 (0.86, 1.19)	0.892	0.987	NA	NA	NA
FinnGen Somascan	P4HB	rs9896915	0.013	0.099	1.01 (0.84, 1.23)	0.892	0.987	NA	NA	NA
FinnGen Somascan	LCT	rs6754311	-0.004	0.030	1.00 (0.94, 1.06)	0.894	0.987	NA	NA	NA
FinnGen Somascan	TCN1	rs10896996	-0.011	0.085	0.99 (0.84, 1.17)	0.895	0.987	NA	NA	NA
FinnGen Somascan	AAMDC	rs12806790	0.006	0.046	1.01 (0.92, 1.10)	0.896	0.987	NA	NA	NA
FinnGen Somascan	IL12B	rs10043720	-0.005	0.043	0.99 (0.91, 1.08)	0.900	0.987	NA	NA	NA
FinnGen Somascan	HIBCH	rs291466	0.006	0.049	1.01 (0.91, 1.11)	0.900	0.987	NA	NA	NA
FinnGen Somascan	CRYZ	rs3819946	0.004	0.036	1.00 (0.94, 1.08)	0.901	0.987	NA	NA	NA
FinnGen Somascan	FGFBP3	rs17349172	-0.008	0.068	0.99 (0.87, 1.13)	0.905	0.987	NA	NA	NA
FinnGen Somascan	TGFB1	rs56254331	-0.008	0.072	0.99 (0.86, 1.14)	0.906	0.987	NA	NA	NA
FinnGen Somascan	SMPDL3A	rs13216278	0.006	0.048	1.01 (0.92, 1.10)	0.907	0.987	NA	NA	NA
FinnGen Somascan	SMPDL3A	rs13216278	0.007	0.059	1.01 (0.90, 1.13)	0.907	0.987	NA	NA	NA
FinnGen Somascan	NUDT2	rs7852399	0.006	0.054	1.01 (0.91, 1.12)	0.909	0.987	NA	NA	NA
FinnGen Somascan	BPIFB1	rs2424961	-0.006	0.056	0.99 (0.89, 1.11)	0.909	0.987	NA	NA	NA
FinnGen Somascan	BPIFB1	rs2424961	-0.007	0.057	0.99 (0.89, 1.11)	0.909	0.987	NA	NA	NA
FinnGen Somascan	FAM3B	rs17000823	-0.005	0.045	0.99 (0.91, 1.09)	0.910	0.987	NA	NA	NA
FinnGen Somascan	CTSS	rs72702561	0.006	0.056	1.01 (0.90, 1.12)	0.910	0.987	NA	NA	NA
FinnGen Somascan	PGM1	rs2269247	-0.012	0.109	0.99 (0.80, 1.22)	0.910	0.987	NA	NA	NA
FinnGen Somascan	GSTA1	rs2608624	-0.006	0.054	0.99 (0.89, 1.10)	0.911	0.987	NA	NA	NA
FinnGen Somascan	GSTA1	rs2608624	-0.007	0.058	0.99 (0.89, 1.11)	0.911	0.987	NA	NA	NA
FinnGen Somascan	NPL	rs6704003	-0.010	0.092	0.99 (0.83, 1.19)	0.911	0.987	NA	NA	NA
FinnGen Somascan	PDIA5	rs2278668	-0.005	0.043	1.00 (0.91, 1.08)	0.915	0.988	NA	NA	NA
FinnGen Somascan	SIGLEC12	rs3810114	-0.003	0.031	1.00 (0.94, 1.06)	0.919	0.988	NA	NA	NA
FinnGen Somascan	ANKRD16	rs78637063	-0.013	0.131	0.99 (0.76, 1.27)	0.919	0.988	NA	NA	NA
FinnGen Somascan	KLK10	rs2569454	0.005	0.048	1.00 (0.91, 1.10)	0.920	0.988	NA	NA	NA
FinnGen Somascan	SERPINA4	rs5511	0.005	0.051	1.00 (0.91, 1.11)	0.924	0.988	NA	NA	NA
FinnGen Somascan	IGFLR1	rs62112162	-0.005	0.055	0.99 (0.89, 1.11)	0.925	0.988	NA	NA	NA

FinnGen Somascan	HINT1	rs1035440	0.008	0.085	1.01 (0.85, 1.19)	0.925	0.988	NA	NA	NA
FinnGen Somascan	CPNE1	rs2295356	-0.003	0.031	1.00 (0.94, 1.06)	0.926	0.988	NA	NA	NA
FinnGen Somascan	CTSC	rs11600158	0.004	0.043	1.00 (0.92, 1.09)	0.926	0.988	NA	NA	NA
FinnGen Somascan	CD46	rs2724398	0.006	0.069	1.01 (0.88, 1.15)	0.927	0.988	NA	NA	NA
FinnGen Somascan	CTSB	rs6990033	-0.004	0.043	1.00 (0.92, 1.08)	0.928	0.988	NA	NA	NA
FinnGen Somascan	MMP1	rs471994	-0.007	0.077	0.99 (0.85, 1.15)	0.929	0.988	NA	NA	NA
FinnGen Somascan	FUT8	rs2127870	-0.004	0.047	1.00 (0.91, 1.09)	0.930	0.988	NA	NA	NA
FinnGen Somascan	ROR1	rs6588083	0.007	0.082	1.01 (0.86, 1.18)	0.931	0.988	NA	NA	NA
FinnGen Somascan	ROR1	rs6588083	0.007	0.083	1.01 (0.86, 1.19)	0.931	0.988	NA	NA	NA
FinnGen Somascan	ISLR2	rs6495089	0.008	0.092	1.01 (0.84, 1.21)	0.932	0.988	NA	NA	NA
FinnGen Somascan	NUDT16	rs148021771	0.007	0.092	1.01 (0.84, 1.21)	0.936	0.989	NA	NA	NA
FinnGen Somascan	LHB	rs78537284	-0.009	0.111	0.99 (0.80, 1.23)	0.936	0.989	NA	NA	NA
FinnGen Somascan	ACP1	rs55936726	0.002	0.025	1.00 (0.95, 1.05)	0.940	0.989	NA	NA	NA
FinnGen Somascan	CBR3	rs60376898	0.003	0.038	1.00 (0.93, 1.08)	0.941	0.989	NA	NA	NA
FinnGen Somascan	KLK11	rs1048328	0.002	0.034	1.00 (0.94, 1.07)	0.942	0.989	NA	NA	NA
FinnGen Somascan	KLK11	rs1048328	0.004	0.053	1.00 (0.90, 1.11)	0.942	0.989	NA	NA	NA
FinnGen Somascan	VEGFA	rs11757903	0.004	0.056	1.00 (0.90, 1.12)	0.945	0.991	NA	NA	NA
FinnGen Somascan	COL6A1	rs1053312	0.002	0.023	1.00 (0.96, 1.05)	0.949	0.991	NA	NA	NA
FinnGen Somascan	TTPAL	rs1983	-0.002	0.033	1.00 (0.94, 1.06)	0.949	0.991	NA	NA	NA
FinnGen Somascan	NID2	rs112590828	-0.006	0.102	0.99 (0.81, 1.21)	0.949	0.991	NA	NA	NA
FinnGen Somascan	MERTK	rs189575102	0.005	0.078	1.00 (0.86, 1.17)	0.950	0.991	NA	NA	NA
FinnGen Somascan	BCAT2	rs736170	-0.003	0.047	1.00 (0.91, 1.09)	0.956	0.992	NA	NA	NA
FinnGen Somascan	PROK2	rs7644362	-0.003	0.049	1.00 (0.91, 1.10)	0.957	0.992	NA	NA	NA
FinnGen Somascan	SFTPD	rs7084667	-0.003	0.049	1.00 (0.91, 1.10)	0.957	0.992	NA	NA	NA
FinnGen Somascan	CTSB	rs1692819	0.003	0.054	1.00 (0.90, 1.12)	0.961	0.992	NA	NA	NA
FinnGen Somascan	GSTP1	rs1695	-0.003	0.064	1.00 (0.88, 1.13)	0.962	0.992	NA	NA	NA
FinnGen Somascan	HGFAC	rs2498323	-0.001	0.029	1.00 (0.94, 1.06)	0.963	0.992	NA	NA	NA
FinnGen Somascan	HGFAC	rs2498323	-0.001	0.029	1.00 (0.94, 1.06)	0.963	0.992	NA	NA	NA
FinnGen Somascan	POFUT1	rs76143353	-0.004	0.087	1.00 (0.84, 1.18)	0.963	0.992	NA	NA	NA
FinnGen Somascan	INHBC	rs73119306	0.001	0.024	1.00 (0.96, 1.05)	0.964	0.992	NA	NA	NA
FinnGen Somascan	PLG	rs11751347	0.003	0.067	1.00 (0.88, 1.14)	0.964	0.992	NA	NA	NA
FinnGen Somascan	ITIH1	rs1042779	-0.001	0.037	1.00 (0.93, 1.07)	0.972	0.998	NA	NA	NA

FinnGen Somascan	DCPS	rs7947528	-0.003	0.092	1.00 (0.83, 1.19)	0.972	0.998	NA	NA	NA
FinnGen Somascan	PRKCSH	rs11557488	0.004	0.133	1.00 (0.77, 1.30)	0.974	0.998	NA	NA	NA
FinnGen Somascan	ADA2	rs2231495	-0.001	0.032	1.00 (0.94, 1.06)	0.977	0.998	NA	NA	NA
FinnGen Somascan	CFH	rs1065489	0.002	0.068	1.00 (0.88, 1.14)	0.981	0.998	NA	NA	NA
FinnGen Somascan	GFRA2	rs15881	0.002	0.072	1.00 (0.87, 1.15)	0.981	0.998	NA	NA	NA
FinnGen Somascan	PMEL	rs2069391	-0.002	0.091	1.00 (0.83, 1.19)	0.983	0.998	NA	NA	NA
FinnGen Somascan	RAET1L	rs5006620	-0.001	0.040	1.00 (0.92, 1.08)	0.984	0.998	NA	NA	NA
FinnGen Somascan	FCER2	rs12973524	-0.002	0.087	1.00 (0.84, 1.18)	0.984	0.998	NA	NA	NA
FinnGen Somascan	APOL1	rs136148	0.001	0.045	1.00 (0.92, 1.09)	0.985	0.998	NA	NA	NA
FinnGen Somascan	VEGFA	rs11757888	-0.001	0.064	1.00 (0.88, 1.13)	0.985	0.998	NA	NA	NA
FinnGen Somascan	CLPS	rs9380535	-0.001	0.043	1.00 (0.92, 1.09)	0.987	0.998	NA	NA	NA
FinnGen Somascan	CRELD1	rs4234585	4.07E-04	0.031	1.00 (0.94, 1.06)	0.989	0.998	NA	NA	NA
FinnGen Somascan	MDGA1	rs9349050	-2.95E-04	0.024	1.00 (0.95, 1.05)	0.990	0.998	NA	NA	NA
FinnGen Somascan	KDR	rs34231037	-0.001	0.125	1.00 (0.78, 1.28)	0.990	0.998	NA	NA	NA
FinnGen Somascan	MLN	rs1075379	0.001	0.069	1.00 (0.87, 1.15)	0.992	0.998	NA	NA	NA
FinnGen Somascan	PRRX1	rs1234282	-1.97E-04	0.027	1.00 (0.95, 1.05)	0.994	0.998	NA	NA	NA
FinnGen Somascan	MANSC1	rs61922045	-4.20E-04	0.081	1.00 (0.85, 1.17)	0.996	0.998	NA	NA	NA
FinnGen Somascan	GP1BA	rs2243103	4.44E-04	0.099	1.00 (0.82, 1.21)	0.996	0.998	NA	NA	NA
FinnGen Somascan	ANTXR2	rs11735728	3.37E-04	0.094	1.00 (0.83, 1.20)	0.997	0.998	NA	NA	NA
FinnGen Somascan	TREM1	rs13210325	-1.27E-04	0.057	1.00 (0.89, 1.12)	0.998	0.998	NA	NA	NA
FinnGen Olink	MMP12	rs17368659	-0.205	0.046	0.81 (0.74, 0.89)	8.18E-06	0.002	0.962	20	55.9%
FinnGen Olink	LPA	rs56393506	0.323	0.072	1.38 (1.20, 1.59)	7.62E-06	0.002	0.970	20	99.9%
FinnGen Olink	CD40	rs4239702	-0.160	0.037	0.85 (0.79, 0.92)	1.78E-05	0.003	0.623	20	97.5%
FinnGen Olink	MMP3	rs2155013	0.153	0.049	1.17 (1.06, 1.28)	0.002	0.229	0.965	20	0.8%
FinnGen Olink	FLRT2	rs2753614	-0.187	0.061	0.83 (0.74, 0.93)	0.002	0.229	0.641	20	69.8%
FinnGen Olink	TSPAN8	rs2270586	0.189	0.065	1.21 (1.06, 1.37)	0.004	0.234	0.692	20	49.9%
FinnGen Olink	NUCB2	rs214094	-0.110	0.038	0.90 (0.83, 0.96)	0.004	0.234	0.342	20	54.9%
FinnGen Olink	MEGF9	rs4837785	-0.193	0.066	0.82 (0.72, 0.94)	0.004	0.234	0.654	20	56.1%
FinnGen Olink	HGFAC	rs762861	-0.221	0.076	0.80 (0.69, 0.93)	0.004	0.234	0.965	20	62.8%
FinnGen Olink	CLUL1	rs2015412	0.146	0.052	1.16 (1.04, 1.28)	0.005	0.283	0.853	20	57.6%
FinnGen Olink	COL2A1	rs2079295	-0.122	0.047	0.89 (0.81, 0.97)	0.010	0.498	0.419	20	22.4%
FinnGen Olink	IL18R1	rs1861246	0.076	0.031	1.08 (1.02, 1.15)	0.013	0.553	0.689	20	17.4%
FinnGen Olink	CELSR2	rs7528419	-0.145	0.058	0.87 (0.77, 0.97)	0.012	0.553	0.511	20	29.6%

FinnGen Olink	CD33	rs2455069	0.050	0.021	1.05 (1.01, 1.10)	0.017	0.567	0.581	20	11.7%
FinnGen Olink	ANGPT2	rs13264652	-0.223	0.093	0.80 (0.67, 0.96)	0.016	0.567	0.868	13	12.4%
FinnGen Olink	GGT1	rs5751901	0.201	0.084	1.22 (1.04, 1.44)	0.017	0.567	0.548	8	12.8%
FinnGen Olink	LRIG1	rs2306272	0.077	0.033	1.08 (1.01, 1.15)	0.020	0.567	0.222	20	15.5%
FinnGen Olink	KLK15	rs73048483	0.084	0.036	1.09 (1.01, 1.17)	0.019	0.567	0.751	20	15.9%
FinnGen Olink	CYTL1	rs11722554	-0.116	0.048	0.89 (0.81, 0.98)	0.015	0.567	0.001	5	22.1%
FinnGen Olink	GRIK2	rs10485299	-0.174	0.075	0.84 (0.73, 0.97)	0.020	0.567	0.501	20	22.2%
FinnGen Olink	RGMA	rs3752102	0.150	0.074	1.16 (1.00, 1.34)	0.043	0.630	0.641	20	2.2%
FinnGen Olink	BLMH	rs1050565	0.077	0.035	1.08 (1.01, 1.16)	0.030	0.630	0.654	20	7.2%
FinnGen Olink	BTN3A2	rs2072803	-0.077	0.039	0.93 (0.86, 1.00)	0.045	0.630	0.717	20	7.8%
FinnGen Olink	ECM1	rs7002	-0.079	0.037	0.92 (0.86, 0.99)	0.034	0.630	0.435	20	8.7%
FinnGen Olink	PROK1	rs1857513	0.080	0.040	1.08 (1.00, 1.17)	0.047	0.630	0.148	20	8.8%
FinnGen Olink	ICAM5	rs281439	-0.073	0.033	0.93 (0.87, 0.99)	0.025	0.630	0.195	20	9.1%
FinnGen Olink	GCNT1	rs11144931	-0.134	0.067	0.87 (0.77, 1.00)	0.047	0.630	0.458	20	9.1%
FinnGen Olink	PILRB	rs7384878	0.050	0.025	1.05 (1.00, 1.10)	0.045	0.630	0.891	20	9.5%
FinnGen Olink	PILRA	rs7384878	0.059	0.029	1.06 (1.00, 1.12)	0.045	0.630	0.920	20	9.5%
FinnGen Olink	SERPINE2	rs13412535	-0.138	0.069	0.87 (0.76, 1.00)	0.045	0.630	0.886	20	10.1%
FinnGen Olink	FCRL3	rs7522061	0.058	0.027	1.06 (1.01, 1.12)	0.032	0.630	0.115	20	10.6%
FinnGen Olink	HLA-DRA	rs9272226	-0.139	0.068	0.87 (0.76, 0.99)	0.042	0.630	0.306	20	10.8%
FinnGen Olink	CD207	rs17718987	-0.099	0.047	0.91 (0.83, 0.99)	0.033	0.630	0.450	19	12.0%
FinnGen Olink	GGH	rs12682112	0.121	0.059	1.13 (1.01, 1.27)	0.040	0.630	0.731	20	12.5%
FinnGen Olink	MIA	rs2230694	0.087	0.040	1.09 (1.01, 1.18)	0.031	0.630	0.443	20	13.6%
FinnGen Olink	CDH23	rs2394838	0.129	0.064	1.14 (1.00, 1.29)	0.044	0.630	0.272	12	13.9%
FinnGen Olink	GFRA1	rs11197603	-0.146	0.068	0.86 (0.76, 0.99)	0.032	0.630	0.781	20	15.1%
FinnGen Olink	NPTXR	rs79259527	0.103	0.050	1.11 (1.01, 1.22)	0.039	0.630	0.463	20	16.8%
FinnGen Olink	PYY	rs8071224	0.170	0.081	1.19 (1.01, 1.39)	0.037	0.630	0.266	20	17.3%
FinnGen Olink	THTPA	rs7159262	-0.073	0.036	0.93 (0.87, 1.00)	0.044	0.630	0.318	9	19.9%
FinnGen Olink	IL17D	rs9509322	-0.120	0.058	0.89 (0.79, 0.99)	0.037	0.630	0.449	20	20.7%
FinnGen Olink	PPCDC	rs7179097	0.122	0.056	1.13 (1.01, 1.26)	0.028	0.630	0.721	20	21.1%
FinnGen Olink	KIAA0319	rs9358779	-0.142	0.073	0.87 (0.75, 1.00)	0.053	0.663	NA	NA	NA
FinnGen Olink	TMPRSS5	rs1533053	0.065	0.034	1.07 (1.00, 1.14)	0.055	0.663	NA	NA	NA
FinnGen Olink	IGFBP3	rs2854746	-0.127	0.066	0.88 (0.77, 1.00)	0.055	0.663	NA	NA	NA
FinnGen Olink	GRP	rs9957145	0.128	0.067	1.14 (1.00, 1.30)	0.057	0.663	NA	NA	NA

FinnGen Olink	IGFBPL1	rs7046458	0.106	0.056	1.11 (1.00, 1.24)	0.058	0.663	NA	NA	NA
FinnGen Olink	GFRA2	rs6990471	0.118	0.063	1.13 (1.00, 1.27)	0.059	0.663	NA	NA	NA
FinnGen Olink	TFPI	rs1912847	-0.114	0.061	0.89 (0.79, 1.00)	0.060	0.663	NA	NA	NA
FinnGen Olink	TCTN3	rs4075311	0.077	0.041	1.08 (1.00, 1.17)	0.061	0.663	NA	NA	NA
FinnGen Olink	DCBLD2	rs72932700	-0.149	0.080	0.86 (0.74, 1.01)	0.062	0.663	NA	NA	NA
FinnGen Olink	OLFM4	rs17552047	-0.061	0.033	0.94 (0.88, 1.00)	0.063	0.663	NA	NA	NA
FinnGen Olink	ENTPD2	rs34618694	-0.184	0.099	0.83 (0.69, 1.01)	0.063	0.663	NA	NA	NA
FinnGen Olink	CCL25	rs2032887	-0.070	0.038	0.93 (0.86, 1.00)	0.065	0.663	NA	NA	NA
FinnGen Olink	CD300E	rs497053	0.095	0.051	1.10 (0.99, 1.22)	0.065	0.663	NA	NA	NA
FinnGen Olink	BPIFB2	rs35802810	-0.149	0.081	0.86 (0.73, 1.01)	0.066	0.663	NA	NA	NA
FinnGen Olink	HBZ	rs2461286	0.053	0.029	1.05 (1.00, 1.12)	0.069	0.663	NA	NA	NA
FinnGen Olink	NELL1	rs7129413	0.180	0.099	1.20 (0.99, 1.45)	0.070	0.663	NA	NA	NA
FinnGen Olink	FGF5	rs12509595	0.072	0.040	1.08 (0.99, 1.16)	0.071	0.663	NA	NA	NA
FinnGen Olink	IL17RB	rs6445607	-0.090	0.050	0.91 (0.83, 1.01)	0.073	0.663	NA	NA	NA
FinnGen Olink	HSDL2	rs10817342	-0.043	0.024	0.96 (0.91, 1.00)	0.074	0.663	NA	NA	NA
FinnGen Olink	PLXNB2	rs11547731	-0.077	0.043	0.93 (0.85, 1.01)	0.074	0.663	NA	NA	NA
FinnGen Olink	PAMR1	rs12576927	-0.118	0.066	0.89 (0.78, 1.01)	0.074	0.663	NA	NA	NA
FinnGen Olink	FGFBP2	rs4698429	0.080	0.045	1.08 (0.99, 1.18)	0.076	0.663	NA	NA	NA
FinnGen Olink	COMT	rs4633	-0.079	0.045	0.92 (0.85, 1.01)	0.077	0.663	NA	NA	NA
FinnGen Olink	LTA	rs2229092	-0.060	0.034	0.94 (0.88, 1.01)	0.078	0.663	NA	NA	NA
FinnGen Olink	CASP7	rs12773054	0.107	0.061	1.11 (0.99, 1.26)	0.080	0.672	NA	NA	NA
FinnGen Olink	TCN2	rs12485165	-0.070	0.040	0.93 (0.86, 1.01)	0.083	0.678	NA	NA	NA
FinnGen Olink	FCRL5	rs7520793	-0.110	0.063	0.90 (0.79, 1.01)	0.083	0.678	NA	NA	NA
FinnGen Olink	LTBR	rs10849449	0.127	0.074	1.14 (0.98, 1.31)	0.084	0.678	NA	NA	NA
FinnGen Olink	GALNT2	rs4846923	-0.132	0.078	0.88 (0.75, 1.02)	0.091	0.721	NA	NA	NA
FinnGen Olink	LRRN1	rs9839475	-0.058	0.034	0.94 (0.88, 1.01)	0.092	0.721	NA	NA	NA
FinnGen Olink	CTSH	rs62013200	0.060	0.036	1.06 (0.99, 1.14)	0.096	0.730	NA	NA	NA
FinnGen Olink	PTGR1	rs7852212	-0.129	0.077	0.88 (0.76, 1.02)	0.096	0.730	NA	NA	NA
FinnGen Olink	SLURP1	rs2717600	0.106	0.065	1.11 (0.98, 1.26)	0.100	0.743	NA	NA	NA
FinnGen Olink	SWAP70	rs360139	0.126	0.076	1.13 (0.98, 1.32)	0.100	0.743	NA	NA	NA
FinnGen Olink	CD300LG	rs72836561	-0.143	0.087	0.87 (0.73, 1.03)	0.102	0.746	NA	NA	NA
FinnGen Olink	FCRL1	rs2873413	0.101	0.063	1.11 (0.98, 1.25)	0.106	0.761	NA	NA	NA
FinnGen Olink	PYDC1	rs12935054	-0.098	0.061	0.91 (0.80, 1.02)	0.107	0.761	NA	NA	NA

FinnGen Olink	SCG3	rs35561856	0.067	0.042	1.07 (0.99, 1.16)	0.108	0.761	NA	NA	NA
FinnGen Olink	CHIT1	rs872583	-0.042	0.026	0.96 (0.91, 1.01)	0.109	0.761	NA	NA	NA
FinnGen Olink	ATRAID	rs1275539	0.128	0.081	1.14 (0.97, 1.33)	0.115	0.785	NA	NA	NA
FinnGen Olink	SPINK5	rs4354024	0.095	0.060	1.10 (0.98, 1.24)	0.116	0.785	NA	NA	NA
FinnGen Olink	GM2A	rs153476	-0.055	0.035	0.95 (0.88, 1.01)	0.118	0.787	NA	NA	NA
FinnGen Olink	PINLYP	rs3213276	-0.044	0.029	0.96 (0.90, 1.01)	0.120	0.787	NA	NA	NA
FinnGen Olink	FAM3D	rs17031477	-0.137	0.088	0.87 (0.73, 1.04)	0.120	0.787	NA	NA	NA
FinnGen Olink	CRISP3	rs802070	-0.060	0.039	0.94 (0.87, 1.02)	0.121	0.787	NA	NA	NA
FinnGen Olink	ICAM3	rs28378712	0.117	0.077	1.12 (0.97, 1.31)	0.126	0.792	NA	NA	NA
FinnGen Olink	DNPH1	rs112422722	-0.091	0.060	0.91 (0.81, 1.03)	0.128	0.792	NA	NA	NA
FinnGen Olink	CST5	rs2285059	-0.056	0.037	0.95 (0.88, 1.02)	0.129	0.792	NA	NA	NA
FinnGen Olink	DDR1	rs916920	0.144	0.096	1.15 (0.96, 1.39)	0.135	0.792	NA	NA	NA
FinnGen Olink	FGL1	rs10094922	0.050	0.034	1.05 (0.98, 1.12)	0.138	0.792	NA	NA	NA
FinnGen Olink	TEK	rs55905962	0.104	0.070	1.11 (0.97, 1.27)	0.139	0.792	NA	NA	NA
FinnGen Olink	FUCA1	rs2267961	0.105	0.071	1.11 (0.97, 1.28)	0.140	0.792	NA	NA	NA
FinnGen Olink	PRSS53	rs7196726	0.053	0.036	1.05 (0.98, 1.13)	0.141	0.792	NA	NA	NA
FinnGen Olink	CSF2RB	rs1534881	-0.034	0.023	0.97 (0.92, 1.01)	0.144	0.792	NA	NA	NA
FinnGen Olink	QSOX1	rs12371	-0.060	0.041	0.94 (0.87, 1.02)	0.144	0.792	NA	NA	NA
FinnGen Olink	GPC1	rs35984995	-0.119	0.081	0.89 (0.76, 1.04)	0.144	0.792	NA	NA	NA
FinnGen Olink	TOR1AIP1	rs1300068	0.037	0.025	1.04 (0.99, 1.09)	0.145	0.792	NA	NA	NA
FinnGen Olink	C1QTNF9	rs1961993	0.042	0.029	1.04 (0.99, 1.10)	0.147	0.792	NA	NA	NA
FinnGen Olink	SPINK2	rs59156171	0.082	0.056	1.09 (0.97, 1.21)	0.147	0.792	NA	NA	NA
FinnGen Olink	ERBB2	rs76176725	0.184	0.127	1.20 (0.94, 1.54)	0.147	0.792	NA	NA	NA
FinnGen Olink	CDSN	rs1265047	0.062	0.043	1.06 (0.98, 1.16)	0.149	0.792	NA	NA	NA
FinnGen Olink	CRNN	rs10494275	-0.054	0.037	0.95 (0.88, 1.02)	0.150	0.792	NA	NA	NA
FinnGen Olink	TNFSF14	rs344560	-0.109	0.077	0.90 (0.77, 1.04)	0.154	0.792	NA	NA	NA
FinnGen Olink	PTS	rs2518366	-0.134	0.094	0.87 (0.73, 1.05)	0.155	0.792	NA	NA	NA
FinnGen Olink	BCAT1	rs4453321	0.085	0.060	1.09 (0.97, 1.22)	0.156	0.792	NA	NA	NA
FinnGen Olink	ALDH3A1	rs11651480	0.061	0.043	1.06 (0.98, 1.16)	0.158	0.792	NA	NA	NA
FinnGen Olink	SPARCL1	rs1049544	-0.046	0.033	0.95 (0.89, 1.02)	0.160	0.792	NA	NA	NA
FinnGen Olink	VASN	rs117126914	-0.129	0.092	0.88 (0.73, 1.05)	0.161	0.792	NA	NA	NA
FinnGen Olink	IL1R2	rs7561460	-0.073	0.052	0.93 (0.84, 1.03)	0.162	0.792	NA	NA	NA
FinnGen Olink	CPPED1	rs3748979	-0.047	0.034	0.95 (0.89, 1.02)	0.164	0.792	NA	NA	NA

FinnGen Olink	SPON1	rs1528669	0.106	0.076	1.11 (0.96, 1.29)	0.164	0.792	NA	NA	NA
FinnGen Olink	NFASC	rs6656887	-0.076	0.055	0.93 (0.83, 1.03)	0.165	0.792	NA	NA	NA
FinnGen Olink	PARK7	rs12750531	-0.103	0.074	0.90 (0.78, 1.04)	0.165	0.792	NA	NA	NA
FinnGen Olink	CAT	rs2745905	-0.105	0.076	0.90 (0.78, 1.04)	0.165	0.792	NA	NA	NA
FinnGen Olink	CA6	rs3765963	0.048	0.035	1.05 (0.98, 1.12)	0.168	0.792	NA	NA	NA
FinnGen Olink	SCARF2	rs361603	0.105	0.077	1.11 (0.96, 1.29)	0.170	0.792	NA	NA	NA
FinnGen Olink	GALNT3	rs12692783	-0.107	0.078	0.90 (0.77, 1.05)	0.172	0.792	NA	NA	NA
FinnGen Olink	PSAPL1	rs10023533	0.056	0.041	1.06 (0.98, 1.15)	0.174	0.792	NA	NA	NA
FinnGen Olink	CDH6	rs1392446	-0.087	0.064	0.92 (0.81, 1.04)	0.175	0.792	NA	NA	NA
FinnGen Olink	NPTX2	rs6465718	-0.121	0.089	0.89 (0.74, 1.06)	0.175	0.792	NA	NA	NA
FinnGen Olink	MMP8	rs35231465	-0.103	0.077	0.90 (0.78, 1.05)	0.178	0.792	NA	NA	NA
FinnGen Olink	RET	rs788293	-0.108	0.080	0.90 (0.77, 1.05)	0.178	0.792	NA	NA	NA
FinnGen Olink	CD59	rs831630	-0.091	0.068	0.91 (0.80, 1.04)	0.182	0.792	NA	NA	NA
FinnGen Olink	ICAM1	rs5030377	-0.095	0.071	0.91 (0.79, 1.05)	0.182	0.792	NA	NA	NA
FinnGen Olink	PKLR	rs113312468	0.123	0.093	1.13 (0.94, 1.36)	0.182	0.792	NA	NA	NA
FinnGen Olink	PENK	rs1986217	0.101	0.076	1.11 (0.95, 1.28)	0.184	0.792	NA	NA	NA
FinnGen Olink	MBL2	rs7899547	0.035	0.026	1.04 (0.98, 1.09)	0.185	0.792	NA	NA	NA
FinnGen Olink	ENTPD6	rs6050446	0.055	0.041	1.06 (0.97, 1.15)	0.185	0.792	NA	NA	NA
FinnGen Olink	LCP1	rs7324845	0.035	0.026	1.04 (0.98, 1.09)	0.186	0.792	NA	NA	NA
FinnGen Olink	PZP	rs1035848	0.085	0.065	1.09 (0.96, 1.24)	0.186	0.792	NA	NA	NA
FinnGen Olink	PSG1	rs12986075	-0.079	0.060	0.92 (0.82, 1.04)	0.188	0.792	NA	NA	NA
FinnGen Olink	PLXDC1	rs114494148	-0.263	0.201	0.77 (0.52, 1.14)	0.189	0.792	NA	NA	NA
FinnGen Olink	VMO1	rs2279961	-0.051	0.039	0.95 (0.88, 1.03)	0.190	0.792	NA	NA	NA
FinnGen Olink	PSCA	rs2976397	0.028	0.021	1.03 (0.99, 1.07)	0.192	0.792	NA	NA	NA
FinnGen Olink	ADGRE2	rs2302093	-0.171	0.132	0.84 (0.65, 1.09)	0.194	0.792	NA	NA	NA
FinnGen Olink	PCDH9	rs12869456	-0.113	0.087	0.89 (0.75, 1.06)	0.196	0.792	NA	NA	NA
FinnGen Olink	TP53I3	rs10191964	0.057	0.044	1.06 (0.97, 1.15)	0.202	0.792	NA	NA	NA
FinnGen Olink	MGMT	rs1711667	0.072	0.057	1.07 (0.96, 1.20)	0.203	0.792	NA	NA	NA
FinnGen Olink	FCN1	rs7873100	0.072	0.057	1.07 (0.96, 1.20)	0.203	0.792	NA	NA	NA
FinnGen Olink	PCSK7	rs8521	0.089	0.071	1.09 (0.95, 1.26)	0.206	0.792	NA	NA	NA
FinnGen Olink	MASP1	rs4455312	-0.104	0.082	0.90 (0.77, 1.06)	0.208	0.792	NA	NA	NA
FinnGen Olink	PRR4	rs1063193	0.036	0.028	1.04 (0.98, 1.10)	0.210	0.792	NA	NA	NA
FinnGen Olink	S100A4	rs78031781	0.185	0.147	1.20 (0.90, 1.61)	0.210	0.792	NA	NA	NA

FinnGen Olink	NCAM1	rs11214489	-0.094	0.075	0.91 (0.79, 1.06)	0.212	0.792	NA	NA	NA
FinnGen Olink	RELT	rs876480	-0.078	0.062	0.93 (0.82, 1.05)	0.213	0.792	NA	NA	NA
FinnGen Olink	TNFRSF6B	rs6011040	-0.077	0.062	0.93 (0.82, 1.05)	0.213	0.792	NA	NA	NA
FinnGen Olink	CD160	rs9728526	-0.084	0.067	0.92 (0.81, 1.05)	0.213	0.792	NA	NA	NA
FinnGen Olink	CHI3L1	rs4950928	0.052	0.042	1.05 (0.97, 1.14)	0.214	0.792	NA	NA	NA
FinnGen Olink	CRTAC1	rs56007204	0.055	0.045	1.06 (0.97, 1.15)	0.214	0.792	NA	NA	NA
FinnGen Olink	OSCAR	rs4442925	-0.065	0.053	0.94 (0.84, 1.04)	0.218	0.792	NA	NA	NA
FinnGen Olink	ULBP2	rs35409210	0.059	0.048	1.06 (0.97, 1.16)	0.219	0.792	NA	NA	NA
FinnGen Olink	ADA	rs11555566	0.066	0.054	1.07 (0.96, 1.19)	0.219	0.792	NA	NA	NA
FinnGen Olink	SGSH	rs6565646	-0.037	0.030	0.96 (0.91, 1.02)	0.221	0.792	NA	NA	NA
FinnGen Olink	ATXN3	rs17733979	0.069	0.057	1.07 (0.96, 1.20)	0.221	0.792	NA	NA	NA
FinnGen Olink	RNASE4	rs1888562	0.074	0.060	1.08 (0.96, 1.21)	0.222	0.792	NA	NA	NA
FinnGen Olink	PRND	rs6052796	-0.111	0.091	0.90 (0.75, 1.07)	0.222	0.792	NA	NA	NA
FinnGen Olink	TLR1	rs5743614	-0.053	0.043	0.95 (0.87, 1.03)	0.223	0.792	NA	NA	NA
FinnGen Olink	CPB2	rs17844027	0.076	0.063	1.08 (0.95, 1.22)	0.227	0.801	NA	NA	NA
FinnGen Olink	SBSN	rs12151182	0.074	0.062	1.08 (0.95, 1.22)	0.231	0.810	NA	NA	NA
FinnGen Olink	PXN	rs4767884	-0.053	0.045	0.95 (0.87, 1.03)	0.233	0.810	NA	NA	NA
FinnGen Olink	ADAM15	rs11589479	0.043	0.036	1.04 (0.97, 1.12)	0.236	0.810	NA	NA	NA
FinnGen Olink	SIRPB1	rs35442028	-0.047	0.040	0.95 (0.88, 1.03)	0.236	0.810	NA	NA	NA
FinnGen Olink	CEACAM5	rs9621	0.102	0.086	1.11 (0.93, 1.31)	0.239	0.814	NA	NA	NA
FinnGen Olink	CD300C	rs2293188	0.059	0.050	1.06 (0.96, 1.17)	0.240	0.814	NA	NA	NA
FinnGen Olink	LILRB5	rs12975366	0.030	0.026	1.03 (0.98, 1.08)	0.244	0.825	NA	NA	NA
FinnGen Olink	NMI	rs13020962	-0.049	0.042	0.95 (0.88, 1.03)	0.248	0.829	NA	NA	NA
FinnGen Olink	SNX15	rs484147	-0.079	0.068	0.92 (0.81, 1.06)	0.248	0.829	NA	NA	NA
FinnGen Olink	SIGLEC8	rs74575505	-0.048	0.042	0.95 (0.88, 1.03)	0.254	0.843	NA	NA	NA
FinnGen Olink	QPCT	rs12468307	0.167	0.150	1.18 (0.88, 1.59)	0.266	0.878	NA	NA	NA
FinnGen Olink	SEL1L	rs11499034	-0.065	0.059	0.94 (0.83, 1.05)	0.269	0.878	NA	NA	NA
FinnGen Olink	PDCD1LG2	rs2381282	0.046	0.042	1.05 (0.96, 1.14)	0.271	0.878	NA	NA	NA
FinnGen Olink	CHL1	rs113431463	0.098	0.089	1.10 (0.93, 1.31)	0.274	0.878	NA	NA	NA
FinnGen Olink	KLRK1	rs1351113	0.054	0.050	1.06 (0.96, 1.16)	0.277	0.878	NA	NA	NA
FinnGen Olink	EFHD1	rs150800548	0.146	0.135	1.16 (0.89, 1.51)	0.280	0.878	NA	NA	NA
FinnGen Olink	PTPRS	rs8111385	-0.152	0.140	0.86 (0.65, 1.13)	0.280	0.878	NA	NA	NA
FinnGen Olink	PRTG	rs10851591	-0.057	0.053	0.94 (0.85, 1.05)	0.282	0.878	NA	NA	NA

FinnGen Olink	LY6D	rs60096034	0.053	0.049	1.05 (0.96, 1.16)	0.284	0.878	NA	NA	NA
FinnGen Olink	AGT	rs4762	0.076	0.072	1.08 (0.94, 1.24)	0.287	0.878	NA	NA	NA
FinnGen Olink	FAS	rs7911226	-0.087	0.081	0.92 (0.78, 1.08)	0.287	0.878	NA	NA	NA
FinnGen Olink	NID2	rs2516600	0.051	0.048	1.05 (0.96, 1.16)	0.288	0.878	NA	NA	NA
FinnGen Olink	MPO	rs28730837	-0.136	0.128	0.87 (0.68, 1.12)	0.288	0.878	NA	NA	NA
FinnGen Olink	MMP7	rs56857975	-0.090	0.085	0.91 (0.77, 1.08)	0.291	0.878	NA	NA	NA
FinnGen Olink	NAAA	rs66498356	0.049	0.047	1.05 (0.96, 1.15)	0.292	0.878	NA	NA	NA
FinnGen Olink	GLRX	rs17462893	0.052	0.049	1.05 (0.96, 1.16)	0.293	0.878	NA	NA	NA
FinnGen Olink	CRISP2	rs555247	-0.040	0.038	0.96 (0.89, 1.04)	0.296	0.878	NA	NA	NA
FinnGen Olink	XCL1	rs34328291	-0.039	0.037	0.96 (0.89, 1.03)	0.298	0.878	NA	NA	NA
FinnGen Olink	SERPINB8	rs3826616	-0.053	0.051	0.95 (0.86, 1.05)	0.302	0.878	NA	NA	NA
FinnGen Olink	FETUB	rs114780909	-0.108	0.105	0.90 (0.73, 1.10)	0.302	0.878	NA	NA	NA
FinnGen Olink	AMY2B	rs4244372	0.073	0.071	1.08 (0.94, 1.24)	0.304	0.878	NA	NA	NA
FinnGen Olink	AGXT	rs55649245	-0.074	0.072	0.93 (0.81, 1.07)	0.304	0.878	NA	NA	NA
FinnGen Olink	AMY2A	rs4244372	0.074	0.072	1.08 (0.93, 1.24)	0.304	0.878	NA	NA	NA
FinnGen Olink	HNMT	rs11558538	-0.040	0.039	0.96 (0.89, 1.04)	0.305	0.878	NA	NA	NA
FinnGen Olink	SMOC2	rs56296467	-0.072	0.070	0.93 (0.81, 1.07)	0.306	0.878	NA	NA	NA
FinnGen Olink	CYB5R2	rs12577375	-0.079	0.078	0.92 (0.79, 1.08)	0.308	0.878	NA	NA	NA
FinnGen Olink	CD276	rs28640136	-0.034	0.034	0.97 (0.90, 1.03)	0.311	0.878	NA	NA	NA
FinnGen Olink	DPEP1	rs258341	0.035	0.035	1.04 (0.97, 1.11)	0.311	0.878	NA	NA	NA
FinnGen Olink	MPI	rs7495033	-0.076	0.075	0.93 (0.80, 1.07)	0.311	0.878	NA	NA	NA
FinnGen Olink	CD8A	rs4366909	0.057	0.056	1.06 (0.95, 1.18)	0.313	0.878	NA	NA	NA
FinnGen Olink	VIT	rs13001001	-0.050	0.050	0.95 (0.86, 1.05)	0.314	0.878	NA	NA	NA
FinnGen Olink	CSF3R	rs146490871	0.098	0.098	1.10 (0.91, 1.34)	0.314	0.878	NA	NA	NA
FinnGen Olink	DPT	rs6427146	-0.057	0.057	0.94 (0.85, 1.06)	0.319	0.885	NA	NA	NA
FinnGen Olink	IL31RA	rs1148037	-0.044	0.044	0.96 (0.88, 1.04)	0.322	0.887	NA	NA	NA
FinnGen Olink	CR1	rs679515	0.042	0.043	1.04 (0.96, 1.14)	0.328	0.887	NA	NA	NA
FinnGen Olink	CST7	rs56312312	0.052	0.053	1.05 (0.95, 1.17)	0.328	0.887	NA	NA	NA
FinnGen Olink	TMEM132A	rs10160395	0.044	0.045	1.05 (0.96, 1.14)	0.329	0.887	NA	NA	NA
FinnGen Olink	AHCY	rs143272538	-0.087	0.089	0.92 (0.77, 1.09)	0.329	0.887	NA	NA	NA
FinnGen Olink	CD55	rs28371614	-0.057	0.059	0.94 (0.84, 1.06)	0.334	0.887	NA	NA	NA
FinnGen Olink	SUSD5	rs13085279	-0.055	0.058	0.95 (0.85, 1.06)	0.341	0.887	NA	NA	NA
FinnGen Olink	RNASE10	rs12431933	-0.036	0.038	0.96 (0.89, 1.04)	0.344	0.887	NA	NA	NA

FinnGen Olink	IL2RA	rs12722497	0.043	0.045	1.04 (0.96, 1.14)	0.345	0.887	NA	NA	NA
FinnGen Olink	ITGB6	rs7608267	0.070	0.074	1.07 (0.93, 1.24)	0.346	0.887	NA	NA	NA
FinnGen Olink	GLO1	rs4746	0.058	0.062	1.06 (0.94, 1.20)	0.348	0.887	NA	NA	NA
FinnGen Olink	KLK14	rs2569491	-0.068	0.073	0.93 (0.81, 1.08)	0.351	0.887	NA	NA	NA
FinnGen Olink	CD6	rs11230563	0.029	0.031	1.03 (0.97, 1.09)	0.357	0.887	NA	NA	NA
FinnGen Olink	ENPP5	rs1047153	-0.027	0.030	0.97 (0.92, 1.03)	0.360	0.887	NA	NA	NA
FinnGen Olink	DCC	rs9807459	-0.048	0.053	0.95 (0.86, 1.06)	0.364	0.887	NA	NA	NA
FinnGen Olink	PLA2G2A	rs11573156	-0.032	0.035	0.97 (0.90, 1.04)	0.366	0.887	NA	NA	NA
FinnGen Olink	MELTF	rs28663179	0.052	0.057	1.05 (0.94, 1.18)	0.367	0.887	NA	NA	NA
FinnGen Olink	MARCO	rs7421318	-0.063	0.070	0.94 (0.82, 1.08)	0.367	0.887	NA	NA	NA
FinnGen Olink	CST1	rs4549181	0.033	0.037	1.03 (0.96, 1.11)	0.371	0.887	NA	NA	NA
FinnGen Olink	HLA-A	rs9380142	0.035	0.039	1.04 (0.96, 1.12)	0.372	0.887	NA	NA	NA
FinnGen Olink	TGOLN2	rs6547612	0.032	0.035	1.03 (0.96, 1.11)	0.373	0.887	NA	NA	NA
FinnGen Olink	CCL16	rs10445391	-0.032	0.036	0.97 (0.90, 1.04)	0.374	0.887	NA	NA	NA
FinnGen Olink	CFHR2	rs12066959	-0.028	0.032	0.97 (0.91, 1.03)	0.376	0.887	NA	NA	NA
FinnGen Olink	GPLY	rs12151621	0.038	0.043	1.04 (0.95, 1.13)	0.378	0.887	NA	NA	NA
FinnGen Olink	SMPD1	rs1050239	0.059	0.067	1.06 (0.93, 1.21)	0.378	0.887	NA	NA	NA
FinnGen Olink	RNASE6	rs6571358	-0.073	0.083	0.93 (0.79, 1.09)	0.378	0.887	NA	NA	NA
FinnGen Olink	PAEP	rs783768	0.028	0.032	1.03 (0.97, 1.10)	0.379	0.887	NA	NA	NA
FinnGen Olink	SAA4	rs2468789	0.055	0.063	1.06 (0.93, 1.19)	0.385	0.887	NA	NA	NA
FinnGen Olink	CGREF1	rs2289360	0.040	0.047	1.04 (0.95, 1.14)	0.386	0.887	NA	NA	NA
FinnGen Olink	SELL	rs4987360	0.043	0.050	1.04 (0.95, 1.15)	0.386	0.887	NA	NA	NA
FinnGen Olink	TMEM25	rs45558732	-0.056	0.064	0.95 (0.83, 1.07)	0.386	0.887	NA	NA	NA
FinnGen Olink	REG1B	rs11126696	-0.058	0.067	0.94 (0.83, 1.08)	0.387	0.887	NA	NA	NA
FinnGen Olink	CLSTN3	rs2167285	-0.059	0.068	0.94 (0.83, 1.08)	0.387	0.887	NA	NA	NA
FinnGen Olink	GP6	rs12609736	-0.043	0.050	0.96 (0.87, 1.06)	0.388	0.887	NA	NA	NA
FinnGen Olink	REG1A	rs35520582	0.068	0.079	1.07 (0.92, 1.25)	0.389	0.887	NA	NA	NA
FinnGen Olink	IFNAR1	rs11700514	0.064	0.074	1.07 (0.92, 1.23)	0.390	0.887	NA	NA	NA
FinnGen Olink	CD2AP	rs1385742	-0.045	0.053	0.96 (0.86, 1.06)	0.391	0.887	NA	NA	NA
FinnGen Olink	VWC2	rs482968	-0.055	0.064	0.95 (0.84, 1.07)	0.391	0.887	NA	NA	NA
FinnGen Olink	TDGF1	rs9682509	-0.023	0.027	0.98 (0.93, 1.03)	0.393	0.887	NA	NA	NA
FinnGen Olink	SPINK4	rs7044562	-0.025	0.030	0.97 (0.92, 1.03)	0.393	0.887	NA	NA	NA
FinnGen Olink	PVALB	rs4821544	0.040	0.047	1.04 (0.95, 1.14)	0.393	0.887	NA	NA	NA

FinnGen Olink	ENDOU	rs7484827	-0.065	0.076	0.94 (0.81, 1.09)	0.394	0.887	NA	NA	NA
FinnGen Olink	IGFBP7	rs1718860	-0.065	0.076	0.94 (0.81, 1.09)	0.394	0.887	NA	NA	NA
FinnGen Olink	PBLD	rs7912806	0.049	0.058	1.05 (0.94, 1.18)	0.395	0.887	NA	NA	NA
FinnGen Olink	GBP1	rs148526074	-0.060	0.070	0.94 (0.82, 1.08)	0.395	0.887	NA	NA	NA
FinnGen Olink	KLK11	rs117268623	-0.078	0.093	0.92 (0.77, 1.11)	0.398	0.887	NA	NA	NA
FinnGen Olink	PROCR	rs8124662	-0.073	0.087	0.93 (0.78, 1.10)	0.399	0.887	NA	NA	NA
FinnGen Olink	SORCS2	rs4234798	-0.038	0.045	0.96 (0.88, 1.05)	0.401	0.887	NA	NA	NA
FinnGen Olink	IL6R	rs61812598	-0.019	0.022	0.98 (0.94, 1.03)	0.403	0.887	NA	NA	NA
FinnGen Olink	MST1	rs2172252	-0.024	0.029	0.98 (0.92, 1.03)	0.403	0.887	NA	NA	NA
FinnGen Olink	RBP5	rs3813735	0.073	0.087	1.08 (0.91, 1.27)	0.403	0.887	NA	NA	NA
FinnGen Olink	HDGF	rs11264535	0.021	0.025	1.02 (0.97, 1.07)	0.405	0.887	NA	NA	NA
FinnGen Olink	SPINK1	rs6580502	-0.051	0.061	0.95 (0.84, 1.07)	0.407	0.887	NA	NA	NA
FinnGen Olink	DSCAM	rs78111814	0.061	0.074	1.06 (0.92, 1.23)	0.409	0.887	NA	NA	NA
FinnGen Olink	NT5C	rs78625720	0.047	0.057	1.05 (0.94, 1.17)	0.411	0.887	NA	NA	NA
FinnGen Olink	ALPP	rs11886043	0.045	0.055	1.05 (0.94, 1.17)	0.413	0.887	NA	NA	NA
FinnGen Olink	SELP	rs6136	0.062	0.077	1.06 (0.92, 1.24)	0.417	0.887	NA	NA	NA
FinnGen Olink	LAIR1	rs111949142	0.039	0.048	1.04 (0.95, 1.14)	0.418	0.887	NA	NA	NA
FinnGen Olink	PTPRC	rs184192860	-0.079	0.098	0.92 (0.76, 1.12)	0.419	0.887	NA	NA	NA
FinnGen Olink	IDI2	rs1044261	0.050	0.063	1.05 (0.93, 1.19)	0.423	0.887	NA	NA	NA
FinnGen Olink	SH3GLB2	rs56046505	-0.063	0.079	0.94 (0.80, 1.10)	0.425	0.887	NA	NA	NA
FinnGen Olink	ZP3	rs4415243	0.018	0.023	1.02 (0.97, 1.07)	0.426	0.887	NA	NA	NA
FinnGen Olink	EDDM3B	rs3827905	-0.043	0.053	0.96 (0.86, 1.06)	0.426	0.887	NA	NA	NA
FinnGen Olink	TREML2	rs13207171	-0.039	0.050	0.96 (0.87, 1.06)	0.432	0.887	NA	NA	NA
FinnGen Olink	FCRL2	rs112537702	-0.037	0.047	0.96 (0.88, 1.06)	0.434	0.887	NA	NA	NA
FinnGen Olink	IFNGR2	rs9808753	0.021	0.028	1.02 (0.97, 1.08)	0.435	0.887	NA	NA	NA
FinnGen Olink	CNTNAP2	rs6969311	0.037	0.047	1.04 (0.95, 1.14)	0.435	0.887	NA	NA	NA
FinnGen Olink	CLEC4C	rs12310416	0.023	0.029	1.02 (0.97, 1.08)	0.436	0.887	NA	NA	NA
FinnGen Olink	LPO	rs3785496	-0.070	0.091	0.93 (0.78, 1.11)	0.441	0.887	NA	NA	NA
FinnGen Olink	SELPLG	rs11114013	-0.044	0.057	0.96 (0.86, 1.07)	0.443	0.887	NA	NA	NA
FinnGen Olink	CASP8	rs1045485	0.048	0.063	1.05 (0.93, 1.19)	0.444	0.887	NA	NA	NA
FinnGen Olink	TF	rs8177260	0.053	0.069	1.05 (0.92, 1.21)	0.444	0.887	NA	NA	NA
FinnGen Olink	IL1RL1	rs13020553	0.024	0.032	1.02 (0.96, 1.09)	0.445	0.887	NA	NA	NA
FinnGen Olink	CA5A	rs72816308	-0.033	0.044	0.97 (0.89, 1.05)	0.445	0.887	NA	NA	NA

FinnGen Olink	CPVL	rs34219043	-0.027	0.035	0.97 (0.91, 1.04)	0.447	0.887	NA	NA	NA
FinnGen Olink	PAM	rs36046591	-0.044	0.058	0.96 (0.85, 1.07)	0.447	0.887	NA	NA	NA
FinnGen Olink	NAGK	rs6714900	-0.049	0.064	0.95 (0.84, 1.08)	0.447	0.887	NA	NA	NA
FinnGen Olink	TFRC	rs9867473	-0.046	0.061	0.95 (0.85, 1.08)	0.448	0.887	NA	NA	NA
FinnGen Olink	BST2	rs7256385	0.091	0.120	1.09 (0.87, 1.39)	0.450	0.887	NA	NA	NA
FinnGen Olink	VNN1	rs2272996	-0.022	0.029	0.98 (0.92, 1.04)	0.451	0.887	NA	NA	NA
FinnGen Olink	CD101	rs12130298	0.035	0.047	1.04 (0.95, 1.14)	0.451	0.887	NA	NA	NA
FinnGen Olink	MERTK	rs10187041	-0.049	0.065	0.95 (0.84, 1.08)	0.454	0.887	NA	NA	NA
FinnGen Olink	CLSTN2	rs1900627	0.060	0.080	1.06 (0.91, 1.24)	0.456	0.887	NA	NA	NA
FinnGen Olink	EGFLAM	rs1896663	-0.044	0.060	0.96 (0.85, 1.08)	0.458	0.887	NA	NA	NA
FinnGen Olink	CD300LF	rs35489971	-0.020	0.027	0.98 (0.93, 1.03)	0.459	0.887	NA	NA	NA
FinnGen Olink	CTRB1	rs8045196	-0.044	0.059	0.96 (0.85, 1.07)	0.461	0.887	NA	NA	NA
FinnGen Olink	PODXL	rs7781498	0.077	0.104	1.08 (0.88, 1.33)	0.461	0.887	NA	NA	NA
FinnGen Olink	PCDH12	rs164086	0.059	0.080	1.06 (0.91, 1.24)	0.463	0.887	NA	NA	NA
FinnGen Olink	CLEC6A	rs7968198	0.037	0.051	1.04 (0.94, 1.15)	0.467	0.887	NA	NA	NA
FinnGen Olink	ASAH1	rs35573135	0.033	0.046	1.03 (0.94, 1.13)	0.468	0.887	NA	NA	NA
FinnGen Olink	DBH	rs1611115	-0.019	0.026	0.98 (0.93, 1.03)	0.471	0.887	NA	NA	NA
FinnGen Olink	TPSD1	rs753357	-0.047	0.065	0.95 (0.84, 1.08)	0.471	0.887	NA	NA	NA
FinnGen Olink	IL10RB	rs2834174	0.035	0.048	1.04 (0.94, 1.14)	0.472	0.887	NA	NA	NA
FinnGen Olink	F7	rs6039	0.037	0.052	1.04 (0.94, 1.15)	0.472	0.887	NA	NA	NA
FinnGen Olink	TGFBI	rs916951	-0.029	0.040	0.97 (0.90, 1.05)	0.476	0.887	NA	NA	NA
FinnGen Olink	CAPG	rs6886	-0.019	0.027	0.98 (0.93, 1.03)	0.477	0.887	NA	NA	NA
FinnGen Olink	THY1	rs55933700	0.072	0.103	1.07 (0.88, 1.31)	0.482	0.887	NA	NA	NA
FinnGen Olink	LECT2	rs31530	-0.015	0.021	0.99 (0.94, 1.03)	0.485	0.887	NA	NA	NA
FinnGen Olink	NT5E	rs4304137	0.039	0.056	1.04 (0.93, 1.16)	0.486	0.887	NA	NA	NA
FinnGen Olink	PIK3IP1	rs730286	-0.053	0.077	0.95 (0.82, 1.10)	0.487	0.887	NA	NA	NA
FinnGen Olink	STAB2	rs115840458	0.047	0.068	1.05 (0.92, 1.20)	0.488	0.887	NA	NA	NA
FinnGen Olink	CPQ	rs11997887	0.056	0.081	1.06 (0.90, 1.24)	0.489	0.887	NA	NA	NA
FinnGen Olink	PON2	rs6961773	-0.026	0.037	0.97 (0.91, 1.05)	0.490	0.887	NA	NA	NA
FinnGen Olink	C7	rs74480769	-0.042	0.060	0.96 (0.85, 1.08)	0.490	0.887	NA	NA	NA
FinnGen Olink	ADAMTS8	rs3740888	0.039	0.057	1.04 (0.93, 1.16)	0.491	0.887	NA	NA	NA
FinnGen Olink	FCGR3B	rs1629019	-0.033	0.048	0.97 (0.88, 1.06)	0.492	0.887	NA	NA	NA
FinnGen Olink	CCN4	rs2294024	-0.047	0.068	0.95 (0.83, 1.09)	0.495	0.887	NA	NA	NA

FinnGen Olink	DKK3	rs11022114	-0.051	0.075	0.95 (0.82, 1.10)	0.495	0.887	NA	NA	NA
FinnGen Olink	NCAM2	rs2826851	0.029	0.043	1.03 (0.95, 1.12)	0.497	0.887	NA	NA	NA
FinnGen Olink	CD164L2	rs11584573	0.034	0.050	1.03 (0.94, 1.14)	0.497	0.887	NA	NA	NA
FinnGen Olink	ART3	rs4859610	0.046	0.068	1.05 (0.92, 1.20)	0.497	0.887	NA	NA	NA
FinnGen Olink	PCSK9	rs11591147	0.069	0.101	1.07 (0.88, 1.31)	0.497	0.887	NA	NA	NA
FinnGen Olink	DXO	rs45531831	-0.060	0.088	0.94 (0.79, 1.12)	0.499	0.887	NA	NA	NA
FinnGen Olink	NRCAM	rs17334792	-0.048	0.071	0.95 (0.83, 1.10)	0.500	0.887	NA	NA	NA
FinnGen Olink	TEX101	rs35033974	-0.071	0.105	0.93 (0.76, 1.14)	0.500	0.887	NA	NA	NA
FinnGen Olink	MYOC	rs235879	-0.049	0.075	0.95 (0.82, 1.10)	0.511	0.897	NA	NA	NA
FinnGen Olink	PXDNL	rs1594498	0.038	0.059	1.04 (0.93, 1.17)	0.517	0.897	NA	NA	NA
FinnGen Olink	CLEC4A	rs73059361	-0.096	0.149	0.91 (0.68, 1.22)	0.517	0.897	NA	NA	NA
FinnGen Olink	CLGN	rs6536958	-0.024	0.037	0.98 (0.91, 1.05)	0.520	0.897	NA	NA	NA
FinnGen Olink	GPR37	rs6948445	-0.026	0.041	0.97 (0.90, 1.06)	0.521	0.897	NA	NA	NA
FinnGen Olink	SERPINF1	rs7220762	0.046	0.072	1.05 (0.91, 1.20)	0.524	0.897	NA	NA	NA
FinnGen Olink	IL17RA	rs4819959	-0.018	0.028	0.98 (0.93, 1.04)	0.525	0.897	NA	NA	NA
FinnGen Olink	MATN2	rs1869609	0.040	0.063	1.04 (0.92, 1.18)	0.525	0.897	NA	NA	NA
FinnGen Olink	HCG22	rs2535305	-0.033	0.052	0.97 (0.87, 1.07)	0.526	0.897	NA	NA	NA
FinnGen Olink	SCPEP1	rs7209525	0.041	0.065	1.04 (0.92, 1.18)	0.526	0.897	NA	NA	NA
FinnGen Olink	CD200R1	rs57891445	-0.020	0.032	0.98 (0.92, 1.04)	0.530	0.897	NA	NA	NA
FinnGen Olink	SUSD2	rs117447789	-0.036	0.058	0.96 (0.86, 1.08)	0.532	0.897	NA	NA	NA
FinnGen Olink	CNPY4	rs77686669	-0.040	0.065	0.96 (0.85, 1.09)	0.534	0.897	NA	NA	NA
FinnGen Olink	CPA4	rs3807345	-0.030	0.048	0.97 (0.88, 1.07)	0.535	0.897	NA	NA	NA
FinnGen Olink	WFIKK2	rs7225465	-0.024	0.039	0.98 (0.91, 1.05)	0.538	0.897	NA	NA	NA
FinnGen Olink	DDC	rs11575549	-0.049	0.079	0.95 (0.82, 1.11)	0.538	0.897	NA	NA	NA
FinnGen Olink	SIGLEC9	rs2673908	0.022	0.035	1.02 (0.95, 1.10)	0.539	0.897	NA	NA	NA
FinnGen Olink	C1S	rs12146727	-0.030	0.049	0.97 (0.88, 1.07)	0.539	0.897	NA	NA	NA
FinnGen Olink	B3GNT7	rs2290130	0.020	0.032	1.02 (0.96, 1.09)	0.540	0.897	NA	NA	NA
FinnGen Olink	FCAMR	rs1683225	-0.039	0.063	0.96 (0.85, 1.09)	0.540	0.897	NA	NA	NA
FinnGen Olink	EDAR	rs6711767	-0.043	0.070	0.96 (0.83, 1.10)	0.545	0.897	NA	NA	NA
FinnGen Olink	KLK7	rs1654523	0.040	0.066	1.04 (0.91, 1.18)	0.548	0.897	NA	NA	NA
FinnGen Olink	CDHR5	rs7932167	-0.025	0.041	0.98 (0.90, 1.06)	0.550	0.897	NA	NA	NA
FinnGen Olink	GIMAP7	rs3735080	-0.029	0.049	0.97 (0.88, 1.07)	0.551	0.897	NA	NA	NA
FinnGen Olink	RNASET2	rs3756838	-0.044	0.073	0.96 (0.83, 1.10)	0.551	0.897	NA	NA	NA

FinnGen Olink	FCRL6	rs6656979	-0.019	0.033	0.98 (0.92, 1.05)	0.552	0.897	NA	NA	NA
FinnGen Olink	MMP10	rs11225415	-0.038	0.065	0.96 (0.85, 1.09)	0.554	0.897	NA	NA	NA
FinnGen Olink	FCRLB	rs61801180	-0.028	0.047	0.97 (0.89, 1.07)	0.556	0.897	NA	NA	NA
FinnGen Olink	TNFRSF13C	rs5996077	0.027	0.047	1.03 (0.94, 1.13)	0.556	0.897	NA	NA	NA
FinnGen Olink	HBQ1	rs1005364	0.035	0.059	1.04 (0.92, 1.16)	0.556	0.897	NA	NA	NA
FinnGen Olink	KLRD1	rs12303914	-0.032	0.055	0.97 (0.87, 1.08)	0.559	0.897	NA	NA	NA
FinnGen Olink	THOP1	rs759073	0.058	0.099	1.06 (0.87, 1.29)	0.559	0.897	NA	NA	NA
FinnGen Olink	ADAM23	rs72933203	0.027	0.047	1.03 (0.94, 1.13)	0.561	0.897	NA	NA	NA
FinnGen Olink	SDK2	rs11655934	-0.030	0.051	0.97 (0.88, 1.07)	0.561	0.897	NA	NA	NA
FinnGen Olink	NRP1	rs2474714	-0.033	0.056	0.97 (0.87, 1.08)	0.562	0.897	NA	NA	NA
FinnGen Olink	CD80	rs12494369	-0.032	0.056	0.97 (0.87, 1.08)	0.563	0.897	NA	NA	NA
FinnGen Olink	VSNL1	rs67458277	-0.039	0.067	0.96 (0.84, 1.10)	0.568	0.897	NA	NA	NA
FinnGen Olink	CRYGD	rs12328374	-0.019	0.033	0.98 (0.92, 1.05)	0.570	0.897	NA	NA	NA
FinnGen Olink	SERPINA1	rs28929474	-0.045	0.080	0.96 (0.82, 1.12)	0.573	0.897	NA	NA	NA
FinnGen Olink	CLEC1A	rs113761130	0.061	0.107	1.06 (0.86, 1.31)	0.573	0.897	NA	NA	NA
FinnGen Olink	IL7R	rs11567694	0.018	0.032	1.02 (0.96, 1.08)	0.574	0.897	NA	NA	NA
FinnGen Olink	ADAM8	rs2995314	-0.028	0.050	0.97 (0.88, 1.07)	0.574	0.897	NA	NA	NA
FinnGen Olink	FAM171B	rs11891461	0.030	0.053	1.03 (0.93, 1.14)	0.575	0.897	NA	NA	NA
FinnGen Olink	IL4R	rs12927172	-0.040	0.071	0.96 (0.84, 1.11)	0.576	0.897	NA	NA	NA
FinnGen Olink	PLG	rs12212146	0.050	0.089	1.05 (0.88, 1.25)	0.577	0.897	NA	NA	NA
FinnGen Olink	CNTN2	rs3820337	-0.018	0.032	0.98 (0.92, 1.05)	0.579	0.897	NA	NA	NA
FinnGen Olink	ENPP6	rs78293932	-0.044	0.079	0.96 (0.82, 1.12)	0.582	0.899	NA	NA	NA
FinnGen Olink	LY75	rs3792198	0.014	0.026	1.01 (0.96, 1.07)	0.585	0.901	NA	NA	NA
FinnGen Olink	CFB	rs2507953	0.032	0.059	1.03 (0.92, 1.16)	0.589	0.904	NA	NA	NA
FinnGen Olink	ACP6	rs2153463	0.015	0.028	1.02 (0.96, 1.07)	0.591	0.904	NA	NA	NA
FinnGen Olink	CDNF	rs61738953	0.053	0.099	1.05 (0.87, 1.28)	0.591	0.904	NA	NA	NA
FinnGen Olink	ACE	rs4362	0.017	0.031	1.02 (0.96, 1.08)	0.595	0.907	NA	NA	NA
FinnGen Olink	CD177	rs73554000	-0.048	0.093	0.95 (0.79, 1.14)	0.604	0.918	NA	NA	NA
FinnGen Olink	EPS8L2	rs73407148	-0.039	0.076	0.96 (0.83, 1.12)	0.606	0.919	NA	NA	NA
FinnGen Olink	MATN3	rs11694716	-0.021	0.041	0.98 (0.90, 1.06)	0.608	0.919	NA	NA	NA
FinnGen Olink	TNFRSF10C	rs7009522	0.044	0.087	1.05 (0.88, 1.24)	0.611	0.921	NA	NA	NA
FinnGen Olink	HAVCR1	rs6555820	0.022	0.043	1.02 (0.94, 1.11)	0.613	0.921	NA	NA	NA
FinnGen Olink	HSD17B14	rs35299026	0.021	0.041	1.02 (0.94, 1.11)	0.614	0.921	NA	NA	NA

FinnGen Olink	SLAMF8	rs34687326	0.018	0.037	1.02 (0.95, 1.10)	0.621	0.921	NA	NA	NA
FinnGen Olink	COL28A1	rs6463698	-0.018	0.036	0.98 (0.92, 1.05)	0.623	0.921	NA	NA	NA
FinnGen Olink	CPA2	rs10257530	0.041	0.084	1.04 (0.88, 1.23)	0.623	0.921	NA	NA	NA
FinnGen Olink	TNXB	rs4151664	0.019	0.038	1.02 (0.95, 1.10)	0.624	0.921	NA	NA	NA
FinnGen Olink	C8B	rs607268	0.026	0.054	1.03 (0.92, 1.14)	0.624	0.921	NA	NA	NA
FinnGen Olink	KLK13	rs2569459	0.024	0.050	1.02 (0.93, 1.13)	0.625	0.921	NA	NA	NA
FinnGen Olink	AMN	rs2295829	-0.019	0.039	0.98 (0.91, 1.06)	0.626	0.921	NA	NA	NA
FinnGen Olink	SERPINA12	rs17091005	-0.018	0.038	0.98 (0.91, 1.06)	0.629	0.921	NA	NA	NA
FinnGen Olink	CES1	rs28423062	-0.034	0.071	0.97 (0.84, 1.11)	0.630	0.921	NA	NA	NA
FinnGen Olink	APOE	rs429358	-0.015	0.031	0.99 (0.93, 1.05)	0.631	0.921	NA	NA	NA
FinnGen Olink	WASHC3	rs10860848	0.032	0.066	1.03 (0.91, 1.17)	0.632	0.921	NA	NA	NA
FinnGen Olink	FGFR4	rs351855	0.013	0.028	1.01 (0.96, 1.07)	0.636	0.924	NA	NA	NA
FinnGen Olink	SAT2	rs11078700	0.029	0.063	1.03 (0.91, 1.17)	0.640	0.927	NA	NA	NA
FinnGen Olink	NAPRT	rs9657360	-0.036	0.079	0.96 (0.83, 1.13)	0.645	0.933	NA	NA	NA
FinnGen Olink	KLB	rs6854452	0.016	0.035	1.02 (0.95, 1.09)	0.651	0.937	NA	NA	NA
FinnGen Olink	AOC3	rs35296742	0.019	0.043	1.02 (0.94, 1.11)	0.654	0.937	NA	NA	NA
FinnGen Olink	HRG	rs2689197	-0.028	0.062	0.97 (0.86, 1.10)	0.655	0.937	NA	NA	NA
FinnGen Olink	GLIPR1	rs2242435	0.034	0.076	1.03 (0.89, 1.20)	0.655	0.937	NA	NA	NA
FinnGen Olink	MSLN	rs67623411	-0.021	0.048	0.98 (0.89, 1.07)	0.656	0.937	NA	NA	NA
FinnGen Olink	CD274	rs7041009	-0.024	0.055	0.98 (0.88, 1.09)	0.662	0.942	NA	NA	NA
FinnGen Olink	TLR3	rs3775291	0.011	0.026	1.01 (0.96, 1.06)	0.663	0.942	NA	NA	NA
FinnGen Olink	CDH15	rs75531100	-0.038	0.089	0.96 (0.81, 1.14)	0.665	0.942	NA	NA	NA
FinnGen Olink	SIGLEC5	rs113349196	0.016	0.037	1.02 (0.94, 1.09)	0.668	0.942	NA	NA	NA
FinnGen Olink	GPC5	rs342702	-0.016	0.037	0.98 (0.92, 1.06)	0.671	0.942	NA	NA	NA
FinnGen Olink	CD209	rs4804224	-0.030	0.071	0.97 (0.84, 1.12)	0.671	0.942	NA	NA	NA
FinnGen Olink	CLEC4M	rs4804224	-0.031	0.074	0.97 (0.84, 1.12)	0.671	0.942	NA	NA	NA
FinnGen Olink	INHBB	rs17050272	-0.023	0.055	0.98 (0.88, 1.09)	0.677	0.944	NA	NA	NA
FinnGen Olink	GZMB	rs8192919	0.031	0.076	1.03 (0.89, 1.20)	0.680	0.944	NA	NA	NA
FinnGen Olink	MR11	rs62111897	-0.035	0.085	0.97 (0.82, 1.14)	0.682	0.944	NA	NA	NA
FinnGen Olink	IL1RL2	rs12474258	-0.020	0.050	0.98 (0.89, 1.08)	0.684	0.944	NA	NA	NA
FinnGen Olink	HMCN2	rs143378550	-0.026	0.063	0.97 (0.86, 1.10)	0.684	0.944	NA	NA	NA
FinnGen Olink	NPTX1	rs4889782	-0.029	0.071	0.97 (0.85, 1.12)	0.685	0.944	NA	NA	NA
FinnGen Olink	CHGB	rs236152	0.018	0.044	1.02 (0.93, 1.11)	0.688	0.944	NA	NA	NA

FinnGen Olink	TNR	rs2235256	-0.023	0.059	0.98 (0.87, 1.10)	0.690	0.944	NA	NA	NA
FinnGen Olink	GGT5	rs56026765	0.050	0.125	1.05 (0.82, 1.34)	0.690	0.944	NA	NA	NA
FinnGen Olink	CNTN5	rs1381332	0.029	0.074	1.03 (0.89, 1.19)	0.698	0.944	NA	NA	NA
FinnGen Olink	HYAL1	rs28763896	-0.033	0.085	0.97 (0.82, 1.14)	0.699	0.944	NA	NA	NA
FinnGen Olink	IL15RA	rs36055263	-0.028	0.073	0.97 (0.84, 1.12)	0.700	0.944	NA	NA	NA
FinnGen Olink	CRTAM	rs2370794	-0.029	0.074	0.97 (0.84, 1.12)	0.701	0.944	NA	NA	NA
FinnGen Olink	CDA	rs2072671	-0.016	0.042	0.98 (0.91, 1.07)	0.706	0.944	NA	NA	NA
FinnGen Olink	CD48	rs2295615	0.017	0.046	1.02 (0.93, 1.11)	0.706	0.944	NA	NA	NA
FinnGen Olink	MLN	rs72880511	0.021	0.056	1.02 (0.91, 1.14)	0.708	0.944	NA	NA	NA
FinnGen Olink	PDE5A	rs10434028	-0.029	0.078	0.97 (0.83, 1.13)	0.708	0.944	NA	NA	NA
FinnGen Olink	CRHBP	rs10447163	0.018	0.048	1.02 (0.93, 1.12)	0.710	0.944	NA	NA	NA
FinnGen Olink	MCFD2	rs6419615	-0.026	0.071	0.97 (0.85, 1.12)	0.711	0.944	NA	NA	NA
FinnGen Olink	SHMT1	rs681998	-0.022	0.061	0.98 (0.87, 1.10)	0.714	0.944	NA	NA	NA
FinnGen Olink	VEGFA	rs6921438	0.020	0.056	1.02 (0.91, 1.14)	0.722	0.944	NA	NA	NA
FinnGen Olink	HPGDS	rs72665697	0.022	0.063	1.02 (0.90, 1.16)	0.722	0.944	NA	NA	NA
FinnGen Olink	TACSTD2	rs525929	0.013	0.037	1.01 (0.94, 1.09)	0.724	0.944	NA	NA	NA
FinnGen Olink	SERPINA9	rs67708903	0.018	0.051	1.02 (0.92, 1.13)	0.724	0.944	NA	NA	NA
FinnGen Olink	SPRR3	rs1970328	0.021	0.060	1.02 (0.91, 1.15)	0.724	0.944	NA	NA	NA
FinnGen Olink	SERPING1	rs28362944	-0.035	0.098	0.97 (0.80, 1.17)	0.724	0.944	NA	NA	NA
FinnGen Olink	LEFTY2	rs360058	0.011	0.031	1.01 (0.95, 1.07)	0.725	0.944	NA	NA	NA
FinnGen Olink	VSTM1	rs2433724	-0.014	0.038	0.99 (0.91, 1.06)	0.725	0.944	NA	NA	NA
FinnGen Olink	ACHE	rs314368	-0.022	0.063	0.98 (0.87, 1.11)	0.727	0.944	NA	NA	NA
FinnGen Olink	LCN15	rs10870122	0.013	0.039	1.01 (0.94, 1.09)	0.730	0.944	NA	NA	NA
FinnGen Olink	IL1RAP	rs11927365	0.009	0.026	1.01 (0.96, 1.06)	0.735	0.944	NA	NA	NA
FinnGen Olink	IMPA1	rs2142316	-0.027	0.079	0.97 (0.83, 1.14)	0.738	0.944	NA	NA	NA
FinnGen Olink	ENPP2	rs13267597	0.021	0.063	1.02 (0.90, 1.16)	0.742	0.944	NA	NA	NA
FinnGen Olink	SLAMF7	rs11581248	0.013	0.039	1.01 (0.94, 1.09)	0.743	0.944	NA	NA	NA
FinnGen Olink	TIMP4	rs454615	-0.018	0.056	0.98 (0.88, 1.10)	0.744	0.944	NA	NA	NA
FinnGen Olink	LGALS8	rs819414	0.010	0.031	1.01 (0.95, 1.07)	0.747	0.944	NA	NA	NA
FinnGen Olink	TNFRSF11A	rs56051253	0.020	0.061	1.02 (0.90, 1.15)	0.747	0.944	NA	NA	NA
FinnGen Olink	CCL18	rs2015086	-0.013	0.040	0.99 (0.91, 1.07)	0.749	0.944	NA	NA	NA
FinnGen Olink	CLEC7A	rs16910526	-0.009	0.030	0.99 (0.93, 1.05)	0.750	0.944	NA	NA	NA
FinnGen Olink	NPHS1	rs71354106	-0.026	0.080	0.97 (0.83, 1.14)	0.750	0.944	NA	NA	NA

FinnGen Olink	FUT8	rs117015812	0.042	0.133	1.04 (0.80, 1.35)	0.750	0.944	NA	NA	NA
FinnGen Olink	LBP	rs2232613	-0.014	0.046	0.99 (0.90, 1.08)	0.752	0.944	NA	NA	NA
FinnGen Olink	INHBC	rs4760355	-0.012	0.040	0.99 (0.91, 1.07)	0.755	0.944	NA	NA	NA
FinnGen Olink	GHR	rs7447061	0.017	0.053	1.02 (0.92, 1.13)	0.755	0.944	NA	NA	NA
FinnGen Olink	FGFBP3	rs10881996	0.019	0.059	1.02 (0.91, 1.14)	0.755	0.944	NA	NA	NA
FinnGen Olink	ANG	rs17114699	-0.015	0.049	0.98 (0.89, 1.08)	0.756	0.944	NA	NA	NA
FinnGen Olink	BTD	rs13078881	0.013	0.043	1.01 (0.93, 1.10)	0.759	0.944	NA	NA	NA
FinnGen Olink	MEP1B	rs680321	0.007	0.024	1.01 (0.96, 1.05)	0.762	0.944	NA	NA	NA
FinnGen Olink	SIGLEC10	rs148783636	-0.030	0.098	0.97 (0.80, 1.18)	0.762	0.944	NA	NA	NA
FinnGen Olink	LRP11	rs9688750	0.013	0.043	1.01 (0.93, 1.10)	0.764	0.944	NA	NA	NA
FinnGen Olink	IFI30	rs73001407	-0.013	0.044	0.99 (0.90, 1.08)	0.765	0.944	NA	NA	NA
FinnGen Olink	CRELD1	rs812420	0.014	0.046	1.01 (0.93, 1.11)	0.765	0.944	NA	NA	NA
FinnGen Olink	CCL24	rs7799486	-0.010	0.032	0.99 (0.93, 1.06)	0.766	0.944	NA	NA	NA
FinnGen Olink	SSC5D	rs8103017	-0.015	0.051	0.99 (0.89, 1.09)	0.766	0.944	NA	NA	NA
FinnGen Olink	VNN2	rs9493423	-0.011	0.037	0.99 (0.92, 1.06)	0.767	0.944	NA	NA	NA
FinnGen Olink	APOBR	rs149271	0.007	0.023	1.01 (0.96, 1.05)	0.771	0.944	NA	NA	NA
FinnGen Olink	F11	rs4253416	-0.015	0.053	0.98 (0.89, 1.09)	0.771	0.944	NA	NA	NA
FinnGen Olink	CCL14	rs56368570	-0.015	0.053	0.98 (0.89, 1.09)	0.771	0.944	NA	NA	NA
FinnGen Olink	IL16	rs4778639	-0.012	0.040	0.99 (0.91, 1.07)	0.772	0.944	NA	NA	NA
FinnGen Olink	HLA-E	rs9501519	0.023	0.080	1.02 (0.87, 1.20)	0.776	0.945	NA	NA	NA
FinnGen Olink	OBP2B	rs11789393	-0.011	0.039	0.99 (0.92, 1.07)	0.779	0.945	NA	NA	NA
FinnGen Olink	SCARA5	rs1320379	0.023	0.083	1.02 (0.87, 1.21)	0.779	0.945	NA	NA	NA
FinnGen Olink	HJV	rs75466623	-0.034	0.123	0.97 (0.76, 1.23)	0.780	0.945	NA	NA	NA
FinnGen Olink	VSIG10	rs7307331	-0.009	0.031	0.99 (0.93, 1.05)	0.782	0.945	NA	NA	NA
FinnGen Olink	ITIH3	rs2019065	0.021	0.075	1.02 (0.88, 1.18)	0.782	0.945	NA	NA	NA
FinnGen Olink	LIPF	rs303509	-0.020	0.074	0.98 (0.85, 1.13)	0.789	0.950	NA	NA	NA
FinnGen Olink	ANGPTL1	rs871632	-0.019	0.074	0.98 (0.85, 1.13)	0.797	0.956	NA	NA	NA
FinnGen Olink	SPINK6	rs6868569	-0.015	0.059	0.99 (0.88, 1.11)	0.798	0.956	NA	NA	NA
FinnGen Olink	GALNT5	rs11899353	0.014	0.056	1.01 (0.91, 1.13)	0.799	0.956	NA	NA	NA
FinnGen Olink	ADGRB3	rs3798969	0.007	0.028	1.01 (0.95, 1.06)	0.800	0.956	NA	NA	NA
FinnGen Olink	LGALS9	rs4239242	-0.014	0.056	0.99 (0.88, 1.10)	0.803	0.957	NA	NA	NA
FinnGen Olink	SCARF1	rs2272011	0.009	0.039	1.01 (0.94, 1.09)	0.813	0.966	NA	NA	NA
FinnGen Olink	ISLR2	rs409856	-0.019	0.081	0.98 (0.84, 1.15)	0.814	0.966	NA	NA	NA

FinnGen Olink	ITIH1	rs678	-0.018	0.077	0.98 (0.84, 1.14)	0.818	0.966	NA	NA	NA
FinnGen Olink	F12	rs1801020	0.006	0.027	1.01 (0.95, 1.06)	0.819	0.966	NA	NA	NA
FinnGen Olink	EPHA1	rs10952549	-0.018	0.077	0.98 (0.84, 1.14)	0.819	0.966	NA	NA	NA
FinnGen Olink	PTPRB	rs1867005	-0.014	0.061	0.99 (0.87, 1.11)	0.821	0.966	NA	NA	NA
FinnGen Olink	CRELD2	rs74510325	0.012	0.053	1.01 (0.91, 1.12)	0.824	0.967	NA	NA	NA
FinnGen Olink	KAZALD1	rs11190812	-0.011	0.050	0.99 (0.90, 1.09)	0.825	0.967	NA	NA	NA
FinnGen Olink	IL12B	rs4921484	0.011	0.049	1.01 (0.92, 1.11)	0.830	0.970	NA	NA	NA
FinnGen Olink	OXT	rs877172	-0.010	0.046	0.99 (0.90, 1.08)	0.831	0.970	NA	NA	NA
FinnGen Olink	CTSB	rs1293316	-0.009	0.043	0.99 (0.91, 1.08)	0.833	0.971	NA	NA	NA
FinnGen Olink	TYMP	rs361725	0.012	0.056	1.01 (0.91, 1.13)	0.839	0.973	NA	NA	NA
FinnGen Olink	MSMB	rs10993994	-0.005	0.027	0.99 (0.94, 1.05)	0.840	0.973	NA	NA	NA
FinnGen Olink	KLK4	rs77569647	0.013	0.064	1.01 (0.89, 1.15)	0.844	0.973	NA	NA	NA
FinnGen Olink	RARRES1	rs6441224	-0.012	0.059	0.99 (0.88, 1.11)	0.845	0.973	NA	NA	NA
FinnGen Olink	CFH	rs12134598	0.012	0.062	1.01 (0.90, 1.14)	0.845	0.973	NA	NA	NA
FinnGen Olink	UMOD	rs77924615	-0.007	0.036	0.99 (0.93, 1.07)	0.847	0.973	NA	NA	NA
FinnGen Olink	SIRPA	rs6045331	-0.004	0.023	1.00 (0.95, 1.04)	0.849	0.973	NA	NA	NA
FinnGen Olink	CEACAM16	rs75741581	-0.020	0.104	0.98 (0.80, 1.20)	0.849	0.973	NA	NA	NA
FinnGen Olink	CXCL6	rs111903579	0.015	0.081	1.01 (0.87, 1.19)	0.855	0.973	NA	NA	NA
FinnGen Olink	CLEC4D	rs4486677	-0.010	0.056	0.99 (0.89, 1.10)	0.857	0.973	NA	NA	NA
FinnGen Olink	B4GALT1	rs76516155	0.014	0.077	1.01 (0.87, 1.18)	0.857	0.973	NA	NA	NA
FinnGen Olink	CFHR5	rs72732234	0.019	0.107	1.02 (0.83, 1.26)	0.858	0.973	NA	NA	NA
FinnGen Olink	EVI5	rs35699160	0.012	0.069	1.01 (0.88, 1.16)	0.860	0.973	NA	NA	NA
FinnGen Olink	PI16	rs62406524	-0.015	0.084	0.99 (0.84, 1.16)	0.861	0.973	NA	NA	NA
FinnGen Olink	PDGFRB	rs3816018	-0.004	0.022	1.00 (0.96, 1.04)	0.862	0.973	NA	NA	NA
FinnGen Olink	IFNLR1	rs139958347	0.016	0.095	1.02 (0.84, 1.22)	0.863	0.973	NA	NA	NA
FinnGen Olink	TFF1	rs3761376	-0.009	0.057	0.99 (0.89, 1.11)	0.869	0.978	NA	NA	NA
FinnGen Olink	AHSG	rs7635884	0.005	0.030	1.00 (0.95, 1.07)	0.874	0.982	NA	NA	NA
FinnGen Olink	PLTP	rs6065904	0.009	0.060	1.01 (0.90, 1.14)	0.884	0.985	NA	NA	NA
FinnGen Olink	CD109	rs2164755	-0.004	0.026	1.00 (0.95, 1.05)	0.886	0.985	NA	NA	NA
FinnGen Olink	IGF2R	rs2282140	-0.009	0.066	0.99 (0.87, 1.13)	0.888	0.985	NA	NA	NA
FinnGen Olink	PGLYRP2	rs919791	0.003	0.028	1.00 (0.95, 1.06)	0.903	0.985	NA	NA	NA
FinnGen Olink	HDDC2	rs9491344	-0.006	0.047	0.99 (0.91, 1.09)	0.903	0.985	NA	NA	NA
FinnGen Olink	CD38	rs10003282	-0.007	0.059	0.99 (0.89, 1.11)	0.903	0.985	NA	NA	NA

FinnGen Olink	B4GAT1	rs580241	-0.010	0.080	0.99 (0.85, 1.16)	0.903	0.985	NA	NA	NA
FinnGen Olink	APOH	rs76452927	-0.007	0.061	0.99 (0.88, 1.12)	0.904	0.985	NA	NA	NA
FinnGen Olink	CLEC5A	rs1285956	-0.007	0.057	0.99 (0.89, 1.11)	0.905	0.985	NA	NA	NA
FinnGen Olink	AIF1L	rs1109471	0.008	0.067	1.01 (0.88, 1.15)	0.905	0.985	NA	NA	NA
FinnGen Olink	TGFB1	rs56254331	-0.011	0.091	0.99 (0.83, 1.18)	0.906	0.985	NA	NA	NA
FinnGen Olink	TREH	rs692750	-0.003	0.027	1.00 (0.95, 1.05)	0.907	0.985	NA	NA	NA
FinnGen Olink	TCN1	rs34324219	0.006	0.050	1.01 (0.91, 1.11)	0.908	0.985	NA	NA	NA
FinnGen Olink	REG3G	rs369967	0.007	0.059	1.01 (0.90, 1.13)	0.908	0.985	NA	NA	NA
FinnGen Olink	BPIFB1	rs2424961	-0.006	0.053	0.99 (0.90, 1.10)	0.909	0.985	NA	NA	NA
FinnGen Olink	ROR1	rs6686041	-0.007	0.065	0.99 (0.87, 1.13)	0.909	0.985	NA	NA	NA
FinnGen Olink	TIMP3	rs4821097	-0.008	0.069	0.99 (0.87, 1.14)	0.913	0.985	NA	NA	NA
FinnGen Olink	SFTPD	rs721917	-0.004	0.038	1.00 (0.92, 1.07)	0.914	0.985	NA	NA	NA
FinnGen Olink	SFPA2	rs17886395	0.005	0.051	1.01 (0.91, 1.11)	0.916	0.985	NA	NA	NA
FinnGen Olink	FCN2	rs7041446	0.004	0.035	1.00 (0.94, 1.07)	0.917	0.985	NA	NA	NA
FinnGen Olink	BST1	rs2302465	-0.003	0.028	1.00 (0.94, 1.05)	0.918	0.985	NA	NA	NA
FinnGen Olink	SMPDL3A	rs13192569	0.004	0.036	1.00 (0.94, 1.08)	0.918	0.985	NA	NA	NA
FinnGen Olink	HSPA1A	rs6457452	0.006	0.055	1.01 (0.90, 1.12)	0.919	0.985	NA	NA	NA
FinnGen Olink	HSBP1	rs60658779	0.008	0.081	1.01 (0.86, 1.18)	0.919	0.985	NA	NA	NA
FinnGen Olink	KLK10	rs2569454	0.004	0.039	1.00 (0.93, 1.08)	0.920	0.985	NA	NA	NA
FinnGen Olink	CTSC	rs11019400	0.004	0.037	1.00 (0.93, 1.08)	0.924	0.985	NA	NA	NA
FinnGen Olink	SERPINA4	rs5511	0.006	0.066	1.01 (0.88, 1.14)	0.924	0.985	NA	NA	NA
FinnGen Olink	LILRA2	rs6509887	-0.004	0.038	1.00 (0.92, 1.07)	0.926	0.985	NA	NA	NA
FinnGen Olink	FAM3B	rs67443586	0.003	0.039	1.00 (0.93, 1.08)	0.929	0.987	NA	NA	NA
FinnGen Olink	NUDT16	rs148021771	0.006	0.077	1.01 (0.87, 1.17)	0.936	0.993	NA	NA	NA
FinnGen Olink	TNFRSF10A	rs13278062	-0.006	0.078	0.99 (0.85, 1.16)	0.942	0.995	NA	NA	NA
FinnGen Olink	ACVRL1	rs10431538	-0.004	0.062	1.00 (0.88, 1.12)	0.943	0.995	NA	NA	NA
FinnGen Olink	PLB1	rs6753929	-0.002	0.035	1.00 (0.93, 1.07)	0.947	0.995	NA	NA	NA
FinnGen Olink	PTPRH	rs2288523	0.003	0.040	1.00 (0.93, 1.08)	0.948	0.995	NA	NA	NA
FinnGen Olink	TXNDC15	rs3733897	-0.002	0.034	1.00 (0.93, 1.07)	0.950	0.995	NA	NA	NA
FinnGen Olink	IL34	rs4985556	0.003	0.045	1.00 (0.92, 1.09)	0.951	0.995	NA	NA	NA
FinnGen Olink	C9	rs16868770	0.005	0.084	1.01 (0.85, 1.19)	0.952	0.995	NA	NA	NA
FinnGen Olink	ACP5	rs2305799	0.005	0.087	1.01 (0.85, 1.19)	0.952	0.995	NA	NA	NA
FinnGen Olink	PGD	rs72867433	0.006	0.108	1.01 (0.81, 1.24)	0.958	0.995	NA	NA	NA

FinnGen Olink	ECHDC3	rs35986488	0.002	0.047	1.00 (0.91, 1.10)	0.960	0.995	NA	NA	NA
FinnGen Olink	CXCL5	rs2437285	-0.004	0.074	1.00 (0.86, 1.15)	0.960	0.995	NA	NA	NA
FinnGen Olink	C1QA	rs158760	-0.003	0.073	1.00 (0.86, 1.15)	0.969	0.995	NA	NA	NA
FinnGen Olink	RBP7	rs1628143	0.002	0.065	1.00 (0.88, 1.14)	0.971	0.995	NA	NA	NA
FinnGen Olink	GFRAL	rs4715541	0.003	0.077	1.00 (0.86, 1.17)	0.971	0.995	NA	NA	NA
FinnGen Olink	LILRA6	rs11668526	-0.001	0.034	1.00 (0.94, 1.07)	0.974	0.995	NA	NA	NA
FinnGen Olink	NUDT2	rs34722487	0.002	0.074	1.00 (0.87, 1.16)	0.974	0.995	NA	NA	NA
FinnGen Olink	IDUA	rs4690163	-0.001	0.047	1.00 (0.91, 1.10)	0.976	0.995	NA	NA	NA
FinnGen Olink	ITGA2	rs181769	0.001	0.039	1.00 (0.93, 1.08)	0.979	0.995	NA	NA	NA
FinnGen Olink	TYRO3	rs8025212	-0.001	0.047	1.00 (0.91, 1.09)	0.980	0.995	NA	NA	NA
FinnGen Olink	PEPD	rs13343443	-0.001	0.063	1.00 (0.88, 1.13)	0.981	0.995	NA	NA	NA
FinnGen Olink	FBN2	rs112712355	-0.002	0.078	1.00 (0.86, 1.16)	0.982	0.995	NA	NA	NA
FinnGen Olink	MOCS2	rs116368818	0.001	0.070	1.00 (0.87, 1.15)	0.983	0.995	NA	NA	NA
FinnGen Olink	GSTT2B	rs5751777	4.67E-04	0.024	1.00 (0.96, 1.05)	0.984	0.995	NA	NA	NA
FinnGen Olink	AMPD3	rs117706710	-0.002	0.095	1.00 (0.83, 1.20)	0.985	0.995	NA	NA	NA
FinnGen Olink	CLPS	rs9380535	-0.001	0.042	1.00 (0.92, 1.09)	0.987	0.995	NA	NA	NA
FinnGen Olink	PVR	rs10419829	0.001	0.036	1.00 (0.93, 1.07)	0.989	0.995	NA	NA	NA
FinnGen Olink	SUMF2	rs35384521	0.001	0.078	1.00 (0.86, 1.17)	0.989	0.995	NA	NA	NA
FinnGen Olink	MDGA1	rs9349050	-2.80E-04	0.023	1.00 (0.96, 1.05)	0.990	0.995	NA	NA	NA
FinnGen Olink	KDR	rs34231037	-0.001	0.090	1.00 (0.84, 1.19)	0.990	0.995	NA	NA	NA
FinnGen Olink	CLEC10A	rs90951	-0.001	0.061	1.00 (0.89, 1.13)	0.991	0.995	NA	NA	NA
FinnGen Olink	KLK12	rs3745540	-1.79E-04	0.023	1.00 (0.96, 1.05)	0.994	0.996	NA	NA	NA
FinnGen Olink	CD7	rs3176831	-9.27E-05	0.067	1.00 (0.88, 1.14)	0.999	0.999	NA	NA	NA
Fenland	MMP12	rs17368814	-0.248	0.054	0.78 (0.70, 0.87)	4.04E-06	0.005	0.814	20	46.5%
Fenland	GUK1	rs10495278	0.286	0.088	1.33 (1.12, 1.58)	0.001	0.317	0.789	20	65.2%
Fenland	CCNH	rs62368956	-0.611	0.189	0.54 (0.38, 0.79)	0.001	0.317	0.442	20	70.3%
Fenland	ESAM	rs12792040	-0.279	0.085	0.76 (0.64, 0.89)	0.001	0.317	0.137	20	70.9%
Fenland	TBCB	rs2231569	1.058	0.326	2.88 (1.52, 5.46)	0.001	0.317	0.498	20	78.1%
Fenland	MMP13	rs478927	0.816	0.258	2.26 (1.36, 3.75)	0.002	0.339	0.674	20	0.8%
Fenland	MIA	rs2233159	0.074	0.035	1.08 (1.01, 1.15)	0.032	0.677	NA	NA	1.4%
Fenland	LEPR	rs10399687	0.053	0.023	1.05 (1.01, 1.10)	0.024	0.677	0.557	20	3.0%
Fenland	B4GALT6	rs113222817	-0.152	0.068	0.86 (0.75, 0.98)	0.025	0.677	0.815	20	7.3%
Fenland	SIGLEC1	rs181210490	-0.674	0.287	0.51 (0.29, 0.90)	0.019	0.677	NA	NA	8.0%

Fenland	MMP9	rs6094237	-0.559	0.248	0.57 (0.35, 0.93)	0.024	0.677	0.524	20	8.2%
Fenland	GC	rs7697091	-0.365	0.166	0.69 (0.50, 0.96)	0.028	0.677	0.637	20	8.3%
Fenland	DAPK2	rs4436737	0.167	0.075	1.18 (1.02, 1.37)	0.025	0.677	0.736	20	8.3%
Fenland	ULK3	rs2290574	0.336	0.156	1.40 (1.03, 1.90)	0.031	0.677	0.954	20	9.1%
Fenland	FCRL3	rs7522061	0.067	0.031	1.07 (1.01, 1.14)	0.031	0.677	0.191	20	9.5%
Fenland	CCL22	rs170364	-0.323	0.147	0.72 (0.54, 0.97)	0.028	0.677	0.938	20	9.7%
Fenland	PRDX3	rs7894367	0.580	0.252	1.79 (1.09, 2.93)	0.021	0.677	0.293	20	10.0%
Fenland	KIAA2013	rs926270	0.419	0.191	1.52 (1.05, 2.21)	0.028	0.677	0.413	20	10.0%
Fenland	CNTN4	rs163352	0.222	0.099	1.25 (1.03, 1.51)	0.024	0.677	0.666	20	10.7%
Fenland	ICAM5	rs281439	-0.095	0.042	0.91 (0.84, 0.99)	0.024	0.677	0.080	20	10.8%
Fenland	GPNMB	rs1881203	0.199	0.087	1.22 (1.03, 1.45)	0.022	0.677	0.619	20	10.9%
Fenland	PIANP	rs11064321	0.593	0.267	1.81 (1.07, 3.05)	0.026	0.677	0.563	20	11.1%
Fenland	PIANP	rs11064321	0.607	0.273	1.84 (1.07, 3.13)	0.026	0.677	0.575	20	11.2%
Fenland	NRXN3	rs10141828	-0.451	0.192	0.64 (0.44, 0.93)	0.019	0.677	0.233	20	11.3%
Fenland	GAA	rs2304849	0.107	0.048	1.11 (1.01, 1.22)	0.026	0.677	0.451	20	11.8%
Fenland	PILRA	rs1859788	-0.049	0.023	0.95 (0.91, 1.00)	0.032	0.677	0.506	20	12.2%
Fenland	THG1L	rs2270812	-0.153	0.070	0.86 (0.75, 0.98)	0.028	0.677	0.447	20	12.5%
Fenland	TMEM106B	rs5011434	-0.266	0.113	0.77 (0.61, 0.96)	0.019	0.677	0.039	20	13.4%
Fenland	SELPLG	rs73191242	-0.297	0.134	0.74 (0.57, 0.97)	0.027	0.677	0.095	20	13.6%
Fenland	GAS6	rs6602909	-0.250	0.110	0.78 (0.63, 0.97)	0.023	0.677	0.770	20	14.0%
Fenland	PCBD1	rs55763022	-0.478	0.221	0.62 (0.40, 0.96)	0.030	0.677	0.309	20	14.1%
Fenland	LAMC2	rs2276543	0.110	0.048	1.12 (1.02, 1.23)	0.021	0.677	0.102	20	14.2%
Fenland	RTN4R	rs175206	0.192	0.086	1.21 (1.02, 1.43)	0.025	0.677	0.086	20	14.3%
Fenland	ITPA	rs1127354	0.074	0.034	1.08 (1.01, 1.15)	0.032	0.677	0.101	20	14.4%
Fenland	NEO1	rs62016793	-0.266	0.121	0.77 (0.60, 0.97)	0.028	0.677	0.034	20	14.7%
Fenland	LRIG1	rs2306272	0.085	0.036	1.09 (1.01, 1.17)	0.019	0.677	0.117	20	15.7%
Fenland	CAT	rs769218	-0.220	0.102	0.80 (0.66, 0.98)	0.031	0.677	0.115	20	15.8%
Fenland	IGFBP3	rs145188037	0.215	0.096	1.24 (1.03, 1.50)	0.025	0.677	0.334	20	16.6%
Fenland	TIRAP	rs7949566	0.286	0.120	1.33 (1.05, 1.68)	0.017	0.677	0.145	20	17.0%
Fenland	IL18R1	rs1573895	0.103	0.044	1.11 (1.02, 1.21)	0.021	0.677	0.917	20	17.0%
Fenland	NADK	rs4648629	-0.319	0.134	0.73 (0.56, 0.94)	0.017	0.677	0.292	20	17.6%
Fenland	CD5L	rs2765501	-0.167	0.066	0.85 (0.74, 0.96)	0.012	0.677	0.342	20	17.8%
Fenland	TNFAIP6	rs2278089	-0.200	0.078	0.82 (0.70, 0.95)	0.010	0.677	0.052	20	18.8%

Fenland	SECTM1	rs4789763	0.194	0.078	1.21 (1.04, 1.41)	0.013	0.677	0.006	20	19.1%
Fenland	NPTXR	rs74703065	0.157	0.071	1.17 (1.02, 1.34)	0.027	0.677	0.318	20	19.1%
Fenland	UROS	rs1935451	0.311	0.136	1.37 (1.05, 1.78)	0.022	0.677	0.998	20	19.2%
Fenland	FSTL1	rs1147707	-0.223	0.091	0.80 (0.67, 0.96)	0.014	0.677	0.622	20	19.5%
Fenland	TAPBP	rs3135408	-0.144	0.054	0.87 (0.78, 0.96)	0.008	0.677	0.844	20	19.8%
Fenland	ACOT13	rs11753290	-0.568	0.245	0.57 (0.35, 0.92)	0.020	0.677	0.658	20	20.2%
Fenland	CACYBP	rs61828152	0.256	0.112	1.29 (1.04, 1.61)	0.023	0.677	0.041	20	20.3%
Fenland	SULT1C2	rs7586308	-0.610	0.282	0.54 (0.31, 0.94)	0.031	0.677	0.041	20	20.4%
Fenland	TNFAIP3	rs59693083	0.246	0.103	1.28 (1.05, 1.56)	0.017	0.677	0.002	20	21.7%
Fenland	TCEA2	rs34848242	-0.232	0.090	0.79 (0.66, 0.95)	0.010	0.677	0.317	20	21.7%
Fenland	COL2A1	rs719008	-0.085	0.029	0.92 (0.87, 0.97)	0.004	0.677	0.811	20	26.2%
Fenland	HAVCR2	rs7442742	0.124	0.044	1.13 (1.04, 1.23)	0.005	0.677	0.675	20	27.8%
Fenland	NPPB	rs198379	-0.298	0.109	0.74 (0.60, 0.92)	0.006	0.677	0.549	20	29.5%
Fenland	REG3A	rs4459759	0.330	0.123	1.39 (1.09, 1.77)	0.007	0.677	0.409	20	30.2%
Fenland	FAM162A	rs7615673	-0.507	0.194	0.60 (0.41, 0.88)	0.009	0.677	0.895	20	33.1%
Fenland	HHIP	rs11727676	0.525	0.202	1.69 (1.14, 2.51)	0.009	0.677	0.076	20	38.2%
Fenland	PDK2	rs111564639	-0.498	0.186	0.61 (0.42, 0.88)	0.008	0.677	0.169	9	40.7%
Fenland	PKP2	rs9919823	0.641	0.242	1.90 (1.18, 3.05)	0.008	0.677	0.931	20	40.8%
Fenland	EGF	rs3822288	-0.810	0.295	0.44 (0.25, 0.79)	0.006	0.677	0.208	20	40.9%
Fenland	POR	rs59882870	-0.145	0.051	0.86 (0.78, 0.96)	0.004	0.677	0.043	20	44.6%
Fenland	SIRPG	rs6043409	-0.157	0.075	0.85 (0.74, 0.99)	0.036	0.685	0.811	20	7.5%
Fenland	CX3CL1	rs62037103	0.657	0.314	1.93 (1.04, 3.57)	0.036	0.685	0.001	20	7.8%
Fenland	ANGPT2	rs1968586	-0.558	0.262	0.57 (0.34, 0.96)	0.033	0.685	0.433	20	8.2%
Fenland	C8G	rs7862602	-0.125	0.059	0.88 (0.79, 0.99)	0.034	0.685	0.266	20	8.6%
Fenland	TMEM190	rs4806666	-0.053	0.025	0.95 (0.90, 1.00)	0.035	0.685	0.525	20	8.8%
Fenland	TMEM106A	rs2236762	-0.436	0.209	0.65 (0.43, 0.97)	0.037	0.685	0.254	20	9.2%
Fenland	NRXN3	rs7149325	-0.379	0.183	0.68 (0.48, 0.98)	0.038	0.685	0.082	20	9.9%
Fenland	GCDH	rs8012	-0.386	0.184	0.68 (0.47, 0.97)	0.036	0.685	0.602	20	10.1%
Fenland	SERPINE2	rs13412535	-0.078	0.038	0.92 (0.86, 1.00)	0.038	0.685	0.950	20	10.4%
Fenland	PILRA	rs2405442	-0.046	0.022	0.95 (0.91, 1.00)	0.037	0.685	0.455	20	10.9%
Fenland	LRP4	rs2306029	0.134	0.066	1.14 (1.00, 1.30)	0.042	0.691	0.976	20	3.2%
Fenland	DEFB1	rs2741117	-0.118	0.060	0.89 (0.79, 1.00)	0.049	0.691	0.025	20	4.1%
Fenland	CXCL9 NAAA	rs55876513	0.477	0.240	1.61 (1.01, 2.58)	0.047	0.691	0.697	20	4.8%

Fenland	REG3G	rs2861742	0.115	0.058	1.12 (1.00, 1.26)	0.047	0.691	0.926	20	5.8%
Fenland	CLMP	rs2155572	-0.248	0.125	0.78 (0.61, 1.00)	0.046	0.691	0.034	20	6.2%
Fenland	AMIGO2	rs7964534	0.547	0.276	1.73 (1.01, 2.97)	0.047	0.691	0.066	20	6.2%
Fenland	CAPN1	rs12292693	-0.176	0.089	0.84 (0.70, 1.00)	0.049	0.691	0.337	20	7.5%
Fenland	PPIE	rs514868	0.131	0.063	1.14 (1.01, 1.29)	0.039	0.691	0.068	20	7.7%
Fenland	TAGLN2	rs2789422	0.360	0.182	1.43 (1.00, 2.05)	0.049	0.691	0.811	15	7.7%
Fenland	CD14	rs5744454	-0.254	0.128	0.78 (0.60, 1.00)	0.047	0.691	0.019	20	7.9%
Fenland	CPB2	rs7336360	-0.070	0.034	0.93 (0.87, 1.00)	0.041	0.691	0.194	20	7.9%
Fenland	DPY30	rs115631838	0.563	0.281	1.76 (1.01, 3.04)	0.045	0.691	0.427	20	9.7%
Fenland	PRSS22	rs7204669	-0.218	0.106	0.80 (0.65, 0.99)	0.039	0.691	0.564	20	10.2%
Fenland	NT5E	rs643591	0.183	0.091	1.20 (1.00, 1.43)	0.044	0.691	0.980	20	10.9%
Fenland	LRPAP1	rs1800493	-0.246	0.124	0.78 (0.61, 1.00)	0.048	0.691	0.137	20	11.8%
Fenland	LAMA2 LAMB1 LAMC1	rs3816665	0.273	0.135	1.31 (1.01, 1.71)	0.043	0.691	0.627	20	12.0%
Fenland	IL11RA	rs11575578	0.189	0.094	1.21 (1.00, 1.45)	0.045	0.691	0.072	20	12.1%
Fenland	ST3GAL6	rs72934623	-0.063	0.031	0.94 (0.88, 1.00)	0.044	0.691	0.710	20	13.2%
Fenland	NDE1	rs7206272	-0.481	0.240	0.62 (0.39, 0.99)	0.045	0.691	0.709	20	14.0%
Fenland	EREG	rs78803121	-0.853	0.434	0.43 (0.18, 1.00)	0.050	0.691	NA	NA	15.3%
Fenland	AP1G2	rs7159262	-0.266	0.132	0.77 (0.59, 0.99)	0.044	0.691	0.033	9	19.6%
Fenland	SCG3	rs1456295	0.108	0.055	1.11 (1.00, 1.24)	0.051	0.691	NA	NA	NA
Fenland	DPEP1	rs409170	0.114	0.058	1.12 (1.00, 1.26)	0.051	0.691	NA	NA	NA
Fenland	TAGLN2	rs2789422	0.480	0.246	1.62 (1.00, 2.62)	0.051	0.691	NA	NA	NA
Fenland	BET1L SIRT3	rs11604127	-0.123	0.063	0.88 (0.78, 1.00)	0.052	0.691	NA	NA	NA
Fenland	HS6ST1	rs13010149	-0.212	0.109	0.81 (0.65, 1.00)	0.053	0.691	NA	NA	NA
Fenland	PRPSAP1	rs388283	0.432	0.223	1.54 (0.99, 2.39)	0.053	0.691	NA	NA	NA
Fenland	BET1L SIRT3	rs11604127	-0.305	0.158	0.74 (0.54, 1.00)	0.054	0.691	NA	NA	NA
Fenland	PDE3A	rs954865	-0.366	0.190	0.69 (0.48, 1.01)	0.054	0.691	NA	NA	NA
Fenland	A2ML1	rs1558526	0.187	0.098	1.21 (1.00, 1.46)	0.056	0.703	NA	NA	NA
Fenland	QPCTL	rs17850756	0.200	0.105	1.22 (0.99, 1.50)	0.056	0.703	NA	NA	NA
Fenland	CBL	rs76683040	-0.239	0.125	0.79 (0.62, 1.01)	0.056	0.703	NA	NA	NA
Fenland	FAM20B	rs45499094	0.440	0.233	1.55 (0.98, 2.45)	0.059	0.710	NA	NA	NA
Fenland	ICAM5	rs281440	-0.067	0.035	0.94 (0.87, 1.00)	0.060	0.710	NA	NA	NA
Fenland	GRHPR	rs4878690	-0.121	0.064	0.89 (0.78, 1.00)	0.060	0.710	NA	NA	NA
Fenland	ADIPOQ	rs141134215	-0.223	0.118	0.80 (0.63, 1.01)	0.060	0.710	NA	NA	NA

Fenland	CNTN1	rs12811939	0.223	0.119	1.25 (0.99, 1.58)	0.060	0.710	NA	NA	NA
Fenland	ETFA	rs79495512	-0.139	0.074	0.87 (0.75, 1.01)	0.061	0.710	NA	NA	NA
Fenland	RARRES2	rs3735167	0.164	0.087	1.18 (0.99, 1.40)	0.061	0.710	NA	NA	NA
Fenland	VEGFC	rs112793547	0.435	0.233	1.55 (0.98, 2.44)	0.062	0.710	NA	NA	NA
Fenland	GPD1	rs78089413	0.556	0.299	1.74 (0.97, 3.13)	0.063	0.710	NA	NA	NA
Fenland	CACNA2D3	rs9878608	0.255	0.138	1.29 (0.99, 1.69)	0.064	0.710	NA	NA	NA
Fenland	THBS2	rs74507247	0.105	0.057	1.11 (0.99, 1.24)	0.065	0.710	NA	NA	NA
Fenland	ELMO1	rs79483315	-0.344	0.187	0.71 (0.49, 1.02)	0.065	0.710	NA	NA	NA
Fenland	CD33	rs12459419	0.052	0.028	1.05 (1.00, 1.11)	0.066	0.710	NA	NA	NA
Fenland	POLM	rs142059440	-0.307	0.167	0.74 (0.53, 1.02)	0.066	0.710	NA	NA	NA
Fenland	CD14	rs5744441	-0.187	0.102	0.83 (0.68, 1.01)	0.067	0.710	NA	NA	NA
Fenland	HBZ	rs2461286	0.079	0.043	1.08 (0.99, 1.18)	0.068	0.710	NA	NA	NA
Fenland	STAMBPL1	rs1147606	0.191	0.105	1.21 (0.99, 1.49)	0.068	0.710	NA	NA	NA
Fenland	CGA FSHB	rs11031006	0.396	0.217	1.49 (0.97, 2.27)	0.068	0.710	NA	NA	NA
Fenland	CCL17	rs16956811	0.182	0.100	1.20 (0.99, 1.46)	0.069	0.710	NA	NA	NA
Fenland	HS3ST3B1	rs62053877	-0.498	0.274	0.61 (0.36, 1.04)	0.069	0.710	NA	NA	NA
Fenland	ITIH2	rs4463754	0.074	0.041	1.08 (0.99, 1.17)	0.070	0.710	NA	NA	NA
Fenland	SAR1A	rs4746023	0.257	0.142	1.29 (0.98, 1.71)	0.070	0.710	NA	NA	NA
Fenland	THBS2	rs74507247	0.370	0.204	1.45 (0.97, 2.16)	0.070	0.710	NA	NA	NA
Fenland	PMVK	rs56720968	-0.483	0.268	0.62 (0.37, 1.04)	0.071	0.710	NA	NA	NA
Fenland	ANXA5	rs9998908	0.222	0.123	1.25 (0.98, 1.59)	0.072	0.710	NA	NA	NA
Fenland	UROD	rs8681	0.104	0.058	1.11 (0.99, 1.24)	0.073	0.710	NA	NA	NA
Fenland	ASRGL1	rs11231069	-0.177	0.099	0.84 (0.69, 1.02)	0.073	0.710	NA	NA	NA
Fenland	FABP1	rs2241883	0.252	0.140	1.29 (0.98, 1.69)	0.073	0.710	NA	NA	NA
Fenland	C9	rs696766	0.341	0.191	1.41 (0.97, 2.04)	0.073	0.710	NA	NA	NA
Fenland	AP2A2	rs117126836	-0.409	0.227	0.66 (0.43, 1.04)	0.073	0.710	NA	NA	NA
Fenland	PCSK7	rs35186251	0.050	0.028	1.05 (1.00, 1.11)	0.074	0.710	NA	NA	NA
Fenland	ECM1	rs3737240	-0.066	0.037	0.94 (0.87, 1.01)	0.074	0.710	NA	NA	NA
Fenland	TWSG1	rs4798783	-0.171	0.096	0.84 (0.70, 1.02)	0.074	0.710	NA	NA	NA
Fenland	CXCL11	rs35170645	0.094	0.053	1.10 (0.99, 1.22)	0.076	0.722	NA	NA	NA
Fenland	SIGLEC7	rs140185670	0.179	0.102	1.20 (0.98, 1.46)	0.079	0.732	NA	NA	NA
Fenland	FAM3D	rs17551388	-0.182	0.104	0.83 (0.68, 1.02)	0.079	0.732	NA	NA	NA
Fenland	FKBP1B	rs72781699	-0.145	0.083	0.87 (0.74, 1.02)	0.080	0.732	NA	NA	NA

Fenland	ACP5	rs111931834	-0.181	0.104	0.83 (0.68, 1.02)	0.080	0.732	NA	NA	NA
Fenland	COLEC11	rs6542680	0.066	0.038	1.07 (0.99, 1.15)	0.081	0.732	NA	NA	NA
Fenland	DCTPP1	rs146094440	-0.784	0.449	0.46 (0.19, 1.10)	0.081	0.732	NA	NA	NA
Fenland	C1QTNF5	rs2509656	-0.254	0.146	0.78 (0.58, 1.03)	0.082	0.732	NA	NA	NA
Fenland	HGD	rs2042482	-0.282	0.162	0.75 (0.55, 1.04)	0.082	0.732	NA	NA	NA
Fenland	BTN3A3	rs9393711	-0.049	0.028	0.95 (0.90, 1.01)	0.083	0.732	NA	NA	NA
Fenland	PCOLCE2	rs11716897	-0.116	0.067	0.89 (0.78, 1.02)	0.083	0.732	NA	NA	NA
Fenland	SVEP1	rs61751937	0.136	0.079	1.15 (0.98, 1.34)	0.084	0.732	NA	NA	NA
Fenland	SVEP1	rs61751937	0.148	0.086	1.16 (0.98, 1.37)	0.084	0.732	NA	NA	NA
Fenland	NME4	rs6600214	-0.147	0.085	0.86 (0.73, 1.02)	0.085	0.737	NA	NA	NA
Fenland	HAPLN4	rs55765017	0.377	0.219	1.46 (0.95, 2.24)	0.086	0.739	NA	NA	NA
Fenland	PLAUR	rs2302524	-0.240	0.140	0.79 (0.60, 1.04)	0.087	0.742	NA	NA	NA
Fenland	IVD	rs7165012	-0.209	0.124	0.81 (0.64, 1.03)	0.092	0.779	NA	NA	NA
Fenland	GXYLT1	rs139695917	-0.161	0.096	0.85 (0.70, 1.03)	0.095	0.800	NA	NA	NA
Fenland	VWA2	rs35060624	0.246	0.147	1.28 (0.96, 1.71)	0.095	0.800	NA	NA	NA
Fenland	ATP1B2	rs1641523	0.238	0.143	1.27 (0.96, 1.68)	0.097	0.802	NA	NA	NA
Fenland	KLK3	rs266849	0.695	0.418	2.00 (0.88, 4.55)	0.097	0.802	NA	NA	NA
Fenland	VSIR	rs10762476	-0.067	0.041	0.94 (0.86, 1.01)	0.098	0.805	NA	NA	NA
Fenland	RNASET2	rs11159	-0.137	0.083	0.87 (0.74, 1.03)	0.098	0.805	NA	NA	NA
Fenland	KLRB1	rs4763630	0.130	0.079	1.14 (0.98, 1.33)	0.100	0.810	NA	NA	NA
Fenland	PLCG2	rs12445050	0.163	0.100	1.18 (0.97, 1.43)	0.103	0.823	NA	NA	NA
Fenland	SPINK2	rs28488855	0.218	0.133	1.24 (0.96, 1.61)	0.103	0.823	NA	NA	NA
Fenland	NMRK1	rs11144225	-0.129	0.080	0.88 (0.75, 1.03)	0.104	0.823	NA	NA	NA
Fenland	CA11	rs425879	-0.346	0.213	0.71 (0.47, 1.07)	0.104	0.823	NA	NA	NA
Fenland	BOLA3	rs828889	-0.218	0.135	0.80 (0.62, 1.05)	0.106	0.823	NA	NA	NA
Fenland	ADAMTSL2	rs1008250	-0.573	0.355	0.56 (0.28, 1.13)	0.106	0.823	NA	NA	NA
Fenland	RTP4	rs1878861	0.092	0.057	1.10 (0.98, 1.23)	0.107	0.823	NA	NA	NA
Fenland	DNAJC10	rs72898732	0.532	0.330	1.70 (0.89, 3.25)	0.107	0.823	NA	NA	NA
Fenland	CHIT1	rs872583	-0.047	0.029	0.95 (0.90, 1.01)	0.108	0.823	NA	NA	NA
Fenland	WARS1	rs4905957	0.128	0.079	1.14 (0.97, 1.33)	0.108	0.823	NA	NA	NA
Fenland	TNFSF14	rs413141	0.162	0.101	1.18 (0.97, 1.43)	0.108	0.823	NA	NA	NA
Fenland	C3	rs11569415	-0.249	0.155	0.78 (0.58, 1.06)	0.109	0.823	NA	NA	NA

Fenland	DBNL	rs56665454	0.424	0.265	1.53 (0.91, 2.57)	0.110	0.823	NA	NA	NA
Fenland	DLL1	rs4710790	-0.299	0.187	0.74 (0.51, 1.07)	0.111	0.823	NA	NA	NA
Fenland	APOM	rs2255741	0.175	0.110	1.19 (0.96, 1.48)	0.112	0.823	NA	NA	NA
Fenland	FAM172A	rs35107028	0.364	0.229	1.44 (0.92, 2.26)	0.112	0.823	NA	NA	NA
Fenland	B4GALT2	rs3762423	0.137	0.087	1.15 (0.97, 1.36)	0.113	0.823	NA	NA	NA
Fenland	FAM20A	rs77594545	-0.353	0.223	0.70 (0.45, 1.09)	0.113	0.823	NA	NA	NA
Fenland	BDH2	rs78336913	-0.162	0.102	0.85 (0.70, 1.04)	0.114	0.823	NA	NA	NA
Fenland	GSTP1	rs72932599	0.208	0.132	1.23 (0.95, 1.60)	0.114	0.823	NA	NA	NA
Fenland	STAT6	rs841718	0.440	0.278	1.55 (0.90, 2.68)	0.114	0.823	NA	NA	NA
Fenland	ALDH3A1	rs887241	0.221	0.140	1.25 (0.95, 1.64)	0.115	0.823	NA	NA	NA
Fenland	PRCP	rs2229437	-0.189	0.120	0.83 (0.65, 1.05)	0.116	0.823	NA	NA	NA
Fenland	MMP19	rs7296597	-0.392	0.250	0.68 (0.41, 1.10)	0.117	0.823	NA	NA	NA
Fenland	ENGASE	rs56107536	0.081	0.052	1.08 (0.98, 1.20)	0.118	0.823	NA	NA	NA
Fenland	VSIR	rs10762477	-0.075	0.049	0.93 (0.84, 1.02)	0.120	0.823	NA	NA	NA
Fenland	CRABP2	rs3806412	0.137	0.088	1.15 (0.96, 1.36)	0.120	0.823	NA	NA	NA
Fenland	GMPR2	rs34354104	-0.130	0.084	0.88 (0.75, 1.03)	0.121	0.823	NA	NA	NA
Fenland	GLRX3	rs12248841	0.348	0.224	1.42 (0.91, 2.20)	0.121	0.823	NA	NA	NA
Fenland	FN1	rs1250247	-0.411	0.265	0.66 (0.39, 1.12)	0.122	0.823	NA	NA	NA
Fenland	INPP5B	rs61776676	0.139	0.090	1.15 (0.96, 1.37)	0.123	0.823	NA	NA	NA
Fenland	S100A7	rs3014837	0.053	0.035	1.05 (0.99, 1.13)	0.125	0.823	NA	NA	NA
Fenland	FCRL1	rs4971154	0.109	0.071	1.11 (0.97, 1.28)	0.125	0.823	NA	NA	NA
Fenland	DARS1	rs2304371	0.335	0.218	1.40 (0.91, 2.15)	0.125	0.823	NA	NA	NA
Fenland	C3	rs2230199	0.435	0.284	1.55 (0.89, 2.69)	0.125	0.823	NA	NA	NA
Fenland	SWAP70	rs6483656	-0.057	0.037	0.94 (0.88, 1.02)	0.126	0.823	NA	NA	NA
Fenland	ZADH2	rs9240	0.203	0.133	1.22 (0.94, 1.59)	0.126	0.823	NA	NA	NA
Fenland	ACAN	rs34949187	0.255	0.167	1.29 (0.93, 1.79)	0.126	0.823	NA	NA	NA
Fenland	PFKM	rs4760682	0.323	0.211	1.38 (0.91, 2.09)	0.126	0.823	NA	NA	NA
Fenland	GSR	rs4733505	-0.269	0.177	0.76 (0.54, 1.08)	0.129	0.823	NA	NA	NA
Fenland	NLGN2	rs114576150	-0.282	0.186	0.75 (0.52, 1.09)	0.129	0.823	NA	NA	NA
Fenland	NA	rs9793740	0.244	0.161	1.28 (0.93, 1.75)	0.130	0.823	NA	NA	NA
Fenland	APCDD1 NAPG	rs1786682	-0.401	0.265	0.67 (0.40, 1.13)	0.131	0.823	NA	NA	NA
Fenland	NTM	rs2511504	0.108	0.072	1.11 (0.97, 1.28)	0.132	0.823	NA	NA	NA
Fenland	CRLF1	rs4808828	-0.182	0.121	0.83 (0.66, 1.06)	0.132	0.823	NA	NA	NA

Fenland	NTM	rs2511504	0.181	0.121	1.20 (0.95, 1.52)	0.133	0.823	NA	NA	NA
Fenland	RNASE2	rs2233859	0.130	0.087	1.14 (0.96, 1.35)	0.134	0.823	NA	NA	NA
Fenland	COL6A3	rs2646260	-0.316	0.211	0.73 (0.48, 1.10)	0.134	0.823	NA	NA	NA
Fenland	EPHA5	rs4860687	-0.330	0.221	0.72 (0.47, 1.11)	0.134	0.823	NA	NA	NA
Fenland	C1orf198	rs61826310	0.238	0.160	1.27 (0.93, 1.73)	0.135	0.823	NA	NA	NA
Fenland	PARK7	rs226249	-0.292	0.195	0.75 (0.51, 1.10)	0.135	0.823	NA	NA	NA
Fenland	APCDD1 NAPG	rs489837	-0.367	0.246	0.69 (0.43, 1.12)	0.135	0.823	NA	NA	NA
Fenland	ARG2	rs61990120	0.321	0.215	1.38 (0.90, 2.10)	0.136	0.823	NA	NA	NA
Fenland	ARHGAP25	rs13413887	0.161	0.108	1.17 (0.95, 1.45)	0.137	0.823	NA	NA	NA
Fenland	SFRP4	rs75207237	0.205	0.137	1.23 (0.94, 1.61)	0.137	0.823	NA	NA	NA
Fenland	SERPINF2	rs11078597	0.152	0.103	1.16 (0.95, 1.42)	0.138	0.823	NA	NA	NA
Fenland	EPHB2	rs2043970	-0.115	0.077	0.89 (0.77, 1.04)	0.139	0.823	NA	NA	NA
Fenland	SCARF2	rs738084	0.185	0.125	1.20 (0.94, 1.54)	0.139	0.823	NA	NA	NA
Fenland	NANS	rs1058446	0.247	0.167	1.28 (0.92, 1.77)	0.139	0.823	NA	NA	NA
Fenland	DDT	rs140117085	-0.251	0.170	0.78 (0.56, 1.08)	0.139	0.823	NA	NA	NA
Fenland	CELA2A	rs188524036	-0.452	0.305	0.64 (0.35, 1.16)	0.139	0.823	NA	NA	NA
Fenland	ERAP2	rs2927608	-0.031	0.021	0.97 (0.93, 1.01)	0.141	0.827	NA	NA	NA
Fenland	CXCL9 NAAA	rs111981122	0.058	0.040	1.06 (0.98, 1.15)	0.142	0.827	NA	NA	NA
Fenland	SH3BP2	rs2880007	0.079	0.054	1.08 (0.97, 1.20)	0.142	0.827	NA	NA	NA
Fenland	PLOD2	rs6801418	-0.146	0.100	0.86 (0.71, 1.05)	0.142	0.827	NA	NA	NA
Fenland	LSAMP	rs2116308	-0.315	0.216	0.73 (0.48, 1.11)	0.144	0.830	NA	NA	NA
Fenland	TMEM132D	rs61943557	0.205	0.140	1.23 (0.93, 1.62)	0.145	0.832	NA	NA	NA
Fenland	HSP90B1	rs1165695	0.095	0.065	1.10 (0.97, 1.25)	0.146	0.839	NA	NA	NA
Fenland	CRNN	rs10494275	-0.143	0.099	0.87 (0.71, 1.05)	0.148	0.841	NA	NA	NA
Fenland	ANGPTL3	rs11207970	-0.135	0.094	0.87 (0.73, 1.05)	0.149	0.841	NA	NA	NA
Fenland	EPHA2	rs924204	-0.288	0.201	0.75 (0.51, 1.11)	0.152	0.841	NA	NA	NA
Fenland	CD59	rs704701	-0.244	0.170	0.78 (0.56, 1.09)	0.153	0.841	NA	NA	NA
Fenland	ROBO2	rs2272163	0.337	0.236	1.40 (0.88, 2.23)	0.154	0.841	NA	NA	NA
Fenland	CARD9	rs4077515	-0.215	0.152	0.81 (0.60, 1.09)	0.155	0.841	NA	NA	NA
Fenland	ALPG ALPP	rs12478529	0.113	0.079	1.12 (0.96, 1.31)	0.156	0.841	NA	NA	NA
Fenland	SPINK7	rs79930019	-0.177	0.125	0.84 (0.66, 1.07)	0.156	0.841	NA	NA	NA
Fenland	IRAG1	rs10840457	-0.211	0.149	0.81 (0.60, 1.08)	0.156	0.841	NA	NA	NA
Fenland	SERPINB13	rs77157727	-0.389	0.274	0.68 (0.40, 1.16)	0.156	0.841	NA	NA	NA

Fenland	FCGR2A	rs4657041	-0.028	0.020	0.97 (0.93, 1.01)	0.157	0.841	NA	NA	NA
Fenland	OLFM2	rs55732232	-0.049	0.035	0.95 (0.89, 1.02)	0.158	0.841	NA	NA	NA
Fenland	GPNMB	rs2268748	0.145	0.103	1.16 (0.95, 1.41)	0.158	0.841	NA	NA	NA
Fenland	PGM2	rs2911906	-0.258	0.183	0.77 (0.54, 1.11)	0.158	0.841	NA	NA	NA
Fenland	FCRL4	rs11582663	-0.047	0.034	0.95 (0.89, 1.02)	0.159	0.841	NA	NA	NA
Fenland	ALAD	rs1800435	-0.156	0.111	0.86 (0.69, 1.06)	0.159	0.841	NA	NA	NA
Fenland	FCN2	rs7851696	0.056	0.040	1.06 (0.98, 1.14)	0.160	0.841	NA	NA	NA
Fenland	C6	rs181908440	-0.122	0.087	0.88 (0.75, 1.05)	0.160	0.841	NA	NA	NA
Fenland	OSMR	rs58330611	0.132	0.094	1.14 (0.95, 1.37)	0.160	0.841	NA	NA	NA
Fenland	PEAR1	rs4661012	0.134	0.096	1.14 (0.95, 1.38)	0.160	0.841	NA	NA	NA
Fenland	FRZB	rs288326	0.096	0.069	1.10 (0.96, 1.26)	0.161	0.841	NA	NA	NA
Fenland	SRGN	rs67852477	-0.168	0.120	0.85 (0.67, 1.07)	0.162	0.841	NA	NA	NA
Fenland	PIP	rs73170678	0.117	0.084	1.12 (0.95, 1.32)	0.163	0.841	NA	NA	NA
Fenland	CFAP65 HH	rs7561119	0.329	0.236	1.39 (0.88, 2.21)	0.163	0.841	NA	NA	NA
Fenland	ARRB1	rs562946	-0.365	0.261	0.69 (0.42, 1.16)	0.163	0.841	NA	NA	NA
Fenland	CA6	rs3765963	0.058	0.042	1.06 (0.98, 1.15)	0.165	0.848	NA	NA	NA
Fenland	CCM2	rs7805382	0.296	0.213	1.34 (0.88, 2.04)	0.165	0.848	NA	NA	NA
Fenland	ICOSLG	rs7278257	0.419	0.304	1.52 (0.84, 2.76)	0.168	0.849	NA	NA	NA
Fenland	YWHAB	rs6017444	-0.250	0.182	0.78 (0.55, 1.11)	0.169	0.849	NA	NA	NA
Fenland	MMP8	rs35231465	-0.139	0.101	0.87 (0.71, 1.06)	0.170	0.849	NA	NA	NA
Fenland	ART4 MGP	rs2430687	0.085	0.062	1.09 (0.96, 1.23)	0.172	0.849	NA	NA	NA
Fenland	BPHL	rs3799219	0.086	0.063	1.09 (0.96, 1.23)	0.172	0.849	NA	NA	NA
Fenland	AKR7A3	rs12095284	0.126	0.092	1.13 (0.95, 1.36)	0.172	0.849	NA	NA	NA
Fenland	LYPD3	rs35107209	0.211	0.154	1.24 (0.91, 1.67)	0.172	0.849	NA	NA	NA
Fenland	SEMA3E	rs56921187	0.046	0.034	1.05 (0.98, 1.12)	0.173	0.849	NA	NA	NA
Fenland	TCL1A	rs78986913	-0.166	0.122	0.85 (0.67, 1.08)	0.173	0.849	NA	NA	NA
Fenland	CXCL1	rs3097411	0.039	0.029	1.04 (0.98, 1.10)	0.174	0.849	NA	NA	NA
Fenland	TPST1	rs12537083	0.159	0.117	1.17 (0.93, 1.48)	0.174	0.849	NA	NA	NA
Fenland	TAGLN	rs1871757	-0.336	0.247	0.71 (0.44, 1.16)	0.174	0.849	NA	NA	NA
Fenland	GSN	rs10985196	-0.222	0.163	0.80 (0.58, 1.10)	0.175	0.849	NA	NA	NA
Fenland	PDCD6	rs62345187	-0.605	0.446	0.55 (0.23, 1.31)	0.175	0.849	NA	NA	NA
Fenland	PNP	rs1130650	-0.286	0.211	0.75 (0.50, 1.14)	0.177	0.849	NA	NA	NA
Fenland	ICAM1 ICAM4	rs5030377	0.298	0.222	1.35 (0.87, 2.08)	0.179	0.849	NA	NA	NA

Fenland	LGALS1	rs76392037	0.371	0.277	1.45 (0.84, 2.49)	0.180	0.849	NA	NA	NA
Fenland	RFK	rs680729	-0.174	0.130	0.84 (0.65, 1.08)	0.181	0.849	NA	NA	NA
Fenland	PSAPL1	rs4484302	0.080	0.060	1.08 (0.96, 1.22)	0.183	0.849	NA	NA	NA
Fenland	ENTPD6	rs6050446	0.180	0.135	1.20 (0.92, 1.56)	0.183	0.849	NA	NA	NA
Fenland	SPON1	rs1969539	0.088	0.066	1.09 (0.96, 1.24)	0.184	0.849	NA	NA	NA
Fenland	ADAM23	rs1207146	-0.096	0.072	0.91 (0.79, 1.05)	0.184	0.849	NA	NA	NA
Fenland	HS6ST3	rs816122	0.317	0.239	1.37 (0.86, 2.19)	0.184	0.849	NA	NA	NA
Fenland	MBL2	rs7899547	0.039	0.029	1.04 (0.98, 1.10)	0.185	0.849	NA	NA	NA
Fenland	DEF6	rs45482297	-0.134	0.101	0.87 (0.72, 1.07)	0.185	0.849	NA	NA	NA
Fenland	LRIG3	rs11172791	0.209	0.158	1.23 (0.90, 1.68)	0.185	0.849	NA	NA	NA
Fenland	NAE1	rs7195900	-0.331	0.249	0.72 (0.44, 1.17)	0.185	0.849	NA	NA	NA
Fenland	CD55	rs6684804	-0.068	0.051	0.93 (0.84, 1.03)	0.186	0.849	NA	NA	NA
Fenland	HDGF	rs12121617	-0.401	0.303	0.67 (0.37, 1.21)	0.186	0.849	NA	NA	NA
Fenland	CASS4	rs67041321	0.278	0.211	1.32 (0.87, 2.00)	0.187	0.849	NA	NA	NA
Fenland	CXCL12	rs1023264	-0.289	0.219	0.75 (0.49, 1.15)	0.187	0.849	NA	NA	NA
Fenland	CPN2	rs3732477	-0.061	0.046	0.94 (0.86, 1.03)	0.188	0.849	NA	NA	NA
Fenland	SPOCK3	rs62353586	0.098	0.074	1.10 (0.95, 1.28)	0.189	0.849	NA	NA	NA
Fenland	GRN	rs5848	-0.154	0.117	0.86 (0.68, 1.08)	0.189	0.849	NA	NA	NA
Fenland	CBLIF	rs150884181	-0.256	0.195	0.77 (0.53, 1.13)	0.189	0.849	NA	NA	NA
Fenland	PCOLCE	rs7385804	0.155	0.119	1.17 (0.93, 1.47)	0.192	0.849	NA	NA	NA
Fenland	NFASC	rs6667532	-0.074	0.057	0.93 (0.83, 1.04)	0.193	0.849	NA	NA	NA
Fenland	C1QTNF9	rs9511206	0.088	0.067	1.09 (0.96, 1.25)	0.194	0.849	NA	NA	NA
Fenland	CBR1	rs16993864	0.111	0.085	1.12 (0.95, 1.32)	0.194	0.849	NA	NA	NA
Fenland	SPHK2	rs386243	-0.249	0.192	0.78 (0.54, 1.14)	0.194	0.849	NA	NA	NA
Fenland	FBP1	rs2679606	-0.333	0.256	0.72 (0.43, 1.18)	0.194	0.849	NA	NA	NA
Fenland	TRDMT1	rs6602180	-0.060	0.046	0.94 (0.86, 1.03)	0.195	0.849	NA	NA	NA
Fenland	THSD1	rs41292808	0.069	0.053	1.07 (0.97, 1.19)	0.195	0.849	NA	NA	NA
Fenland	CTSV	rs12686511	0.203	0.157	1.23 (0.90, 1.67)	0.195	0.849	NA	NA	NA
Fenland	EGFLAM	rs2589775	-0.326	0.252	0.72 (0.44, 1.18)	0.195	0.849	NA	NA	NA
Fenland	ANXA11	rs2819946	0.134	0.103	1.14 (0.93, 1.40)	0.196	0.849	NA	NA	NA
Fenland	HK2	rs687506	-0.343	0.265	0.71 (0.42, 1.19)	0.196	0.849	NA	NA	NA
Fenland	DBI	rs6733335	-0.115	0.089	0.89 (0.75, 1.06)	0.197	0.849	NA	NA	NA
Fenland	CD8A	rs3020726	0.116	0.090	1.12 (0.94, 1.34)	0.198	0.849	NA	NA	NA

Fenland	LGALS8	rs75416658	0.393	0.306	1.48 (0.81, 2.70)	0.198	0.849	NA	NA	NA
Fenland	QDPR	rs28382333	-0.076	0.059	0.93 (0.83, 1.04)	0.199	0.849	NA	NA	NA
Fenland	PPT1	rs6600314	-0.186	0.146	0.83 (0.62, 1.10)	0.200	0.849	NA	NA	NA
Fenland	SULT1A3	rs148788997	-0.177	0.139	0.84 (0.64, 1.10)	0.201	0.849	NA	NA	NA
Fenland	ESS2	rs715544	0.145	0.113	1.16 (0.93, 1.44)	0.202	0.849	NA	NA	NA
Fenland	STX7	rs12190479	-0.203	0.159	0.82 (0.60, 1.12)	0.202	0.849	NA	NA	NA
Fenland	SELE	rs2205850	0.266	0.209	1.30 (0.87, 1.96)	0.202	0.849	NA	NA	NA
Fenland	ADH4	rs1800759	-0.304	0.240	0.74 (0.46, 1.18)	0.204	0.849	NA	NA	NA
Fenland	NCAM1	rs11214489	-0.131	0.104	0.88 (0.72, 1.07)	0.205	0.849	NA	NA	NA
Fenland	PSMD9	rs7971607	-0.289	0.228	0.75 (0.48, 1.17)	0.205	0.849	NA	NA	NA
Fenland	GPC1	rs1126920	-0.092	0.073	0.91 (0.79, 1.05)	0.206	0.849	NA	NA	NA
Fenland	TK2	rs72790432	0.245	0.193	1.28 (0.87, 1.87)	0.206	0.849	NA	NA	NA
Fenland	ISG15	rs4615788	-0.100	0.079	0.90 (0.78, 1.06)	0.207	0.849	NA	NA	NA
Fenland	NA	rs7211393	-0.144	0.114	0.87 (0.69, 1.08)	0.207	0.849	NA	NA	NA
Fenland	FH	rs12071124	0.211	0.167	1.23 (0.89, 1.71)	0.208	0.849	NA	NA	NA
Fenland	PLA2G7	rs9472831	-0.222	0.176	0.80 (0.57, 1.13)	0.208	0.849	NA	NA	NA
Fenland	GCLM	rs12563495	0.310	0.247	1.36 (0.84, 2.21)	0.209	0.852	NA	NA	NA
Fenland	AIF1	rs2261033	-0.153	0.122	0.86 (0.68, 1.09)	0.210	0.852	NA	NA	NA
Fenland	ARSB	rs337835	-0.126	0.101	0.88 (0.72, 1.07)	0.211	0.852	NA	NA	NA
Fenland	TSTD1	rs10908821	0.068	0.054	1.07 (0.96, 1.19)	0.212	0.852	NA	NA	NA
Fenland	GGH	rs12676348	0.068	0.055	1.07 (0.96, 1.19)	0.212	0.852	NA	NA	NA
Fenland	TNFRSF6B	rs6011040	-0.304	0.244	0.74 (0.46, 1.19)	0.212	0.852	NA	NA	NA
Fenland	ICAM1 ICAM4	rs5498	0.027	0.022	1.03 (0.98, 1.07)	0.213	0.852	NA	NA	NA
Fenland	NELL1	rs61652119	0.070	0.056	1.07 (0.96, 1.20)	0.214	0.852	NA	NA	NA
Fenland	ATF6B	rs8111	0.170	0.137	1.19 (0.91, 1.55)	0.214	0.852	NA	NA	NA
Fenland	ACOT8	rs55931834	-0.294	0.237	0.75 (0.47, 1.19)	0.215	0.852	NA	NA	NA
Fenland	SAA4	rs7117484	-0.046	0.037	0.96 (0.89, 1.03)	0.217	0.857	NA	NA	NA
Fenland	BIN1	rs35103166	0.144	0.117	1.16 (0.92, 1.45)	0.218	0.857	NA	NA	NA
Fenland	ARHGEF25	rs10437954	0.178	0.145	1.19 (0.90, 1.59)	0.219	0.857	NA	NA	NA
Fenland	CLEC12A	rs588272	-0.026	0.021	0.97 (0.94, 1.02)	0.221	0.857	NA	NA	NA
Fenland	OLFM1	rs10858334	0.269	0.220	1.31 (0.85, 2.01)	0.221	0.857	NA	NA	NA
Fenland	CEMIP2	rs4143770	0.161	0.132	1.17 (0.91, 1.52)	0.222	0.857	NA	NA	NA
Fenland	PTGES2	rs13283456	0.194	0.159	1.21 (0.89, 1.66)	0.222	0.857	NA	NA	NA

Fenland	PACSIN3	rs61897858	0.319	0.261	1.38 (0.82, 2.29)	0.222	0.857	NA	NA	NA
Fenland	UNC5B	rs78747281	-0.363	0.297	0.70 (0.39, 1.25)	0.222	0.857	NA	NA	NA
Fenland	DNAJB6	rs12668458	0.183	0.150	1.20 (0.89, 1.61)	0.223	0.857	NA	NA	NA
Fenland	DTD2	rs138832021	0.206	0.170	1.23 (0.88, 1.72)	0.225	0.857	NA	NA	NA
Fenland	WFIKK2	rs11079936	-0.063	0.052	0.94 (0.85, 1.04)	0.226	0.857	NA	NA	NA
Fenland	MFAP2	rs4920605	-0.079	0.065	0.92 (0.81, 1.05)	0.226	0.857	NA	NA	NA
Fenland	SMOC2	rs4708738	-0.085	0.070	0.92 (0.80, 1.05)	0.226	0.857	NA	NA	NA
Fenland	FUT3	rs708686	0.044	0.037	1.05 (0.97, 1.12)	0.227	0.857	NA	NA	NA
Fenland	PPA1	rs10823500	-0.111	0.092	0.89 (0.75, 1.07)	0.227	0.857	NA	NA	NA
Fenland	EFEMP1	rs3791679	-0.137	0.113	0.87 (0.70, 1.09)	0.227	0.857	NA	NA	NA
Fenland	AMY1A AMY1B AMY1C	rs78811372	-0.088	0.073	0.92 (0.79, 1.06)	0.228	0.857	NA	NA	NA
Fenland	MANEA	rs35772543	0.035	0.029	1.04 (0.98, 1.10)	0.229	0.860	NA	NA	NA
Fenland	ITLN1	rs7532133	0.210	0.175	1.23 (0.87, 1.74)	0.231	0.860	NA	NA	NA
Fenland	DUSP28	rs148245427	-0.149	0.125	0.86 (0.67, 1.10)	0.232	0.860	NA	NA	NA
Fenland	SNX8	rs34750471	0.232	0.194	1.26 (0.86, 1.84)	0.232	0.860	NA	NA	NA
Fenland	SDCBP2	rs6109526	-0.312	0.261	0.73 (0.44, 1.22)	0.232	0.860	NA	NA	NA
Fenland	FMOD	rs16851364	0.213	0.178	1.24 (0.87, 1.76)	0.233	0.860	NA	NA	NA
Fenland	CCS	rs636128	0.172	0.146	1.19 (0.89, 1.58)	0.236	0.863	NA	NA	NA
Fenland	MICB	rs3134900	-0.051	0.043	0.95 (0.87, 1.03)	0.237	0.863	NA	NA	NA
Fenland	MX1	rs464138	-0.067	0.057	0.94 (0.84, 1.05)	0.237	0.863	NA	NA	NA
Fenland	ZFAND1	rs2912817	0.137	0.116	1.15 (0.91, 1.44)	0.237	0.863	NA	NA	NA
Fenland	ENTPD1	rs11598475	0.223	0.189	1.25 (0.86, 1.81)	0.237	0.863	NA	NA	NA
Fenland	ALDOC	rs56147019	-0.304	0.258	0.74 (0.44, 1.22)	0.238	0.863	NA	NA	NA
Fenland	BID	rs151268390	-0.389	0.329	0.68 (0.36, 1.29)	0.238	0.863	NA	NA	NA
Fenland	CRP	rs4546916	0.172	0.147	1.19 (0.89, 1.58)	0.242	0.874	NA	NA	NA
Fenland	ASPH	rs2330578	-0.152	0.130	0.86 (0.67, 1.11)	0.243	0.876	NA	NA	NA
Fenland	LILRB5	rs12975366	0.029	0.025	1.03 (0.98, 1.08)	0.244	0.876	NA	NA	NA
Fenland	IL1R2	rs2310170	-0.066	0.057	0.94 (0.84, 1.05)	0.244	0.876	NA	NA	NA
Fenland	F2	rs1799963	-0.296	0.254	0.74 (0.45, 1.22)	0.245	0.877	NA	NA	NA
Fenland	CD200	rs6774405	-0.232	0.200	0.79 (0.54, 1.18)	0.248	0.885	NA	NA	NA
Fenland	APOE	rs483082	0.104	0.090	1.11 (0.93, 1.32)	0.251	0.892	NA	NA	NA
Fenland	B3GLCT	rs1995970	-0.058	0.051	0.94 (0.85, 1.04)	0.252	0.892	NA	NA	NA
Fenland	IGFALS	rs1065656	-0.152	0.133	0.86 (0.66, 1.12)	0.253	0.892	NA	NA	NA

Fenland	SPINK5	rs4371740	0.221	0.193	1.25 (0.85, 1.82)	0.253	0.892	NA	NA	NA
Fenland	NPTX1	rs111307499	-0.092	0.081	0.91 (0.78, 1.07)	0.254	0.892	NA	NA	NA
Fenland	CTSF	rs4930383	-0.125	0.109	0.88 (0.71, 1.09)	0.254	0.892	NA	NA	NA
Fenland	IL1R1	rs2287047	-0.231	0.203	0.79 (0.53, 1.18)	0.256	0.892	NA	NA	NA
Fenland	NMRAL1	rs11557236	0.056	0.049	1.06 (0.96, 1.16)	0.257	0.892	NA	NA	NA
Fenland	HEXIM1 HEXIM2	rs9894577	-0.208	0.184	0.81 (0.57, 1.16)	0.258	0.892	NA	NA	NA
Fenland	REXO2	rs17116987	0.231	0.205	1.26 (0.84, 1.88)	0.258	0.892	NA	NA	NA
Fenland	HDGF	rs12145743	-0.275	0.245	0.76 (0.47, 1.23)	0.260	0.892	NA	NA	NA
Fenland	FKBP4	rs57120900	-0.299	0.265	0.74 (0.44, 1.25)	0.260	0.892	NA	NA	NA
Fenland	SEMA5A	rs17329324	0.034	0.030	1.03 (0.98, 1.10)	0.261	0.892	NA	NA	NA
Fenland	NPNT	rs34712979	-0.222	0.198	0.80 (0.54, 1.18)	0.262	0.892	NA	NA	NA
Fenland	DNAJB12	rs9416018	-0.273	0.244	0.76 (0.47, 1.23)	0.262	0.892	NA	NA	NA
Fenland	BDNF	rs59579819	0.322	0.287	1.38 (0.79, 2.42)	0.262	0.892	NA	NA	NA
Fenland	PZP	rs1035849	0.078	0.070	1.08 (0.94, 1.24)	0.263	0.892	NA	NA	NA
Fenland	BDNF	rs59579819	0.333	0.297	1.40 (0.78, 2.50)	0.263	0.892	NA	NA	NA
Fenland	FUT10	rs62510527	0.052	0.047	1.05 (0.96, 1.16)	0.264	0.892	NA	NA	NA
Fenland	IRAK4	rs60813848	0.259	0.232	1.30 (0.82, 2.04)	0.264	0.892	NA	NA	NA
Fenland	CD163	rs11054859	-0.315	0.282	0.73 (0.42, 1.27)	0.264	0.892	NA	NA	NA
Fenland	MANSC4	rs9668702	-0.045	0.040	0.96 (0.88, 1.03)	0.265	0.892	NA	NA	NA
Fenland	CAPG	rs62623452	-0.082	0.073	0.92 (0.80, 1.06)	0.266	0.892	NA	NA	NA
Fenland	AGRP	rs3892816	-0.140	0.126	0.87 (0.68, 1.11)	0.266	0.892	NA	NA	NA
Fenland	CA13	rs73688702	0.071	0.064	1.07 (0.95, 1.22)	0.270	0.895	NA	NA	NA
Fenland	NOTUM	rs74002709	0.199	0.180	1.22 (0.86, 1.74)	0.270	0.895	NA	NA	NA
Fenland	UBLCP1	rs71593333	-0.246	0.223	0.78 (0.51, 1.21)	0.270	0.895	NA	NA	NA
Fenland	HSF1	rs3757976	0.305	0.277	1.36 (0.79, 2.33)	0.270	0.895	NA	NA	NA
Fenland	CRTAC1	rs684225	0.070	0.064	1.07 (0.95, 1.22)	0.274	0.895	NA	NA	NA
Fenland	CTSH	rs2289702	0.039	0.036	1.04 (0.97, 1.12)	0.275	0.895	NA	NA	NA
Fenland	MTMR6	rs7999040	0.265	0.242	1.30 (0.81, 2.09)	0.275	0.895	NA	NA	NA
Fenland	CYTL1	rs62291577	-0.134	0.123	0.87 (0.69, 1.11)	0.276	0.895	NA	NA	NA
Fenland	FAS	rs7911226	-0.089	0.082	0.91 (0.78, 1.07)	0.279	0.895	NA	NA	NA
Fenland	PLXND1	rs2255703	0.121	0.112	1.13 (0.91, 1.40)	0.279	0.895	NA	NA	NA
Fenland	CDH5	rs1972838	0.154	0.143	1.17 (0.88, 1.54)	0.279	0.895	NA	NA	NA

Fenland	FCN2	rs57136797	-0.073	0.067	0.93 (0.82, 1.06)	0.280	0.895	NA	NA	NA
Fenland	PTK7	rs140147428	0.201	0.186	1.22 (0.85, 1.76)	0.280	0.895	NA	NA	NA
Fenland	ENO3	rs238238	0.092	0.086	1.10 (0.93, 1.30)	0.281	0.895	NA	NA	NA
Fenland	DCLK1	rs7982300	-0.164	0.152	0.85 (0.63, 1.14)	0.281	0.895	NA	NA	NA
Fenland	PTPN9	rs77716675	0.198	0.183	1.22 (0.85, 1.75)	0.281	0.895	NA	NA	NA
Fenland	PLD3	rs12151243	-0.291	0.270	0.75 (0.44, 1.27)	0.281	0.895	NA	NA	NA
Fenland	MYO6	rs41269323	-0.428	0.397	0.65 (0.30, 1.42)	0.281	0.895	NA	NA	NA
Fenland	FAH	rs11555096	-0.051	0.047	0.95 (0.87, 1.04)	0.282	0.895	NA	NA	NA
Fenland	SMAP1	rs1917342	0.063	0.059	1.07 (0.95, 1.20)	0.282	0.895	NA	NA	NA
Fenland	CADM1	rs11215391	-0.198	0.184	0.82 (0.57, 1.18)	0.282	0.895	NA	NA	NA
Fenland	PLAT	rs8178885	-0.185	0.172	0.83 (0.59, 1.16)	0.283	0.895	NA	NA	NA
Fenland	ARSK	rs17084933	-0.199	0.185	0.82 (0.57, 1.18)	0.283	0.895	NA	NA	NA
Fenland	BMPER	rs16879245	0.237	0.222	1.27 (0.82, 1.96)	0.284	0.895	NA	NA	NA
Fenland	ABL2	rs72709461	0.309	0.288	1.36 (0.77, 2.40)	0.284	0.895	NA	NA	NA
Fenland	NID2	rs2516600	0.033	0.031	1.03 (0.97, 1.10)	0.285	0.895	NA	NA	NA
Fenland	GP5	rs1466733	0.236	0.221	1.27 (0.82, 1.95)	0.285	0.895	NA	NA	NA
Fenland	PIP4K2A	rs4498867	-0.131	0.123	0.88 (0.69, 1.12)	0.287	0.896	NA	NA	NA
Fenland	PSG4	rs12978398	-0.042	0.039	0.96 (0.89, 1.04)	0.288	0.899	NA	NA	NA
Fenland	AOC1	rs10452848	-0.033	0.031	0.97 (0.91, 1.03)	0.289	0.899	NA	NA	NA
Fenland	ASL	rs4145009	0.183	0.173	1.20 (0.85, 1.69)	0.291	0.900	NA	NA	NA
Fenland	TPST2	rs6005067	0.109	0.104	1.12 (0.91, 1.37)	0.292	0.900	NA	NA	NA
Fenland	POLI	rs3218784	-0.182	0.173	0.83 (0.59, 1.17)	0.292	0.900	NA	NA	NA
Fenland	LGALS3BP	rs111526614	-0.325	0.309	0.72 (0.39, 1.32)	0.292	0.900	NA	NA	NA
Fenland	USP15	rs73139022	-0.145	0.137	0.87 (0.66, 1.13)	0.293	0.900	NA	NA	NA
Fenland	EVA1C	rs34028712	-0.163	0.155	0.85 (0.63, 1.15)	0.293	0.900	NA	NA	NA
Fenland	PROS1	rs9290378	-0.223	0.212	0.80 (0.53, 1.21)	0.294	0.900	NA	NA	NA
Fenland	CRISP2	rs555247	-0.053	0.050	0.95 (0.86, 1.05)	0.295	0.901	NA	NA	NA
Fenland	SIRPB1	rs12480515	-0.034	0.032	0.97 (0.91, 1.03)	0.297	0.904	NA	NA	NA
Fenland	FGL1	rs7815429	0.052	0.050	1.05 (0.96, 1.16)	0.298	0.904	NA	NA	NA
Fenland	LY96 TLR4	rs117343502	-0.063	0.061	0.94 (0.83, 1.06)	0.298	0.904	NA	NA	NA
Fenland	KIAA1549L	rs2753408	-0.055	0.053	0.95 (0.85, 1.05)	0.299	0.905	NA	NA	NA
Fenland	CD200R1	rs9847365	0.113	0.109	1.12 (0.90, 1.39)	0.300	0.905	NA	NA	NA
Fenland	PLXNA1	rs7644947	0.134	0.130	1.14 (0.89, 1.48)	0.301	0.906	NA	NA	NA

Fenland	GKN2	rs62133344	0.070	0.068	1.07 (0.94, 1.23)	0.303	0.910	NA	NA	NA
Fenland	RARRES1	rs61696028	0.024	0.024	1.02 (0.98, 1.07)	0.306	0.912	NA	NA	NA
Fenland	DECR2	rs3743890	-0.040	0.040	0.96 (0.89, 1.04)	0.307	0.912	NA	NA	NA
Fenland	S100A12	rs3014874	-0.114	0.112	0.89 (0.72, 1.11)	0.307	0.912	NA	NA	NA
Fenland	NAXE	rs6427322	-0.129	0.127	0.88 (0.69, 1.13)	0.309	0.912	NA	NA	NA
Fenland	CSGALNACT2	rs2435340	-0.165	0.163	0.85 (0.62, 1.17)	0.309	0.912	NA	NA	NA
Fenland	CSRP1	rs12729389	-0.268	0.263	0.77 (0.46, 1.28)	0.309	0.912	NA	NA	NA
Fenland	BCHE	rs17713088	0.046	0.045	1.05 (0.96, 1.14)	0.310	0.912	NA	NA	NA
Fenland	CEL	rs56272996	0.109	0.107	1.11 (0.90, 1.38)	0.310	0.912	NA	NA	NA
Fenland	RNPEP	rs11810017	0.087	0.086	1.09 (0.92, 1.29)	0.311	0.912	NA	NA	NA
Fenland	VIT	rs1468810	-0.099	0.098	0.91 (0.75, 1.10)	0.311	0.912	NA	NA	NA
Fenland	RGMA	rs4778091	0.119	0.118	1.13 (0.89, 1.42)	0.311	0.912	NA	NA	NA
Fenland	ERO1B	rs2463186	0.256	0.253	1.29 (0.79, 2.12)	0.312	0.914	NA	NA	NA
Fenland	CD68	rs9901675	0.283	0.280	1.33 (0.77, 2.30)	0.313	0.915	NA	NA	NA
Fenland	ITPKA	rs316617	0.112	0.112	1.12 (0.90, 1.39)	0.314	0.916	NA	NA	NA
Fenland	LCN1	rs11103042	-0.185	0.185	0.83 (0.58, 1.19)	0.317	0.921	NA	NA	NA
Fenland	PIGR	rs908702	0.145	0.146	1.16 (0.87, 1.54)	0.321	0.923	NA	NA	NA
Fenland	GLO1	rs35152718	0.206	0.208	1.23 (0.82, 1.85)	0.322	0.923	NA	NA	NA
Fenland	LILRB3	rs3745410	-0.053	0.053	0.95 (0.85, 1.05)	0.323	0.923	NA	NA	NA
Fenland	AMY2A	rs78245241	0.072	0.073	1.07 (0.93, 1.24)	0.323	0.923	NA	NA	NA
Fenland	TNFAIP8	rs1032859	-0.125	0.127	0.88 (0.69, 1.13)	0.324	0.923	NA	NA	NA
Fenland	COLEC12	rs7243583	0.228	0.231	1.26 (0.80, 1.98)	0.324	0.923	NA	NA	NA
Fenland	PSG3	rs2355433	-0.035	0.036	0.97 (0.90, 1.04)	0.325	0.923	NA	NA	NA
Fenland	CPXM1	rs13043754	0.062	0.063	1.06 (0.94, 1.20)	0.325	0.923	NA	NA	NA
Fenland	ESM1	rs4242051	0.196	0.199	1.22 (0.82, 1.80)	0.325	0.923	NA	NA	NA
Fenland	DNAJC17	rs11070295	0.162	0.165	1.18 (0.85, 1.63)	0.326	0.923	NA	NA	NA
Fenland	TNFRSF1B	rs5746011	-0.168	0.171	0.85 (0.60, 1.18)	0.326	0.923	NA	NA	NA
Fenland	AGAP2	rs12371356	-0.214	0.218	0.81 (0.53, 1.24)	0.326	0.923	NA	NA	NA
Fenland	CR1	rs679515	0.054	0.055	1.06 (0.95, 1.17)	0.327	0.923	NA	NA	NA
Fenland	ART4 MGP	rs10772808	-0.028	0.028	0.97 (0.92, 1.03)	0.329	0.926	NA	NA	NA
Fenland	PEAR1	rs12041331	-0.266	0.273	0.77 (0.45, 1.31)	0.329	0.926	NA	NA	NA
Fenland	LGALS3	rs76424323	0.058	0.059	1.06 (0.94, 1.19)	0.332	0.926	NA	NA	NA
Fenland	PTN	rs10255150	-0.144	0.149	0.87 (0.65, 1.16)	0.332	0.926	NA	NA	NA

Fenland	PF4	rs11574452	-0.258	0.266	0.77 (0.46, 1.30)	0.332	0.926	NA	NA	NA
Fenland	CST5	rs4642010	-0.042	0.043	0.96 (0.88, 1.04)	0.333	0.926	NA	NA	NA
Fenland	DLK1	rs12881545	0.047	0.049	1.05 (0.95, 1.15)	0.334	0.926	NA	NA	NA
Fenland	RBP1	rs2071387	-0.202	0.209	0.82 (0.54, 1.23)	0.334	0.926	NA	NA	NA
Fenland	LIFR	rs3729741	0.236	0.245	1.27 (0.78, 2.05)	0.335	0.926	NA	NA	NA
Fenland	IDH1	rs34599179	0.374	0.388	1.45 (0.68, 3.11)	0.335	0.926	NA	NA	NA
Fenland	ANXA4	rs2228203	-0.079	0.082	0.92 (0.79, 1.09)	0.336	0.926	NA	NA	NA
Fenland	GBP1	rs12089335	-0.169	0.176	0.84 (0.60, 1.19)	0.336	0.926	NA	NA	NA
Fenland	LGALS2	rs12484334	-0.087	0.091	0.92 (0.77, 1.10)	0.337	0.927	NA	NA	NA
Fenland	MMP7	rs11568819	-0.083	0.088	0.92 (0.78, 1.09)	0.343	0.937	NA	NA	NA
Fenland	PARVA	rs4757383	-0.173	0.183	0.84 (0.59, 1.20)	0.343	0.937	NA	NA	NA
Fenland	EDAR	rs75147553	0.057	0.060	1.06 (0.94, 1.19)	0.344	0.937	NA	NA	NA
Fenland	FETUB	rs5030103	-0.073	0.077	0.93 (0.80, 1.08)	0.344	0.937	NA	NA	NA
Fenland	CA1	rs10098816	0.292	0.309	1.34 (0.73, 2.46)	0.344	0.937	NA	NA	NA
Fenland	CMBL	rs11738492	0.151	0.161	1.16 (0.85, 1.59)	0.349	0.945	NA	NA	NA
Fenland	SEMA3C	rs7783868	0.170	0.182	1.19 (0.83, 1.70)	0.350	0.945	NA	NA	NA
Fenland	SIGLEC5	rs872629	-0.038	0.040	0.96 (0.89, 1.04)	0.351	0.945	NA	NA	NA
Fenland	SIGLEC5	rs872629	-0.038	0.040	0.96 (0.89, 1.04)	0.351	0.945	NA	NA	NA
Fenland	PEBP1	rs76597567	-0.090	0.096	0.91 (0.76, 1.10)	0.351	0.945	NA	NA	NA
Fenland	GNMT	rs6458314	-0.058	0.062	0.94 (0.84, 1.07)	0.354	0.945	NA	NA	NA
Fenland	FAHD1	rs1143032	0.046	0.050	1.05 (0.95, 1.15)	0.355	0.945	NA	NA	NA
Fenland	GP6	rs1654425	-0.077	0.084	0.93 (0.79, 1.09)	0.356	0.945	NA	NA	NA
Fenland	PLXNB2	rs28578714	-0.048	0.052	0.95 (0.86, 1.06)	0.357	0.945	NA	NA	NA
Fenland	CPB1	rs2291671	-0.099	0.107	0.91 (0.73, 1.12)	0.357	0.945	NA	NA	NA
Fenland	C1QTNF3	rs840390	0.119	0.129	1.13 (0.87, 1.45)	0.357	0.945	NA	NA	NA
Fenland	IBSP	rs2616262	-0.181	0.196	0.83 (0.57, 1.23)	0.357	0.945	NA	NA	NA
Fenland	FUT5	rs8101625	0.065	0.071	1.07 (0.93, 1.23)	0.358	0.945	NA	NA	NA
Fenland	ERN1	rs8076809	-0.202	0.220	0.82 (0.53, 1.26)	0.358	0.945	NA	NA	NA
Fenland	BCAT2	rs117048185	-0.210	0.229	0.81 (0.52, 1.27)	0.358	0.945	NA	NA	NA
Fenland	GDF15	rs75347775	-0.067	0.073	0.94 (0.81, 1.08)	0.360	0.948	NA	NA	NA
Fenland	NOTCH1	rs9411207	-0.246	0.269	0.78 (0.46, 1.33)	0.361	0.950	NA	NA	NA
Fenland	SELENOW	rs12608475	0.158	0.174	1.17 (0.83, 1.65)	0.364	0.951	NA	NA	NA

Fenland	ENDOU	rs11168216	-0.170	0.187	0.84 (0.58, 1.22)	0.364	0.951	NA	NA	NA
Fenland	PLA2G2A	rs11573156	-0.033	0.037	0.97 (0.90, 1.04)	0.365	0.951	NA	NA	NA
Fenland	NT5DC3	rs954921	-0.038	0.042	0.96 (0.89, 1.05)	0.365	0.951	NA	NA	NA
Fenland	ADGRE2	rs12973667	-0.081	0.089	0.92 (0.77, 1.10)	0.365	0.951	NA	NA	NA
Fenland	KREMEN1	rs713526	-0.115	0.127	0.89 (0.70, 1.14)	0.367	0.952	NA	NA	NA
Fenland	AKR1A1	rs72688441	0.049	0.055	1.05 (0.94, 1.17)	0.368	0.952	NA	NA	NA
Fenland	PXDN	rs34008669	-0.161	0.178	0.85 (0.60, 1.21)	0.368	0.952	NA	NA	NA
Fenland	CST7	rs2151462	0.034	0.038	1.03 (0.96, 1.11)	0.370	0.954	NA	NA	NA
Fenland	PLEK	rs1867312	0.179	0.200	1.20 (0.81, 1.77)	0.370	0.954	NA	NA	NA
Fenland	EGFR	rs12669749	-0.200	0.224	0.82 (0.53, 1.27)	0.371	0.954	NA	NA	NA
Fenland	PPFIA1	rs55678639	-0.248	0.277	0.78 (0.45, 1.34)	0.372	0.954	NA	NA	NA
Fenland	NA	rs10445391	-0.028	0.031	0.97 (0.92, 1.03)	0.373	0.955	NA	NA	NA
Fenland	LRP11	rs9322225	0.026	0.029	1.03 (0.97, 1.09)	0.375	0.955	NA	NA	NA
Fenland	CST3	rs734801	0.066	0.075	1.07 (0.92, 1.24)	0.375	0.955	NA	NA	NA
Fenland	SMPD1	rs1050239	0.076	0.086	1.08 (0.91, 1.28)	0.375	0.955	NA	NA	NA
Fenland	FAM171B	rs76851721	0.127	0.143	1.14 (0.86, 1.50)	0.375	0.955	NA	NA	NA
Fenland	GNLY	rs12151621	0.031	0.034	1.03 (0.96, 1.10)	0.376	0.955	NA	NA	NA
Fenland	CCL25	rs74959615	0.035	0.040	1.04 (0.96, 1.12)	0.378	0.955	NA	NA	NA
Fenland	CLEC3B	rs10514712	0.103	0.117	1.11 (0.88, 1.39)	0.378	0.955	NA	NA	NA
Fenland	CFHR2 CFHR4	rs4915363	-0.034	0.038	0.97 (0.90, 1.04)	0.379	0.955	NA	NA	NA
Fenland	SERPINF1	rs62088172	0.065	0.074	1.07 (0.92, 1.23)	0.380	0.955	NA	NA	NA
Fenland	CETN3	rs6864721	-0.153	0.174	0.86 (0.61, 1.21)	0.380	0.955	NA	NA	NA
Fenland	SPARCL1	rs7671511	-0.037	0.042	0.96 (0.89, 1.05)	0.381	0.955	NA	NA	NA
Fenland	TP53I3	rs1134516	0.050	0.058	1.05 (0.94, 1.18)	0.381	0.955	NA	NA	NA
Fenland	REG1B	rs11126696	-0.082	0.094	0.92 (0.77, 1.11)	0.383	0.957	NA	NA	NA
Fenland	SPINK4	rs1630171	-0.077	0.089	0.93 (0.78, 1.10)	0.385	0.958	NA	NA	NA
Fenland	SH3BGRL2	rs2812679	-0.199	0.229	0.82 (0.52, 1.28)	0.386	0.958	NA	NA	NA
Fenland	PLA2G12B	rs10823949	-0.196	0.227	0.82 (0.53, 1.28)	0.387	0.958	NA	NA	NA
Fenland	ITIH5	rs6602258	-0.084	0.097	0.92 (0.76, 1.11)	0.389	0.958	NA	NA	NA
Fenland	ECH1	rs2229259	0.049	0.057	1.05 (0.94, 1.18)	0.390	0.958	NA	NA	NA
Fenland	GRPEL1	rs56659624	-0.138	0.161	0.87 (0.64, 1.19)	0.391	0.958	NA	NA	NA
Fenland	AKR7A2	rs12122880	-0.087	0.101	0.92 (0.75, 1.12)	0.392	0.958	NA	NA	NA
Fenland	GLTPD2	rs34460487	-0.085	0.099	0.92 (0.76, 1.12)	0.393	0.958	NA	NA	NA

Fenland	LINGO1	rs4886904	0.233	0.273	1.26 (0.74, 2.16)	0.394	0.958	NA	NA	NA
Fenland	CLIC5	rs35822882	-0.097	0.114	0.91 (0.73, 1.14)	0.395	0.958	NA	NA	NA
Fenland	NPTX2	rs11773439	-0.124	0.146	0.88 (0.66, 1.18)	0.395	0.958	NA	NA	NA
Fenland	CD72	rs7465764	-0.135	0.158	0.87 (0.64, 1.19)	0.395	0.958	NA	NA	NA
Fenland	FOLH1	rs61886537	-0.107	0.125	0.90 (0.70, 1.15)	0.396	0.958	NA	NA	NA
Fenland	C4A CFB	rs453821	-0.182	0.215	0.83 (0.55, 1.27)	0.396	0.958	NA	NA	NA
Fenland	OLFM3	rs1938364	-0.147	0.174	0.86 (0.61, 1.21)	0.398	0.958	NA	NA	NA
Fenland	F13B	rs2298882	0.052	0.061	1.05 (0.93, 1.19)	0.401	0.958	NA	NA	NA
Fenland	QPCT	rs4670193	0.110	0.131	1.12 (0.86, 1.44)	0.401	0.958	NA	NA	NA
Fenland	ABLIM3	rs114464628	0.135	0.161	1.14 (0.83, 1.57)	0.401	0.958	NA	NA	NA
Fenland	ASPN OGN	rs7045409	-0.050	0.060	0.95 (0.85, 1.07)	0.403	0.958	NA	NA	NA
Fenland	OAF	rs2845705	0.043	0.051	1.04 (0.94, 1.15)	0.404	0.958	NA	NA	NA
Fenland	WVOX	rs11545029	-0.098	0.118	0.91 (0.72, 1.14)	0.404	0.958	NA	NA	NA
Fenland	ERAP1	rs467735	0.021	0.025	1.02 (0.97, 1.07)	0.405	0.958	NA	NA	NA
Fenland	F5	rs9332701	-0.090	0.107	0.91 (0.74, 1.13)	0.405	0.958	NA	NA	NA
Fenland	WFDC1	rs400345	-0.052	0.063	0.95 (0.84, 1.07)	0.406	0.958	NA	NA	NA
Fenland	CFHR2 CFHR4	rs4085749	-0.023	0.028	0.98 (0.92, 1.03)	0.407	0.958	NA	NA	NA
Fenland	TESC	rs59756806	0.031	0.038	1.03 (0.96, 1.11)	0.407	0.958	NA	NA	NA
Fenland	DSCAM	rs78111814	0.103	0.124	1.11 (0.87, 1.41)	0.407	0.958	NA	NA	NA
Fenland	NT5C	rs78625720	0.049	0.060	1.05 (0.93, 1.18)	0.409	0.958	NA	NA	NA
Fenland	CFHR5	rs79801780	0.072	0.087	1.07 (0.91, 1.27)	0.409	0.958	NA	NA	NA
Fenland	FAM234B	rs117688503	0.156	0.189	1.17 (0.81, 1.69)	0.409	0.958	NA	NA	NA
Fenland	MRC2	rs146385050	-0.132	0.160	0.88 (0.64, 1.20)	0.410	0.958	NA	NA	NA
Fenland	PLXNA4	rs6467443	0.173	0.210	1.19 (0.79, 1.79)	0.410	0.958	NA	NA	NA
Fenland	RSPO4	rs75904281	-0.425	0.516	0.65 (0.24, 1.80)	0.410	0.958	NA	NA	NA
Fenland	ALPG ALPP	rs11886043	0.099	0.120	1.10 (0.87, 1.40)	0.411	0.958	NA	NA	NA
Fenland	SAT2	rs858522	0.045	0.055	1.05 (0.94, 1.16)	0.412	0.958	NA	NA	NA
Fenland	C2	rs115204832	0.073	0.089	1.08 (0.90, 1.28)	0.412	0.958	NA	NA	NA
Fenland	STAT3	rs35950888	0.080	0.097	1.08 (0.90, 1.31)	0.412	0.958	NA	NA	NA
Fenland	RBM17	rs7096838	0.096	0.117	1.10 (0.88, 1.38)	0.412	0.958	NA	NA	NA
Fenland	TES	rs13223583	-0.155	0.189	0.86 (0.59, 1.24)	0.413	0.958	NA	NA	NA
Fenland	PCDH9	rs4883797	-0.141	0.173	0.87 (0.62, 1.22)	0.414	0.958	NA	NA	NA
Fenland	SELP	rs6136	0.122	0.150	1.13 (0.84, 1.52)	0.415	0.958	NA	NA	NA

Fenland	MAPK3	rs9931927	0.052	0.064	1.05 (0.93, 1.19)	0.416	0.958	NA	NA	NA
Fenland	METTL24	rs12664330	-0.178	0.219	0.84 (0.55, 1.29)	0.416	0.958	NA	NA	NA
Fenland	PRG3	rs7107352	-0.220	0.271	0.80 (0.47, 1.37)	0.417	0.958	NA	NA	NA
Fenland	APOH	rs1801689	-0.053	0.065	0.95 (0.84, 1.08)	0.418	0.958	NA	NA	NA
Fenland	SIAE	rs78778622	0.161	0.199	1.17 (0.79, 1.74)	0.419	0.958	NA	NA	NA
Fenland	IDI2	rs1044261	0.112	0.139	1.12 (0.85, 1.47)	0.420	0.958	NA	NA	NA
Fenland	HOMER2	rs34347059	-0.197	0.245	0.82 (0.51, 1.33)	0.421	0.958	NA	NA	NA
Fenland	HMOX1	rs73172715	0.236	0.293	1.27 (0.71, 2.25)	0.421	0.958	NA	NA	NA
Fenland	SERPINA10	rs12434093	0.028	0.035	1.03 (0.96, 1.10)	0.422	0.958	NA	NA	NA
Fenland	NCR3	rs986475	0.077	0.096	1.08 (0.90, 1.30)	0.422	0.958	NA	NA	NA
Fenland	RNASE6	rs72669422	0.019	0.024	1.02 (0.97, 1.07)	0.423	0.958	NA	NA	NA
Fenland	PGP	rs116977380	0.076	0.095	1.08 (0.90, 1.30)	0.424	0.958	NA	NA	NA
Fenland	TFF3	rs75307655	-0.229	0.287	0.80 (0.45, 1.40)	0.425	0.958	NA	NA	NA
Fenland	PRTN3	rs6510982	0.051	0.065	1.05 (0.93, 1.19)	0.426	0.958	NA	NA	NA
Fenland	FCMR	rs1856747	-0.180	0.227	0.83 (0.54, 1.30)	0.426	0.958	NA	NA	NA
Fenland	TFF3	rs75307655	-0.368	0.462	0.69 (0.28, 1.71)	0.426	0.958	NA	NA	NA
Fenland	SPINK1	rs3777125	-0.164	0.207	0.85 (0.57, 1.27)	0.427	0.958	NA	NA	NA
Fenland	GNPNAT1	rs12147912	0.215	0.271	1.24 (0.73, 2.11)	0.427	0.958	NA	NA	NA
Fenland	ASAH2	rs2842126	-0.039	0.049	0.96 (0.87, 1.06)	0.430	0.958	NA	NA	NA
Fenland	FHIT	rs13070475	0.160	0.202	1.17 (0.79, 1.74)	0.430	0.958	NA	NA	NA
Fenland	KCNAB2	rs806109	-0.125	0.158	0.88 (0.65, 1.20)	0.431	0.958	NA	NA	NA
Fenland	HNRNPAB	rs6897795	-0.188	0.239	0.83 (0.52, 1.32)	0.431	0.958	NA	NA	NA
Fenland	PRSS57	rs9304936	0.043	0.055	1.04 (0.94, 1.16)	0.432	0.958	NA	NA	NA
Fenland	IL9	rs6596287	-0.152	0.194	0.86 (0.59, 1.26)	0.433	0.958	NA	NA	NA
Fenland	XRCC4	rs11953364	-0.155	0.198	0.86 (0.58, 1.26)	0.433	0.958	NA	NA	NA
Fenland	MAD1L1	rs1639916	0.159	0.203	1.17 (0.79, 1.75)	0.433	0.958	NA	NA	NA
Fenland	SPATA20	rs8076632	0.026	0.033	1.03 (0.96, 1.09)	0.434	0.958	NA	NA	NA
Fenland	CNTNAP2	rs6969311	0.039	0.050	1.04 (0.94, 1.15)	0.434	0.958	NA	NA	NA
Fenland	NAGLU	rs77942990	-0.040	0.052	0.96 (0.87, 1.06)	0.434	0.958	NA	NA	NA
Fenland	LCT	rs4988235	-0.025	0.032	0.98 (0.91, 1.04)	0.436	0.959	NA	NA	NA
Fenland	POGLUT1	rs115630304	-0.057	0.074	0.94 (0.82, 1.09)	0.438	0.959	NA	NA	NA
Fenland	PLG	rs144981713	-0.116	0.149	0.89 (0.67, 1.19)	0.438	0.959	NA	NA	NA
Fenland	TLE5	rs11539938	0.245	0.315	1.28 (0.69, 2.37)	0.438	0.959	NA	NA	NA

Fenland	BOLA1 SF3B4 SV2A	rs16836630	0.099	0.129	1.10 (0.86, 1.42)	0.441	0.963	NA	NA	NA
Fenland	CD274	rs1411262	-0.076	0.099	0.93 (0.76, 1.13)	0.442	0.963	NA	NA	NA
Fenland	OLFML3	rs7522987	0.132	0.172	1.14 (0.81, 1.60)	0.442	0.963	NA	NA	NA
Fenland	LILRA2	rs28635090	-0.059	0.077	0.94 (0.81, 1.10)	0.444	0.963	NA	NA	NA
Fenland	RRM2B	rs16869295	-0.081	0.106	0.92 (0.75, 1.14)	0.444	0.963	NA	NA	NA
Fenland	NPW	rs12921264	0.048	0.064	1.05 (0.93, 1.19)	0.448	0.963	NA	NA	NA
Fenland	PRDX1	rs2356552	0.098	0.129	1.10 (0.86, 1.42)	0.448	0.963	NA	NA	NA
Fenland	BTC	rs28690341	0.051	0.067	1.05 (0.92, 1.20)	0.449	0.963	NA	NA	NA
Fenland	IL7R	rs6451229	0.115	0.151	1.12 (0.83, 1.51)	0.449	0.963	NA	NA	NA
Fenland	BOC	rs34284771	0.118	0.157	1.13 (0.83, 1.53)	0.450	0.963	NA	NA	NA
Fenland	PCSK2	rs6044697	-0.095	0.126	0.91 (0.71, 1.16)	0.451	0.963	NA	NA	NA
Fenland	CXCL16	rs1876444	-0.104	0.137	0.90 (0.69, 1.18)	0.451	0.963	NA	NA	NA
Fenland	NDRG3	rs111279459	0.128	0.170	1.14 (0.82, 1.58)	0.451	0.963	NA	NA	NA
Fenland	HPSE	rs61751211	0.142	0.189	1.15 (0.80, 1.67)	0.452	0.963	NA	NA	NA
Fenland	EPHA4	rs13420556	0.143	0.190	1.15 (0.80, 1.67)	0.452	0.963	NA	NA	NA
Fenland	IDE	rs11187046	-0.187	0.250	0.83 (0.51, 1.35)	0.453	0.963	NA	NA	NA
Fenland	CLEC4C	rs7302014	0.033	0.044	1.03 (0.95, 1.13)	0.454	0.963	NA	NA	NA
Fenland	BPI	rs6127742	-0.048	0.064	0.95 (0.84, 1.08)	0.454	0.963	NA	NA	NA
Fenland	HDHD2	rs75934126	0.093	0.124	1.10 (0.86, 1.40)	0.454	0.963	NA	NA	NA
Fenland	CCL7 CCL8	rs1133763	0.021	0.028	1.02 (0.97, 1.08)	0.455	0.963	NA	NA	NA
Fenland	CCL7 CCL8	rs1133763	0.028	0.038	1.03 (0.96, 1.11)	0.455	0.963	NA	NA	NA
Fenland	EFS	rs10137082	-0.203	0.273	0.82 (0.48, 1.39)	0.456	0.963	NA	NA	NA
Fenland	XCL2	rs10753774	-0.203	0.273	0.82 (0.48, 1.39)	0.457	0.963	NA	NA	NA
Fenland	TMEM132C	rs11608284	0.109	0.147	1.12 (0.84, 1.49)	0.458	0.963	NA	NA	NA
Fenland	HMG20B	rs76422466	0.283	0.381	1.33 (0.63, 2.80)	0.458	0.963	NA	NA	NA
Fenland	ANGPTL1	rs4548397	-0.045	0.060	0.96 (0.85, 1.08)	0.459	0.963	NA	NA	NA
Fenland	EPB41	rs7556059	-0.192	0.260	0.83 (0.50, 1.37)	0.459	0.963	NA	NA	NA
Fenland	RNASE1	rs17254387	-0.096	0.131	0.91 (0.70, 1.17)	0.462	0.967	NA	NA	NA
Fenland	CRADD	rs56944668	0.166	0.226	1.18 (0.76, 1.84)	0.462	0.967	NA	NA	NA
Fenland	LPO	rs8178290	-0.082	0.112	0.92 (0.74, 1.15)	0.464	0.967	NA	NA	NA
Fenland	HAGH	rs7185299	0.097	0.132	1.10 (0.85, 1.43)	0.464	0.967	NA	NA	NA
Fenland	MAPK13	rs12210904	0.108	0.147	1.11 (0.83, 1.49)	0.465	0.967	NA	NA	NA
Fenland	LANCL1	rs3856349	0.149	0.204	1.16 (0.78, 1.73)	0.466	0.967	NA	NA	NA

Fenland	BST1	rs73224660	0.019	0.026	1.02 (0.97, 1.07)	0.469	0.971	NA	NA	NA
Fenland	GCKR	rs1260326	-0.062	0.086	0.94 (0.79, 1.11)	0.469	0.971	NA	NA	NA
Fenland	MXRA8	rs307348	0.170	0.236	1.19 (0.75, 1.88)	0.470	0.972	NA	NA	NA
Fenland	MMP10	rs17860955	-0.072	0.101	0.93 (0.76, 1.13)	0.473	0.972	NA	NA	NA
Fenland	PDLIM4	rs4877	0.063	0.088	1.07 (0.90, 1.27)	0.475	0.972	NA	NA	NA
Fenland	DPT	rs1018454	0.046	0.064	1.05 (0.92, 1.19)	0.476	0.972	NA	NA	NA
Fenland	BOLA1 SF3B4 SV2A	rs1451641	-0.028	0.039	0.97 (0.90, 1.05)	0.477	0.972	NA	NA	NA
Fenland	CD300A	rs2272111	-0.036	0.051	0.96 (0.87, 1.07)	0.479	0.972	NA	NA	NA
Fenland	SLAMF6	rs11265413	-0.063	0.089	0.94 (0.79, 1.12)	0.481	0.972	NA	NA	NA
Fenland	CNN1	rs73512794	-0.109	0.155	0.90 (0.66, 1.22)	0.481	0.972	NA	NA	NA
Fenland	TGFBI	rs13159365	-0.030	0.044	0.97 (0.89, 1.06)	0.483	0.972	NA	NA	NA
Fenland	KYNU	rs73961713	-0.028	0.041	0.97 (0.90, 1.05)	0.485	0.972	NA	NA	NA
Fenland	PDLIM1	rs1328599	0.154	0.221	1.17 (0.76, 1.80)	0.487	0.972	NA	NA	NA
Fenland	VWC2	rs1974955	-0.068	0.098	0.93 (0.77, 1.13)	0.488	0.972	NA	NA	NA
Fenland	TFRC	rs11917973	0.187	0.270	1.21 (0.71, 2.05)	0.489	0.972	NA	NA	NA
Fenland	C7	rs74480769	-0.043	0.063	0.96 (0.85, 1.08)	0.490	0.972	NA	NA	NA
Fenland	FSTL4	rs3749820	0.106	0.153	1.11 (0.82, 1.50)	0.491	0.972	NA	NA	NA
Fenland	MAN1C1	rs2072748	-0.071	0.103	0.93 (0.76, 1.14)	0.492	0.972	NA	NA	NA
Fenland	CLEC11A	rs116924815	0.054	0.079	1.06 (0.90, 1.23)	0.493	0.972	NA	NA	NA
Fenland	DKK3	rs11022114	-0.059	0.086	0.94 (0.80, 1.12)	0.493	0.972	NA	NA	NA
Fenland	CLEC11A	rs116924815	0.059	0.086	1.06 (0.90, 1.26)	0.493	0.972	NA	NA	NA
Fenland	PRPSAP2	rs11078421	-0.124	0.181	0.88 (0.62, 1.26)	0.493	0.972	NA	NA	NA
Fenland	UCMA	rs1537771	0.059	0.086	1.06 (0.90, 1.25)	0.494	0.972	NA	NA	NA
Fenland	PCSK9	rs11591147	0.104	0.152	1.11 (0.82, 1.49)	0.496	0.972	NA	NA	NA
Fenland	TREML2	rs62396356	0.025	0.036	1.02 (0.95, 1.10)	0.497	0.972	NA	NA	NA
Fenland	BOLA1 SF3B4 SV2A	rs72692816	0.167	0.246	1.18 (0.73, 1.91)	0.497	0.972	NA	NA	NA
Fenland	TNFSF8	rs1006026	-0.076	0.112	0.93 (0.74, 1.15)	0.498	0.972	NA	NA	NA
Fenland	CTSO	rs2334114	-0.147	0.218	0.86 (0.56, 1.32)	0.498	0.972	NA	NA	NA
Fenland	SRI	rs77010538	0.103	0.153	1.11 (0.82, 1.50)	0.499	0.972	NA	NA	NA
Fenland	PDGFRA	rs2307050	0.141	0.209	1.15 (0.76, 1.74)	0.499	0.972	NA	NA	NA
Fenland	FAS	rs10887883	-0.092	0.136	0.91 (0.70, 1.19)	0.500	0.972	NA	NA	NA
Fenland	MLYCD	rs9931691	0.123	0.182	1.13 (0.79, 1.61)	0.500	0.972	NA	NA	NA
Fenland	ROBO1	rs13083361	0.155	0.230	1.17 (0.74, 1.84)	0.500	0.972	NA	NA	NA

Fenland	IGDCC4	rs35223184	0.078	0.116	1.08 (0.86, 1.36)	0.501	0.972	NA	NA	NA
Fenland	PDCD6IP	rs9876986	0.133	0.198	1.14 (0.77, 1.68)	0.501	0.972	NA	NA	NA
Fenland	TTL	rs142185492	-0.169	0.252	0.84 (0.52, 1.38)	0.502	0.972	NA	NA	NA
Fenland	APOL1	rs9610469	-0.040	0.060	0.96 (0.85, 1.08)	0.504	0.972	NA	NA	NA
Fenland	CTRB1	rs8051363	-0.039	0.058	0.96 (0.86, 1.08)	0.507	0.972	NA	NA	NA
Fenland	SIGLEC9	rs2075803	0.014	0.021	1.01 (0.97, 1.06)	0.508	0.972	NA	NA	NA
Fenland	FTCD	rs61735836	0.107	0.161	1.11 (0.81, 1.53)	0.508	0.972	NA	NA	NA
Fenland	NIT2	rs13073252	-0.129	0.195	0.88 (0.60, 1.29)	0.508	0.972	NA	NA	NA
Fenland	ECI2	rs853417	-0.025	0.037	0.98 (0.91, 1.05)	0.509	0.972	NA	NA	NA
Fenland	SH3BGRL3	rs4659424	-0.050	0.075	0.95 (0.82, 1.10)	0.510	0.972	NA	NA	NA
Fenland	GLIPR2	rs4878643	-0.066	0.100	0.94 (0.77, 1.14)	0.510	0.972	NA	NA	NA
Fenland	CA10	rs117399000	0.095	0.144	1.10 (0.83, 1.46)	0.512	0.972	NA	NA	NA
Fenland	TEC	rs6845258	-0.107	0.164	0.90 (0.65, 1.24)	0.513	0.972	NA	NA	NA
Fenland	FASN	rs7225637	0.074	0.114	1.08 (0.86, 1.35)	0.515	0.972	NA	NA	NA
Fenland	UPP1	rs6463455	0.111	0.171	1.12 (0.80, 1.56)	0.515	0.972	NA	NA	NA
Fenland	IL6R	rs2228145	-0.015	0.023	0.99 (0.94, 1.03)	0.516	0.972	NA	NA	NA
Fenland	CREG1	rs1229430	-0.069	0.107	0.93 (0.76, 1.15)	0.516	0.972	NA	NA	NA
Fenland	NUDCD3	rs10233273	-0.078	0.120	0.92 (0.73, 1.17)	0.516	0.972	NA	NA	NA
Fenland	NDST1	rs253293	0.090	0.138	1.09 (0.83, 1.43)	0.516	0.972	NA	NA	NA
Fenland	DDC	rs6956737	-0.170	0.261	0.84 (0.51, 1.41)	0.516	0.972	NA	NA	NA
Fenland	KLK7	rs2659067	0.050	0.077	1.05 (0.90, 1.22)	0.517	0.972	NA	NA	NA
Fenland	ADAMTS13	rs35516997	-0.032	0.049	0.97 (0.88, 1.07)	0.518	0.972	NA	NA	NA
Fenland	TAC1	rs78145257	0.077	0.119	1.08 (0.86, 1.36)	0.518	0.972	NA	NA	NA
Fenland	ACAT2	rs25683	0.038	0.058	1.04 (0.93, 1.16)	0.519	0.972	NA	NA	NA
Fenland	RBP4	rs36014035	-0.124	0.193	0.88 (0.60, 1.29)	0.519	0.972	NA	NA	NA
Fenland	IFNGR2	rs2284553	0.132	0.204	1.14 (0.76, 1.70)	0.519	0.972	NA	NA	NA
Fenland	PLCG1	rs113622480	0.176	0.274	1.19 (0.70, 2.04)	0.519	0.972	NA	NA	NA
Fenland	COCH	rs28400019	0.057	0.088	1.06 (0.89, 1.26)	0.520	0.972	NA	NA	NA
Fenland	ENPP2	rs10107636	0.077	0.121	1.08 (0.85, 1.37)	0.521	0.972	NA	NA	NA
Fenland	ATOX1	rs2915894	-0.169	0.263	0.84 (0.50, 1.41)	0.521	0.972	NA	NA	NA
Fenland	APOA5	rs3135506	0.024	0.037	1.02 (0.95, 1.10)	0.523	0.972	NA	NA	NA
Fenland	NTN4	rs17288108	-0.082	0.128	0.92 (0.72, 1.18)	0.523	0.972	NA	NA	NA
Fenland	PPIL1	rs12194408	0.030	0.047	1.03 (0.94, 1.13)	0.524	0.972	NA	NA	NA

Fenland	NPL	rs74844585	0.089	0.140	1.09 (0.83, 1.44)	0.524	0.972	NA	NA	NA
Fenland	IL17RA	rs4819959	-0.020	0.032	0.98 (0.92, 1.04)	0.525	0.972	NA	NA	NA
Fenland	SEMA4D	rs45464494	-0.021	0.034	0.98 (0.92, 1.05)	0.525	0.972	NA	NA	NA
Fenland	COMP	rs12974746	-0.148	0.234	0.86 (0.55, 1.36)	0.526	0.972	NA	NA	NA
Fenland	GMPR	rs2327958	-0.013	0.021	0.99 (0.95, 1.03)	0.527	0.972	NA	NA	NA
Fenland	IFNAR1	rs2257167	-0.033	0.053	0.97 (0.87, 1.07)	0.527	0.972	NA	NA	NA
Fenland	LYVE1	rs35468145	0.101	0.159	1.11 (0.81, 1.51)	0.527	0.972	NA	NA	NA
Fenland	COL10A1	rs34224224	0.049	0.078	1.05 (0.90, 1.23)	0.529	0.972	NA	NA	NA
Fenland	PLEKHA1	rs10788274	0.029	0.047	1.03 (0.94, 1.13)	0.530	0.972	NA	NA	NA
Fenland	KNG1	rs5030062	0.033	0.052	1.03 (0.93, 1.14)	0.530	0.972	NA	NA	NA
Fenland	NCAN	rs2228603	-0.109	0.174	0.90 (0.64, 1.26)	0.530	0.972	NA	NA	NA
Fenland	MAPK9	rs113096165	-0.072	0.114	0.93 (0.74, 1.16)	0.531	0.972	NA	NA	NA
Fenland	CHKB	rs5770924	-0.168	0.267	0.85 (0.50, 1.43)	0.531	0.972	NA	NA	NA
Fenland	MTIF3	rs1218825	-0.181	0.291	0.83 (0.47, 1.47)	0.533	0.972	NA	NA	NA
Fenland	DPEP2	rs1107767	0.101	0.163	1.11 (0.80, 1.52)	0.538	0.972	NA	NA	NA
Fenland	CFD	rs71335276	-0.146	0.237	0.86 (0.54, 1.37)	0.538	0.972	NA	NA	NA
Fenland	C1S	rs12146727	-0.021	0.034	0.98 (0.92, 1.05)	0.539	0.972	NA	NA	NA
Fenland	C1S	rs12146727	-0.054	0.087	0.95 (0.80, 1.12)	0.539	0.972	NA	NA	NA
Fenland	LGALS4	rs883394	0.155	0.253	1.17 (0.71, 1.92)	0.539	0.972	NA	NA	NA
Fenland	NAP1L4	rs12364426	-0.084	0.138	0.92 (0.70, 1.20)	0.540	0.972	NA	NA	NA
Fenland	IRF3	rs10423580	-0.157	0.256	0.85 (0.52, 1.41)	0.540	0.972	NA	NA	NA
Fenland	TIMD4	rs12657266	-0.073	0.119	0.93 (0.74, 1.17)	0.541	0.972	NA	NA	NA
Fenland	ARHGAP45	rs7251797	-0.081	0.132	0.92 (0.71, 1.20)	0.541	0.972	NA	NA	NA
Fenland	TF	rs1525892	0.121	0.198	1.13 (0.77, 1.66)	0.541	0.972	NA	NA	NA
Fenland	CTSZ	rs75940688	-0.073	0.119	0.93 (0.74, 1.17)	0.542	0.972	NA	NA	NA
Fenland	CD58	rs35768283	0.049	0.081	1.05 (0.90, 1.23)	0.543	0.972	NA	NA	NA
Fenland	IL6ST	rs11739016	-0.051	0.084	0.95 (0.81, 1.12)	0.543	0.972	NA	NA	NA
Fenland	APOBEC3G	rs6519166	0.089	0.146	1.09 (0.82, 1.46)	0.543	0.972	NA	NA	NA
Fenland	MFAP4	rs139356332	-0.106	0.174	0.90 (0.64, 1.27)	0.544	0.972	NA	NA	NA
Fenland	HADH	rs62311424	-0.176	0.292	0.84 (0.47, 1.49)	0.547	0.972	NA	NA	NA
Fenland	KLK14	rs17658926	-0.082	0.136	0.92 (0.71, 1.20)	0.548	0.972	NA	NA	NA
Fenland	ELANE	rs10409474	0.085	0.143	1.09 (0.82, 1.44)	0.549	0.972	NA	NA	NA
Fenland	HJV	rs113404160	-0.121	0.202	0.89 (0.60, 1.32)	0.549	0.972	NA	NA	NA

Fenland	GZMK	rs6891823	0.122	0.205	1.13 (0.76, 1.69)	0.549	0.972	NA	NA	NA
Fenland	COL6A1	rs13053065	-0.013	0.021	0.99 (0.95, 1.03)	0.550	0.972	NA	NA	NA
Fenland	S100A14 S100A16	rs35760493	-0.085	0.143	0.92 (0.69, 1.22)	0.550	0.972	NA	NA	NA
Fenland	SYK	rs34221447	0.101	0.170	1.11 (0.79, 1.55)	0.551	0.972	NA	NA	NA
Fenland	SYK	rs34221447	0.104	0.174	1.11 (0.79, 1.56)	0.551	0.972	NA	NA	NA
Fenland	LIMA1	rs10783342	0.083	0.139	1.09 (0.83, 1.43)	0.552	0.972	NA	NA	NA
Fenland	PIK3CA PIK3R1	rs4637331	0.069	0.116	1.07 (0.85, 1.35)	0.553	0.972	NA	NA	NA
Fenland	CFI	rs7439493	-0.056	0.095	0.95 (0.79, 1.14)	0.554	0.972	NA	NA	NA
Fenland	SULT2A1	rs212099	0.083	0.140	1.09 (0.83, 1.43)	0.554	0.972	NA	NA	NA
Fenland	PLTP	rs6073958	0.024	0.041	1.02 (0.95, 1.11)	0.556	0.972	NA	NA	NA
Fenland	ROR2	rs10820900	-0.098	0.168	0.91 (0.65, 1.26)	0.557	0.972	NA	NA	NA
Fenland	RSPO1	rs36043533	0.086	0.147	1.09 (0.82, 1.46)	0.558	0.972	NA	NA	NA
Fenland	SERPING1	rs11606677	-0.018	0.031	0.98 (0.92, 1.04)	0.559	0.972	NA	NA	NA
Fenland	ITIH1	rs2286798	-0.020	0.034	0.98 (0.92, 1.05)	0.560	0.972	NA	NA	NA
Fenland	ALKBH3	rs2434484	-0.041	0.071	0.96 (0.83, 1.10)	0.560	0.972	NA	NA	NA
Fenland	GNRH2	rs3761244	0.055	0.095	1.06 (0.88, 1.27)	0.560	0.972	NA	NA	NA
Fenland	TXNL4B	rs116891509	0.065	0.111	1.07 (0.86, 1.33)	0.560	0.972	NA	NA	NA
Fenland	CRELD1	rs7650290	0.018	0.031	1.02 (0.96, 1.08)	0.561	0.972	NA	NA	NA
Fenland	GSTM1 GSTM4	rs36209093	0.023	0.040	1.02 (0.95, 1.11)	0.561	0.972	NA	NA	NA
Fenland	GSTM1 GSTM4	rs36209093	0.024	0.041	1.02 (0.95, 1.11)	0.561	0.972	NA	NA	NA
Fenland	RNASE3	rs147307766	0.049	0.084	1.05 (0.89, 1.24)	0.561	0.972	NA	NA	NA
Fenland	MCF2L	rs3011487	-0.039	0.067	0.96 (0.84, 1.10)	0.563	0.972	NA	NA	NA
Fenland	BRSK2	rs7932863	-0.055	0.095	0.95 (0.79, 1.14)	0.564	0.972	NA	NA	NA
Fenland	SRL	rs9922726	0.080	0.139	1.08 (0.83, 1.42)	0.564	0.972	NA	NA	NA
Fenland	MATN2	rs17831160	0.086	0.150	1.09 (0.81, 1.46)	0.564	0.972	NA	NA	NA
Fenland	F7	rs3093253	0.017	0.029	1.02 (0.96, 1.08)	0.567	0.972	NA	NA	NA
Fenland	MYOC	rs7547721	0.039	0.069	1.04 (0.91, 1.19)	0.569	0.972	NA	NA	NA
Fenland	SPINT3	rs6032259	-0.057	0.100	0.94 (0.78, 1.15)	0.569	0.972	NA	NA	NA
Fenland	PTHLH	rs12049916	0.089	0.157	1.09 (0.80, 1.49)	0.570	0.972	NA	NA	NA
Fenland	SERPINA1	rs28929474	-0.035	0.062	0.97 (0.86, 1.09)	0.572	0.972	NA	NA	NA
Fenland	CRHBP	rs1700658	0.023	0.041	1.02 (0.94, 1.11)	0.573	0.972	NA	NA	NA
Fenland	CD209	rs4804774	-0.044	0.078	0.96 (0.82, 1.11)	0.573	0.972	NA	NA	NA
Fenland	FGR	rs3737803	-0.061	0.108	0.94 (0.76, 1.16)	0.573	0.972	NA	NA	NA

Fenland	LDHA	rs111294128	-0.171	0.304	0.84 (0.46, 1.53)	0.575	0.972	NA	NA	NA
Fenland	NT5M	rs192436452	0.063	0.112	1.06 (0.85, 1.33)	0.578	0.972	NA	NA	NA
Fenland	SERPINB8	rs2009989	0.044	0.080	1.05 (0.89, 1.22)	0.579	0.972	NA	NA	NA
Fenland	NTRK3	rs28735437	0.114	0.206	1.12 (0.75, 1.68)	0.579	0.972	NA	NA	NA
Fenland	LEAP2	rs55767930	0.048	0.087	1.05 (0.89, 1.24)	0.580	0.972	NA	NA	NA
Fenland	PRSS27	rs71386687	0.100	0.180	1.10 (0.78, 1.57)	0.580	0.972	NA	NA	NA
Fenland	GPC6	rs1535692	0.148	0.268	1.16 (0.69, 1.96)	0.581	0.972	NA	NA	NA
Fenland	CROT	rs31653	0.030	0.054	1.03 (0.93, 1.15)	0.582	0.972	NA	NA	NA
Fenland	SNAP29	rs73159197	0.091	0.165	1.10 (0.79, 1.51)	0.582	0.972	NA	NA	NA
Fenland	ENPP6	rs78293932	-0.150	0.272	0.86 (0.50, 1.47)	0.582	0.972	NA	NA	NA
Fenland	PPP1R14A SPINT2	rs71354995	-0.018	0.033	0.98 (0.92, 1.05)	0.583	0.972	NA	NA	NA
Fenland	TNFRSF21	rs6458555	0.104	0.190	1.11 (0.77, 1.61)	0.584	0.972	NA	NA	NA
Fenland	REG4	rs79795228	0.198	0.361	1.22 (0.60, 2.48)	0.584	0.972	NA	NA	NA
Fenland	CD177	rs79338083	-0.043	0.078	0.96 (0.82, 1.12)	0.585	0.972	NA	NA	NA
Fenland	FCRL6	rs6657365	-0.077	0.141	0.93 (0.70, 1.22)	0.585	0.972	NA	NA	NA
Fenland	NQO1	rs12232410	-0.018	0.033	0.98 (0.92, 1.05)	0.586	0.972	NA	NA	NA
Fenland	REN	rs141995914	0.109	0.200	1.12 (0.75, 1.65)	0.586	0.972	NA	NA	NA
Fenland	MYBPC1	rs80087033	-0.141	0.259	0.87 (0.52, 1.44)	0.586	0.972	NA	NA	NA
Fenland	AARS1	rs4985404	0.183	0.336	1.20 (0.62, 2.32)	0.586	0.972	NA	NA	NA
Fenland	ANKRD27	rs12151311	0.088	0.161	1.09 (0.80, 1.50)	0.587	0.972	NA	NA	NA
Fenland	EBI3	rs353705	0.015	0.028	1.02 (0.96, 1.07)	0.589	0.972	NA	NA	NA
Fenland	CGA CGB3 CGB5 CGB7 CGB8 LHB	rs144948359	0.071	0.131	1.07 (0.83, 1.39)	0.589	0.972	NA	NA	NA
Fenland	ACP6	rs2153463	0.016	0.030	1.02 (0.96, 1.08)	0.590	0.972	NA	NA	NA
Fenland	CDNF	rs61738953	0.042	0.077	1.04 (0.90, 1.21)	0.590	0.972	NA	NA	NA
Fenland	BCAN	rs2365715	-0.084	0.156	0.92 (0.68, 1.25)	0.590	0.972	NA	NA	NA
Fenland	ITIH3	rs2535629	0.025	0.047	1.03 (0.94, 1.12)	0.591	0.972	NA	NA	NA
Fenland	H6PD	rs2310925	0.027	0.050	1.03 (0.93, 1.13)	0.592	0.972	NA	NA	NA
Fenland	CALCOCO2	rs550510	0.122	0.227	1.13 (0.72, 1.76)	0.592	0.972	NA	NA	NA
Fenland	TNXB	rs45451301	-0.031	0.058	0.97 (0.87, 1.09)	0.593	0.972	NA	NA	NA
Fenland	PPP1R14A SPINT2	rs4803999	-0.037	0.069	0.96 (0.84, 1.10)	0.593	0.972	NA	NA	NA
Fenland	DKK1	rs7097068	0.084	0.157	1.09 (0.80, 1.48)	0.593	0.972	NA	NA	NA
Fenland	CHST15	rs9422302	0.107	0.200	1.11 (0.75, 1.65)	0.593	0.972	NA	NA	NA
Fenland	FAM177A1	rs799473	-0.025	0.048	0.97 (0.89, 1.07)	0.594	0.972	NA	NA	NA

Fenland	CBLN1	rs12596832	-0.018	0.033	0.98 (0.92, 1.05)	0.595	0.972	NA	NA	NA
Fenland	NEK7	rs142662761	-0.112	0.211	0.89 (0.59, 1.35)	0.595	0.972	NA	NA	NA
Fenland	NAGPA	rs12599777	0.058	0.110	1.06 (0.85, 1.31)	0.596	0.972	NA	NA	NA
Fenland	LDLRAP1	rs75446219	0.149	0.280	1.16 (0.67, 2.01)	0.596	0.972	NA	NA	NA
Fenland	HPGDS	rs6532479	-0.031	0.059	0.97 (0.86, 1.09)	0.598	0.972	NA	NA	NA
Fenland	FJX1	rs11033388	0.063	0.119	1.06 (0.84, 1.34)	0.598	0.972	NA	NA	NA
Fenland	DNAJB4	rs6699769	0.067	0.128	1.07 (0.83, 1.37)	0.598	0.972	NA	NA	NA
Fenland	GLCE	rs35810867	-0.019	0.037	0.98 (0.91, 1.05)	0.600	0.972	NA	NA	NA
Fenland	AFM	rs72856641	-0.042	0.081	0.96 (0.82, 1.12)	0.600	0.972	NA	NA	NA
Fenland	ALDOB	rs142540788	-0.088	0.168	0.92 (0.66, 1.27)	0.600	0.972	NA	NA	NA
Fenland	RET	rs2796561	-0.037	0.071	0.96 (0.84, 1.11)	0.601	0.972	NA	NA	NA
Fenland	TAPBPL	rs2532497	-0.011	0.021	0.99 (0.95, 1.03)	0.603	0.972	NA	NA	NA
Fenland	ADAMTSL1	rs776786	-0.072	0.140	0.93 (0.71, 1.22)	0.605	0.972	NA	NA	NA
Fenland	EPHA1	rs4725617	-0.019	0.037	0.98 (0.91, 1.06)	0.606	0.972	NA	NA	NA
Fenland	SRA1	rs801458	0.071	0.138	1.07 (0.82, 1.41)	0.606	0.972	NA	NA	NA
Fenland	SHBG	rs1799941	0.074	0.144	1.08 (0.81, 1.43)	0.607	0.972	NA	NA	NA
Fenland	MATN3	rs11694716	-0.026	0.051	0.97 (0.88, 1.08)	0.608	0.972	NA	NA	NA
Fenland	MGAT4B	rs113756550	-0.046	0.090	0.95 (0.80, 1.14)	0.608	0.972	NA	NA	NA
Fenland	CCDC80	rs6772337	0.111	0.216	1.12 (0.73, 1.71)	0.608	0.972	NA	NA	NA
Fenland	UST	rs11757768	0.045	0.089	1.05 (0.88, 1.24)	0.609	0.972	NA	NA	NA
Fenland	ANG	rs11851044	0.023	0.046	1.02 (0.94, 1.12)	0.610	0.972	NA	NA	NA
Fenland	GRAMD1C	rs1872823	0.026	0.051	1.03 (0.93, 1.13)	0.611	0.972	NA	NA	NA
Fenland	GRAMD1C	rs1872823	0.050	0.098	1.05 (0.87, 1.28)	0.611	0.972	NA	NA	NA
Fenland	COL15A1	rs7874287	0.062	0.121	1.06 (0.84, 1.35)	0.611	0.972	NA	NA	NA
Fenland	SNCA	rs7356205	0.105	0.207	1.11 (0.74, 1.67)	0.611	0.972	NA	NA	NA
Fenland	NRP1	rs2506150	-0.041	0.081	0.96 (0.82, 1.13)	0.612	0.972	NA	NA	NA
Fenland	MYZAP	rs7162622	-0.053	0.104	0.95 (0.77, 1.16)	0.612	0.972	NA	NA	NA
Fenland	RECQL	rs74626198	-0.191	0.377	0.83 (0.39, 1.73)	0.612	0.972	NA	NA	NA
Fenland	SCUBE3	rs6904920	0.056	0.110	1.06 (0.85, 1.31)	0.613	0.972	NA	NA	NA
Fenland	HSD17B14	rs35299026	0.108	0.215	1.11 (0.73, 1.70)	0.614	0.972	NA	NA	NA
Fenland	FLRT2	rs61980102	-0.062	0.124	0.94 (0.74, 1.20)	0.616	0.972	NA	NA	NA
Fenland	CD300C	rs62087200	-0.041	0.083	0.96 (0.82, 1.13)	0.617	0.972	NA	NA	NA
Fenland	HSPG2	rs12742444	-0.049	0.098	0.95 (0.79, 1.15)	0.617	0.972	NA	NA	NA

Fenland	GNPTG	rs4984644	0.030	0.061	1.03 (0.91, 1.16)	0.619	0.972	NA	NA	NA
Fenland	SNPH	rs3795141	-0.071	0.142	0.93 (0.70, 1.23)	0.619	0.972	NA	NA	NA
Fenland	EGLN1	rs1339891	0.089	0.179	1.09 (0.77, 1.55)	0.619	0.972	NA	NA	NA
Fenland	ENSA	rs111428433	-0.111	0.223	0.90 (0.58, 1.39)	0.619	0.972	NA	NA	NA
Fenland	PTGR1	rs59165439	0.021	0.043	1.02 (0.94, 1.11)	0.621	0.972	NA	NA	NA
Fenland	LRRC15	rs34461611	-0.033	0.066	0.97 (0.85, 1.10)	0.621	0.972	NA	NA	NA
Fenland	PDCD5	rs4499344	-0.034	0.069	0.97 (0.84, 1.11)	0.621	0.972	NA	NA	NA
Fenland	TNC	rs1138545	0.015	0.030	1.01 (0.96, 1.08)	0.622	0.972	NA	NA	NA
Fenland	SERPINA12	rs4900235	-0.023	0.047	0.98 (0.89, 1.07)	0.622	0.972	NA	NA	NA
Fenland	NA	rs7910135	-0.012	0.025	0.99 (0.94, 1.04)	0.623	0.972	NA	NA	NA
Fenland	AGT	rs11122580	0.050	0.102	1.05 (0.86, 1.28)	0.623	0.972	NA	NA	NA
Fenland	DPP7	rs10747049	0.023	0.047	1.02 (0.93, 1.12)	0.624	0.972	NA	NA	NA
Fenland	KLK13	rs2569459	0.032	0.066	1.03 (0.91, 1.18)	0.625	0.972	NA	NA	NA
Fenland	MAX	rs762810	0.057	0.117	1.06 (0.84, 1.33)	0.625	0.972	NA	NA	NA
Fenland	NAGK	rs1861853	-0.082	0.167	0.92 (0.66, 1.28)	0.626	0.972	NA	NA	NA
Fenland	POSTN	rs4424789	0.102	0.209	1.11 (0.73, 1.67)	0.626	0.972	NA	NA	NA
Fenland	MST1	rs11130213	-0.011	0.024	0.99 (0.94, 1.04)	0.629	0.974	NA	NA	NA
Fenland	FGA FGB FGG	rs2227426	-0.083	0.174	0.92 (0.65, 1.29)	0.632	0.974	NA	NA	NA
Fenland	FGA FGB FGG	rs2227426	-0.087	0.181	0.92 (0.64, 1.31)	0.632	0.974	NA	NA	NA
Fenland	FGA FGB FGG	rs2227426	-0.086	0.181	0.92 (0.64, 1.31)	0.632	0.974	NA	NA	NA
Fenland	PNLIPRP1	rs2915762	0.090	0.187	1.09 (0.76, 1.58)	0.632	0.974	NA	NA	NA
Fenland	CCN3	rs34112166	0.102	0.214	1.11 (0.73, 1.68)	0.632	0.974	NA	NA	NA
Fenland	CNP	rs11079027	-0.127	0.265	0.88 (0.52, 1.48)	0.632	0.974	NA	NA	NA
Fenland	PDE5A	rs59867181	-0.035	0.073	0.97 (0.84, 1.11)	0.634	0.974	NA	NA	NA
Fenland	NFKB1	rs62328536	0.085	0.178	1.09 (0.77, 1.54)	0.634	0.974	NA	NA	NA
Fenland	GPC5	rs342706	-0.017	0.036	0.98 (0.92, 1.05)	0.637	0.977	NA	NA	NA
Fenland	COL9A1	rs3806095	-0.070	0.149	0.93 (0.70, 1.25)	0.638	0.977	NA	NA	NA
Fenland	TMEM132A	rs555835	0.020	0.042	1.02 (0.94, 1.11)	0.639	0.977	NA	NA	NA
Fenland	NTN1	rs9897200	-0.031	0.067	0.97 (0.85, 1.10)	0.640	0.977	NA	NA	NA
Fenland	TNFSF12	rs80067372	0.023	0.050	1.02 (0.93, 1.13)	0.642	0.977	NA	NA	NA
Fenland	GSTO1	rs45596840	0.013	0.027	1.01 (0.96, 1.07)	0.643	0.977	NA	NA	NA
Fenland	MANBA	rs223492	-0.025	0.054	0.98 (0.88, 1.08)	0.643	0.977	NA	NA	NA
Fenland	IFIT3	rs2274878	0.098	0.212	1.10 (0.73, 1.67)	0.644	0.977	NA	NA	NA

Fenland	MFNG	rs8192548	0.116	0.251	1.12 (0.69, 1.84)	0.645	0.977	NA	NA	NA
Fenland	F2	rs183830453	-0.155	0.337	0.86 (0.44, 1.66)	0.645	0.977	NA	NA	NA
Fenland	LRP12	rs2942570	-0.110	0.240	0.90 (0.56, 1.43)	0.646	0.977	NA	NA	NA
Fenland	COL6A2	rs35548026	-0.048	0.105	0.95 (0.78, 1.17)	0.647	0.977	NA	NA	NA
Fenland	DDX19A DDX19B	rs61757207	0.133	0.290	1.14 (0.65, 2.02)	0.647	0.977	NA	NA	NA
Fenland	DDX19A DDX19B	rs61757207	0.146	0.319	1.16 (0.62, 2.16)	0.647	0.977	NA	NA	NA
Fenland	LG MN	rs7157038	0.064	0.140	1.07 (0.81, 1.40)	0.648	0.977	NA	NA	NA
Fenland	AIF1L	rs2315073	-0.013	0.028	0.99 (0.93, 1.04)	0.649	0.977	NA	NA	NA
Fenland	LARGE1	rs3210587	-0.110	0.241	0.90 (0.56, 1.44)	0.649	0.977	NA	NA	NA
Fenland	BPNT2	rs112433249	0.032	0.070	1.03 (0.90, 1.18)	0.650	0.977	NA	NA	NA
Fenland	MET	rs437	0.100	0.222	1.11 (0.72, 1.71)	0.651	0.977	NA	NA	NA
Fenland	RAB22A	rs12480383	0.107	0.236	1.11 (0.70, 1.77)	0.652	0.977	NA	NA	NA
Fenland	IL5RA	rs77400868	0.037	0.081	1.04 (0.88, 1.22)	0.653	0.977	NA	NA	NA
Fenland	ST3GAL1	rs9643300	-0.052	0.116	0.95 (0.76, 1.19)	0.653	0.977	NA	NA	NA
Fenland	KLK8	rs74705037	0.052	0.117	1.05 (0.84, 1.32)	0.653	0.977	NA	NA	NA
Fenland	MAPKAPK2	rs10863805	-0.037	0.082	0.96 (0.82, 1.13)	0.654	0.977	NA	NA	NA
Fenland	LIPN	rs10509554	0.016	0.036	1.02 (0.95, 1.09)	0.655	0.977	NA	NA	NA
Fenland	CNTN5	rs898776	0.031	0.070	1.03 (0.90, 1.18)	0.656	0.978	NA	NA	NA
Fenland	PCYOX1	rs2706762	-0.018	0.041	0.98 (0.91, 1.06)	0.657	0.978	NA	NA	NA
Fenland	RPE	rs2286963	-0.100	0.226	0.90 (0.58, 1.41)	0.659	0.979	NA	NA	NA
Fenland	CPA4	rs34587586	-0.010	0.023	0.99 (0.95, 1.03)	0.660	0.979	NA	NA	NA
Fenland	KLB	rs2608817	-0.019	0.042	0.98 (0.90, 1.07)	0.660	0.979	NA	NA	NA
Fenland	TMEM9	rs2068152	0.108	0.245	1.11 (0.69, 1.80)	0.660	0.979	NA	NA	NA
Fenland	HAVCR1	rs6878069	0.032	0.073	1.03 (0.90, 1.19)	0.661	0.979	NA	NA	NA
Fenland	ADGRF5	rs476374	0.015	0.035	1.02 (0.95, 1.09)	0.663	0.980	NA	NA	NA
Fenland	TLR3	rs3775291	0.016	0.036	1.02 (0.95, 1.09)	0.663	0.980	NA	NA	NA
Fenland	SBDS	rs79344818	-0.083	0.191	0.92 (0.63, 1.34)	0.664	0.980	NA	NA	NA
Fenland	RPIA	rs4281908	-0.047	0.110	0.95 (0.77, 1.18)	0.666	0.981	NA	NA	NA
Fenland	PLXNC1	rs115651556	-0.042	0.097	0.96 (0.79, 1.16)	0.667	0.982	NA	NA	NA
Fenland	ASPN OGN	rs7848055	0.025	0.058	1.03 (0.91, 1.15)	0.668	0.982	NA	NA	NA
Fenland	FGF2	rs2922979	-0.016	0.038	0.98 (0.91, 1.06)	0.669	0.982	NA	NA	NA
Fenland	THBS4	rs13167730	-0.039	0.092	0.96 (0.80, 1.15)	0.670	0.982	NA	NA	NA
Fenland	PPID	rs17843929	-0.025	0.059	0.98 (0.87, 1.10)	0.673	0.982	NA	NA	NA

Fenland	NOG	rs76164057	-0.040	0.096	0.96 (0.80, 1.16)	0.673	0.982	NA	NA	NA
Fenland	TEPSIN	rs61745945	0.092	0.219	1.10 (0.71, 1.69)	0.675	0.982	NA	NA	NA
Fenland	INHBB	rs17050272	-0.035	0.084	0.97 (0.82, 1.14)	0.676	0.982	NA	NA	NA
Fenland	CRYZ	rs28602706	-0.011	0.026	0.99 (0.94, 1.04)	0.677	0.982	NA	NA	NA
Fenland	STIM1	rs11030122	0.086	0.207	1.09 (0.73, 1.64)	0.677	0.982	NA	NA	NA
Fenland	FBLN1	rs11090631	0.060	0.147	1.06 (0.80, 1.42)	0.681	0.982	NA	NA	NA
Fenland	ACBD7	rs72774385	-0.064	0.158	0.94 (0.69, 1.28)	0.683	0.982	NA	NA	NA
Fenland	PDGFC	rs72494011	-0.093	0.227	0.91 (0.58, 1.42)	0.683	0.982	NA	NA	NA
Fenland	C8B	rs12067507	-0.050	0.123	0.95 (0.75, 1.21)	0.684	0.982	NA	NA	NA
Fenland	LY9	rs12128261	-0.030	0.073	0.97 (0.84, 1.12)	0.685	0.982	NA	NA	NA
Fenland	NA	rs74479613	-0.049	0.121	0.95 (0.75, 1.21)	0.685	0.982	NA	NA	NA
Fenland	CPOX	rs72928816	0.099	0.245	1.10 (0.68, 1.79)	0.686	0.982	NA	NA	NA
Fenland	ENG	rs11794565	-0.106	0.263	0.90 (0.54, 1.51)	0.686	0.982	NA	NA	NA
Fenland	OMG	rs72815624	-0.109	0.270	0.90 (0.53, 1.52)	0.686	0.982	NA	NA	NA
Fenland	CLN5	rs1773045	0.044	0.109	1.04 (0.84, 1.29)	0.687	0.982	NA	NA	NA
Fenland	CTSD	rs55861089	0.037	0.091	1.04 (0.87, 1.24)	0.688	0.982	NA	NA	NA
Fenland	TYRO3	rs2588323	-0.079	0.197	0.92 (0.63, 1.36)	0.688	0.982	NA	NA	NA
Fenland	PAM	rs35658696	-0.019	0.048	0.98 (0.89, 1.08)	0.689	0.982	NA	NA	NA
Fenland	TNR	rs2235256	-0.047	0.117	0.95 (0.76, 1.20)	0.690	0.982	NA	NA	NA
Fenland	CDCP1	rs28364749	-0.056	0.142	0.95 (0.72, 1.25)	0.692	0.982	NA	NA	NA
Fenland	RSPO3	rs4644087	0.029	0.073	1.03 (0.89, 1.19)	0.693	0.982	NA	NA	NA
Fenland	CYB5D2	rs118123280	-0.048	0.122	0.95 (0.75, 1.21)	0.693	0.982	NA	NA	NA
Fenland	LYZ YEATS4	rs4761234	-0.016	0.040	0.98 (0.91, 1.07)	0.695	0.982	NA	NA	NA
Fenland	MGAT2	rs7141096	-0.046	0.118	0.95 (0.76, 1.20)	0.695	0.982	NA	NA	NA
Fenland	IGSF8	rs2295621	-0.061	0.156	0.94 (0.69, 1.28)	0.695	0.982	NA	NA	NA
Fenland	BPIFB1	rs761931	-0.023	0.058	0.98 (0.87, 1.10)	0.696	0.982	NA	NA	NA
Fenland	MTHFSD	rs11642368	0.020	0.051	1.02 (0.92, 1.13)	0.697	0.982	NA	NA	NA
Fenland	IL27RA	rs35026308	-0.021	0.055	0.98 (0.88, 1.09)	0.697	0.982	NA	NA	NA
Fenland	GFRAL	rs60761034	-0.040	0.102	0.96 (0.79, 1.17)	0.697	0.982	NA	NA	NA
Fenland	RNASE4	rs12588573	0.027	0.070	1.03 (0.90, 1.18)	0.698	0.982	NA	NA	NA
Fenland	F11	rs2289252	-0.021	0.055	0.98 (0.88, 1.09)	0.699	0.982	NA	NA	NA
Fenland	AMY2B	rs75199337	0.028	0.072	1.03 (0.89, 1.18)	0.699	0.982	NA	NA	NA
Fenland	XXYLT1	rs1538767	0.053	0.136	1.05 (0.81, 1.38)	0.699	0.982	NA	NA	NA

Fenland	NT5C3A	rs7798138	-0.106	0.274	0.90 (0.53, 1.54)	0.699	0.982	NA	NA	NA
Fenland	CRTAM	rs2370794	-0.040	0.104	0.96 (0.78, 1.18)	0.700	0.982	NA	NA	NA
Fenland	ACVRL1	rs11169954	0.056	0.147	1.06 (0.79, 1.41)	0.700	0.982	NA	NA	NA
Fenland	LY96 TLR4	rs6472812	-0.085	0.222	0.92 (0.59, 1.42)	0.700	0.982	NA	NA	NA
Fenland	ACAT1	rs112087419	-0.028	0.073	0.97 (0.84, 1.12)	0.701	0.982	NA	NA	NA
Fenland	POMGNT2	rs4683355	-0.021	0.056	0.98 (0.88, 1.09)	0.703	0.982	NA	NA	NA
Fenland	NFU1	rs74637005	-0.039	0.101	0.96 (0.79, 1.17)	0.703	0.982	NA	NA	NA
Fenland	AKR1C4	rs140107293	-0.019	0.049	0.98 (0.89, 1.08)	0.705	0.982	NA	NA	NA
Fenland	TGM3	rs214830	0.043	0.112	1.04 (0.84, 1.30)	0.705	0.982	NA	NA	NA
Fenland	PTGFRN	rs4233450	0.017	0.045	1.02 (0.93, 1.11)	0.707	0.982	NA	NA	NA
Fenland	ABHD10	rs698360	-0.105	0.283	0.90 (0.52, 1.57)	0.710	0.982	NA	NA	NA
Fenland	FCRLB	rs12045955	-0.026	0.071	0.97 (0.85, 1.12)	0.711	0.982	NA	NA	NA
Fenland	CD36	rs6961069	0.032	0.086	1.03 (0.87, 1.22)	0.712	0.982	NA	NA	NA
Fenland	NSF	rs2532240	0.152	0.415	1.16 (0.52, 2.63)	0.715	0.982	NA	NA	NA
Fenland	DTD1	rs59832377	-0.030	0.082	0.97 (0.83, 1.14)	0.716	0.982	NA	NA	NA
Fenland	RGS18	rs1175169	-0.074	0.204	0.93 (0.62, 1.39)	0.716	0.982	NA	NA	NA
Fenland	EHP1	rs73934251	0.090	0.248	1.09 (0.67, 1.78)	0.716	0.982	NA	NA	NA
Fenland	SFTPB	rs1130866	0.018	0.051	1.02 (0.92, 1.13)	0.717	0.982	NA	NA	NA
Fenland	SPINT1	rs17658212	0.066	0.183	1.07 (0.75, 1.53)	0.717	0.982	NA	NA	NA
Fenland	MGAT4C	rs17855890	-0.074	0.204	0.93 (0.62, 1.39)	0.717	0.982	NA	NA	NA
Fenland	LAG3	rs3782735	0.054	0.150	1.06 (0.79, 1.42)	0.718	0.982	NA	NA	NA
Fenland	VEGFA	rs6921438	0.011	0.032	1.01 (0.95, 1.08)	0.721	0.982	NA	NA	NA
Fenland	VEGFA	rs6921438	0.011	0.032	1.01 (0.95, 1.08)	0.721	0.982	NA	NA	NA
Fenland	VEGFA	rs6921438	0.018	0.052	1.02 (0.92, 1.13)	0.721	0.982	NA	NA	NA
Fenland	CPNE1	rs6060524	-0.011	0.032	0.99 (0.93, 1.05)	0.722	0.982	NA	NA	NA
Fenland	PLAU	rs2227560	0.030	0.084	1.03 (0.87, 1.22)	0.722	0.982	NA	NA	NA
Fenland	FGFR1	rs62505473	-0.077	0.217	0.93 (0.60, 1.42)	0.723	0.982	NA	NA	NA
Fenland	TEK	rs117982767	-0.036	0.102	0.96 (0.79, 1.18)	0.724	0.982	NA	NA	NA
Fenland	CGA CGB3 CGB5 CGB7 CGB8 LHB	rs3795052	0.028	0.081	1.03 (0.88, 1.20)	0.725	0.982	NA	NA	NA
Fenland	MCL1	rs190596489	-0.032	0.092	0.97 (0.81, 1.16)	0.725	0.982	NA	NA	NA
Fenland	IL17RD	rs76645245	0.016	0.046	1.02 (0.93, 1.11)	0.726	0.982	NA	NA	NA
Fenland	UNC5C	rs13134684	0.043	0.122	1.04 (0.82, 1.33)	0.726	0.982	NA	NA	NA
Fenland	A2M	rs226384	0.068	0.193	1.07 (0.73, 1.56)	0.726	0.982	NA	NA	NA

Fenland	CCL21	rs10814138	0.094	0.269	1.10 (0.65, 1.86)	0.726	0.982	NA	NA	NA
Fenland	SIGLEC6	rs4146202	0.014	0.040	1.01 (0.94, 1.10)	0.728	0.982	NA	NA	NA
Fenland	TNFRSF17	rs3850997	0.070	0.202	1.07 (0.72, 1.59)	0.728	0.982	NA	NA	NA
Fenland	CA3	rs2072696	-0.048	0.138	0.95 (0.73, 1.25)	0.729	0.982	NA	NA	NA
Fenland	SCGB3A1	rs307802	-0.067	0.192	0.94 (0.64, 1.36)	0.729	0.982	NA	NA	NA
Fenland	FLRT3	rs6135225	0.014	0.041	1.01 (0.94, 1.10)	0.730	0.982	NA	NA	NA
Fenland	ATXN3	rs61988390	0.029	0.085	1.03 (0.87, 1.22)	0.730	0.982	NA	NA	NA
Fenland	GFRA1	rs1079261	-0.043	0.123	0.96 (0.75, 1.22)	0.730	0.982	NA	NA	NA
Fenland	COLEC10	rs72682450	0.123	0.356	1.13 (0.56, 2.27)	0.730	0.982	NA	NA	NA
Fenland	FLII	rs138865936	0.076	0.220	1.08 (0.70, 1.66)	0.731	0.982	NA	NA	NA
Fenland	FSTL3	rs112418024	-0.143	0.418	0.87 (0.38, 1.97)	0.731	0.982	NA	NA	NA
Fenland	ARFIP1	rs4619875	0.026	0.078	1.03 (0.88, 1.20)	0.733	0.982	NA	NA	NA
Fenland	PATE4	rs875500	0.033	0.097	1.03 (0.85, 1.25)	0.733	0.982	NA	NA	NA
Fenland	EMILIN3	rs61739314	-0.036	0.107	0.96 (0.78, 1.19)	0.733	0.982	NA	NA	NA
Fenland	DDX58	rs7025666	-0.026	0.076	0.97 (0.84, 1.13)	0.735	0.982	NA	NA	NA
Fenland	ACE	rs4353	0.012	0.036	1.01 (0.94, 1.09)	0.737	0.982	NA	NA	NA
Fenland	RTN4IP1	rs2054365	-0.050	0.149	0.95 (0.71, 1.27)	0.737	0.982	NA	NA	NA
Fenland	MUC16	rs61742668	-0.067	0.201	0.93 (0.63, 1.39)	0.738	0.982	NA	NA	NA
Fenland	IMPA1	rs2142316	-0.082	0.244	0.92 (0.57, 1.49)	0.738	0.982	NA	NA	NA
Fenland	IGLL1	rs9624216	-0.028	0.085	0.97 (0.82, 1.15)	0.739	0.982	NA	NA	NA
Fenland	ADH1A	rs28364331	-0.048	0.145	0.95 (0.72, 1.27)	0.740	0.982	NA	NA	NA
Fenland	SPOCK2	rs1668153	-0.049	0.148	0.95 (0.71, 1.27)	0.741	0.982	NA	NA	NA
Fenland	SLAMF7	rs11581248	0.010	0.030	1.01 (0.95, 1.07)	0.743	0.982	NA	NA	NA
Fenland	CXCL5	rs352045	-0.020	0.060	0.98 (0.87, 1.10)	0.743	0.982	NA	NA	NA
Fenland	CFHR1	rs67908756	-0.011	0.034	0.99 (0.93, 1.06)	0.744	0.982	NA	NA	NA
Fenland	AMBP	rs10817564	-0.060	0.183	0.94 (0.66, 1.35)	0.744	0.982	NA	NA	NA
Fenland	HEBP1	rs1941	-0.015	0.048	0.98 (0.90, 1.08)	0.745	0.982	NA	NA	NA
Fenland	MATN4	rs11086958	-0.039	0.119	0.96 (0.76, 1.22)	0.745	0.982	NA	NA	NA
Fenland	LYN	rs6983130	0.085	0.262	1.09 (0.65, 1.82)	0.746	0.982	NA	NA	NA
Fenland	CHL1	rs13077895	-0.027	0.085	0.97 (0.82, 1.15)	0.748	0.982	NA	NA	NA
Fenland	PDE5A	rs6534149	-0.032	0.100	0.97 (0.80, 1.18)	0.748	0.982	NA	NA	NA
Fenland	C5	rs17220750	0.051	0.160	1.05 (0.77, 1.44)	0.748	0.982	NA	NA	NA
Fenland	CDHR5	rs61877853	0.082	0.256	1.09 (0.66, 1.79)	0.748	0.982	NA	NA	NA

Fenland	NA	rs2015086	-0.013	0.041	0.99 (0.91, 1.07)	0.749	0.982	NA	NA	NA
Fenland	NA	rs2015086	-0.017	0.054	0.98 (0.88, 1.09)	0.749	0.982	NA	NA	NA
Fenland	C1QC	rs75380810	-0.024	0.075	0.98 (0.84, 1.13)	0.749	0.982	NA	NA	NA
Fenland	ALDH6A1	rs190138735	-0.094	0.294	0.91 (0.51, 1.62)	0.749	0.982	NA	NA	NA
Fenland	LMAN2L	rs2271893	0.063	0.198	1.07 (0.72, 1.57)	0.750	0.982	NA	NA	NA
Fenland	F13A1 F13B	rs10922151	0.015	0.048	1.02 (0.92, 1.12)	0.751	0.982	NA	NA	NA
Fenland	LBP	rs2232613	-0.014	0.045	0.99 (0.90, 1.08)	0.752	0.982	NA	NA	NA
Fenland	CNDP1	rs17817077	0.023	0.072	1.02 (0.89, 1.18)	0.752	0.982	NA	NA	NA
Fenland	ALDH3B1	rs2010404	0.064	0.202	1.07 (0.72, 1.58)	0.752	0.982	NA	NA	NA
Fenland	NTNG1	rs115668827	0.014	0.044	1.01 (0.93, 1.11)	0.753	0.982	NA	NA	NA
Fenland	GLRX2	rs148212596	-0.036	0.114	0.96 (0.77, 1.21)	0.753	0.982	NA	NA	NA
Fenland	HINT1	rs6889109	0.078	0.247	1.08 (0.67, 1.76)	0.753	0.982	NA	NA	NA
Fenland	GCA	rs17783344	0.021	0.067	1.02 (0.90, 1.16)	0.754	0.982	NA	NA	NA
Fenland	PTPRJ	rs67277976	-0.087	0.280	0.92 (0.53, 1.58)	0.754	0.982	NA	NA	NA
Fenland	GPX7	rs1097234	0.010	0.034	1.01 (0.95, 1.08)	0.755	0.982	NA	NA	NA
Fenland	FBP2	rs499480	-0.041	0.134	0.96 (0.74, 1.25)	0.757	0.982	NA	NA	NA
Fenland	CDKN1B	rs3759217	-0.059	0.192	0.94 (0.65, 1.37)	0.757	0.982	NA	NA	NA
Fenland	ACP1	rs7566279	0.006	0.021	1.01 (0.97, 1.05)	0.758	0.982	NA	NA	NA
Fenland	PRSS3	rs2005617	0.014	0.045	1.01 (0.93, 1.11)	0.758	0.982	NA	NA	NA
Fenland	BTD	rs13078881	0.014	0.044	1.01 (0.93, 1.11)	0.759	0.982	NA	NA	NA
Fenland	ARPC1B	rs75944999	-0.074	0.241	0.93 (0.58, 1.49)	0.759	0.982	NA	NA	NA
Fenland	C4A CFB	rs641153	0.018	0.060	1.02 (0.91, 1.14)	0.760	0.983	NA	NA	NA
Fenland	TGM2	rs13044109	-0.041	0.137	0.96 (0.73, 1.26)	0.763	0.983	NA	NA	NA
Fenland	SERPINA3	rs8023057	-0.019	0.063	0.98 (0.87, 1.11)	0.764	0.983	NA	NA	NA
Fenland	SERPINA3	rs8023057	-0.058	0.193	0.94 (0.65, 1.38)	0.764	0.983	NA	NA	NA
Fenland	SERPINE1	rs2227631	0.076	0.252	1.08 (0.66, 1.77)	0.764	0.983	NA	NA	NA
Fenland	ACAA1	rs114563337	-0.031	0.105	0.97 (0.79, 1.19)	0.765	0.983	NA	NA	NA
Fenland	ISLR2	rs751527	0.045	0.152	1.05 (0.78, 1.41)	0.766	0.983	NA	NA	NA
Fenland	VNN2	rs9493423	-0.011	0.036	0.99 (0.92, 1.06)	0.767	0.983	NA	NA	NA
Fenland	PPIC	rs17388251	-0.012	0.039	0.99 (0.92, 1.07)	0.767	0.983	NA	NA	NA
Fenland	IGFBP7	rs6827768	0.021	0.072	1.02 (0.89, 1.18)	0.767	0.983	NA	NA	NA
Fenland	SERPINA5	rs6119	0.022	0.075	1.02 (0.88, 1.18)	0.768	0.983	NA	NA	NA
Fenland	RMDN1	rs13042	0.023	0.079	1.02 (0.88, 1.19)	0.770	0.985	NA	NA	NA

Fenland	COL6A3	rs2029998	0.060	0.207	1.06 (0.71, 1.59)	0.772	0.985	NA	NA	NA
Fenland	RBP7	rs1220424	0.041	0.141	1.04 (0.79, 1.37)	0.773	0.985	NA	NA	NA
Fenland	CBLN4	rs6024420	-0.041	0.144	0.96 (0.72, 1.27)	0.773	0.985	NA	NA	NA
Fenland	FGFR3	rs4533828	-0.071	0.248	0.93 (0.57, 1.51)	0.774	0.985	NA	NA	NA
Fenland	CXCL6	rs16850073	-0.009	0.032	0.99 (0.93, 1.06)	0.776	0.985	NA	NA	NA
Fenland	MPPED2	rs11031140	0.023	0.082	1.02 (0.87, 1.20)	0.776	0.985	NA	NA	NA
Fenland	ESD	rs15303	0.046	0.162	1.05 (0.76, 1.44)	0.776	0.985	NA	NA	NA
Fenland	CHST4	rs58134724	-0.046	0.164	0.95 (0.69, 1.32)	0.777	0.985	NA	NA	NA
Fenland	SLPI	rs916311	0.046	0.164	1.05 (0.76, 1.45)	0.778	0.985	NA	NA	NA
Fenland	SCUBE1	rs2744874	0.049	0.174	1.05 (0.75, 1.48)	0.778	0.985	NA	NA	NA
Fenland	CRYGD	rs11690925	-0.026	0.092	0.97 (0.81, 1.17)	0.779	0.985	NA	NA	NA
Fenland	CCDC126	rs35121828	0.021	0.076	1.02 (0.88, 1.19)	0.780	0.985	NA	NA	NA
Fenland	SFRP1	rs28718791	0.037	0.135	1.04 (0.80, 1.35)	0.783	0.988	NA	NA	NA
Fenland	RBP5	rs2290239	0.038	0.140	1.04 (0.79, 1.37)	0.783	0.988	NA	NA	NA
Fenland	FCN1	rs7037264	0.015	0.057	1.02 (0.91, 1.14)	0.789	0.989	NA	NA	NA
Fenland	MMP16	rs4961089	0.026	0.098	1.03 (0.85, 1.25)	0.789	0.989	NA	NA	NA
Fenland	ADAMT5	rs2830586	-0.013	0.047	0.99 (0.90, 1.08)	0.790	0.989	NA	NA	NA
Fenland	NEGR1	rs1194278	0.036	0.134	1.04 (0.80, 1.35)	0.790	0.989	NA	NA	NA
Fenland	IDI1	rs4880760	-0.070	0.264	0.93 (0.56, 1.56)	0.790	0.989	NA	NA	NA
Fenland	TNFRSF11B	rs13257113	-0.047	0.179	0.95 (0.67, 1.35)	0.792	0.989	NA	NA	NA
Fenland	FIS1	rs79067051	0.030	0.116	1.03 (0.82, 1.29)	0.795	0.989	NA	NA	NA
Fenland	CR2	rs17044525	-0.038	0.145	0.96 (0.72, 1.28)	0.795	0.989	NA	NA	NA
Fenland	VTN	rs704	0.005	0.021	1.01 (0.97, 1.05)	0.796	0.989	NA	NA	NA
Fenland	GATM	rs2433601	0.016	0.060	1.02 (0.90, 1.14)	0.796	0.989	NA	NA	NA
Fenland	VTN	rs704	0.021	0.082	1.02 (0.87, 1.20)	0.796	0.989	NA	NA	NA
Fenland	ADH5 ADH6	rs62325239	0.031	0.121	1.03 (0.81, 1.31)	0.796	0.989	NA	NA	NA
Fenland	ADH5 ADH6	rs62325239	0.044	0.172	1.05 (0.75, 1.46)	0.796	0.989	NA	NA	NA
Fenland	APOL3	rs132642	-0.008	0.033	0.99 (0.93, 1.06)	0.797	0.989	NA	NA	NA
Fenland	MMAB	rs76118041	-0.010	0.041	0.99 (0.91, 1.07)	0.797	0.989	NA	NA	NA
Fenland	KLKB1	rs71640035	-0.012	0.047	0.99 (0.90, 1.08)	0.797	0.989	NA	NA	NA
Fenland	CST4	rs7263473	-0.021	0.081	0.98 (0.84, 1.15)	0.799	0.989	NA	NA	NA
Fenland	GREM1	rs58658771	0.007	0.029	1.01 (0.95, 1.07)	0.801	0.989	NA	NA	NA
Fenland	HDHD3	rs1043836	-0.037	0.146	0.96 (0.72, 1.28)	0.801	0.989	NA	NA	NA

Fenland	ARSA	rs6151419	-0.025	0.100	0.98 (0.80, 1.19)	0.803	0.989	NA	NA	NA
Fenland	GNPDA1	rs9324861	-0.029	0.117	0.97 (0.77, 1.22)	0.803	0.989	NA	NA	NA
Fenland	NISCH SEMA3G	rs2016575	0.022	0.088	1.02 (0.86, 1.21)	0.804	0.989	NA	NA	NA
Fenland	NA	rs8064426	0.033	0.133	1.03 (0.80, 1.34)	0.804	0.989	NA	NA	NA
Fenland	ROR1	rs61765448	-0.035	0.140	0.97 (0.73, 1.27)	0.805	0.989	NA	NA	NA
Fenland	WFIKKN1	rs55798945	-0.064	0.262	0.94 (0.56, 1.57)	0.806	0.989	NA	NA	NA
Fenland	FLT4	rs1565818	-0.071	0.291	0.93 (0.53, 1.65)	0.807	0.989	NA	NA	NA
Fenland	KL	rs73176817	0.067	0.277	1.07 (0.62, 1.84)	0.808	0.989	NA	NA	NA
Fenland	IL22RA2	rs2234711	-0.052	0.214	0.95 (0.62, 1.44)	0.809	0.989	NA	NA	NA
Fenland	PLXDC2	rs12412765	-0.057	0.238	0.94 (0.59, 1.50)	0.809	0.989	NA	NA	NA
Fenland	MYDGF	rs75029446	-0.047	0.198	0.95 (0.65, 1.41)	0.811	0.989	NA	NA	NA
Fenland	GSS	rs3787215	0.025	0.103	1.02 (0.84, 1.25)	0.812	0.989	NA	NA	NA
Fenland	PCSK1	rs13169290	-0.006	0.026	0.99 (0.95, 1.05)	0.813	0.989	NA	NA	NA
Fenland	SCARF1	rs2272011	0.021	0.089	1.02 (0.86, 1.21)	0.813	0.989	NA	NA	NA
Fenland	UGDH	rs7669821	-0.013	0.055	0.99 (0.89, 1.10)	0.815	0.989	NA	NA	NA
Fenland	LGR4	rs79076592	-0.043	0.186	0.96 (0.67, 1.38)	0.818	0.989	NA	NA	NA
Fenland	TGFBR3	rs12135487	-0.054	0.237	0.95 (0.59, 1.51)	0.818	0.989	NA	NA	NA
Fenland	GLRX	rs6556884	0.023	0.098	1.02 (0.84, 1.24)	0.819	0.989	NA	NA	NA
Fenland	F10	rs547138	0.031	0.136	1.03 (0.79, 1.35)	0.819	0.989	NA	NA	NA
Fenland	F10	rs547138	0.032	0.138	1.03 (0.79, 1.35)	0.819	0.989	NA	NA	NA
Fenland	SERPINA4	rs10146582	0.011	0.046	1.01 (0.92, 1.11)	0.820	0.989	NA	NA	NA
Fenland	HP	rs77303550	-0.009	0.038	0.99 (0.92, 1.07)	0.821	0.989	NA	NA	NA
Fenland	HP	rs77303550	-0.009	0.040	0.99 (0.92, 1.07)	0.821	0.989	NA	NA	NA
Fenland	OBP2B	rs4962104	-0.020	0.087	0.98 (0.83, 1.16)	0.821	0.989	NA	NA	NA
Fenland	UNC45A	rs7173521	0.067	0.297	1.07 (0.60, 1.92)	0.821	0.989	NA	NA	NA
Fenland	TFPI	rs116011690	0.085	0.376	1.09 (0.52, 2.28)	0.822	0.989	NA	NA	NA
Fenland	SPON2	rs6826705	0.019	0.085	1.02 (0.86, 1.20)	0.823	0.989	NA	NA	NA
Fenland	VWA1	rs115503338	0.027	0.119	1.03 (0.81, 1.30)	0.824	0.989	NA	NA	NA
Fenland	PLEKHA7	rs425325	0.008	0.037	1.01 (0.94, 1.08)	0.825	0.989	NA	NA	NA
Fenland	PECR	rs7600044	-0.016	0.073	0.98 (0.85, 1.13)	0.825	0.989	NA	NA	NA
Fenland	GUSB	rs9530	-0.039	0.175	0.96 (0.68, 1.36)	0.825	0.989	NA	NA	NA
Fenland	EPHA10	rs12074120	0.045	0.204	1.05 (0.70, 1.56)	0.825	0.989	NA	NA	NA
Fenland	RPS6KA1	rs11589734	-0.029	0.134	0.97 (0.75, 1.26)	0.827	0.989	NA	NA	NA

Fenland	UBASH3B	rs7116968	0.030	0.138	1.03 (0.79, 1.35)	0.828	0.989	NA	NA	NA
Fenland	AGER	rs2070600	-0.039	0.182	0.96 (0.67, 1.37)	0.828	0.989	NA	NA	NA
Fenland	OVCA2	rs145234879	-0.052	0.239	0.95 (0.59, 1.52)	0.829	0.989	NA	NA	NA
Fenland	CTSB	rs1736084	0.010	0.046	1.01 (0.92, 1.11)	0.830	0.989	NA	NA	NA
Fenland	TIE1	rs3120276	0.021	0.097	1.02 (0.84, 1.24)	0.830	0.989	NA	NA	NA
Fenland	OXT	rs877172	-0.015	0.070	0.99 (0.86, 1.13)	0.831	0.989	NA	NA	NA
Fenland	ATRN	rs118065662	-0.012	0.055	0.99 (0.89, 1.10)	0.832	0.989	NA	NA	NA
Fenland	HTN3	rs116569188	-0.060	0.286	0.94 (0.54, 1.65)	0.833	0.989	NA	NA	NA
Fenland	NUDT12	rs6880267	-0.007	0.032	0.99 (0.93, 1.06)	0.834	0.989	NA	NA	NA
Fenland	SIRPA	rs1569960	-0.005	0.022	1.00 (0.95, 1.04)	0.835	0.989	NA	NA	NA
Fenland	ITGA2	rs7035	0.040	0.195	1.04 (0.71, 1.53)	0.836	0.989	NA	NA	NA
Fenland	PC	rs543191	0.054	0.262	1.06 (0.63, 1.76)	0.836	0.989	NA	NA	NA
Fenland	CRYBB1	rs4822754	0.020	0.097	1.02 (0.84, 1.23)	0.837	0.989	NA	NA	NA
Fenland	DNAJB11	rs56324474	0.033	0.162	1.03 (0.75, 1.42)	0.838	0.989	NA	NA	NA
Fenland	DAPP1	rs2162386	0.052	0.256	1.05 (0.64, 1.74)	0.838	0.989	NA	NA	NA
Fenland	LRP8	rs2297663	-0.025	0.125	0.97 (0.76, 1.25)	0.839	0.989	NA	NA	NA
Fenland	NA	rs10993994	-0.006	0.028	0.99 (0.94, 1.05)	0.840	0.989	NA	NA	NA
Fenland	C4A C4B	rs3117580	-0.030	0.149	0.97 (0.72, 1.30)	0.840	0.989	NA	NA	NA
Fenland	WIF1	rs462010	-0.051	0.252	0.95 (0.58, 1.56)	0.840	0.989	NA	NA	NA
Fenland	B3GNT8	rs284662	-0.007	0.037	0.99 (0.92, 1.07)	0.842	0.989	NA	NA	NA
Fenland	APOF	rs2643623	-0.029	0.148	0.97 (0.73, 1.30)	0.842	0.989	NA	NA	NA
Fenland	SGK3	rs142632105	-0.048	0.240	0.95 (0.60, 1.53)	0.842	0.989	NA	NA	NA
Fenland	CNTN2	rs2071533	0.008	0.040	1.01 (0.93, 1.09)	0.843	0.989	NA	NA	NA
Fenland	AZGP1	rs2527896	0.014	0.072	1.01 (0.88, 1.17)	0.843	0.989	NA	NA	NA
Fenland	NME1-NME2 NME2	rs7207370	-0.020	0.102	0.98 (0.80, 1.20)	0.843	0.989	NA	NA	NA
Fenland	SORD	rs72722075	-0.031	0.157	0.97 (0.71, 1.32)	0.843	0.989	NA	NA	NA
Fenland	SPINK6	rs1159203	0.008	0.042	1.01 (0.93, 1.10)	0.844	0.989	NA	NA	NA
Fenland	SLITRK3	rs62282371	-0.015	0.078	0.98 (0.85, 1.15)	0.846	0.989	NA	NA	NA
Fenland	FAP	rs16846387	0.023	0.119	1.02 (0.81, 1.29)	0.846	0.989	NA	NA	NA
Fenland	CNTFR	rs10972159	0.028	0.144	1.03 (0.77, 1.36)	0.848	0.989	NA	NA	NA
Fenland	PDGFD	rs7115797	-0.011	0.061	0.99 (0.88, 1.11)	0.851	0.989	NA	NA	NA
Fenland	PDGFD	rs7115797	-0.014	0.074	0.99 (0.85, 1.14)	0.851	0.989	NA	NA	NA
Fenland	VPS26A	rs10998625	-0.022	0.116	0.98 (0.78, 1.23)	0.851	0.989	NA	NA	NA

Fenland	REG1A	rs76841471	-0.019	0.102	0.98 (0.80, 1.20)	0.852	0.989	NA	NA	NA
Fenland	GSTZ1	rs7975	0.005	0.025	1.00 (0.96, 1.06)	0.853	0.989	NA	NA	NA
Fenland	MPO	rs34097845	0.022	0.120	1.02 (0.81, 1.29)	0.856	0.989	NA	NA	NA
Fenland	COLGALT1	rs4808666	0.025	0.136	1.02 (0.78, 1.34)	0.857	0.989	NA	NA	NA
Fenland	NHEJ1	rs6713887	-0.025	0.143	0.98 (0.74, 1.29)	0.859	0.989	NA	NA	NA
Fenland	PMEL	rs2069398	-0.032	0.179	0.97 (0.68, 1.38)	0.859	0.989	NA	NA	NA
Fenland	GALNT16	rs12100668	-0.024	0.138	0.98 (0.75, 1.28)	0.860	0.989	NA	NA	NA
Fenland	MTPAP	rs2254706	-0.029	0.165	0.97 (0.70, 1.34)	0.860	0.989	NA	NA	NA
Fenland	DUSP13	rs11001291	-0.031	0.173	0.97 (0.69, 1.36)	0.860	0.989	NA	NA	NA
Fenland	CFH	rs70621	-0.013	0.075	0.99 (0.85, 1.14)	0.861	0.989	NA	NA	NA
Fenland	CTSS	rs41271951	0.013	0.075	1.01 (0.88, 1.17)	0.861	0.989	NA	NA	NA
Fenland	NISCH SEMA3G	rs2159607	-0.041	0.239	0.96 (0.60, 1.53)	0.862	0.989	NA	NA	NA
Fenland	ENPP5	rs77991465	0.006	0.034	1.01 (0.94, 1.07)	0.863	0.989	NA	NA	NA
Fenland	MYORG	rs2039344	-0.018	0.106	0.98 (0.80, 1.21)	0.863	0.989	NA	NA	NA
Fenland	HIBCH	rs291431	0.019	0.113	1.02 (0.82, 1.27)	0.863	0.989	NA	NA	NA
Fenland	COL11A2	rs3129205	-0.023	0.131	0.98 (0.76, 1.26)	0.863	0.989	NA	NA	NA
Fenland	IFNLR1	rs139958347	0.036	0.208	1.04 (0.69, 1.56)	0.863	0.989	NA	NA	NA
Fenland	TSG101	rs1395319	-0.017	0.100	0.98 (0.81, 1.20)	0.864	0.989	NA	NA	NA
Fenland	PMM2	rs3826198	-0.020	0.118	0.98 (0.78, 1.24)	0.865	0.989	NA	NA	NA
Fenland	KYAT3	rs1409152	-0.010	0.059	0.99 (0.88, 1.11)	0.866	0.989	NA	NA	NA
Fenland	CNRIP1	rs7578047	0.010	0.058	1.01 (0.90, 1.13)	0.867	0.989	NA	NA	NA
Fenland	TFF1	rs3761376	-0.014	0.086	0.99 (0.83, 1.17)	0.869	0.989	NA	NA	NA
Fenland	IL1RL2	rs3917265	0.016	0.096	1.02 (0.84, 1.23)	0.870	0.989	NA	NA	NA
Fenland	DNER	rs35709702	-0.024	0.149	0.98 (0.73, 1.31)	0.871	0.989	NA	NA	NA
Fenland	CKB CKM	rs11559024	0.024	0.149	1.02 (0.77, 1.37)	0.871	0.989	NA	NA	NA
Fenland	CXCL2 CXCL3	rs1893319	-0.046	0.284	0.95 (0.55, 1.66)	0.871	0.989	NA	NA	NA
Fenland	NEGR1	rs1194282	0.025	0.157	1.03 (0.75, 1.39)	0.872	0.989	NA	NA	NA
Fenland	APOC3	rs964184	-0.029	0.177	0.97 (0.69, 1.38)	0.872	0.989	NA	NA	NA
Fenland	MTRF1L	rs12206911	-0.007	0.044	0.99 (0.91, 1.08)	0.873	0.989	NA	NA	NA
Fenland	LEFTY2	rs1223245	0.006	0.040	1.01 (0.93, 1.09)	0.874	0.989	NA	NA	NA
Fenland	LEFTY2	rs1223245	0.020	0.127	1.02 (0.80, 1.31)	0.874	0.989	NA	NA	NA
Fenland	NUDT5	rs7895525	0.041	0.262	1.04 (0.62, 1.74)	0.875	0.989	NA	NA	NA
Fenland	SARS2	rs730078	0.014	0.092	1.01 (0.85, 1.22)	0.876	0.989	NA	NA	NA

Fenland	TIMP3	rs5754256	-0.004	0.029	1.00 (0.94, 1.05)	0.877	0.989	NA	NA	NA
Fenland	GLYAT	rs2186414	-0.027	0.172	0.97 (0.70, 1.36)	0.877	0.989	NA	NA	NA
Fenland	HAPLN1	rs975595	0.025	0.162	1.03 (0.75, 1.41)	0.878	0.989	NA	NA	NA
Fenland	ALCAM	rs6437581	0.036	0.233	1.04 (0.66, 1.64)	0.879	0.989	NA	NA	NA
Fenland	HRG	rs59123177	0.004	0.025	1.00 (0.96, 1.05)	0.881	0.989	NA	NA	NA
Fenland	AKR1B1	rs796703	0.030	0.201	1.03 (0.70, 1.53)	0.881	0.989	NA	NA	NA
Fenland	CAMKK1	rs753513	0.041	0.277	1.04 (0.61, 1.79)	0.882	0.989	NA	NA	NA
Fenland	SAA1 SAA2	rs11024589	-0.009	0.062	0.99 (0.88, 1.12)	0.885	0.989	NA	NA	NA
Fenland	SAA1 SAA2	rs11024589	-0.010	0.070	0.99 (0.86, 1.13)	0.885	0.989	NA	NA	NA
Fenland	FER	rs6880917	-0.032	0.228	0.97 (0.62, 1.51)	0.887	0.989	NA	NA	NA
Fenland	CRISPLD2	rs183935383	-0.052	0.364	0.95 (0.46, 1.94)	0.887	0.989	NA	NA	NA
Fenland	PDE4A	rs145530718	0.012	0.087	1.01 (0.85, 1.20)	0.888	0.989	NA	NA	NA
Fenland	PSAT1	rs7874282	0.030	0.211	1.03 (0.68, 1.56)	0.888	0.989	NA	NA	NA
Fenland	FKBP7	rs6704545	-0.009	0.065	0.99 (0.87, 1.13)	0.889	0.989	NA	NA	NA
Fenland	KNG1	rs710446	0.015	0.105	1.01 (0.83, 1.25)	0.889	0.989	NA	NA	NA
Fenland	IL1RN	rs55709272	-0.016	0.116	0.98 (0.78, 1.23)	0.890	0.989	NA	NA	NA
Fenland	LUM	rs1803343	-0.029	0.212	0.97 (0.64, 1.47)	0.890	0.989	NA	NA	NA
Fenland	DCXR	rs60390379	0.022	0.158	1.02 (0.75, 1.39)	0.891	0.989	NA	NA	NA
Fenland	IL1RAP	rs7642797	-0.004	0.026	1.00 (0.95, 1.05)	0.893	0.989	NA	NA	NA
Fenland	NA	rs7222922	-0.005	0.039	0.99 (0.92, 1.07)	0.894	0.989	NA	NA	NA
Fenland	TXNDC15	rs77625575	0.015	0.115	1.02 (0.81, 1.27)	0.894	0.989	NA	NA	NA
Fenland	APOB	rs541041	-0.032	0.243	0.97 (0.60, 1.56)	0.894	0.989	NA	NA	NA
Fenland	C4A C4B EHMT2	rs2763982	0.005	0.041	1.01 (0.93, 1.09)	0.895	0.989	NA	NA	NA
Fenland	PF4V1	rs2367288	0.004	0.031	1.00 (0.94, 1.07)	0.897	0.989	NA	NA	NA
Fenland	ITIH4	rs77347777	0.018	0.140	1.02 (0.77, 1.34)	0.897	0.989	NA	NA	NA
Fenland	PPCS	rs11210644	0.019	0.148	1.02 (0.76, 1.36)	0.898	0.989	NA	NA	NA
Fenland	SDF2L1	rs73166641	0.019	0.150	1.02 (0.76, 1.37)	0.898	0.989	NA	NA	NA
Fenland	SMOC1	rs1958078	0.011	0.089	1.01 (0.85, 1.20)	0.900	0.989	NA	NA	NA
Fenland	RAB6B	rs10212397	0.009	0.074	1.01 (0.87, 1.17)	0.903	0.989	NA	NA	NA
Fenland	ISOC1	rs34942382	0.012	0.097	1.01 (0.84, 1.22)	0.903	0.989	NA	NA	NA
Fenland	ASGR1	rs55714927	0.026	0.211	1.03 (0.68, 1.55)	0.903	0.989	NA	NA	NA
Fenland	GP1BA	rs1060431	-0.017	0.142	0.98 (0.74, 1.30)	0.905	0.989	NA	NA	NA
Fenland	AGRN	rs3128125	-0.013	0.108	0.99 (0.80, 1.22)	0.906	0.989	NA	NA	NA

Fenland	TCN1	rs34324219	0.011	0.093	1.01 (0.84, 1.21)	0.908	0.989	NA	NA	NA
Fenland	CABLES2	rs2236201	-0.033	0.283	0.97 (0.56, 1.69)	0.908	0.989	NA	NA	NA
Fenland	DNAJB14	rs55797991	0.033	0.287	1.03 (0.59, 1.81)	0.909	0.989	NA	NA	NA
Fenland	FAM3B	rs17000823	-0.009	0.077	0.99 (0.85, 1.15)	0.910	0.989	NA	NA	NA
Fenland	PGM1	rs2269247	-0.017	0.152	0.98 (0.73, 1.32)	0.910	0.989	NA	NA	NA
Fenland	MTHFD2	rs12469365	0.022	0.196	1.02 (0.70, 1.50)	0.910	0.989	NA	NA	NA
Fenland	MANSC1	rs56829405	-0.008	0.074	0.99 (0.86, 1.15)	0.911	0.989	NA	NA	NA
Fenland	HABP4	rs10820606	-0.005	0.041	1.00 (0.92, 1.08)	0.912	0.989	NA	NA	NA
Fenland	PCNP	rs10936715	-0.018	0.163	0.98 (0.71, 1.35)	0.913	0.989	NA	NA	NA
Fenland	GZMM	rs16989724	0.029	0.263	1.03 (0.61, 1.72)	0.913	0.989	NA	NA	NA
Fenland	MDK	rs77817298	0.034	0.315	1.03 (0.56, 1.92)	0.913	0.989	NA	NA	NA
Fenland	KRT5	rs641621	0.021	0.191	1.02 (0.70, 1.48)	0.914	0.989	NA	NA	NA
Fenland	CHMP3	rs7593151	0.025	0.231	1.03 (0.65, 1.61)	0.914	0.989	NA	NA	NA
Fenland	SFTPD	rs11201057	0.005	0.046	1.00 (0.92, 1.10)	0.915	0.989	NA	NA	NA
Fenland	PDCD1LG2	rs16923189	-0.006	0.056	0.99 (0.89, 1.11)	0.915	0.989	NA	NA	NA
Fenland	NID1	rs76183323	0.017	0.155	1.02 (0.75, 1.38)	0.915	0.989	NA	NA	NA
Fenland	KIF24 NUDT2	rs4879779	-0.008	0.072	0.99 (0.86, 1.14)	0.916	0.989	NA	NA	NA
Fenland	GOLM1	rs10780749	0.014	0.137	1.01 (0.78, 1.33)	0.916	0.989	NA	NA	NA
Fenland	GOLM1	rs10780749	0.021	0.196	1.02 (0.70, 1.50)	0.916	0.989	NA	NA	NA
Fenland	ANXA2	rs8033800	-0.003	0.033	1.00 (0.93, 1.06)	0.917	0.989	NA	NA	NA
Fenland	GGPS1	rs116088703	0.016	0.158	1.02 (0.75, 1.39)	0.917	0.989	NA	NA	NA
Fenland	HYAL1	rs116482870	-0.021	0.201	0.98 (0.66, 1.45)	0.917	0.989	NA	NA	NA
Fenland	CPM	rs7976135	-0.022	0.215	0.98 (0.64, 1.49)	0.917	0.989	NA	NA	NA
Fenland	SHMT1	rs4398149	-0.003	0.031	1.00 (0.94, 1.06)	0.918	0.989	NA	NA	NA
Fenland	HEXB	rs13164140	-0.009	0.090	0.99 (0.83, 1.18)	0.918	0.989	NA	NA	NA
Fenland	MFGE8	rs34239095	0.009	0.091	1.01 (0.84, 1.21)	0.918	0.989	NA	NA	NA
Fenland	TAX1BP3	rs467277	0.018	0.173	1.02 (0.72, 1.43)	0.918	0.989	NA	NA	NA
Fenland	UBE2F	rs6723077	0.024	0.236	1.02 (0.64, 1.63)	0.918	0.989	NA	NA	NA
Fenland	KLK10	rs2569454	0.005	0.052	1.01 (0.91, 1.11)	0.920	0.989	NA	NA	NA
Fenland	RALB	rs6722943	0.012	0.119	1.01 (0.80, 1.28)	0.920	0.989	NA	NA	NA
Fenland	DSC2	rs4799305	-0.012	0.120	0.99 (0.78, 1.25)	0.921	0.989	NA	NA	NA
Fenland	SEPSECS	rs4697549	0.015	0.157	1.02 (0.75, 1.38)	0.922	0.990	NA	NA	NA

Fenland	SELL	rs4140655	0.005	0.050	1.00 (0.91, 1.11)	0.923	0.990	NA	NA	NA
Fenland	TIMP4	rs184262	-0.007	0.074	0.99 (0.86, 1.15)	0.924	0.990	NA	NA	NA
Fenland	UGT1A6 UGT1A8	rs6742078	0.011	0.118	1.01 (0.80, 1.27)	0.926	0.990	NA	NA	NA
Fenland	FAIM	rs641320	0.005	0.057	1.01 (0.90, 1.12)	0.927	0.990	NA	NA	NA
Fenland	MMP1	rs471994	-0.004	0.048	1.00 (0.91, 1.09)	0.929	0.990	NA	NA	NA
Fenland	FUT8	rs2127870	-0.002	0.026	1.00 (0.95, 1.05)	0.930	0.990	NA	NA	NA
Fenland	GSTA1	rs6458869	-0.005	0.060	0.99 (0.88, 1.12)	0.931	0.990	NA	NA	NA
Fenland	FAM3B	rs57529409	0.009	0.107	1.01 (0.82, 1.25)	0.931	0.990	NA	NA	NA
Fenland	SYT11	rs145976521	0.016	0.179	1.02 (0.72, 1.44)	0.931	0.990	NA	NA	NA
Fenland	CHMP2B	rs9822911	-0.006	0.071	0.99 (0.86, 1.14)	0.932	0.990	NA	NA	NA
Fenland	B4GALT1	rs7019909	0.008	0.100	1.01 (0.83, 1.23)	0.932	0.990	NA	NA	NA
Fenland	CERT1	rs9791146	-0.018	0.207	0.98 (0.65, 1.47)	0.932	0.990	NA	NA	NA
Fenland	CERT1	rs9791146	-0.021	0.248	0.98 (0.60, 1.59)	0.932	0.990	NA	NA	NA
Fenland	MCEE	rs6740268	0.012	0.148	1.01 (0.76, 1.35)	0.934	0.992	NA	NA	NA
Fenland	GPCPD1	rs6085222	0.016	0.204	1.02 (0.68, 1.52)	0.936	0.992	NA	NA	NA
Fenland	IGF2R	rs3777404	-0.004	0.044	1.00 (0.91, 1.09)	0.937	0.992	NA	NA	NA
Fenland	IL15RA	rs8177643	-0.020	0.250	0.98 (0.60, 1.60)	0.937	0.992	NA	NA	NA
Fenland	ANTXR2	rs9996178	0.010	0.123	1.01 (0.79, 1.29)	0.938	0.992	NA	NA	NA
Fenland	ASF1A	rs147886588	0.009	0.120	1.01 (0.80, 1.28)	0.939	0.992	NA	NA	NA
Fenland	IL15RA	rs8177683	-0.006	0.073	0.99 (0.86, 1.15)	0.940	0.992	NA	NA	NA
Fenland	MAPK12	rs9617128	0.005	0.073	1.01 (0.87, 1.16)	0.941	0.992	NA	NA	NA
Fenland	KLK11	rs1048328	0.002	0.033	1.00 (0.94, 1.07)	0.942	0.992	NA	NA	NA
Fenland	PGLYRP1	rs12462367	0.010	0.138	1.01 (0.77, 1.32)	0.942	0.992	NA	NA	NA
Fenland	PGLYRP2	rs10164310	0.005	0.065	1.00 (0.88, 1.14)	0.944	0.992	NA	NA	NA
Fenland	MPL	rs12731981	0.019	0.264	1.02 (0.61, 1.71)	0.944	0.992	NA	NA	NA
Fenland	MAGI2	rs73147474	-0.003	0.038	1.00 (0.93, 1.07)	0.945	0.992	NA	NA	NA
Fenland	ENTPD5	rs147326645	-0.003	0.047	1.00 (0.91, 1.09)	0.945	0.992	NA	NA	NA
Fenland	IL1RL1	rs10179654	0.002	0.033	1.00 (0.94, 1.07)	0.947	0.993	NA	NA	NA
Fenland	CCN4	rs2013158	0.003	0.042	1.00 (0.92, 1.09)	0.950	0.993	NA	NA	NA
Fenland	IDUA	rs4690219	0.003	0.046	1.00 (0.92, 1.10)	0.950	0.993	NA	NA	NA
Fenland	CD48	rs1980606	-0.008	0.128	0.99 (0.77, 1.27)	0.950	0.993	NA	NA	NA
Fenland	KPNA6	rs72666722	0.011	0.177	1.01 (0.71, 1.43)	0.952	0.993	NA	NA	NA
Fenland	CLEC1B	rs4763395	0.008	0.136	1.01 (0.77, 1.32)	0.953	0.993	NA	NA	NA

Fenland	INSL5	rs11809759	0.014	0.239	1.01 (0.63, 1.62)	0.953	0.993	NA	NA	NA
Fenland	SERPINB5	rs12454742	-0.008	0.134	0.99 (0.76, 1.29)	0.954	0.993	NA	NA	NA
Fenland	CGA CGB3 CGB5 CGB7 CGB8 LHB	rs79785970	-0.003	0.051	1.00 (0.90, 1.10)	0.956	0.993	NA	NA	NA
Fenland	CPQ	rs148684432	0.006	0.104	1.01 (0.82, 1.23)	0.956	0.993	NA	NA	NA
Fenland	CST6 EIF1AD	rs72930942	0.007	0.120	1.01 (0.80, 1.27)	0.956	0.993	NA	NA	NA
Fenland	PROK2	rs7644362	-0.002	0.031	1.00 (0.94, 1.06)	0.957	0.993	NA	NA	NA
Fenland	PGLYRP3	rs3014863	-0.013	0.253	0.99 (0.60, 1.62)	0.958	0.993	NA	NA	NA
Fenland	RAB31	rs12607866	-0.004	0.085	1.00 (0.84, 1.18)	0.959	0.993	NA	NA	NA
Fenland	IL12B IL23A	rs4244437	-0.003	0.053	1.00 (0.90, 1.11)	0.960	0.993	NA	NA	NA
Fenland	IL12B IL23A	rs4244437	-0.003	0.064	1.00 (0.88, 1.13)	0.960	0.993	NA	NA	NA
Fenland	KNG1	rs76438938	0.004	0.072	1.00 (0.87, 1.16)	0.960	0.993	NA	NA	NA
Fenland	VIM	rs796667	-0.009	0.178	0.99 (0.70, 1.41)	0.960	0.993	NA	NA	NA
Fenland	S100A14 S100A16	rs9330298	0.012	0.228	1.01 (0.65, 1.58)	0.960	0.993	NA	NA	NA
Fenland	SERPINA11	rs56026704	-0.005	0.115	0.99 (0.79, 1.25)	0.962	0.993	NA	NA	NA
Fenland	HGFAC	rs2498323	-0.001	0.028	1.00 (0.95, 1.06)	0.963	0.993	NA	NA	NA
Fenland	POFUT1	rs76143353	-0.003	0.061	1.00 (0.88, 1.12)	0.963	0.993	NA	NA	NA
Fenland	CKMT2	rs114173713	0.009	0.186	1.01 (0.70, 1.45)	0.963	0.993	NA	NA	NA
Fenland	HTRA1	rs76579910	0.009	0.187	1.01 (0.70, 1.45)	0.963	0.993	NA	NA	NA
Fenland	ACADSB	rs7913063	-0.003	0.068	1.00 (0.87, 1.14)	0.966	0.995	NA	NA	NA
Fenland	ANXA1	rs62541553	0.006	0.134	1.01 (0.77, 1.31)	0.967	0.995	NA	NA	NA
Fenland	SMPDL3A	rs28385609	0.004	0.107	1.00 (0.81, 1.24)	0.968	0.995	NA	NA	NA
Fenland	SNX1	rs1802376	0.005	0.133	1.01 (0.77, 1.31)	0.968	0.995	NA	NA	NA
Fenland	HTATIP2	rs10437608	-0.001	0.030	1.00 (0.94, 1.06)	0.971	0.995	NA	NA	NA
Fenland	LY75	rs17231342	0.001	0.031	1.00 (0.94, 1.06)	0.971	0.995	NA	NA	NA
Fenland	ADSS1	rs72715968	0.002	0.070	1.00 (0.87, 1.15)	0.971	0.995	NA	NA	NA
Fenland	CBR3	rs60043102	0.002	0.048	1.00 (0.91, 1.10)	0.972	0.995	NA	NA	NA
Fenland	PSG9	rs28836541	-0.005	0.150	1.00 (0.74, 1.33)	0.973	0.995	NA	NA	NA
Fenland	PRKCSH	rs11557488	0.011	0.339	1.01 (0.52, 1.96)	0.974	0.995	NA	NA	NA
Fenland	CLPS	rs2766588	0.002	0.061	1.00 (0.89, 1.13)	0.975	0.995	NA	NA	NA
Fenland	GUCA2B	rs1047047	-0.007	0.212	0.99 (0.66, 1.51)	0.975	0.995	NA	NA	NA
Fenland	B4GALT7	rs7735142	0.011	0.357	1.01 (0.50, 2.03)	0.976	0.996	NA	NA	NA
Fenland	ADA2	rs2231495	-0.001	0.035	1.00 (0.93, 1.07)	0.977	0.996	NA	NA	NA

Fenland	GFRA2	rs15881	0.002	0.073	1.00 (0.87, 1.16)	0.981	0.996	NA	NA	NA
Fenland	TRIM3	rs60616451	-0.003	0.137	1.00 (0.76, 1.30)	0.981	0.996	NA	NA	NA
Fenland	DLK2	rs67861980	-0.004	0.163	1.00 (0.72, 1.37)	0.981	0.996	NA	NA	NA
Fenland	ANXA2	rs34293839	-0.001	0.043	1.00 (0.92, 1.09)	0.982	0.996	NA	NA	NA
Fenland	LDHC	rs2643858	-0.004	0.185	1.00 (0.69, 1.43)	0.982	0.996	NA	NA	NA
Fenland	PRSS2	rs1799886	0.002	0.114	1.00 (0.80, 1.25)	0.983	0.996	NA	NA	NA
Fenland	RAP1GDS1	rs4699632	0.005	0.245	1.01 (0.62, 1.63)	0.983	0.996	NA	NA	NA
Fenland	GSTT2B	rs5751777	0.001	0.044	1.00 (0.92, 1.09)	0.984	0.996	NA	NA	NA
Fenland	DSG2	rs9945420	-0.003	0.134	1.00 (0.77, 1.30)	0.984	0.996	NA	NA	NA
Fenland	MANF	rs1552074	0.005	0.240	1.00 (0.63, 1.61)	0.984	0.996	NA	NA	NA
Fenland	IGFLR1	rs2871921	-0.001	0.058	1.00 (0.89, 1.12)	0.986	0.996	NA	NA	NA
Fenland	IL17B	rs6862301	0.004	0.214	1.00 (0.66, 1.53)	0.986	0.996	NA	NA	NA
Fenland	PSMB4	rs4603	-0.001	0.069	1.00 (0.87, 1.14)	0.988	0.997	NA	NA	NA
Fenland	MDGA1	rs9349050	-2.80E-04	0.023	1.00 (0.96, 1.05)	0.990	0.998	NA	NA	NA
Fenland	KDR	rs34231037	-0.001	0.097	1.00 (0.83, 1.21)	0.990	0.998	NA	NA	NA
Fenland	STARD5	rs4392019	0.001	0.060	1.00 (0.89, 1.12)	0.992	0.999	NA	NA	NA
Fenland	B3GAT3	rs12794886	-0.001	0.077	1.00 (0.86, 1.16)	0.994	0.999	NA	NA	NA
Fenland	FBLN5	rs2402088	-0.002	0.240	1.00 (0.62, 1.60)	0.994	0.999	NA	NA	NA
Fenland	A1BG	rs893184	3.73E-04	0.057	1.00 (0.90, 1.12)	0.995	0.999	NA	NA	NA
Fenland	INHBC	rs3741414	7.65E-05	0.022	1.00 (0.96, 1.04)	0.997	0.999	NA	NA	NA
Fenland	PDIA5	rs3804749	-1.14E-04	0.029	1.00 (0.94, 1.06)	0.997	0.999	NA	NA	NA
Fenland	PLA2R1	rs3749117	-1.60E-04	0.040	1.00 (0.92, 1.08)	0.997	0.999	NA	NA	NA
Fenland	INHBC	rs3741414	0.001	0.268	1.00 (0.59, 1.69)	0.997	0.999	NA	NA	NA
Fenland	POGLUT3	rs74911261	-1.54E-04	0.074	1.00 (0.86, 1.16)	0.998	0.999	NA	NA	NA
Fenland	CD7	rs3176831	-1.24E-04	0.089	1.00 (0.84, 1.19)	0.999	0.999	NA	NA	NA

* Only the values of P value (HEIDI test), Number of SNPs used in HEIDI test, and PPH4 are calculated when P value < 0.05
SNP, single nucleotide polymorphism; OR, odds ratio; CI, confidence interval; FDR, false discovery rate; HEIDI, heterogeneity in dependent instruments; PPH4, posterior probability of H4

Table S2. Summary data-level Mendelian randomization analysis for association between protein and LAAS

3.2 Gene Methylation and LAAS

Only three genes (CD40, DKKL1, and ITGAV) were successfully retrieved for analysis. Data for the remaining two genes of interest (LPA and MMP12) were not obtained. Consequently, their potential associations with LAAS could not be evaluated in this study (Table S3 and Fig. 3).

Gene	probeID	Beta	SE	OR (95% CI)	P value	P value after FDR adjustment	P value (HEIDI test)	Number of SNPs used in HEIDI test	PPH4
CD40	cg11841529	0.456	0.110	1.58 (1.27, 1.96)	3.26E-05	4.24E-04	0.270	20	98.8%
CD40	cg24575067	0.755	0.209	2.13 (1.41, 3.21)	3.07E-04	0.002	0.400	20	97.1%
CD40	cg21601405	0.132	0.060	1.14 (1.01, 1.28)	0.028	0.047	0.063	20	5.9%
CD40	cg22232207	0.250	0.116	1.28 (1.02, 1.61)	0.031	0.047	0.068	20	8.6%
CD40	cg25239996	0.294	0.138	1.34 (1.02, 1.76)	0.033	0.047	0.381	20	58.9%
CD40	cg01149415	-0.368	0.285	0.69 (0.40, 1.21)	0.196	0.255	NA	NA	5.7%
DKKL1	cg05022225	0.108	0.031	1.11 (1.05, 1.18)	4.88E-04	0.002	0.036	20	58.2%
DKKL1	cg08593051	0.363	0.110	1.44 (1.16, 1.78)	0.001	0.003	0.536	20	48.5%
DKKL1	cg12506903	0.348	0.111	1.42 (1.14, 1.76)	0.002	0.005	0.001	20	46.7%
DKKL1	cg27024876	0.286	0.093	1.33 (1.11, 1.60)	0.002	0.005	0.017	20	37.5%
DKKL1	cg20208858	-0.009	0.027	0.99 (0.94, 1.05)	0.737	0.737	0.001	20	0.5%
ITGAV	cg15732657	0.065	0.085	1.07 (0.90, 1.26)	0.442	0.523	0.077	20	1.8%
ITGAV	cg03530967	-0.093	0.194	0.91 (0.62, 1.33)	0.632	0.684	0.306	20	3.8%

OR, odds ratio; CI, confidence interval; FDR, false discovery rate; HEIDI, heterogeneity in dependent instruments; PPH4, posterior probability of H4

Table S3: Summary data-level Mendelian randomization analysis for association between gene methylations and LAAS

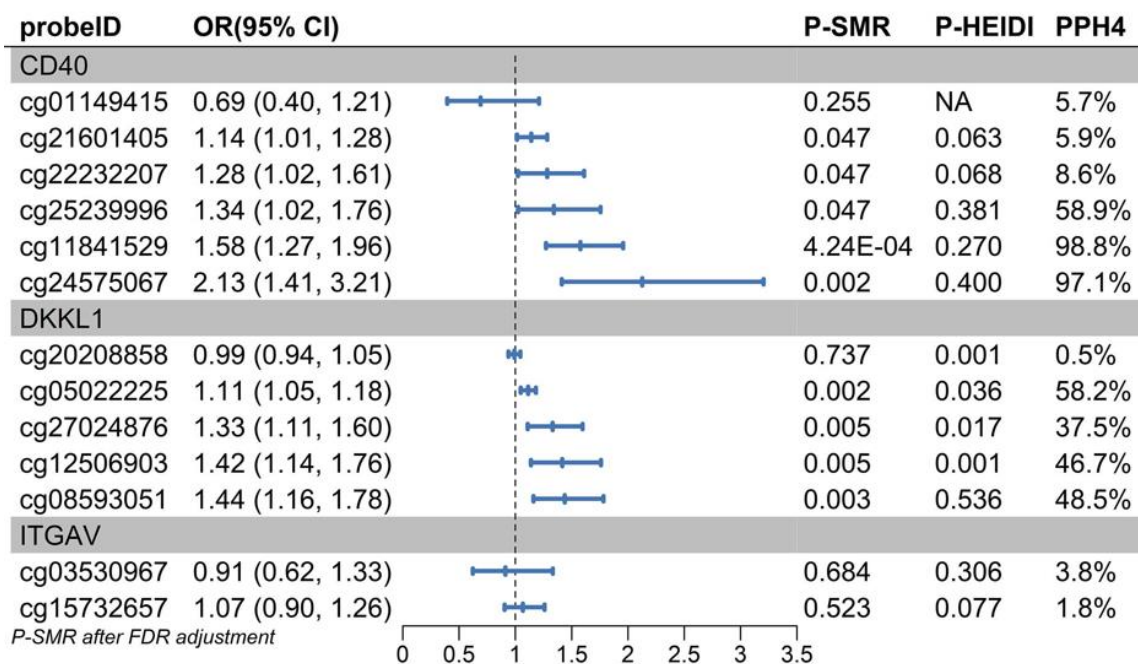


FIGURE 3 - Associations of genetically predicted gene methylation with LAAS in Summary-data-based Mendelian randomization. OR, odds ratio; CI, confidence interval; PPH4, posterior probability of H4.

We identified methylation sites significantly associated with LAAS. Applying stringent criteria (PPH4 > 70% and P-HEIDI > 0.05), two probes within the CD40 gene (cg11841529 and cg24575067) demonstrated robust evidence of causal association. For cg11841529, the methylation effect was substantial (Beta = 0.456, SE = 0.110; OR = 1.58, 95% CI: 1.27–1.96) with high statistical significance (FDR-adjusted P = 4.24 × 10⁻⁴). The reliability metrics supported its robustness (P-HEIDI = 0.270; PPH4 = 98.8%). Similarly, cg24575067 showed a stronger effect

size (Beta = 0.755, SE = 0.209; OR = 2.13, 95% CI: 1.41–3.21; FDR-adjusted P = 0.002) and met both reliability thresholds (P-HEIDI = 0.400; PPH4 = 97.1%). These findings suggest that methylation alterations in CD40 are independently associated with the phenotype, free from horizontal pleiotropy. Other probes (DKKL1, ITGAV) showed nominal significance but were excluded due to insufficient PPH4 (<70%) or HEIDI-test violations (P ≤ 0.05), indicating potential heterogeneity or pleiotropic effects.

3.3 Gene Expression and LAAS

Genetically predicted tissue-specific gene expression revealed significant causal associations with disease risk after false

discovery rate (FDR) correction (PFDR <0.05) and colocalization filtering (PPH4 >70%) (Table S4 and Fig. 4).

Gene	Tissue	Beta	SE	OR (95% CI)	P value	P value after FDR adjustment	P value (HEIDI test)	Number of SNPs used in HEIDI test	PPH4
CD40	Adipose_Subcutaneous	-0.261	0.118	0.77 (0.61, 0.97)	0.027	0.034	0.434	14	45.0%
CD40	Adipose_Visceral_Omentum	-0.259	0.073	0.77 (0.67, 0.89)	3.67E-04	0.001	0.265	20	97.5%
CD40	Adrenal_Gland	-0.216	0.097	0.81 (0.67, 0.97)	0.026	0.034	0.276	6	97.4%
CD40	Artery_Aorta	-0.288	0.078	0.75 (0.64, 0.87)	2.37E-04	0.001	0.066	20	97.5%
CD40	Artery_Tibial	-0.419	0.129	0.66 (0.51, 0.85)	0.001	0.003	0.050	13	96.5%
CD40	Brain_Cerebellum	-0.127	0.057	0.88 (0.79, 0.99)	0.026	0.034	0.339	11	88.2%
CD40	Breast_Mammary_Tissue	-0.526	0.140	0.59 (0.45, 0.78)	1.76E-04	0.001	0.570	9	99.1%
CD40	Cells_Cultured_fibroblasts	-0.076	0.083	0.93 (0.79, 1.09)	0.361	0.387	0.026	18	1.3%
CD40	Colon_Sigmoid	-0.411	0.116	0.66 (0.53, 0.83)	4.15E-04	0.001	0.009	9	97.8%
CD40	Colon_Transverse	-0.659	0.178	0.52 (0.36, 0.73)	2.08E-04	0.001	0.231	9	99.4%
CD40	Esophagus_Gastroesophageal_Junction	-0.414	0.116	0.66 (0.53, 0.83)	3.72E-04	0.001	0.153	14	97.9%
CD40	Esophagus_Mucosa	-0.303	0.159	0.74 (0.54, 1.01)	0.057	0.067	0.162	6	88.1%
CD40	Esophagus_Muscularis	-0.368	0.115	0.69 (0.55, 0.87)	0.001	0.003	0.090	17	95.0%
CD40	Heart_Atrial_Appendage	-0.413	0.116	0.66 (0.53, 0.83)	3.87E-04	0.001	0.137	8	96.9%
CD40	Heart_Left_Ventricle	-0.325	0.137	0.72 (0.55, 0.94)	0.017	0.024	0.423	14	24.9%
CD40	Lung	-0.300	0.085	0.74 (0.63, 0.88)	4.26E-04	0.001	0.249	20	93.0%
CD40	Nerve_Tibial	-0.369	0.100	0.69 (0.57, 0.84)	2.21E-04	0.001	0.303	14	97.5%
CD40	Ovary	-0.130	0.064	0.88 (0.77, 0.99)	0.041	0.049	0.139	5	73.1%
CD40	Pancreas	-0.173	0.080	0.84 (0.72, 0.98)	0.030	0.037	0.225	4	72.3%
CD40	Skin_Not_Sun_Exposed_Suprapubic	-0.398	0.107	0.67 (0.54, 0.83)	1.94E-04	0.001	0.299	9	97.0%
CD40	Skin_Sun_Exposed_Lower_leg	-0.358	0.097	0.70 (0.58, 0.85)	2.16E-04	0.001	0.035	20	97.1%
CD40	Testis	-0.407	0.115	0.67 (0.53, 0.83)	4.16E-04	0.001	0.102	11	97.7%
CD40	Thyroid	-0.337	0.092	0.71 (0.60, 0.86)	2.55E-04	0.001	0.587	10	97.2%
CD40	Whole_Blood	-0.154	0.071	0.86 (0.75, 0.98)	0.029	0.036	0.078	20	8.7%
DKKL1	Adipose_Subcutaneous	-0.176	0.060	0.84 (0.75, 0.94)	0.003	0.006	0.340	13	44.3%
DKKL1	Adipose_Visceral_Omentum	-0.167	0.049	0.85 (0.77, 0.93)	0.001	0.002	0.655	15	93.6%
DKKL1	Artery_Aorta	-0.134	0.045	0.87 (0.80, 0.96)	0.003	0.006	0.428	12	80.0%
DKKL1	Artery_Coronary	-0.142	0.054	0.87 (0.78, 0.96)	0.008	0.011	0.395	4	55.0%
DKKL1	Artery_Tibial	-0.123	0.042	0.88 (0.81, 0.96)	0.004	0.006	0.174	20	34.4%
DKKL1	Breast_Mammary_Tissue	-0.153	0.051	0.86 (0.78, 0.95)	0.003	0.006	0.159	13	36.8%
DKKL1	Cells_Cultured_fibroblasts	-0.160	0.058	0.85 (0.76, 0.96)	0.006	0.009	0.036	11	36.7%
DKKL1	Colon_Sigmoid	-0.117	0.042	0.89 (0.82, 0.97)	0.006	0.009	0.125	19	36.1%
DKKL1	Colon_Transverse	-0.300	0.085	0.74 (0.63, 0.87)	4.08E-04	0.001	0.419	8	95.8%
DKKL1	Esophagus_Gastroesophageal_Junction	-0.136	0.048	0.87 (0.79, 0.96)	0.005	0.008	0.316	17	56.6%
DKKL1	Esophagus_Mucosa	-0.182	0.069	0.83 (0.73, 0.95)	0.008	0.012	0.316	8	39.8%
DKKL1	Esophagus_Muscularis	-0.113	0.037	0.89 (0.83, 0.96)	0.002	0.004	0.346	20	37.3%
DKKL1	Heart_Atrial_Appendage	-0.172	0.058	0.84 (0.75, 0.94)	0.003	0.006	0.541	12	55.2%
DKKL1	Lung	-0.146	0.044	0.86 (0.79, 0.94)	0.001	0.002	0.360	20	70.8%
DKKL1	Nerve_Tibial	-0.131	0.041	0.88 (0.81, 0.95)	0.002	0.003	0.161	20	41.7%
DKKL1	Ovary	-0.141	0.047	0.87 (0.79, 0.95)	0.003	0.005	0.643	9	67.5%
DKKL1	Pancreas	-0.122	0.041	0.89 (0.82, 0.96)	0.003	0.005	0.272	14	69.8%
DKKL1	Prostate	-0.143	0.053	0.87 (0.78, 0.96)	0.006	0.009	0.201	6	64.0%
DKKL1	Skin_Not_Sun_Exposed_Suprapubic	-0.253	0.092	0.78 (0.65, 0.93)	0.006	0.009	0.391	6	79.0%
DKKL1	Skin_Sun_Exposed_Lower_leg	-0.261	0.076	0.77 (0.66, 0.89)	0.001	0.002	0.600	12	92.5%
DKKL1	Spleen	-0.151	0.052	0.86 (0.78, 0.95)	0.003	0.006	0.538	6	51.2%
DKKL1	Stomach	-0.210	0.058	0.81 (0.72, 0.91)	2.90E-04	0.001	0.510	11	94.9%
DKKL1	Testis	-0.211	0.051	0.81 (0.73, 0.89)	3.17E-05	0.001	0.430	20	95.6%
DKKL1	Thyroid	-0.225	0.080	0.80 (0.68, 0.93)	0.005	0.008	0.578	3	40.2%
ITGAV	Adipose_Subcutaneous	0.496	0.131	1.64 (1.27, 2.12)	1.47E-04	0.001	0.711	18	97.1%
ITGAV	Adipose_Visceral_Omentum	0.495	0.137	1.64 (1.26, 2.15)	2.92E-04	0.001	0.927	12	97.5%
ITGAV	Brain_Caudate_basal_ganglia	0.121	0.074	1.13 (0.98, 1.31)	0.103	0.118	0.666	14	6.5%
ITGAV	Brain_Cortex	-0.005	0.124	1.00 (0.78, 1.27)	0.971	0.971	0.058	8	3.1%
ITGAV	Brain_Putamen_basal_ganglia	0.110	0.081	1.12 (0.95, 1.31)	0.175	0.195	0.649	17	5.4%

OR: Odds Ratio; CI: Confidence Interval; FDR: False Discovery Rate; HEIDI: Heterogeneity In Dependent Instruments; PPH4: Posterior Probability of H4

Table S4: Summary data-level Mendelian randomization analysis for association between gene expression and LAAS

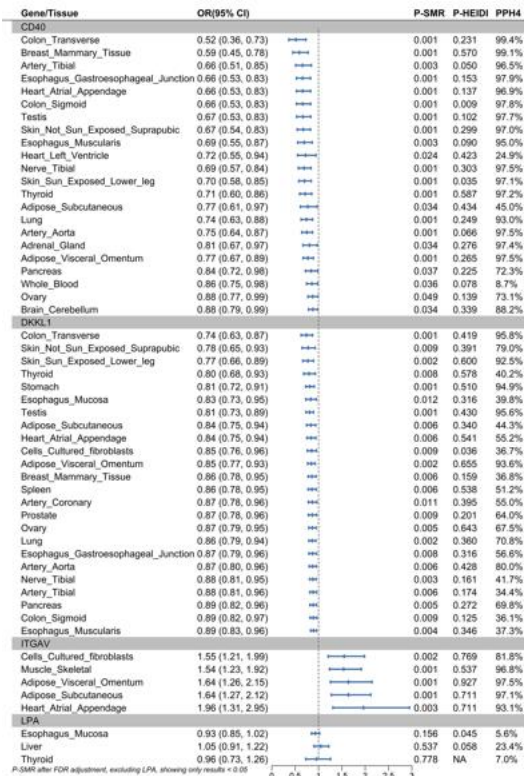


FIGURE 4 - Associations of genetically predicted gene expression with LAAS in Summary-data-based Mendelian randomization. OR, odds ratio; CI, confidence interval; HEIDI, heterogeneity in dependent instruments; PPH4, posterior probability of H4.

CD40 exhibited robust protective effects across 20 tissues, with the strongest inverse associations in transverse colon (OR = 0.52, 95% CI: 0.36–0.73; PFDR = 0.001; PPH4 = 99.4%), visceral adipose (OR = 0.77, 0.67–0.89; PFDR = 0.001; PPH4 = 97.5%), and mammary tissue (OR = 0.59, 0.45–0.78; PFDR = 0.001; PPH4 = 99.1%). DKKL1 showed consistent protection in gastrointestinal tissues, particularly stomach (OR = 0.81, 0.72–0.91; PFDR = 0.001; PPH4 = 94.9%) and transverse colon (OR = 0.74, 0.63–0.87; PFDR = 0.001; PPH4 = 95.8%), while ITGAV demonstrated risk-enhancing effects in visceral adipose (OR = 1.64, 1.26–2.15; PPH4 = 97.5%) and skeletal muscle (OR = 1.54, 1.23–1.92; PPH4 = 96.8%). Negative results for LPA persisted across all tissues after multiplicity correction (all PFDR >0.05).

Notably, transverse colon and adipose tissues harbored the most compelling associations (PPH4 >95%): In transverse colon, CD40 showed the strongest protection (OR = 0.52, 95% CI: 0.36–0.73; PPH4 = 99.4%) followed by DKKL1 (OR = 0.74, 0.63–0.87; PPH4 = 95.8%); In adipose tissues, ITGAV exhibited consistent risk effects in both subcutaneous (OR = 1.64, 1.27–2.12; PPH4 = 97.1%) and visceral omental depots (OR = 1.64, 1.26–2.15; PPH4 = 97.5%). These co-localized tissue-gene pairs suggest distinct regulatory mechanisms within anatomically related systems.

3.4 Integrating Evidence From Multi-Omics Levels

Through systematic integration of methylation quantitative trait loci (mQTL), expression QTL (eQTL), and protein QTL (pQTL) evidence, we prioritized genes associated with LAAS across three tiers of confidence. CD40 emerged as the sole gene with Tier 1 multi-omics support, demonstrating robust associations across all three omics layers. DKKL1 and ITGAV were classified as Tier 2 genes, while LPA and MMP12 were assigned to Tier 3 due to partial or weaker evidence (Table S5).

Gene	Tier	probeID	OR (95% CI)	P value	P value after FDR adjustment	P value (HEIDI test)	PPH4	Tissue	OR (95% CI)	P value	P value after FDR adjustment	P value (HEIDI test)	PPH4	Study	OR (95% CI)	P value	P value after FDR adjustment	P value (HEIDI test)	PPH4
CD40	Tier 1	cg11841529 cg24575067 cg25239966	1.58 (1.27, 1.96) 2.13 (1.41, 3.21) 1.34 (1.02, 1.76)	3.20E-05 3.07E-04 0.033	4.24E-04 0.002 0.047	0.270 0.400 0.381	98.9% 97.1% 58.9%	Skin_Sun_Exposed_Lower_leg	0.70 (0.58, 0.85)	2.16E-04	0.001	0.035	97.1%	UKB PPP FinnGen ClinK	0.75 (0.65, 0.85) 0.85 (0.79, 0.92)	1.08E-05 1.78E-05	0.005 0.003	0.577 0.623	98.5% 97.5%
								Artery_Aorta	0.75 (0.64, 0.87)	2.37E-04	0.001	0.066	97.5%						
								Testis	0.67 (0.53, 0.83)	4.16E-04	0.001	0.102	97.7%						
								Heart_Atrial_Appendage	0.66 (0.53, 0.83)	3.87E-04	0.001	0.137	96.9%						
								Esophagus_Gastroesophageal_Junction	0.66 (0.53, 0.83)	3.72E-04	0.001	0.153	97.9%						
								Colon_Transverse	0.52 (0.36, 0.73)	2.08E-04	0.001	0.231	99.4%						
								Lung	0.74 (0.63, 0.88)	4.26E-04	0.001	0.249	93.0%						
								Adipose_Visceral_Omentum	0.77 (0.67, 0.89)	3.67E-04	0.001	0.265	97.5%						
								Skin_Not_Sun_Exposed_Suprapubic	0.67 (0.54, 0.83)	1.94E-04	0.001	0.299	97.0%						
								Nerve_Tibial	0.69 (0.57, 0.84)	2.21E-04	0.001	0.303	97.5%						
								Breast_Mammary_Tissue	0.59 (0.45, 0.78)	1.76E-04	0.001	0.570	99.1%						
								Thyroid	0.71 (0.60, 0.86)	2.55E-04	0.001	0.587	97.2%						
								Artery_Tibial	0.66 (0.51, 0.85)	0.001	0.003	0.050	96.5%						
								Esophagus_Muscularis	0.69 (0.55, 0.87)	0.001	0.003	0.090	95.0%						
								Adrenal_Gland	0.81 (0.67, 0.97)	0.026	0.034	0.276	97.4%						
								Brain_Cerebellum	0.88 (0.79, 0.98)	0.026	0.034	0.339	98.2%						
								Pancreas	0.84 (0.72, 0.98)	0.030	0.037	0.225	72.3%						
								Ovary	0.88 (0.77, 0.99)	0.041	0.049	0.139	73.1%						
								Esophagus_Mucosa	0.74 (0.54, 1.01)	0.057	0.067	0.162	88.1%						
								DKKL1	Tier 2	cg05022225	1.11 (1.05, 1.18)	4.88E-04	0.002						
Colon_Transverse	0.74 (0.63, 0.87)	4.08E-04	0.001	0.419	95.8%														
Skin_Sun_Exposed_Lower_leg	0.77 (0.65, 0.89)	0.001	0.002	0.800	92.5%														
Adipose_Visceral_Omentum	0.85 (0.77, 0.93)	0.001	0.002	0.655	93.6%														
Lung	0.86 (0.79, 0.94)	0.001	0.002	0.360	70.8%														
Ovary	0.87 (0.79, 0.95)	0.003	0.005	0.643	87.5%														
Pancreas	0.89 (0.82, 0.96)	0.003	0.005	0.272	69.8%														
Heart_Atrial_Appendage	0.84 (0.75, 0.94)	0.003	0.006	0.541	55.2%														
Artery_Aorta	0.87 (0.80, 0.95)	0.003	0.006	0.428	80.0%														
Spleen	0.86 (0.79, 0.93)	0.003	0.006	0.538	51.2%														
Esophagus_Gastroesophageal_Junction	0.87 (0.79, 0.95)	0.005	0.008	0.316	58.9%														
Skin_Not_Sun_Exposed_Suprapubic	0.78 (0.65, 0.93)	0.006	0.009	0.391	79.0%														
Prostate	0.87 (0.78, 0.96)	0.006	0.009	0.201	64.0%														
Artery_Coronary	0.87 (0.78, 0.96)	0.006	0.009	0.316	56.0%														
Muscle_Skeletal	1.54 (1.23, 1.92)	1.24E-04	0.001	0.537	96.8%														
Adipose_Subcutaneous	1.64 (1.27, 2.12)	1.47E-04	0.001	0.711	97.1%														
Adipose_Visceral_Omentum	1.64 (1.26, 2.15)	2.92E-04	0.001	0.927	97.5%														
Cells_Cultured_Fibroblasts	1.55 (1.21, 1.90)	0.001	0.002	0.769	81.8%														
Heart_Atrial_Appendage	1.96 (1.31, 2.95)	0.001	0.003	0.711	93.1%														
Esophagus_Mucosa	1.32 (0.85, 2.05)	0.214	0.233	0.201	81.9%														
ITGAV	Tier 2	cg15732657 cg03530967	1.07 (0.90, 1.26) 0.91 (0.62, 1.33)	0.442 0.632	0.523 0.684	0.077 0.306	1.8% 3.8%	Muscle_Skeletal	1.54 (1.23, 1.92)	1.24E-04	0.001	0.537	96.8%	UKB PPP	1.94 (1.38, 2.74)	1.37E-04	0.041	0.215	79.4%
								Adipose_Subcutaneous	1.64 (1.27, 2.12)	1.47E-04	0.001	0.711	97.1%						
LPA	Tier 3	NA	NA	NA	NA	NA	NA	Thyroid	0.96 (0.73, 1.25)	0.752	0.778	NA	7.0%	FinnGen ClinK UKB PPP	1.36 (1.20, 1.59) 1.28 (1.17, 1.40)	7.62E-06 1.32E-07	0.002 1.94E-04	0.970 0.784	99.9% 100.0%
								Esophagus_Mucosa	0.93 (0.85, 1.02)	0.138	0.156	0.045	5.6%						
MMP12	Tier 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	INTERVAL FinnGen ClinK UKB PPP Fenland FinnGen Somescan	0.80 (0.73, 0.88) 0.81 (0.74, 0.89) 0.80 (0.73, 0.88) 0.78 (0.70, 0.87) 0.80 (0.73, 0.88)	2.61E-06 8.18E-06 3.54E-06 4.04E-06 7.37E-06	0.001 0.002 0.003 0.005 0.006	NA 0.992 46.2% 46.5% 62.5%	

QTL: Quantitative Trait Loci; OR: Odds Ratio; CI: Confidence Interval; FDR: False Discovery Rate; HEIDI: Heterogeneity In Dependent Instruments; PPH4: Posterior Probability of H4

Table S5: Associations of genetically predicted methylation, expression, and protein of candidate gene with LAAS

Manhattan plots delineate genome-wide associations between molecular features and LAAS across protein abundance, gene expression, and methylation levels (Fig. 5).

Integrative SMR analyses demonstrated significant regulatory cascades from methylation quantitative trait loci (mQTLs) to expression QTLs (eQTLs) and subsequently to protein QTLs (pQTLs) across tissues. For CD40, brain-specific mQTLs (e.g.,

cg11841529: OR = 0.21, P = 8.22E-05; cg21601405: OR = 0.29, P = 1.98E-04) inversely correlated with gene expression, while DKKL1 exhibited robust tissue-specific mQTL-eQTL-pQTL links, particularly in visceral adipose (OR = 7.48, P = 5.07E-19) and aorta (OR = 5.55, P = 1.10E-16). Notably, DKKL1 associations extended to colon (OR = 24.58, P = 6.75E-11) and pancreas (OR = 4.76, P = 2.12E-16), supported by high PPH4 (>95%) and consistent significance after FDR adjustment (Table S6).

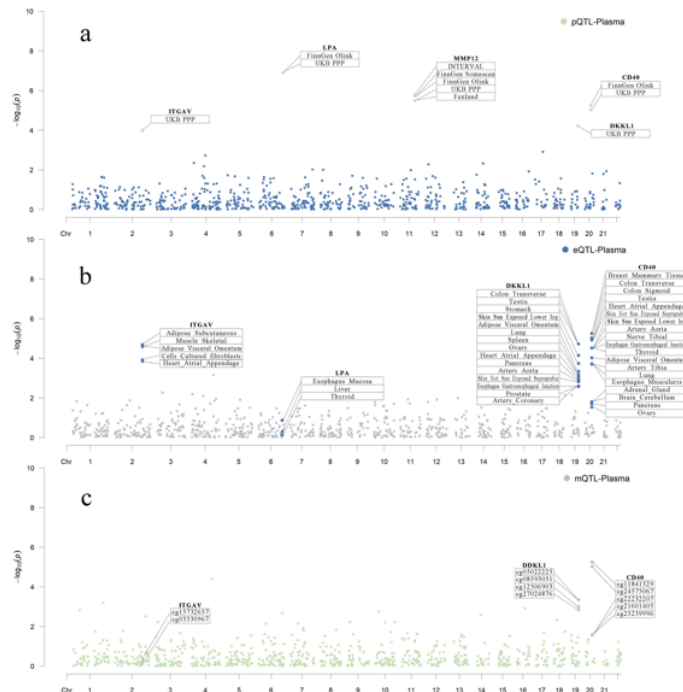


FIGURE 5 - Manhattan plot for associations between gene molecular features and LAAS. Manhattan plot for protein abundance (a), expression (b) and methylation (c). Genes with significant signals in protein abundance levels were labeled.

Study	Gene	probelD	Tissue	mQTL → eQTL				eQTL → pQTL					
				OR (95% CI)	P value	P value after FDR adjustment	P value (HEIDI test)	PPH4	OR (95% CI)	P value	P value after FDR adjustment	P value (HEIDI test)	PPH4
UKB PPP	CD40	cg11841529	Brain Nucleus accumbens basal ganglia	0.21 (0.10, 0.45)	8.22E-05	1.11E-04	0.717	98.7%	2.37 (1.69, 3.33)	6.55E-07	9.62E-07	0.939	99.1%
UKB PPP	CD40	cg21601405	Brain Nucleus accumbens basal ganglia	0.29 (0.15, 0.56)	1.98E-04	2.35E-04	0.638	95.3%	2.37 (1.69, 3.33)	6.55E-07	9.62E-07	0.939	99.1%
UKB PPP	DKKL1	cg20208858	Adipose Visceral Omentum	0.38 (0.28, 0.46)	4.04E-16	3.15E-14	2.70E-15	95.6%	7.48 (4.80, 11.64)	5.07E-19	4.10E-18	1.000	96.9%
UKB PPP	DKKL1	cg27024876	Adipose Visceral Omentum	0.14 (0.08, 0.24)	4.77E-12	8.45E-11	0.031	95.2%	7.48 (4.80, 11.64)	5.07E-19	4.10E-18	1.000	96.9%
UKB PPP	DKKL1	cg12506903	Adipose Visceral Omentum	0.10 (0.05, 0.19)	6.80E-11	7.32E-10	0.898	95.7%	7.48 (4.80, 11.64)	5.07E-19	4.10E-18	1.000	96.9%
UKB PPP	DKKL1	cg08593051	Adipose Visceral Omentum	0.11 (0.06, 0.22)	1.27E-10	1.27E-09	0.691	86.9%	7.48 (4.80, 11.64)	5.07E-19	4.10E-18	1.000	96.9%
UKB PPP	DKKL1	cg20208858	Artery Aorta	0.34 (0.26, 0.45)	1.41E-14	4.93E-13	9.21E-14	98.3%	5.55 (3.70, 8.32)	1.10E-16	6.64E-16	1.000	86.5%
UKB PPP	DKKL1	cg05022225	Artery Aorta	0.51 (0.42, 0.60)	4.08E-14	1.19E-12	0.004	75.9%	5.55 (3.70, 8.32)	1.10E-16	6.64E-16	1.000	86.5%
UKB PPP	DKKL1	cg27024876	Artery Aorta	0.13 (0.07, 0.23)	4.89E-11	5.61E-10	0.054	97.1%	5.55 (3.70, 8.32)	1.10E-16	6.64E-16	1.000	86.5%
UKB PPP	DKKL1	cg12506903	Artery Aorta	0.08 (0.04, 0.18)	3.16E-10	2.77E-09	0.749	97.7%	5.55 (3.70, 8.32)	1.10E-16	6.64E-16	1.000	86.5%
UKB PPP	DKKL1	cg08593051	Artery Aorta	0.10 (0.05, 0.21)	5.97E-10	4.59E-09	0.797	94.2%	5.55 (3.70, 8.32)	1.10E-16	6.64E-16	1.000	86.5%
UKB PPP	DKKL1	cg20208858	Colon Transverse	0.52 (0.42, 0.64)	8.28E-10	1.61E-09	1.31E-09	98.3%	24.58 (9.40, 64.29)	6.75E-11	1.60E-10	0.261	99.0%
UKB PPP	DKKL1	cg05022225	Colon Transverse	0.66 (0.58, 0.76)	3.84E-09	2.38E-08	0.027	85.8%	24.58 (9.40, 64.29)	6.75E-11	1.60E-10	0.261	99.0%
UKB PPP	DKKL1	cg27024876	Colon Transverse	0.29 (0.18, 0.45)	5.57E-08	2.25E-07	0.038	95.6%	24.58 (9.40, 64.29)	6.75E-11	1.60E-10	0.261	99.0%
UKB PPP	DKKL1	cg12506903	Colon Transverse	0.22 (0.13, 0.39)	8.71E-08	3.28E-07	0.130	96.2%	24.58 (9.40, 64.29)	6.75E-11	1.60E-10	0.261	99.0%
UKB PPP	DKKL1	cg08593051	Colon Transverse	0.25 (0.15, 0.42)	2.33E-07	7.65E-07	0.604	89.3%	24.58 (9.40, 64.29)	6.75E-11	1.60E-10	0.261	99.0%
UKB PPP	DKKL1	cg05022225	Ovary	0.48 (0.39, 0.59)	4.83E-12	8.45E-11	0.010	98.3%	5.58 (3.45, 9.01)	2.11E-12	6.61E-12	0.910	77.0%
UKB PPP	DKKL1	cg20208858	Ovary	0.33 (0.24, 0.46)	2.05E-11	2.71E-10	1.33E-10	98.3%	5.58 (3.45, 9.01)	2.11E-12	6.61E-12	0.910	77.0%
UKB PPP	DKKL1	cg08593051	Ovary	0.08 (0.04, 0.19)	5.89E-09	3.31E-08	0.629	98.1%	5.58 (3.45, 9.01)	2.11E-12	6.61E-12	0.910	77.0%
UKB PPP	DKKL1	cg27024876	Ovary	0.13 (0.06, 0.26)	1.09E-08	5.57E-08	0.053	95.4%	5.58 (3.45, 9.01)	2.11E-12	6.61E-12	0.910	77.0%
UKB PPP	DKKL1	cg12506903	Ovary	0.08 (0.03, 0.19)	1.12E-08	5.65E-08	0.669	97.6%	5.58 (3.45, 9.01)	2.11E-12	6.61E-12	0.910	77.0%
UKB PPP	DKKL1	cg05022225	Pancreas	0.45 (0.37, 0.55)	3.18E-15	1.59E-13	0.005	98.1%	4.76 (3.28, 6.92)	2.12E-16	1.21E-15	0.806	55.2%
UKB PPP	DKKL1	cg20208858	Pancreas	0.31 (0.23, 0.43)	2.11E-13	4.62E-12	5.56E-13	94.1%	4.76 (3.28, 6.92)	2.12E-16	1.21E-15	0.806	55.2%
UKB PPP	DKKL1	cg27024876	Pancreas	0.10 (0.05, 0.20)	1.15E-10	1.17E-09	0.012	90.5%	4.76 (3.28, 6.92)	2.12E-16	1.21E-15	0.806	55.2%
UKB PPP	DKKL1	cg08593051	Pancreas	0.07 (0.03, 0.16)	1.94E-10	1.86E-09	0.192	98.2%	4.76 (3.28, 6.92)	2.12E-16	1.21E-15	0.806	55.2%
UKB PPP	DKKL1	cg12506903	Pancreas	0.07 (0.03, 0.16)	1.11E-09	1.71E-09	0.040	95.7%	4.76 (3.28, 6.92)	2.12E-16	1.21E-15	0.806	55.2%
UKB PPP	DKKL1	cg05022225	Prostate	0.53 (0.43, 0.65)	9.61E-10	7.01E-09	0.653	76.4%	6.59 (3.82, 11.35)	1.15E-11	3.20E-11	1.000	88.3%
UKB PPP	DKKL1	cg27024876	Prostate	0.15 (0.08, 0.28)	1.12E-08	5.65E-08	0.825	97.6%	6.59 (3.82, 11.35)	1.15E-11	3.20E-11	1.000	88.3%
UKB PPP	DKKL1	cg12506903	Prostate	0.10 (0.05, 0.23)	2.57E-08	1.19E-07	0.618	97.8%	6.59 (3.82, 11.35)	1.15E-11	3.20E-11	1.000	88.3%
UKB PPP	DKKL1	cg08593051	Prostate	0.11 (0.05, 0.25)	1.03E-07	3.69E-07	0.428	93.3%	6.59 (3.82, 11.35)	1.15E-11	3.20E-11	1.000	88.3%
UKB PPP	DKKL1	cg20208858	Skin Sun Exposed Lower leg	0.55 (0.45, 0.68)	1.02E-08	5.30E-08	1.30E-09	62.2%	17.59 (7.92, 39.06)	1.86E-12	6.00E-12	1.000	89.8%
UKB PPP	DKKL1	cg27024876	Skin Sun Exposed Lower leg	0.32 (0.21, 0.49)	2.77E-07	8.87E-07	0.024	54.9%	17.59 (7.92, 39.06)	1.86E-12	6.00E-12	1.000	89.8%
UKB PPP	DKKL1	cg12506903	Skin Sun Exposed Lower leg	0.25 (0.15, 0.43)	3.94E-07	1.18E-06	0.483	57.9%	17.59 (7.92, 39.06)	1.86E-12	6.00E-12	1.000	89.8%
UKB PPP	DKKL1	cg20208858	Stomach	0.41 (0.31, 0.54)	5.70E-11	6.33E-10	7.62E-11	97.8%	8.87 (4.87, 16.16)	9.60E-13	3.33E-12	0.111	97.8%
UKB PPP	DKKL1	cg05022225	Stomach	0.57 (0.48, 0.68)	5.27E-10	4.34E-09	0.004	68.6%	8.87 (4.87, 16.16)	9.60E-13	3.33E-12	0.111	97.8%
UKB PPP	DKKL1	cg27024876	Stomach	0.18 (0.10, 0.32)	6.75E-09	3.72E-08	0.027	96.1%	8.87 (4.87, 16.16)	9.60E-13	3.33E-12	0.111	97.8%
UKB PPP	DKKL1	cg12506903	Stomach	0.13 (0.06, 0.26)	1.93E-08	9.26E-08	0.524	95.9%	8.87 (4.87, 16.16)	9.60E-13	3.33E-12	0.111	97.8%
UKB PPP	DKKL1	cg08593051	Stomach	0.15 (0.08, 0.30)	7.32E-08	2.86E-07	0.340	88.0%	8.87 (4.87, 16.16)	9.60E-13	3.33E-12	0.111	97.8%
UKB PPP	DKKL1	cg20208858	Vagina	0.37 (0.26, 0.53)	5.82E-08	2.34E-07	5.20E-08	97.0%	6.38 (3.41, 11.97)	7.34E-09	1.27E-08	1.000	62.9%
UKB PPP	DKKL1	cg05022225	Vagina	0.53 (0.42, 0.67)	1.31E-07	4.53E-07	0.021	91.9%	6.38 (3.41, 11.97)	7.34E-09	1.27E-08	1.000	62.9%
UKB PPP	DKKL1	cg27024876	Vagina	0.14 (0.06, 0.31)	3.98E-07	2.37E-06	0.089	96.4%	6.38 (3.41, 11.97)	7.34E-09	1.27E-08	1.000	62.9%
UKB PPP	DKKL1	cg12506903	Vagina	0.10 (0.04, 0.26)	1.19E-06	3.02E-06	0.990	96.9%	6.38 (3.41, 11.97)	7.34E-09	1.27E-08	1.000	62.9%
UKB PPP	DKKL1	cg08593051	Vagina	0.12 (0.05, 0.29)	2.12E-06	4.99E-06	0.541	94.9%	6.38 (3.41, 11.97)	7.34E-09	1.27E-08	1.000	62.9%
Finngen Olink	CD40	cg11841529	Brain Nucleus accumbens basal ganglia	0.21 (0.10, 0.45)	8.22E-05	1.11E-04	0.717	98.7%	7.68 (3.20, 18.44)	4.97E-06	8.60E-06	0.920	99.0%
Finngen Olink	CD40	cg21601405	Brain Nucleus accumbens basal ganglia	0.29 (0.15, 0.56)	1.98E-04	2.35E-04	0.638	95.3%	7.68 (3.20, 18.44)	4.97E-06	8.60E-06	0.920	99.0%
UKB PPP	ITGAV	cg03530967	Brain Putamen basal ganglia	0.22 (0.10, 0.50)	2.69E-04	3.07E-04	NA	3.8%	1.09 (1.03, 1.14)	2.00E-03	2.00E-03	0.965	3.9%
UKB PPP	ITGAV	cg15732657	Brain Putamen basal ganglia	4.00 (1.76, 9.10)	1.00E-03	1.00E-03	0.001	65.9%	1.09 (1.03, 1.14)	2.00E-03	2.00E-03	0.965	3.9%

*Results only shown complete causal chains meeting FDR-adjusted $P < 0.05$ and $PPH4 > 50.0\%$, excluding ITGAV. QTL: Quantitative Trait Loci; OR: Odds Ratio; CI: Confidence Interval; FDR: False Discovery Rate; HEIDI: Heterogeneity In Dependent Instruments; PPH4: Posterior Probability of H4.

Table S6: Association between methylation and expression, expression and protein abundance of mitochondrial-related genes.

3.5 FDA-Approved Drugs Targeting LAAS-Associated Genes/Proteins

Our systematic database screening identified 12 FDA-approved drugs targeting the LAAS-associated proteins, cataloged in Additional file 1: Table S7. The compilation included: (1) 4 CD40-modulating agents (e.g., aldesleukin and fludarabine) with

existing immunomodulatory indications; (2) 3 ITGAV-targeting therapeutics featuring the high-affinity inhibitor abciximab (interaction score=0.67); and (3) 5 LPA-associated compounds, most notably rosuvastatin showing the strongest predicted interaction (score=2.18).

Gene	Protein	Drug	Type	Chemical formula	Indication	Actions	Interaction score	Pharmacological action	Summary	References	Database
CD40	Tumor Necrosis Factor	ALDESLEUKIN	Biotech	C690H115N177	Antineopl	NA	0.15	NA	Aldesleu	Griebel P,	Dgidb
CD40	Tumor Necrosis Factor	FLUDARABINE	Small	C10H12FN5O4	Antineopl	NA	0.13	NA	Fludarab	Younes A,	Dgidb
CD40	Tumor Necrosis Factor	STREPTOZOCIN	Small	C8H15N3O7	Treats	NA	0.14	NA	Strepto	Kover KL,	Dgidb
CD40	Tumor Necrosis Factor	HYDROQUINON	Small	C6H6O2	Skin	NA	0.26	NA	Hydroqui	Miyazawa	Dgidb
ITGAV	Integrin alpha V	ANTI-	Protein	NA	Immuno	NA	0.37	NA	NA	Jabado N,	Dgidb
ITGAV	Integrin alpha V	CYTARABINE	Small	C9H13N3O5	Antineopl	NA	0.10	NA	Cytarabi	Caraglia M,	Dgidb
ITGAV	Integrin alpha V	ABCIXIMAB	monoclonal	C6462H9964N16	Anticoag	inhibito	0.67	NA	Abcixima	NA	Dgidb
ITGAV	Integrin alpha-V	Antithymocyte	Biotech	Not Available	Immunos	inducer	NA	Yes	Antithym	Monti P,	DrugBan
ITGAV	Integrin alpha-V	Levothyroxine	Small	C15H11I4NO4	Treat	binder	NA	Yes	Levothyr	Hammes	DrugBan
LPA	Apolipoprotein(a)	ASPIRIN	Small	C9H8O4	Pain,	NA	0.59	NA	Aspirin	IS Chasman	Dgidb
LPA	Apolipoprotein(a)	ROSUVASTATIN	Small	C22H28FN3O6S	Antihype	NA	2.18	NA	Rosuvast	Chasman	Dgidb
LPA	Apolipoprotein(a)	Aminocaproic acid	Small	C6H13NO2	Stop	other	NA	Unknown	Aminoca	Becker L,	DrugBan
MMP12	Macrophage	ACETAZOLAMID	Small	C4H6N4O3S2	Anticonv	NA	0.83	NA	Acetazol	Day JA,	Dgidb
MMP12	Macrophage	DEFEROXAMINE	Small	C25H48N6O8	Treats	NA	0.68	NA	Deferoxa	Day JA,	Dgidb
MMP12	Macrophage	CAPTROPIL	small molecule	C9H15NO3S	Antihype	NA	0.89	NA	Captropil	Day JA,	Dgidb
MMP12	Macrophage	ZILEUTON	Small	C11H12N2O2S	Antiinfla	NA	1.29	NA	Zileuton	Day JA,	Dgidb
MMP12	Macrophage	Acetohydroxamic	Small	C2H5NO2	Treat	inhibito	NA	Unknown	Acetohyd	Mannino	DrugBan
MMP12	Macrophage	Urokinase	Biotech	C1376H2145N38	Treat	substra	NA	Unknown	Urokinas	Andolfo A,	DrugBan

Table S7: Partial list of drugs related to the study.

4. Discussion

This proteome-wide analysis identified five plasma proteins with significant causal associations to LAAS risk, distinguishing LPA and ITGAV as risk factors and MMP12, CD40, and DKKL1 as protective factors. These findings suggest distinct pathological mechanisms: LPA (implicated in lipoprotein metabolism) and ITGAV (involved in cellular adhesion/migration) may promote LAAS progression through inflammatory or tissue-damaging pathways [14]. Conversely, MMP12 (matrix remodeling), CD40 (immune regulation), and DKKL1 (transmembrane signaling) likely exert protective effects by suppressing pathogenic cascades. Notably, the consistency between tissue-specific expression patterns and protein-level associations—as exemplified by CD40's protective effects in colon and adipose tissues—underscores the critical role of local microenvironments in LAAS pathology.

Building on these proteomic insights, methylation analyses revealed two CpG sites (cg11841529 and cg24575067) within the CD40 locus as robust causal mediators of LAAS risk, validated by HEIDI tests and colocalization (PPH4 >97%). Hypomethylation at these sites correlated with increased CD40 expression in brain tissues, suggesting that DNA methylation may suppress CD40 transcription, thereby aggravating disease risk. In contrast, methylation signals for DKKL1 and ITGAV did not meet statistical thresholds, implying potential reliance on alternative epigenetic mechanisms (e.g., histone modifications) or tissue-specific regulatory contexts. Importantly, the absence of methylation data for LPA and MMP12 highlights a critical gap in current epigenomic resources, necessitating expanded methylation profiling in vascular-relevant tissues to fully elucidate their regulatory roles [15].

To contextualize these observations, cross-tissue analyses uncovered anatomically distinct associations between gene expression and LAAS risk. For CD40, reduced expression in colon and adipose tissues (e.g., transverse colon: OR = 0.52, PPH4 = 99.4%) strongly correlated with LAAS protection, potentially mediated through its roles in maintaining intestinal barrier integrity and modulating adipose metabolism. Similarly, DKKL1 exhibited protective effects in gastrointestinal tissues (e.g., stomach: OR = 0.81, PPH4 = 94.9%), suggesting involvement in mucosal immunity or epithelial repair pathways to attenuate systemic inflammation [16]. Conversely, ITGAV's elevated expression in adipose and skeletal muscle tissues (OR = 1.64, PPH4 >96%) may enhance LAAS risk by promoting inflammatory cell infiltration or dysregulated angiogenesis [17]. These findings collectively emphasize the existence of organ-specific pathological networks, advocating for tissue-stratified therapeutic strategies.

Integrating these multi-omics layers, hierarchical classification prioritized CD40 as a Tier 1 candidate, with synergistic evidence from mQTL, eQTL, and pQTL layers solidifying its central role in LAAS pathogenesis [18, 19]. While DKKL1 and ITGAV (Tier 2) showed partial validation, suggesting context-dependent effects or interactions with unmeasured modifiers. LPA and MMP12

(Tier 3), significant only at the protein level without support from eQTL or mQTL data, underscore the limitations of single-omics approaches. To address this, future functional studies, such as CRISPR-based gene editing or organoid models, are essential to validate causality and dissect molecular mechanisms [20].

Mechanistic analysis of the database-derived drug candidates (Table S7) revealed three key therapeutic opportunities for LAAS: (1) CD40-targeting immunomodulators (e.g., aldesleukin) may enhance vascular protection through TNF receptor regulation; (2) ITGAV inhibitors like abciximab could attenuate pathological thrombosis via integrin blockade; and (3) LPA-modulating statins (e.g., rosuvastatin) may provide dual benefits by lowering lipoprotein(a) and reducing inflammation (Chasman et al., 2009; Kovanen et al., 2021) [21-25]. However, their tissue-specific effects require further validation given the observed organ-divergent target expression patterns [26, 27].

Despite these advances, the absence of methylation data for LPA and MMP12 may obscure key regulatory mechanisms, necessitating multi-cohort collaborations to expand epigenomic resources [28]. Notably, the protective role of CD40 highlights its potential as a therapeutic target or biomarker, warranting further exploration of its application in LAAS diagnostics or immunomodulatory therapies, including anti-CD40 antibody development [29].

5. Conclusion

This multi-omics study delineates a molecular regulatory network for LAAS, with CD40 emerging as a central hub through its epigenetic-transcriptional-protein cascade. Future work should integrate functional validation and longitudinal clinical cohorts to unravel the dynamic interplay of these molecular signatures during disease progression.

Ethical Approval

We used publicly accessible GWAS summary statistics. All contributing studies had been approved by relevant ethics committees and obtained participant consent.

Authors Contributions

Min Zhang carried out data analysis, result interpretation and manuscript preparation.

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Availability of Data and Materials

This study utilized publicly available datasets. Original data sources are detailed in the 'Data Sources' section. For further inquiries, please contact the corresponding author.

Conflict of Interest

The authors declare that they have no conflict of interest.

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