

TABLE OF CONTENTS

Supplementary Figures

Supplementary Fig.1: Follow-up information (a), disease-free survival (b), and incident cardiovascular diseases distribution (c) ($N=24,308$).

Supplementary Fig.2: Survival probabilities over time for cardiovascular diseases, stratified by the tertiles of polygenic risk score (PRS).

Supplementary Fig.3: Observed event rates for incident cardiovascular diseases across the percentiles of polygenic risk score (PRS, green), MetScore (purple), and ProScore (orange).

Supplementary Fig.4: Association between stratifications based on polygenic risk score (PRS), MetScore, and ProScore, with the risk of cardiovascular diseases.

Supplementary Fig.5: Differences in discriminative performance for cardiovascular diseases by adding additional omics features.

Supplementary Fig.6: Predictive performance of individual biomarkers for cardiovascular diseases.

Supplementary Fig.7: Discriminative performance for cardiovascular diseases trained on various predictor sets in different subgroups, including participants aged under 60 (a), those aged 60 and over (b), males (c), and females (d).

Supplementary Fig.8: Model (AgeSex) calibration and net benefit curves for cardiovascular diseases.

Supplementary Fig.9: Model (Clin) calibration and net benefit curves for cardiovascular diseases.

Supplementary Fig.10: SHAP beeswarm plots for the MetScore of stroke (a), HF (b), AF (c), VA (d), PAD (e), AAA (f), VTE (g), and CVDeath (h).

Supplementary Fig.11: SHAP beeswarm plots for the ProScore of stroke (a), HF (b), AF (c), VA (d), PAD (e), AAA (f), VTE (g), and CVDeath (h).

Supplementary Fig.12: The framework of MetNet (a) and ProNet (b).

Supplementary Tables

Supplementary Table 1: Baseline characteristics of the study population.

Supplementary Table 2: Definition of cardiovascular diseases.

Supplementary Table 3: List of SNPs included in the polygenic risk score for coronary artery disease.

Supplementary Table 4: List of SNPs included in the polygenic risk score for stroke.

Supplementary Table 5: List of SNPs included in the polygenic risk score for heart failure.

Supplementary Table 6: List of SNPs included in the polygenic risk score for atrial fibrillation.

Supplementary Table 7: List of SNPs included in the polygenic risk score for ventricular arrhythmias.

Supplementary Table 8: List of SNPs included in the polygenic risk score for peripheral artery disease.

Supplementary Table 9: List of SNPs included in the polygenic risk score for abdominal aortic aneurysm.

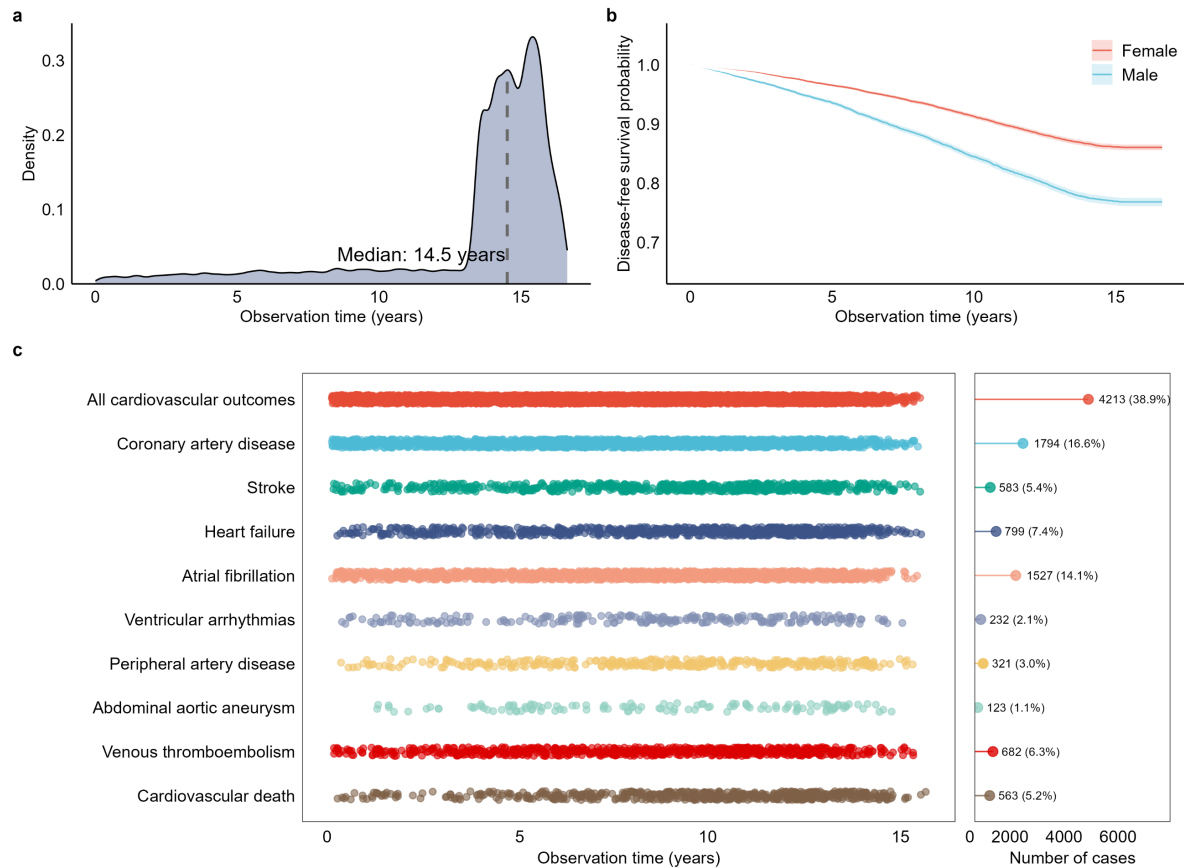
Supplementary Table 10: List of SNPs included in the polygenic risk score for venous thromboembolism.

Supplementary Table 11: Descriptive statistics of included 168 metabolites.

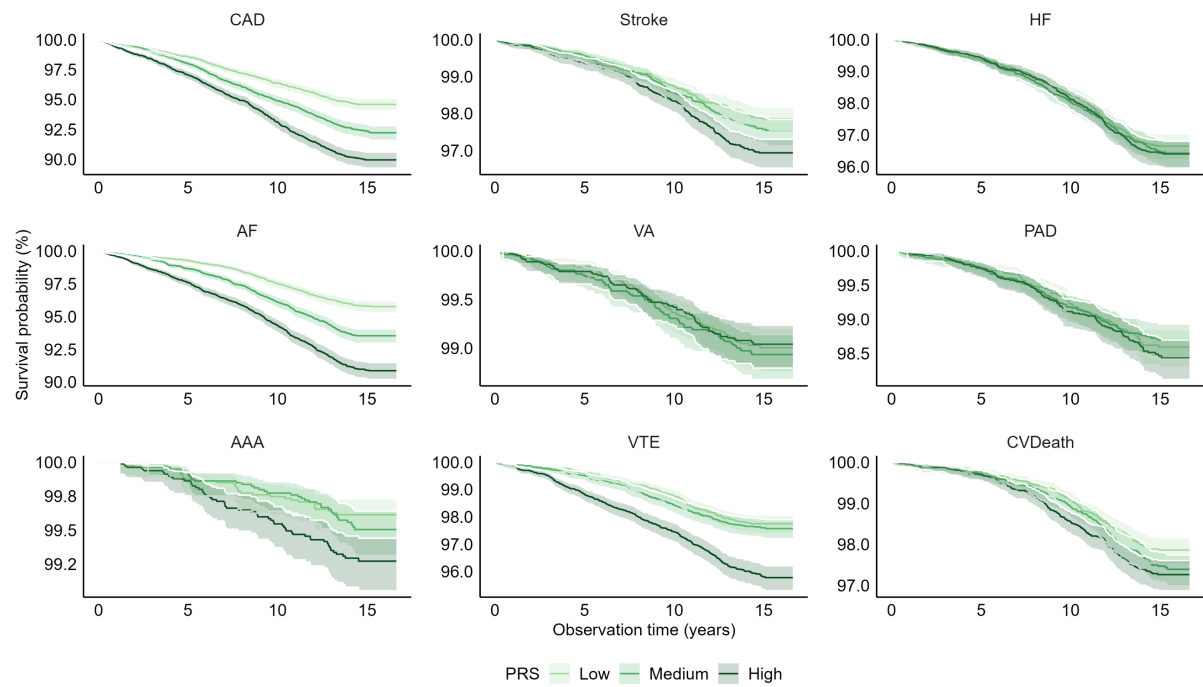
Supplementary Table 12: Descriptive statistics of included 2,920 proteins.

Supplementary Table 13: Definition of clinical predictors.

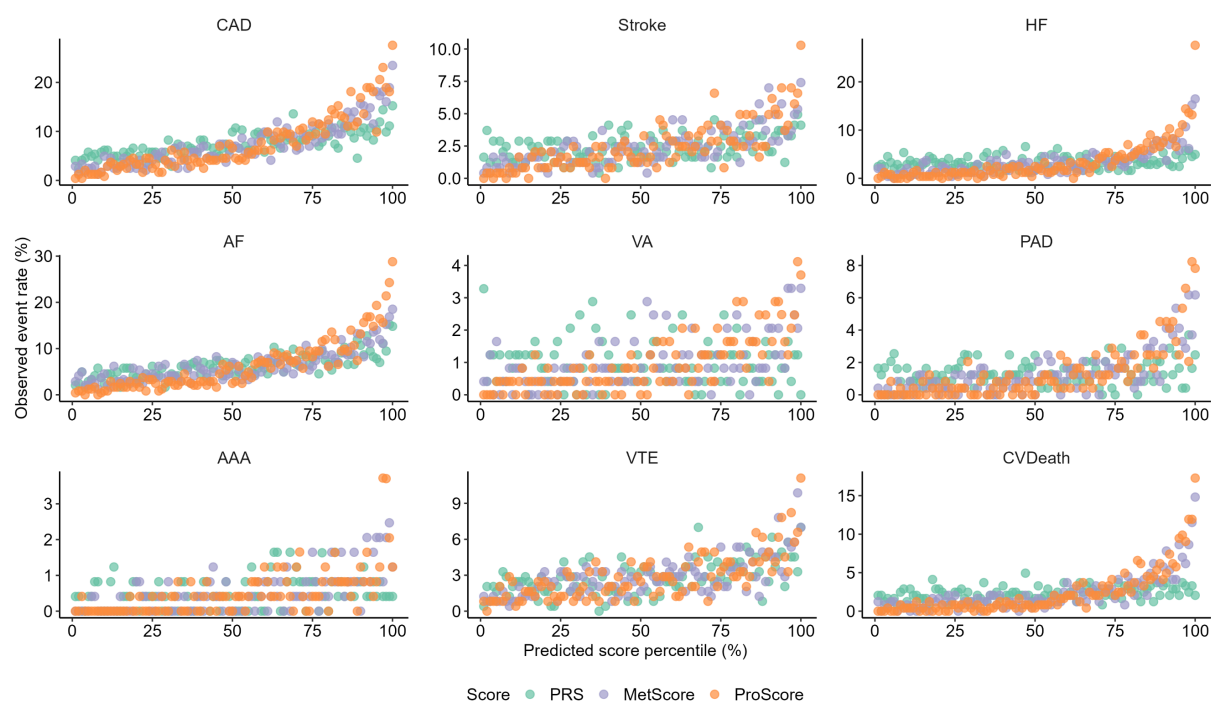
Supplementary Table 14: Hyperparameter search space.



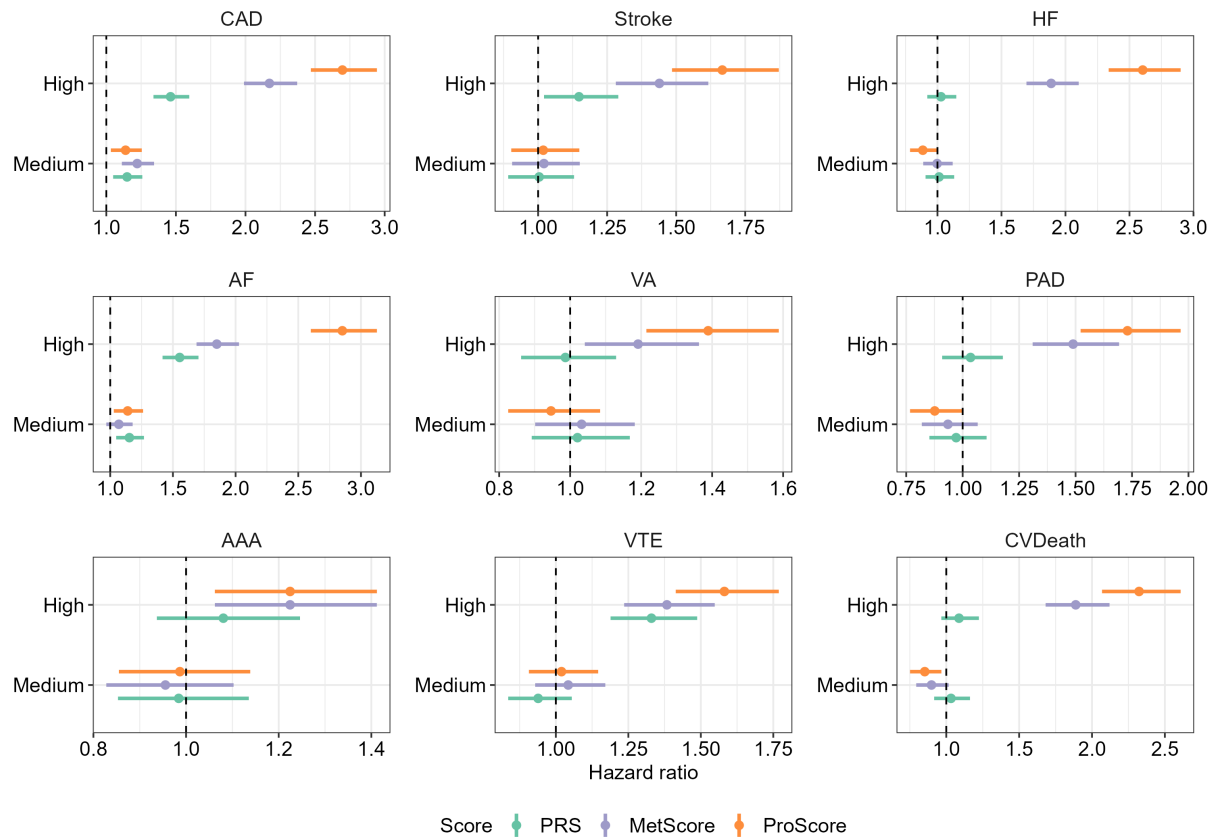
Supplementary Fig.1: Follow-up information (**a**), disease-free survival (**b**), and incident cardiovascular diseases distribution (**c**) ($N=24,308$). **a.** Follow-up duration varied by cardiovascular diseases. Here, we defined the follow-up duration as the period from the date of baseline assessment to the date of incident any cardiovascular diseases, death, loss to follow-up, or end of available registry follow-up (November 30 2023 for England & Wales and December 31 2023 for Scotland), whichever came first. **b.** Kaplan-Meier curves for cardiovascular diseases-free survival stratified by sex. **c.** Occurrence of cardiovascular diseases during follow-up. Each line indicates a cardiovascular outcome. The lollipop plot shows the total number of cases and incidence rate for each disease.



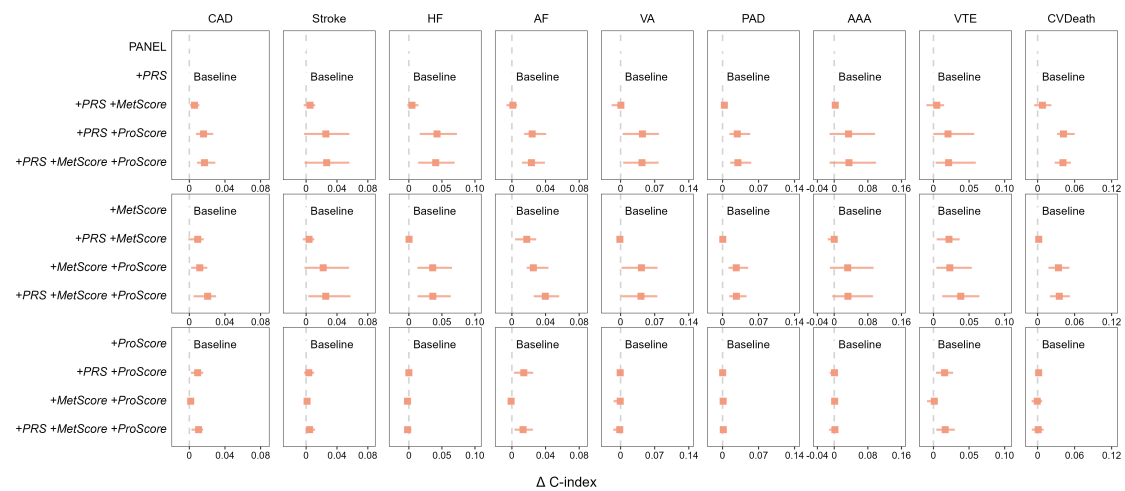
Supplementary Fig.2: Survival probabilities over time for cardiovascular diseases, stratified by the tertiles of polygenic risk score (PRS). Data are presented as the survival probabilities, estimated using the Kaplan-Meier method, with 95% exponential Greenwood confidence intervals. CAD = Coronary artery disease, HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



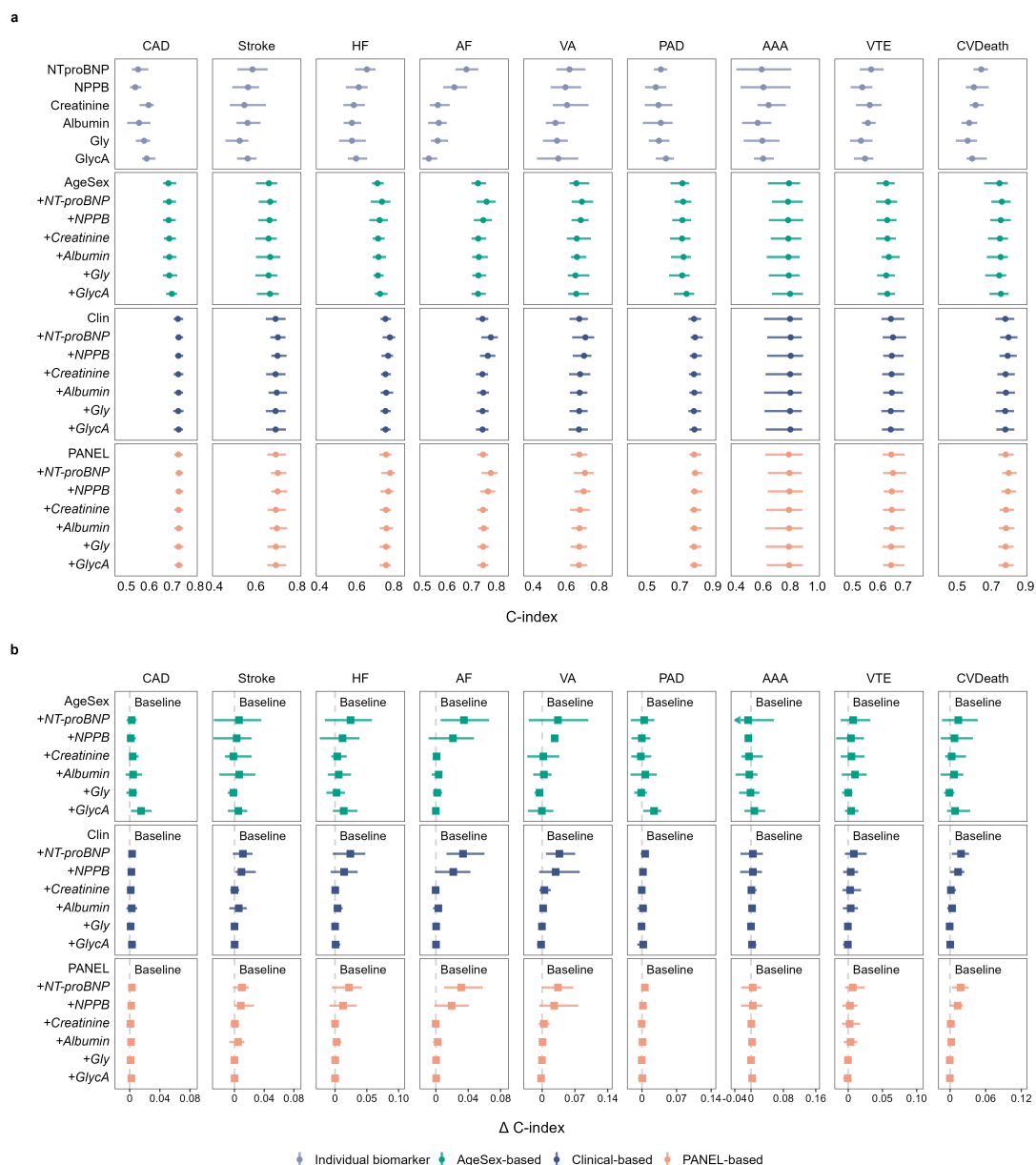
Supplementary Fig.3: Observed event rates for incident cardiovascular diseases across the percentiles of polygenic risk score (PRS, green), MetScore (purple), and ProScore (orange). CAD = Coronary artery disease, HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



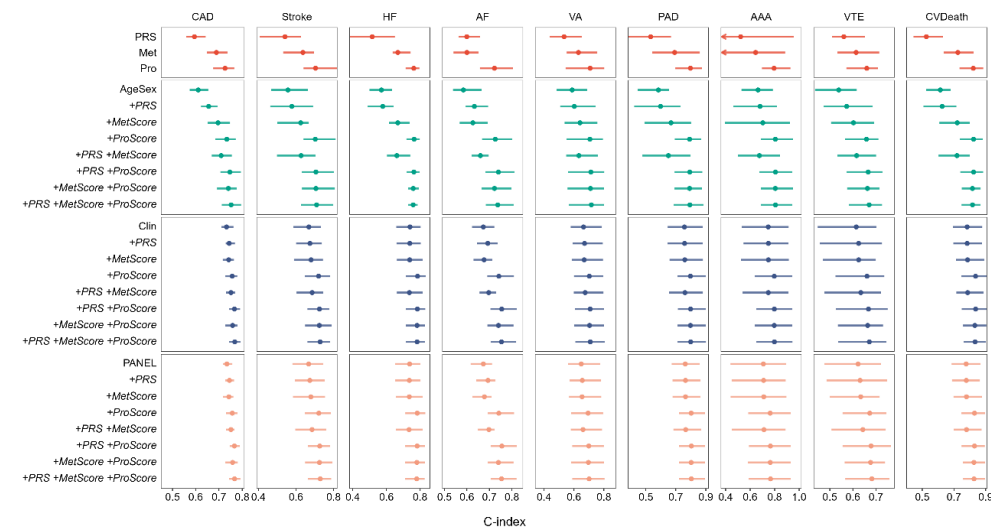
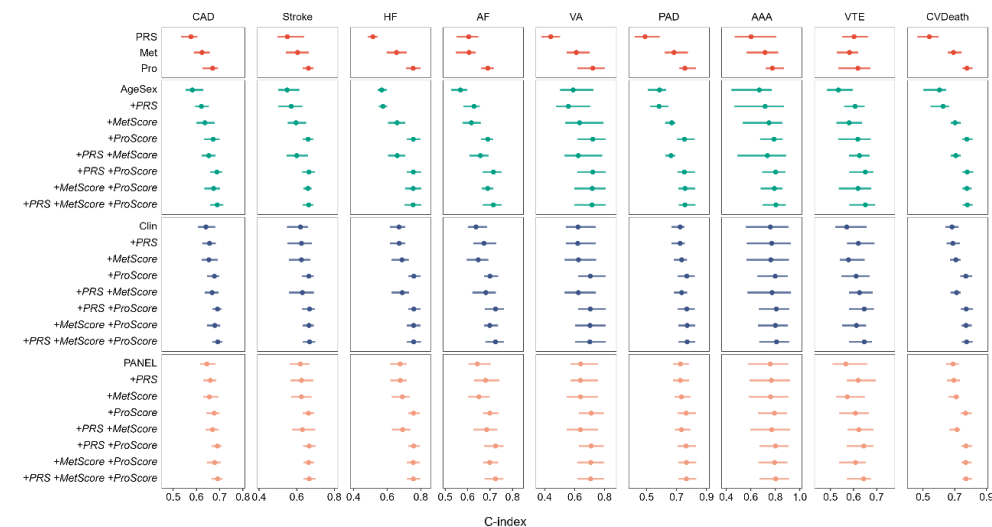
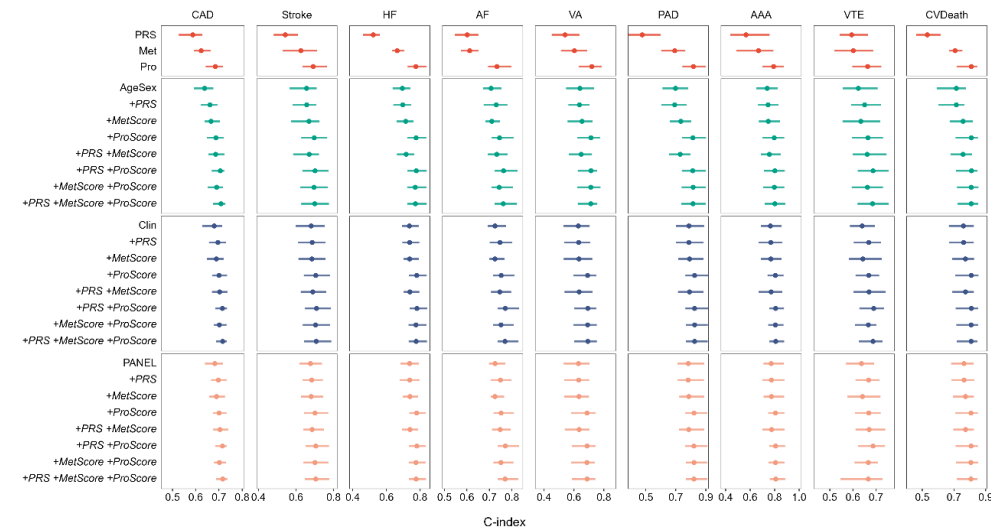
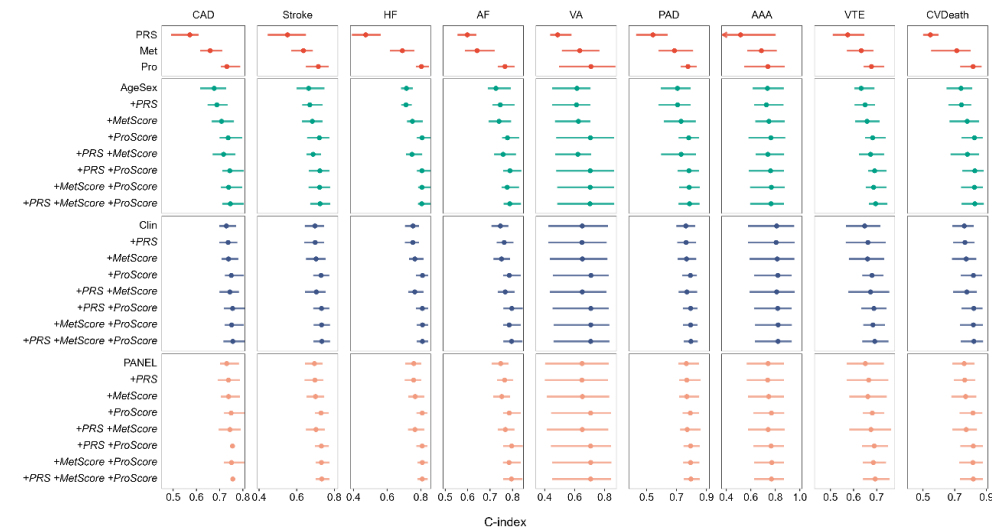
Supplementary Fig.4: Association between stratifications based on polygenic risk score (PRS), MetScore, and ProScore, with the risk of cardiovascular diseases. Data are presented as hazard ratios estimated by cox proportional hazard models with 95% confidence intervals. Participants were divided into tertile groups (low, medium, and high) based on PRS, MetScore, and ProScore, with the low group serving as the reference group. CAD = Coronary artery disease, HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



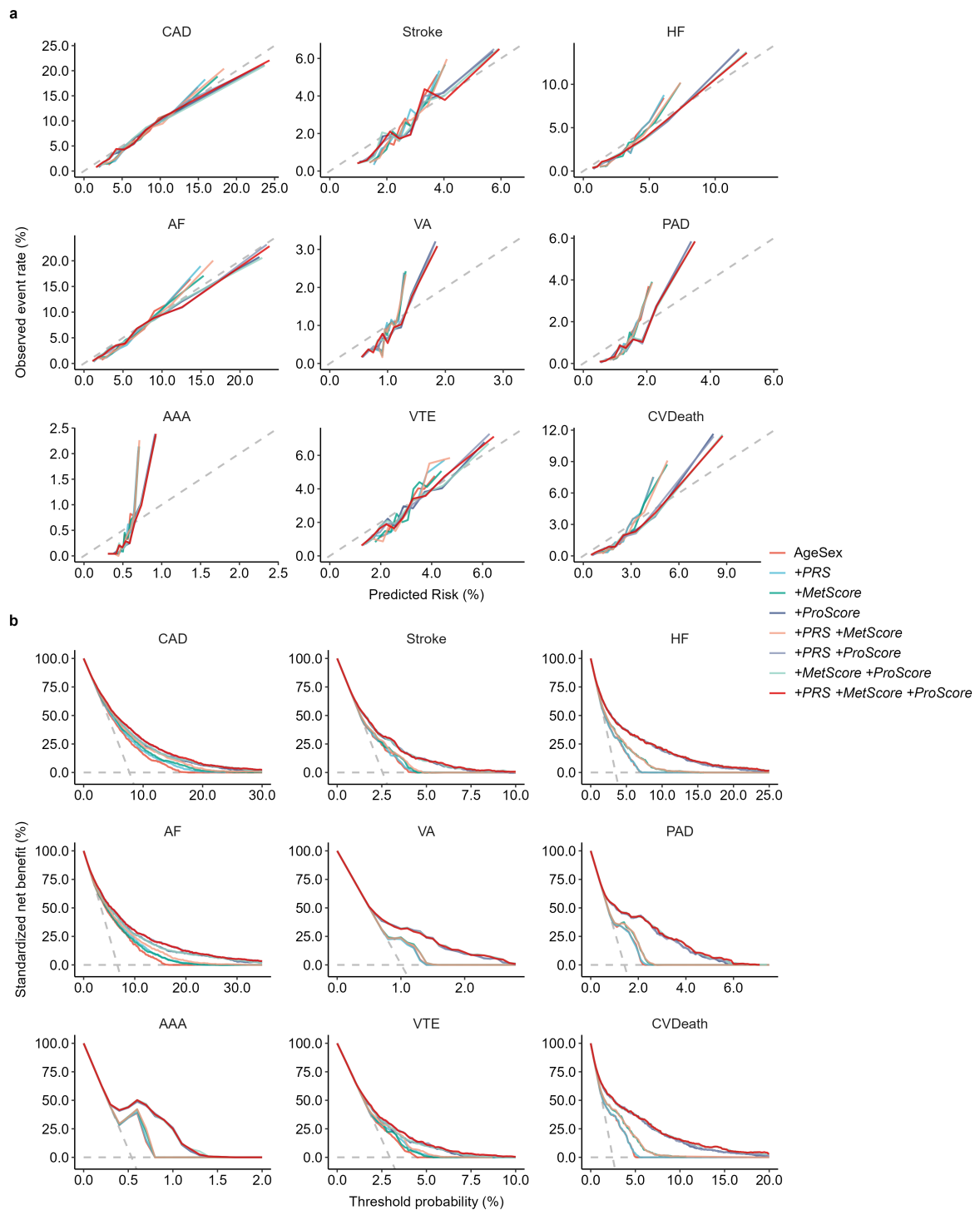
Supplementary Fig.5: Differences in discriminative performance for cardiovascular diseases by adding additional omics features. Data are presented as the means with 95% confidence intervals derived from 10-fold cross-validation. CAD = Coronary artery disease, HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



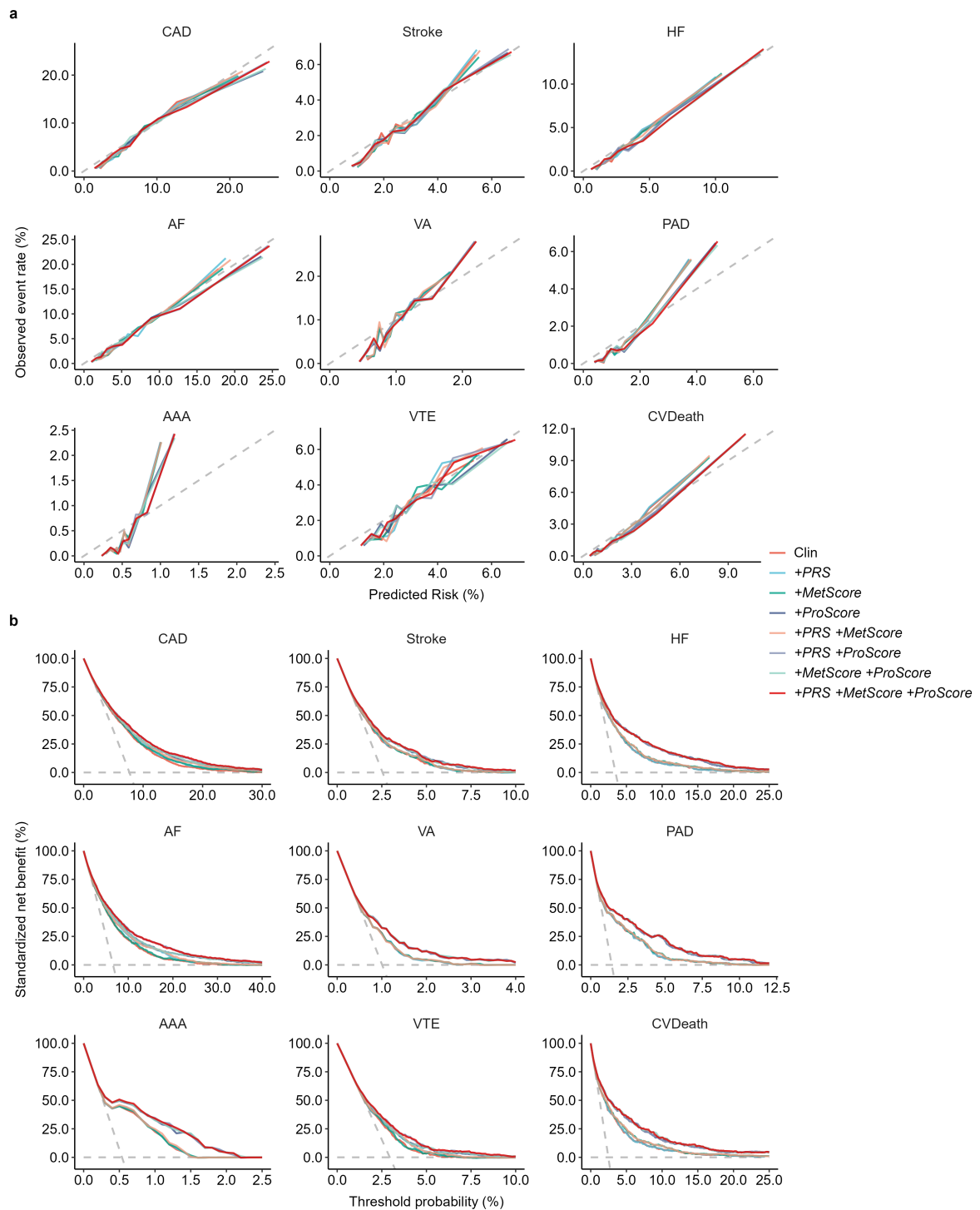
Supplementary Fig.6: Predictive performance of individual biomarkers for cardiovascular diseases. **a.** Discriminative performance trained on various predictor sets. **b.** Differences in discriminative performance by adding individual biomarkers onto clinical predictor sets. Data are presented as the means with 95% confidence intervals derived from 10-fold cross-validation. CAD = Coronary artery disease, HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.

a Aged less than 60**b** Aged 60 and over**c** Male**d** Female

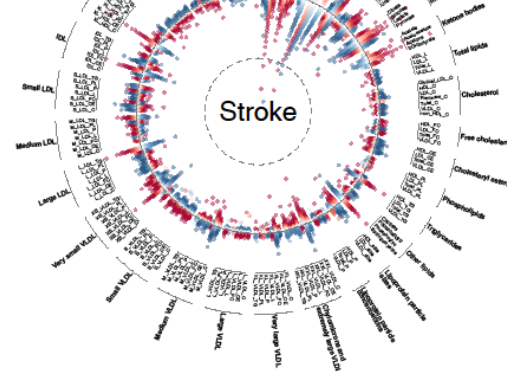
Supplementary Fig.7: Discriminative performance for cardiovascular diseases trained on various predictor sets in different subgroups, including participants aged under 60 (**a**), those aged 60 and over (**b**), males (**c**), and females (**d**). Data are presented as the means with 95% confidence intervals derived from 10-fold cross-validation. CAD = Coronary artery disease, HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



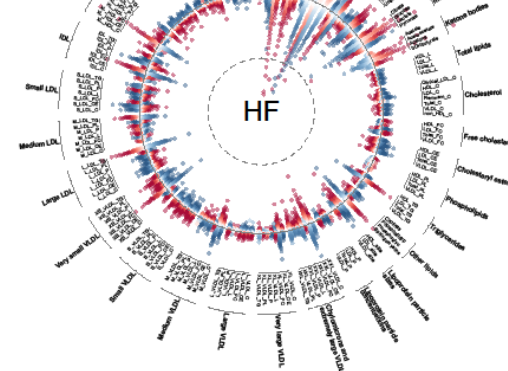
Supplementary Fig.8: Model (AgeSex) calibration and net benefit curves for cardiovascular diseases. **a.** Calibration curves for Cox proportional hazards models based on the clinical predictor set (AgeSex) and its combination with multiomics information. **b.** Net benefit curves for Cox proportional hazards models based on the clinical predictor set (AgeSex) and its combination with multiomics information. Horizontal solid gray lines indicate “treat none” and vertical solid gray lines indicate “treat all”. CAD = Coronary artery disease, HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



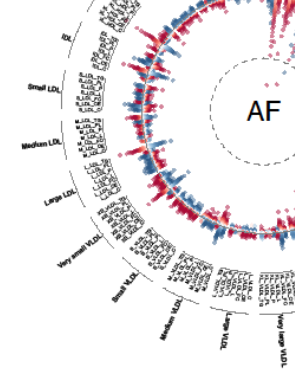
Supplementary Fig.9: Model (Clin) calibration and net benefit curves for cardiovascular diseases. **a.** Calibration curves for Cox proportional hazards models based on the clinical predictor set (Clin) and its combination with multiomics information. **b.** Net benefit curves for Cox proportional hazards models based on the clinical predictor set (Clin) and its combination with multiomics information. Horizontal solid gray lines indicate “treat none” and vertical solid gray lines indicate “treat all”. CAD = Coronary artery disease, HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



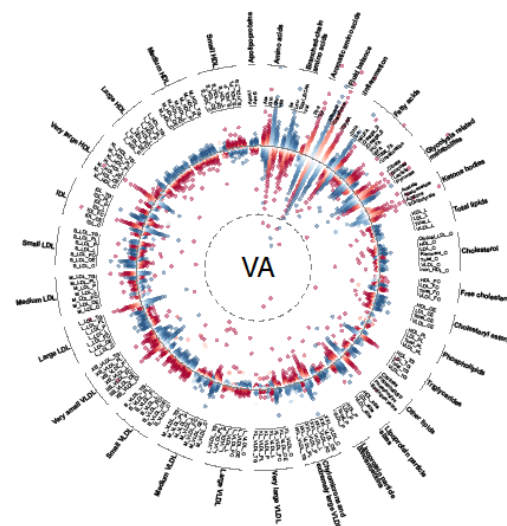
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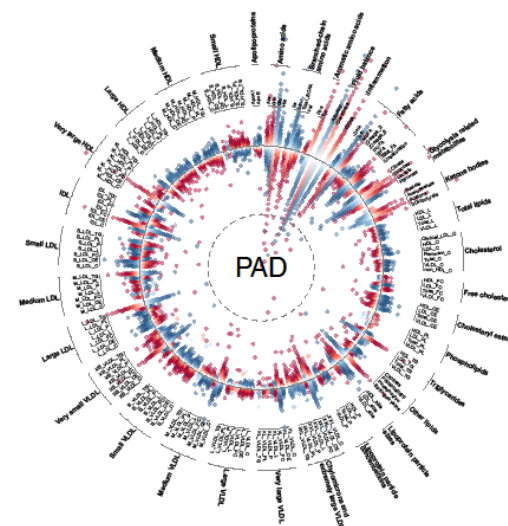
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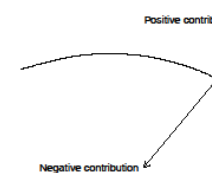
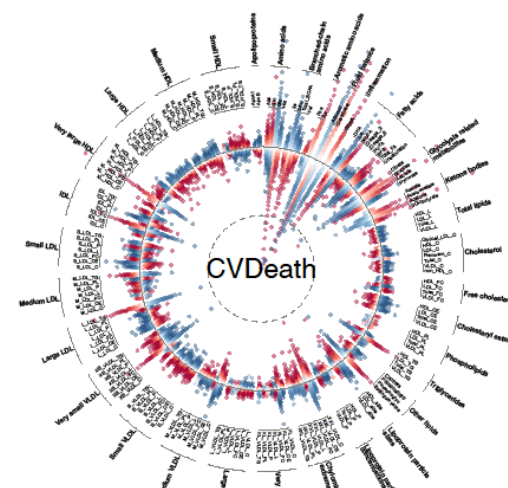
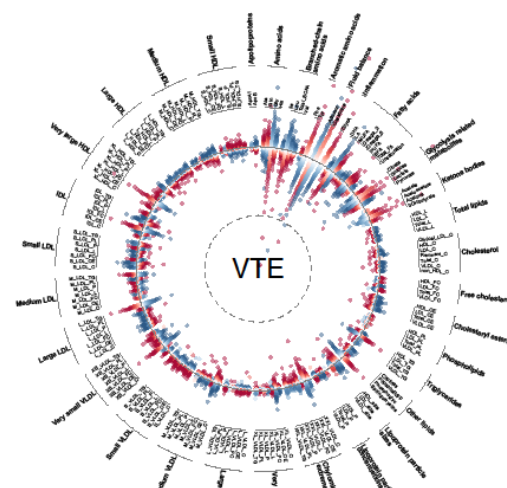
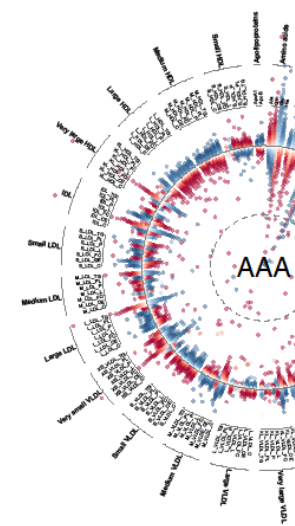
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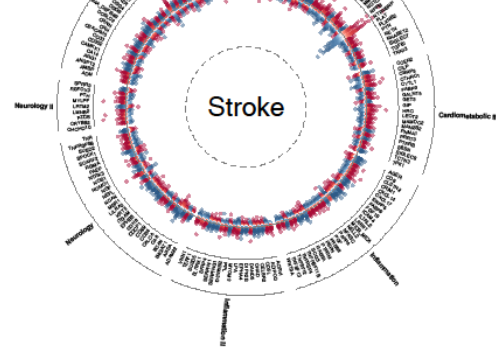
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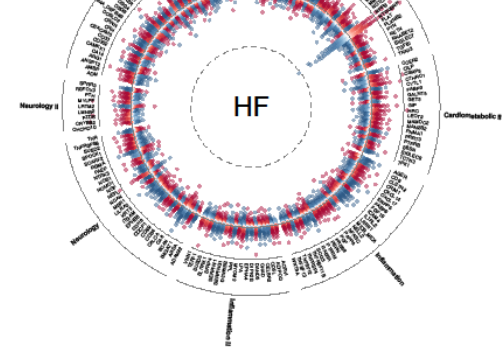
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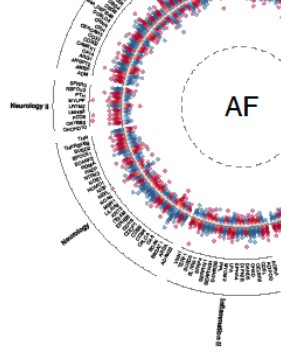
Supplementary Fig.10: SHAP beeswarm plots for the MetScore of stroke (**a**), HF (**b**), AF (**c**), VA (**d**), PAD (**e**), AAA (**f**), VTE (**g**), and CVDeath (**h**). Each individual is assigned a SHAP value for every metabolite. To simplify the presentation, SHAP values for each biomarker were divided into percentiles, and the mean SHAP value and biomarker level were calculated for each percentile. Each dot represents one percentile. All 168 metabolites are shown. Dark grey lines indicate zero SHAP value (i.e., no contribution). The farther a dot from this line, the stronger the absolute contribution to the MetScore. Deviations toward the center and periphery represent negative and positive contributions. Red and blue colors indicate high and low levels of metabolites, respectively. HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



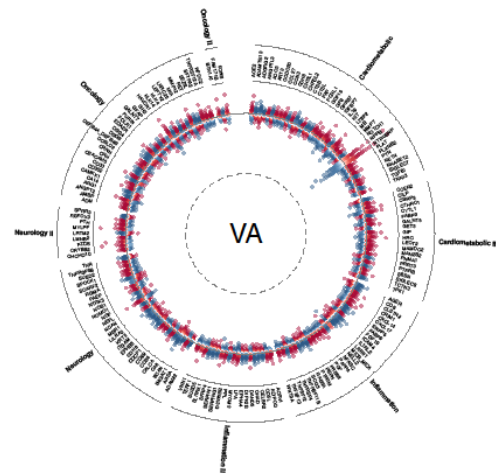
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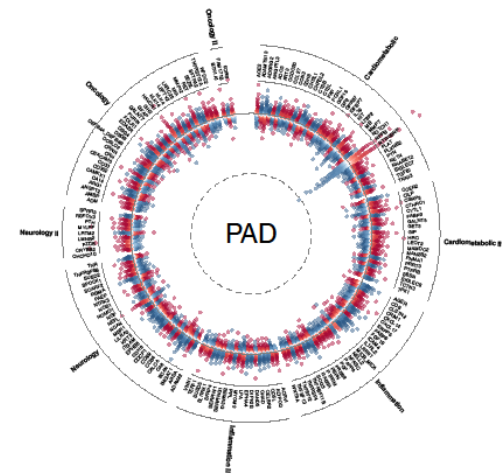
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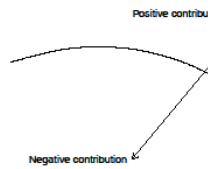
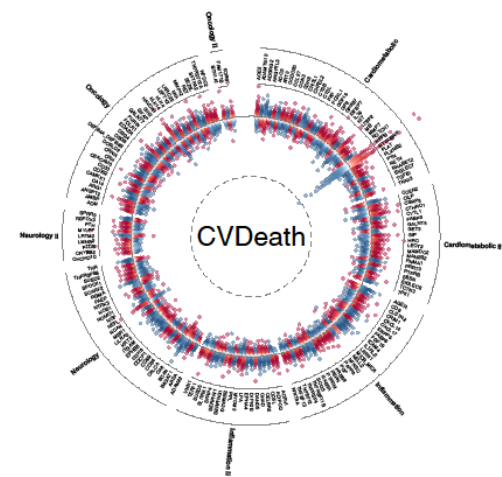
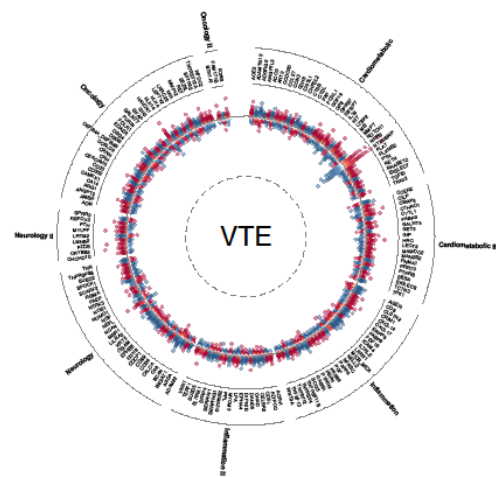
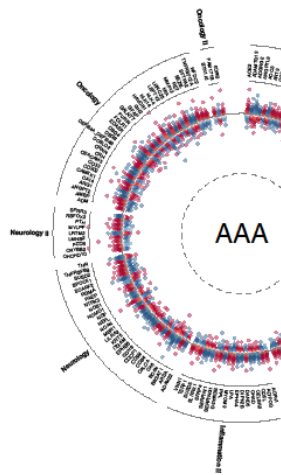
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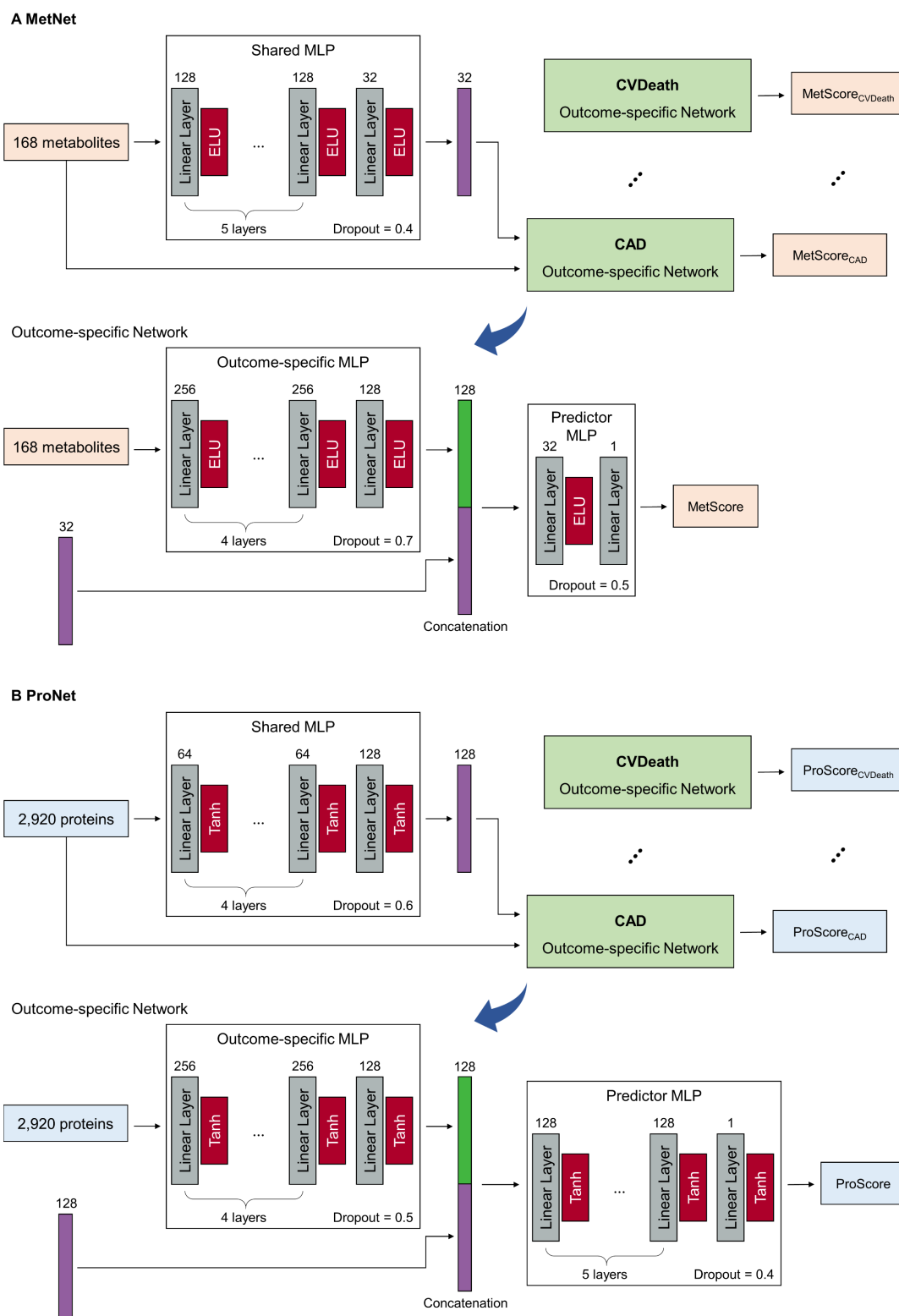
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h



Supplementary Fig.11: SHAP beeswarm plots for the ProScore of stroke (**a**), HF (**b**), AF (**c**), VA (**d**), PAD (**e**), AAA (**f**), VTE (**g**), and CVDeath (**h**). Each individual is assigned a SHAP value for every protein. To simplify the presentation, SHAP values for each biomarker were divided into percentiles, and the mean SHAP value and biomarker level were calculated for each percentile. Each dot represents one percentile. The top-ranked 175 proteins are shown. Dark grey lines indicate zero SHAP value (i.e., no contribution). The farther a dot from this line, the stronger the absolute contribution to the ProScore. Deviations toward the center and periphery represent negative and positive contributions. Red and blue colors indicate high and low levels of proteins, respectively. HF = Heart failure, AF = Atrial fibrillation, VA = Ventricular arrhythmias, PAD = Peripheral artery disease, AAA = Abdominal aortic aneurysm, VTE = Venous thromboembolism, CVDeath = Cardiovascular death.



Supplementary Fig.12: The framework of MetNet (a) and ProNet (b). Optimal hyperparameters for MetNet were a learning rate of 0.0027, weight decay of 2.56×10^{-6} , and 50 epochs; for ProNet, these were 0.0066, 2.82×10^{-4} , and 25 epochs. Detailed model architecture is described in (Methods Section “Development of deep learning models”). MLP = Multilayer perceptron, CAD = Coronary artery disease, CVDeath = Cardiovascular death.

Supplementary Table 1: Baseline characteristics of the study population.

Characteristics ¹	All participants (N=24,308)	Missing rate (%)
Demographic information		
Age (years)	58.0 (50.0, 63.0)	0
Male	10,677 (43.9%)	0
Ethnicity		0.1
White	22,755 (93.7%)	
Black	521 (2.1%)	
Asian	422 (1.7%)	
Others	583 (2.4%)	
Townsend deprivation index	-2.1 (-3.7, 0.5)	0.1
Healthy lifestyles		
Current smoking	2,467 (10.2%)	0.4
Daily alcohol intake	4,883 (20.1%)	0.1
Healthy sleep	17,801 (73.3%)	0.1
Physical activity	15,267 (81.3%)	22.8
Healthy diet	13,787 (56.8%)	0.1
Social connection	22,142 (91.2%)	0.1
Family disease history		
Family history of heart disease	10,187 (41.9%)	0
Family history of stroke	6,366 (26.2%)	0
Family history of hypertension	11,559 (47.6%)	0
Family history of diabetes	5,240 (21.6%)	0
Disease and medication history		
Lipid-lowering medication	4,389 (18.1%)	0
Antihypertensive medication	2,719 (11.2%)	0
Hypertension	6,447 (26.5%)	0
Diabetes	1,161 (4.8%)	0
Physical measurements		
Systolic blood pressure (mmHg)	136.5 (124.5, 149.5)	0.2
Diastolic blood pressure (mmHg)	82.0 (75.5, 89.0)	0.2
Height (cm)	167.8 (161.0, 175.0)	0.3
Weight (kg)	75.7 (66.0, 86.4)	0.3
Waist circumference (cm)	89.0 (80.0, 98.0)	0.2
Waist-hip ratio	0.9 (0.8, 0.9)	0.2
Body mass index (kg/m ²)	26.6 (24.1, 29.6)	0.4
Blood count		
Leukocyte count (10 ⁹ cells/Litre)	6.6 (5.6, 7.8)	2.6
Lymphocyte count (10 ⁹ cells/Litre)	1.9 (1.5, 2.3)	2.7
Monocyte count (10 ⁹ cells/Litre)	0.5 (0.4, 0.6)	2.7
Neutrophil count (10 ⁹ cells/Litre)	4.0 (3.2, 4.9)	2.7
Eosinophil count (10 ⁹ cells/Litre)	0.1 (0.1, 0.2)	2.7
Basophil count (10 ⁹ cells/Litre)	0.0 (0.0, 0.0)	2.7
Platelet count (10 ⁹ cells/Litre)	249.3 (214.8, 288.7)	2.6
Haemoglobin concentration (grams/decilitre)	14.1 (13.3, 15.0)	2.6
Haematocrit percentage (%)	40.9 (38.6, 43.4)	2.6

¹Data are presented as Median (interquartile range) or Frequency (%).

Supplementary Table 2: Definition of cardiovascular diseases.

Outcomes	UKB Field ID	Field names
Coronary artery disease ¹	6150	Vascular/heart problems diagnosed by doctor
	20002	Non-cancer illness code, self-reported
	20004	Operation code, self-reported
	41270	Diagnoses - ICD10
	40001	Underlying (primary) cause of death: ICD10
	40002	Contributory (secondary) cause of death: ICD10
	41271	Diagnoses - ICD9
	41272	Operative procedures - OPCS
Stroke ^{2,3}	6150	Vascular/heart problems diagnosed by doctor
	20002	Non-cancer illness code, self-reported
	41270	Diagnoses - ICD10
	40001	Underlying (primary) cause of death: ICD10
	40002	Contributory (secondary) cause of death: ICD10
	41271	Diagnoses - ICD9
Heart failure ⁴	20002	Non-cancer illness code, self-reported
	41270	Diagnoses - main ICD10

	40001	Diagnoses – secondary ICD10
	40002	Underlying (primary) cause of death: ICD10
		Contributory (secondary) cause of death: ICD10
	41271	Diagnoses - ICD9
Atrial fibrillation ⁴	20002	Non-cancer illness code, self-reported
	20004	Operation code, self-reported
	41270	Diagnoses - ICD10
	40001	Underlying (primary) cause of death: ICD10
	40002	Contributory (secondary) cause of death: ICD10
	41271	Diagnoses - ICD9
	41272	Operative procedures - OPCS
Ventricular arrhythmias ⁵	41270	Diagnoses - ICD10
	40001	Underlying (primary) cause of death: ICD10
	40002	Contributory (secondary) cause of death: ICD10
	41272	Operative procedures - OPCS
Peripheral artery disease ⁶	20002	Non-cancer illness code, self-reported
	20004	Operation code, self-reported
	41270	Diagnoses - ICD10
	40001	Underlying (primary) cause of death: ICD10
	40002	Contributory (secondary) cause of death: ICD10
	41271	Diagnoses - ICD9
	41272	Operative procedures - OPCS
Abdominal aortic aneurysm ^{7,8}	41270	Diagnoses - ICD10
	40001	Underlying (primary) cause of death: ICD10
	40002	Contributory (secondary) cause of death: ICD10
	41271	Diagnoses - ICD9
	41272	Operative procedures - OPCS
Venous thromboembolism ^{9,10}	6152	Blood clot, DVT, bronchitis, emphysema, asthma, r
	20002	Non-cancer illness code, self-reported
	41270	Diagnoses - ICD10
	40001	Underlying (primary) cause of death: ICD10

	40002	Contributory (secondary) cause of death: ICD10
	41271	Diagnoses - ICD9
	41272	Operative procedures - OPCS
Cardiovascular death ¹¹	41270	Diagnoses - ICD10
	40001	Underlying (primary) cause of death: ICD10
	40002	Contributory (secondary) cause of death: ICD10
Diabetes	2443	Diabetes diagnosed by doctor
	2986	Insulin use within one year
	6153	Medication for cholesterol, blood pressure, diabetes
	6177	Medication for cholesterol, blood pressure or diabetes
	20002	Non-cancer illness code, self-reported
	41270	Diagnoses - ICD10
	41271	Diagnoses - ICD9
Hypertension	6150	Vascular/heart problems diagnosed by doctor
	20002	Non-cancer illness code, self-reported
	41270	Diagnoses - ICD10
	41271	Diagnoses - ICD9

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Data codes
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1066, 1075
1070, 1095, 1523
I21, I210, I211, I212, I213, I214, I219, I21X, I22, I220, I221, I228, I229, I23, I230, I231, I232, I233, I234, I235, I236, I238, I24, I240, I241, I248, I249, I25, I250, I251, I252, I253, I254, I255, I256, I258, I259
410, 4109, 412, 4129, 414, 4140, 4141, 4148, 4149
K40, K401, K402, K403, K404, K408, K409, K41, K411, K412, K413, K414, K418, K419, K42, K421, K422, K423, K424, K428, K429, K43, K431, K432, K433, K434, K438, K439, K44, K441, K442, K448, K449, K45, K451, K452, K453, K454, K455, K456, K458, K459, K46, K461, K462, K463, K464, K465, K468, K469, K49, K491, K492, K493, K494, K498, K499, K50, K501, K502, K503, K504, K508, K509, K75, K751, K752, K753, K754, K758, K759
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4254, 428, 4280, 4281, 4289

1471, 1483

1524

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4273

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I713, I714

4413, 4414

L18, L181, L182, L183, L184, L185,
L186, L188, L189, L19, L191, L192,
L193, L194, L195, L196, L198, L199,
L254, L27, L271, L272, L273, L274,
L275, L276, L278, L279, L28, L281,
L282, L283, L284, L285, L286, L288,
L289, L464

5, 7

1068, 1093, 1094

I26, I260, I269, I80, I800, I801, I802,
I803, I808, I809, I81, I820, I822, I823,
I828, I829

4151, 451, 4510, 4511, 4512, 4518, 4519, 4532, 4538
L791, L902
I00-I99
1
1
3
3
1220, 1221, 1222, 1223
E10, E100, E101, E102, E103, E104, E105, E106, E107, E108, E109, E11, E110, E111, E112, E113, E114, E115, E116, E117, E118, E119, E12, E120, E121, E122, E123, E124, E125, E126, E127, E128, E129, E13, E130, E131, E132, E133, E134, E135, E136, E137, E138, E139, E14, E140, E141, E142, E143, E144, E145, E146, E147, E148, E149
250, 2500, 25000, 25001, 25009, 2501, 25010, 25011, 25019, 2502, 25020, 25021, 25029, 2503, 2504, 2505, 2506, 2507, 2509, 25090, 25091, 25099
4
1065, 1072
I10, I11, I110, I119, I12, I120, I129, I13, I130, I131, I132, I139, I15, I150, I151, I152, I158, I159
401, 4010, 4011, 4019, 402, 4020, 4021, 4029, 403, 4030, 4031, 4039, 404, 4040, 4041, 4049, 405, 4050, 4051, 4059

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Supplementary Table 3: List of SNPs included in the polygenic risk score for coronary artery dis

RSID	Chromosome	Effect allele	Beta
rs11206803	1	T	0.037
rs11585169	1	A	0.039
rs11591147	1	G	0.251
rs1230666	1	A	0.052
rs12740374	1	G	0.096
rs17163363	1	T	0.069
rs2493298	1	A	0.049
rs2843152	1	C	0.042
rs34232196	1	C	0.053
rs472495	1	T	0.038
rs56170783	1	A	0.115
rs60154123	1	T	0.039
rs61776719	1	A	0.036
rs61797068	1	G	0.04
rs61806987	1	A	0.035
rs6686750	1	A	0.039
rs67807996	1	A	0.04
rs71646019	1	T	0.038
rs7413494	1	G	0.035
rs79598313	1	T	0.095
rs10176176	2	T	0.057
rs10928241	2	T	0.041
rs10930115	2	A	0.04
rs114192718	2	T	0.054
rs1250247	2	C	0.048
rs148812085	2	T	0.114
rs16986953	2	A	0.082
rs2161967	2	T	0.033
rs243071	2	A	0.029
rs283485	2	A	0.034
rs35611688	2	C	0.03
rs4140748	2	A	0.031
rs4245791	2	C	0.049
rs4662330	2	T	0.046
rs515135	2	C	0.058
rs582384	2	A	0.028
rs6740731	2	A	0.043
rs76866386	2	T	0.079
rs952227	2	G	0.037
rs17843797	3	G	0.059
rs185244	3	T	0.06
rs34330586	3	A	0.047
rs34759087	3	C	0.053
rs34991912	3	T	0.034
rs357494	3	A	0.057
rs4266144	3	G	0.031
rs77347777	3	C	0.051
rs10857147	4	T	0.041

rs12500824	4	A	0.03
rs13120678	4	A	0.046
rs13124853	4	A	0.029
rs17083333	4	G	0.03
rs3796587	4	C	0.064
rs6841581	4	A	0.078
rs7440763	4	G	0.06
rs7678555	4	C	0.045
rs781663	4	G	0.043
rs869396	4	C	0.034
rs10477741	5	G	0.048
rs112949822	5	G	0.055
rs12916	5	C	0.028
rs13169691	5	T	0.04
rs17263917	5	G	0.056
rs249760	5	T	0.032
rs3776307	5	G	0.036
rs3936510	5	T	0.046
rs4074793	5	G	0.053
rs4345341	5	A	0.038
rs62362364	5	G	0.038
rs6883598	5	C	0.034
rs1034246	6	G	0.035
rs10455872	6	G	0.304
rs11752218	6	T	0.075
rs17080093	6	C	0.051
rs186696265	6	T	0.517
rs1998043	6	G	0.062
rs2327426	6	T	0.061
rs2492304	6	A	0.035
rs2983896	6	G	0.036
rs35510806	6	T	0.033
rs6905288	6	A	0.037
rs6909752	6	A	0.035
rs6919211	6	G	0.036
rs6932293	6	C	0.262
rs72836800	6	T	0.051
rs733701	6	T	0.043
rs73596816	6	A	0.106
rs9266631	6	G	0.043
rs9349379	6	G	0.114
rs9361867	6	C	0.036
rs9469899	6	A	0.035
rs10486389	7	G	0.035
rs10951983	7	A	0.04
rs11556924	7	C	0.05
rs12112877	7	C	0.035
rs13222797	7	G	0.031
rs2107595	7	A	0.065
rs2107732	7	G	0.05

rs2215614	7	A	0.034
rs3918226	7	T	0.112
rs62435159	7	G	0.038
rs756142636	7	TCCCTGCTCTC	0.036
rs1510758	8	A	0.032
rs2001846	8	T	0.047
rs268	8	G	0.132
rs34917849	8	C	0.042
rs4646249	8	T	0.035
rs56408342	8	A	0.079
rs66778572	8	G	0.039
rs894211	8	C	0.046
rs10811183	9	A	0.037
rs10961206	9	A	0.052
rs11523031	9	A	0.045
rs1967604	9	A	0.045
rs2891168	9	G	0.174
rs6475608	9	C	0.09
rs651007	9	T	0.054
rs76959412	9	G	0.127
rs885150	9	C	0.037
rs1051338	10	G	0.059
rs17566555	10	G	0.032
rs17680741	10	T	0.034
rs1870634	10	G	0.052
rs2067831	10	C	0.042
rs2457480	10	A	0.104
rs2672592	10	G	0.032
rs494207	10	G	0.076
rs55753709	10	C	0.038
rs77787671	10	C	0.069
rs884811	10	C	0.029
rs9337951	10	A	0.054
rs10488763	11	T	0.041
rs10790800	11	A	0.03
rs11601507	11	A	0.062
rs1177562	11	T	0.033
rs1892971	11	G	0.039
rs2306363	11	G	0.041
rs2839812	11	T	0.065
rs360153	11	C	0.038
rs4537761	11	C	0.056
rs4938809	11	C	0.03
rs584961	11	G	0.062
rs633185	11	C	0.039
rs7118294	11	C	0.033
rs964184	11	G	0.058
rs10774625	12	A	0.057
rs10841443	12	G	0.04
rs11107903	12	G	0.083

rs2244608	12	G	0.049
rs2681472	12	G	0.055
rs34606058	12	C	0.029
rs7133378	12	G	0.031
rs7296737	12	C	0.036
rs7485656	12	G	0.067
rs75160195	12	T	0.094
rs11617955	13	T	0.078
rs11619113	13	G	0.067
rs17086617	13	C	0.04
rs3783113	13	T	0.04
rs4773141	13	G	0.047
rs4907571	13	C	0.036
rs7333991	13	C	0.051
rs7991314	13	T	0.029
rs8000794	13	C	0.027
rs9515203	13	T	0.063
rs10131894	14	G	0.036
rs112635299	14	G	0.139
rs36033161	14	T	0.068
rs112238647	15	C	0.069
rs17581137	15	A	0.033
rs1807214	15	A	0.064
rs2683260	15	T	0.041
rs56062135	15	C	0.058
rs588136	15	C	0.037
rs7173743	15	T	0.069
rs7177201	15	T	0.075
rs7183988	15	T	0.06
rs10493891	16	C	0.032
rs12445401	16	G	0.036
rs12446515	16	C	0.037
rs12691049	16	C	0.03
rs7189462	16	T	0.029
rs7500448	16	A	0.05
rs8046696	16	G	0.047
rs11079536	17	T	0.035
rs11080107	17	C	0.034
rs11655024	17	T	0.045
rs12936927	17	C	0.035
rs12952244	17	G	0.053
rs17608766	17	C	0.044
rs2410859	17	T	0.031
rs2909217	17	T	0.036
rs4643373	17	T	0.038
rs4790881	17	A	0.048
rs5820757	17	GA	0.047
rs8068844	17	C	0.032
rs11663411	18	C	0.03
rs12965923	18	A	0.039

rs476828	18	C	0.033
rs9945890	18	T	0.035
rs9951447	18	C	0.032
rs10410487	19	C	0.04
rs10422256	19	A	0.032
rs11466359	19	G	0.055
rs116843064	19	G	0.177
rs167479	19	G	0.035
rs1800469	19	A	0.042
rs183657985	19	T	0.04
rs429358	19	C	0.091
rs55997232	19	C	0.115
rs7246865	19	A	0.033
rs72658867	19	G	0.197
rs7412	19	C	0.154
rs768453105	19	G	0.068
rs78030362	19	G	0.093
rs8108474	19	T	0.035
rs1132274	20	A	0.037
rs17406518	20	A	0.047
rs2008614	20	T	0.043
rs2207132	20	A	0.092
rs6026739	20	T	0.048
rs6088595	20	A	0.033
rs6102343	20	A	0.034
rs8124182	20	A	0.047
rs149487184	21	T	0.097
rs28451064	21	A	0.109
rs12484557	22	A	0.06
rs139012	22	G	0.032
rs5760309	22	G	0.103
rs6006426	22	A	0.034
rs71313931	22	G	0.032

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Supplementary Table 4: List of SNPs included in the polygenic risk score for stroke

RSID	Chromosome	Effect allele	Beta
rs1052053	1	A	0.0675
rs12562305	1	A	0.0882
rs1537407	1	T	-0.0662
rs159963	1	A	0.0424
rs17035646	1	A	0.0522
rs2455134	1	A	-0.0564
rs72699046	1	C	0.0897
rs74976226	1	T	-0.1435
rs7538546	1	T	0.0862
rs7549874	1	T	0.0495
rs57269940	2	T	0.0499
rs6544653	2	T	-0.0451
rs10937513	3	A	0.0989
rs12630390	3	A	0.1184
rs9852938	3	A	0.0586
rs2066864	4	A	0.0562
rs2634074	4	A	-0.084
rs6838973	4	T	-0.0421
rs7435890	4	A	0.057
rs79485249	4	A	-0.1021
rs11952498	5	T	0.0431
rs11957829	5	A	0.0616
rs2060213	5	T	-0.0523
rs2585193	5	A	0.0504
rs6872625	5	T	0.051
rs79332111	5	T	-0.0661
rs11242678	6	T	0.0643
rs1563788	6	T	0.0449
rs35276016	6	T	0.0984
rs4151702	6	C	-0.0551
rs9386182	6	A	-0.0467
rs13312215	7	A	-0.1103
rs1549758	7	T	0.0532
rs2107595	7	A	0.0803
rs42039	7	T	-0.0574
rs2978551	8	T	0.0446
rs76893867	8	C	0.0506
rs1537375	9	T	-0.0519
rs635634	9	T	0.0685
rs10883926	10	A	0.0503
rs2284665	10	T	-0.0602
rs7917880	10	A	-0.0427
rs12361415	11	T	0.0458
rs36053597	11	T	0.061

rs475937	11	A	0.0757
rs7124178	11	T	-0.0524
rs10774624	12	A	-0.0654
rs11045896	12	A	0.0487
rs11066283	12	A	-0.0692
rs4140660	12	T	0.0641
rs7294375	12	T	-0.053
rs7314740	12	A	-0.0859
rs7488386	12	A	-0.0412
rs9668073	12	T	0.0431
rs4942561	13	T	0.064
rs650724	13	A	-0.0793
rs74808730	13	A	-0.0828
rs9521635	13	T	-0.0423
rs4903725	14	T	0.0586
rs4886564	15	T	-0.0653
rs59844791	15	A	-0.0633
rs12445022	16	A	0.052
rs7200604	16	T	0.0533
rs879324	16	A	0.0567
rs9936039	16	A	-0.0561
rs7219031	17	A	0.0596
rs12326831	18	A	-0.0857
rs1495900	18	A	-0.0479
rs34212978	18	T	-0.0687
rs8103309	19	T	0.0522
rs9613666	22	T	0.0426

Supplementary Table 5: List of SNPs included in the polygenic risk score for heart failure

RSID	Chromosome	Effect allele	Beta
rs17163345	1	A	-0.034
rs1739833	1	T	-0.048
rs602633	1	T	-0.054
rs72688573	1	T	-0.122
rs79682748	1	A	-0.155
rs1016287	2	T	0.037
rs12992672	2	A	0.045
rs17038861	2	T	0.039
rs3820888	2	T	-0.034
rs7564469	2	T	-0.043
rs10938398	4	A	0.033
rs17620390	4	A	-0.037
rs233806	4	T	-0.037
rs2634071	4	T	0.079
rs11746435	5	A	0.042
rs10455872	6	A	-0.104
rs3176326	6	A	-0.068
rs7766436	6	T	0.037
rs9349379	6	A	-0.031
rs9352691	6	T	0.032
rs6945340	7	T	-0.04
rs7795282	7	A	-0.042
rs600038	9	T	-0.049
rs7859727	9	T	0.061
rs17617337	10	T	-0.05
rs34163229	10	T	-0.056
rs4755720	11	T	-0.037
rs10846742	12	A	-0.046
rs2013002	12	T	0.033
rs7977247	12	T	0.032
rs959388	14	T	-0.031
rs11642015	16	T	0.058
rs12933292	16	C	0.034
rs216199	17	T	-0.037
rs3764351	17	A	-0.033
rs4327120	18	T	0.05
rs10520390	19	C	0.074
rs2832275	21	A	-0.047

Supplementary Table 6: List of SNPs included in the polygenic risk score for atrial fibrillation

RSID	Chromosome	Effect allele	Beta
rs10465885	1	C	0.0302
rs10753933	1	T	0.0609
rs11264280	1	T	0.1347
rs1545300	1	C	0.0558
rs284277	1	C	0.0422
rs2885697	1	G	0.0439
rs4073778	1	A	0.0486
rs4951258	1	A	0.0376
rs4999127	1	A	0.0827
rs577676	1	C	0.0923
rs6689306	1	A	0.046
rs72700114	1	C	0.2021
rs72700118	1	A	0.1227
rs7529220	1	C	0.0621
rs11125871	2	C	0.0394
rs11689011	2	T	0.0321
rs2288327	2	G	0.0919
rs2540949	2	A	0.0659
rs28387148	2	T	0.0741
rs35544454	2	A	0.0589
rs3820888	2	C	0.0684
rs56181519	2	C	0.0662
rs6747542	2	T	0.0554
rs67969609	2	G	0.0711
rs72926475	2	G	0.0683
rs7578393	2	T	0.0614
rs10804493	3	A	0.0558
rs1278493	3	G	0.0389
rs13077048	3	T	0.0493
rs17005647	3	T	0.0413
rs34080181	3	G	0.0446
rs60902112	3	T	0.0445
rs62274627	3	A	0.0297
rs6771054	3	T	0.0457
rs6790396	3	G	0.0627
rs73041705	3	T	0.0443
rs7374540	3	A	0.0325
rs7612445	3	T	0.0493
rs7650482	3	G	0.0711
rs10006327	4	C	0.0364
rs10213171	4	G	0.091
rs10520260	4	A	0.0457
rs12648245	4	T	0.0926
rs1458038	4	T	0.0434

rs1532170	4	G	0.0306
rs244017	4	T	0.0194
rs34104130	4	G	0.0365
rs3853445	4	T	0.1693
rs61501369	4	T	0.1038
rs67249485	4	T	0.3655
rs6829664	4	G	0.0556
rs6841049	4	T	0.0242
rs6850025	4	A	0.1815
rs7687819	4	A	0.0218
rs12188351	5	A	0.0865
rs17118812	5	C	0.0431
rs2012809	5	G	0.0582
rs2040862	5	T	0.1084
rs28439930	5	G	0.0458
rs337705	5	G	0.0564
rs6580277	5	G	0.067
rs6596717	5	C	0.0404
rs6891790	5	G	0.0729
rs117984853	6	T	0.1228
rs12211255	6	A	0.057
rs13195459	6	G	0.0623
rs2031522	6	A	0.0436
rs2308655	6	C	0.0494
rs3176326	6	G	0.0626
rs34969716	6	A	0.0702
rs3951016	6	A	0.0648
rs4896104	6	C	0.0421
rs73366713	6	G	0.1035
rs9401451	6	G	0.0733
rs11773845	7	A	0.1054
rs12700233	7	T	0.0367
rs2283038	7	T	0.0266
rs35005436	7	C	0.0612
rs55734480	7	A	0.0548
rs55985730	7	G	0.0867
rs56201652	7	G	0.0531
rs6462079	7	A	0.0466
rs7789146	7	G	0.0584
rs17430364	8	T	0.0425
rs35006907	8	A	0.0083
rs35620480	8	C	0.054
rs4871397	8	G	0.0756
rs62521286	8	G	0.1202
rs6994744	8	C	0.0405
rs72721963	8	G	0.039
rs7508	8	A	0.0711

rs7834729	8	G	0.0653
rs10760361	9	G	0.0259
rs10821415	9	A	0.0821
rs2274115	9	G	0.0487
rs4743034	9	A	0.0246
rs10458660	10	G	0.0537
rs10749053	10	T	0.0555
rs11598047	10	G	0.1537
rs12245149	10	C	0.047
rs35176054	10	A	0.1391
rs55693294	10	T	0.0546
rs60212594	10	G	0.1176
rs7096385	10	T	0.0707
rs10741807	11	T	0.0729
rs4935786	11	T	0.0463
rs565449	11	G	0.0409
rs76097649	11	A	0.1151
rs10773657	12	C	0.0575
rs11614818	12	C	0.0329
rs12426679	12	C	0.0391
rs12809354	12	C	0.0718
rs17380837	12	C	0.0501
rs2291437	12	G	0.0955
rs2860482	12	A	0.054
rs4963776	12	G	0.0913
rs6560886	12	C	0.051
rs7134121	12	T	0.0317
rs71454237	12	G	0.062
rs775498	12	G	0.0423
rs883079	12	T	0.0981
rs1980728	13	G	0.0361
rs35569628	13	T	0.0452
rs9506925	13	T	0.0449
rs10873298	14	C	0.0401
rs11156751	14	C	0.0719
rs1957021	14	C	0.0583
rs2738413	14	A	0.0778
rs422068	14	C	0.0439
rs73241997	14	T	0.0733
rs74884082	14	C	0.0493
rs12908004	15	G	0.0732
rs2759301	15	A	0.039
rs4965430	15	C	0.0441
rs7170477	15	A	0.0393
rs74022964	15	T	0.1132
rs745636	15	G	0.0392
rs2359171	16	A	0.1746

rs77316573	16	T	0.0529
rs876727	16	T	0.084
rs11658278	17	T	0.0443
rs12604076	17	T	0.0365
rs1563304	17	T	0.0644
rs7225165	17	G	0.0655
rs72811294	17	G	0.072
rs9899183	17	T	0.0452
rs8088085	18	A	0.0365
rs9953366	18	C	0.049
rs9963878	18	C	0.0653
rs2974231	19	A	0.033
rs2145274	20	A	0.0169
rs2834618	21	T	0.0944
rs56040242	21	A	0.0417
rs133902	22	T	0.0419
rs464901	22	T	0.0508

Supplementary Table 7: List of SNPs included in the polygenic risk score for ventricular arrhythmia

RSID	Chromosome	Effect allele	Odds ratio
rs1924563	1	T	1.61
rs2392911	2	C	0.75
rs62166260	2	T	1.47
rs13118576	4	T	1.22
rs1906596	4	T	0.79
rs35585955	9	T	1.33
rs10903687	10	A	1.21
rs7124547	11	T	1.18
rs7306019	12	T	1.18
rs75801015	18	A	1.48

ias

Supplementary Table 8: List of SNPs included in the polygenic risk score for peripheral artery disease

RSID	Chromosome	Effect allele	Odds ratio
rs6025	1	T	1.2
rs7528419	1	A	1.07
rs118039278	6	A	1.26
rs3130968	6	T	1.07
rs2107595	7	A	1.08
rs4722172	7	G	1.08
rs322	8	A	1.06
rs1537372	9	T	1.12
rs505922	9	C	1.06
rs7903146	10	T	1.06
rs566125	11	T	1.08
rs7476	11	C	1.06
rs11066301	12	G	1.06
rs4842266	12	G	1.06
rs1975514	13	C	1.05
rs55784307	14	A	1.06
rs10851907	15	A	1.06
rs62084752	17	C	1.07
rs138294113	19	C	1.09

se

Supplementary Table 9: List of SNPs included in the polygenic risk score for abdominal aortic aneur

RSID	Chromosome	Effect allele	Odds ratio
rs12125521	1	T	1.1
rs12730935	1	G	1.14
rs1795061	1	T	1.13
rs4129267	1	T	1.14
rs602633	1	T	1.14
rs646776	1	T	1.15
rs7255	2	T	1.1
rs10023907	4	T	1.09
rs118039278	6	A	1.28
rs3176336	6	T	1.1
rs10808546	8	C	1.1
rs10757274	9	A	1.24
rs10985349	9	T	1.17
rs4007642	9	T	1.21
rs7025486	9	A	1.12
rs1412445	10	T	1.1
rs4936098	11	G	1.13
rs964184	11	G	1.18
rs11172113	12	T	1.1
rs7994761	13	A	1.14
rs9316871	13	A	1.15
rs55958997	15	A	1.12
rs35254673	16	G	1.09
rs4401144	18	T	1.11
rs429358	19	C	1.17
rs6511720	19	T	1.24
rs73015016	19	G	1.15
rs3827066	20	T	1.22
rs73149487	20	G	1.26
rs8124182	20	A	1.15
rs2836411	21	T	1.1

ysm

Supplementary Table 10: List of SNPs included in the polygenic risk score for venous thromboembolism

RSID	Chromosome	Effect allele	Beta
rs10158131	1	G	0.0673
rs10732287	1	T	0.0916
rs10918970	1	T	0.0572
rs111414961	1	A	0.1183
rs113079063	1	T	0.2356
rs113123846	1	G	0.4417
rs115476742	1	C	0.0857
rs116140155	1	A	0.2498
rs1200118	1	G	0.1111
rs12075684	1	G	0.0534
rs12117978	1	A	0.2166
rs12128208	1	C	0.1373
rs12144655	1	A	0.0893
rs12567872	1	T	0.0893
rs12747018	1	T	0.0717
rs1320969	1	G	0.0478
rs1322487	1	A	0.046
rs1358714	1	A	0.0444
rs147474835	1	G	0.12
rs185120584	1	T	0.5696
rs1892091	1	C	0.0526
rs1933116	1	T	0.1724
rs2143289	1	T	0.2335
rs2644120	1	C	0.058
rs2842700	1	A	0.1138
rs3088075	1	T	0.0798
rs34258243	1	G	0.1015
rs35990973	1	A	0.1057
rs3811444	1	C	0.0513
rs3917862	1	G	0.2198
rs3936939	1	A	0.0458
rs4656683	1	T	0.1781
rs6032	1	T	0.1351
rs611769	1	C	0.0562
rs632793	1	G	0.0466
rs677665	1	T	0.0521
rs698915	1	A	0.0561
rs72702145	1	A	0.1342
rs72703796	1	G	0.2014
rs72705895	1	T	0.1313
rs7520186	1	T	0.0873
rs7526462	1	T	0.0714
rs764024	1	T	0.0502
rs78516619	1	G	0.6841

rs79322592	1	A	0.0517
rs966751	1	G	0.1142
rs10198483	2	A	0.0559
rs111736896	2	A	0.0717
rs13013670	2	T	0.0485
rs1799809	2	G	0.072
rs1867312	2	C	0.0585
rs35293119	2	G	0.0442
rs4893934	2	G	0.0449
rs535527575	2	G	0.1319
rs6434955	2	G	0.0587
rs67076363	2	A	0.0733
rs67495946	2	C	0.0631
rs75145714	2	C	0.1264
rs113114306	3	T	0.1047
rs115110838	3	T	0.0649
rs116764841	3	T	0.0661
rs11712865	3	G	0.0799
rs11721316	3	A	0.061
rs12636448	3	C	0.0456
rs139156297	3	T	0.1588
rs141912156	3	T	0.1656
rs1841009	3	T	0.0567
rs3116549	3	C	0.0522
rs6799348	3	G	0.1488
rs7374904	3	A	0.0751
rs75347181	3	A	0.1323
rs7622284	3	T	0.0741
rs9290227	3	T	0.0849
rs9290378	3	T	0.0509
rs9858006	3	A	0.0465
rs10866290	4	C	0.0464
rs113435394	4	C	0.2091
rs115999709	4	G	0.1456
rs116333064	4	A	0.1157
rs13126546	4	T	0.1142
rs13130318	4	G	0.1984
rs13137269	4	T	0.0617
rs13435192	4	T	0.1124
rs140303646	4	T	0.218
rs1984906	4	G	0.0671
rs2070008	4	T	0.0975
rs2203111	4	G	0.0901
rs3775303	4	T	0.1486
rs4253333	4	G	0.0494
rs4253414	4	C	0.1544
rs4253425	4	C	0.2399

rs4323084	4	T	0.1012
rs4547780	4	G	0.064
rs551251712	4	C	0.2385
rs56379917	4	A	0.1638
rs56810541	4	T	0.1975
rs59234924	4	G	0.1077
rs72646294	4	A	0.1947
rs72681247	4	T	0.2163
rs72712610	4	A	0.1509
rs72712626	4	G	0.1365
rs75440104	4	C	0.1177
rs7685922	4	C	0.054
rs79201245	4	C	0.1462
rs79726896	4	G	0.1598
rs925452	4	A	0.2681
rs12234072	5	G	0.0661
rs12656497	5	T	0.0438
rs16867574	5	C	0.059
rs325247	5	C	0.0439
rs4700642	5	A	0.0491
rs56347914	5	C	0.0843
rs11759438	6	C	0.0436
rs1627764	6	G	0.0525
rs2074492	6	T	0.051
rs214057	6	C	0.0446
rs2531815	6	T	0.047
rs3094094	6	A	0.0793
rs3095304	6	T	0.0634
rs9373523	6	G	0.06
rs11981586	7	C	0.0657
rs1347390	7	G	0.0515
rs10087301	8	A	0.0632
rs117564659	8	G	0.1314
rs118105926	8	A	0.1379
rs138757339	8	C	0.2102
rs17383689	8	G	0.0833
rs2685413	8	G	0.0608
rs4236786	8	C	0.0512
rs4541868	8	C	0.0876
rs6991048	8	T	0.0904
rs7004172	8	G	0.051
rs7341574	8	T	0.0452
rs7812868	8	C	0.0621
rs10441806	9	C	0.105
rs10793953	9	G	0.0496
rs11244032	9	C	0.0837
rs11244035	9	T	0.2223

rs11244051	9	A	0.384
rs11507716	9	T	0.0802
rs117119759	9	A	0.2099
rs11789139	9	G	0.1669
rs11791119	9	T	0.1052
rs13300181	9	A	0.0616
rs146383320	9	T	0.1278
rs149181677	9	T	0.2461
rs149189328	9	C	0.2669
rs16111128	9	G	0.0495
rs189064188	9	T	0.0804
rs2285488	9	G	0.1007
rs28470788	9	T	0.0723
rs28615587	9	T	0.078
rs3094326	9	G	0.1027
rs3094373	9	A	0.2432
rs3124747	9	A	0.0757
rs3124755	9	C	0.1278
rs3761824	9	C	0.0538
rs3888561	9	C	0.0559
rs41302673	9	G	0.242
rs4962043	9	G	0.0607
rs557317	9	A	0.1499
rs55988407	9	G	0.1664
rs62575992	9	C	0.0967
rs652600	9	A	0.0992
rs66697526	9	G	0.1399
rs7027827	9	A	0.0729
rs7039497	9	G	0.1081
rs736418	9	G	0.0556
rs76771223	9	G	0.1431
rs7855466	9	T	0.1054
rs78590974	9	T	0.2221
rs78755596	9	A	0.2855
rs8176630	9	C	0.1382
rs8176634	9	G	0.1117
rs9411377	9	A	0.308
rs9411395	9	G	0.1408
rs9802874	9	A	0.0636
rs10886430	10	G	0.1289
rs10998791	10	A	0.0677
rs12416320	10	G	0.1553
rs12783163	10	A	0.0596
rs12785008	10	C	0.0691
rs137936874	10	G	0.2231
rs140438685	10	A	0.2024
rs1547643	10	G	0.0476

rs1665581	10	G	0.0771
rs1769758	10	G	0.0436
rs211416	10	T	0.0684
rs2211163	10	A	0.0724
rs2305196	10	A	0.0555
rs36054387	10	C	0.0729
rs3793846	10	T	0.0572
rs78707713	10	T	0.2414
rs11038913	11	T	0.1126
rs11600151	11	T	0.0793
rs11606922	11	C	0.1115
rs117653193	11	T	0.1049
rs12274057	11	T	0.0751
rs141798115	11	T	0.2207
rs174548	11	C	0.0842
rs198428	11	A	0.0464
rs2061997	11	T	0.049
rs2306029	11	T	0.0641
rs2856656	11	C	0.3976
rs34953939	11	A	0.0931
rs369876615	11	C	0.1184
rs543926510	11	C	0.1339
rs563259534	11	T	0.1048
rs5896	11	T	0.0668
rs72897640	11	T	0.0672
rs72910502	11	C	0.1161
rs73487492	11	A	0.1034
rs75348906	11	A	0.0695
rs11170877	12	A	0.0696
rs137870902	12	T	0.2329
rs139727584	12	C	0.1076
rs183356	12	A	0.1405
rs28413626	12	G	0.0739
rs3751198	12	G	0.0491
rs61926202	12	A	0.2109
rs7135039	12	T	0.0781
rs7137828	12	C	0.0424
rs78915411	12	G	0.0823
rs12858483	13	G	0.0588
rs3211752	13	G	0.06
rs112089121	14	G	0.0752
rs112635299	14	T	0.1463
rs12886724	14	G	0.0501
rs2229678	14	C	0.1842
rs61988257	14	A	0.0603
rs77398404	14	T	0.0794
rs148770227	15	C	0.1837

rs17502085	15	A	0.0525
rs190543502	15	T	0.1973
rs35204896	15	G	0.0738
rs74245462	15	T	0.0503
rs1071644	16	C	0.0475
rs11150422	16	G	0.053
rs116468525	16	A	0.2059
rs12445050	16	T	0.1248
rs12926888	16	A	0.0449
rs16956040	16	C	0.0613
rs34603417	16	A	0.0456
rs4889419	16	G	0.0575
rs55909816	16	C	0.0437
rs61374069	16	A	0.0524
rs9937779	16	C	0.0568
rs1048483	17	T	0.0616
rs216181	17	A	0.072
rs2270744	17	C	0.0447
rs57222984	17	G	0.0522
rs77542162	17	G	0.1932
rs78209469	17	T	0.0867
rs2032276	18	G	0.0435
rs62112094	18	A	0.059
rs631126	18	C	0.0579
rs1054533	19	T	0.0451
rs11668544	19	G	0.1314
rs12710257	19	G	0.1164
rs12981072	19	C	0.0469
rs141622900	19	A	0.1007
rs142170418	19	C	0.1574
rs1613662	19	A	0.0818
rs187758170	19	A	0.1465
rs2341097	19	T	0.0502
rs4805881	19	C	0.0544
rs8100818	19	T	0.0483
rs8107372	19	T	0.0515
rs8110479	19	C	0.1131
rs874492	19	A	0.0481
rs143383	20	G	0.0482
rs149439892	20	A	0.1527
rs17092148	20	G	0.0612
rs185663249	20	A	0.1487
rs2050652	20	G	0.0564
rs2069946	20	C	0.1255
rs34397775	20	A	0.084
rs551986443	20	C	0.1488
rs56244533	20	A	0.0567

rs564783003	20	C	0.1488
rs6058218	20	G	0.0552
rs6058227	20	T	0.0813
rs6059574	20	G	0.0479
rs6060288	20	A	0.1178
rs6076004	20	T	0.0472
rs6083037	20	A	0.0798
rs6087538	20	C	0.0585
rs6137727	20	A	0.0534
rs6141600	20	C	0.0482
rs62204096	20	A	0.1565
rs75627267	20	T	0.1209
rs2854827	22	G	0.0589
rs738408	22	C	0.0566
rs9620086	22	G	0.0609

Supplementary Table 11: Descriptive statistics of included 168 metabolites.

Biomarker	Description	Units
Ala	Alanine	mmol/L
Gln	Glutamine	mmol/L
Gly	Glycine	mmol/L
His	Histidine	mmol/L
Ile	Isoleucine	mmol/L
Leu	Leucine	mmol/L
Total_BCAA	Total Concentration of Branched-Chain Amino Acids (Leucine + Isoleucine	mmol/L
Val	Valine	mmol/L
Phe	Phenylalanine	mmol/L
Tyr	Tyrosine	mmol/L
Albumin	Albumin	g/l
Creatinine	Creatinine	mmol/L
GlycA	Glycoprotein Acetyls	mmol/L
DHA	Docosahexaenoic Acid	mmol/L
LA	Linoleic Acid	mmol/L
MUFA	Monounsaturated Fatty Acids	mmol/L
Omega_3	Omega-3 Fatty Acids	mmol/L
Omega_6	Omega-6 Fatty Acids	mmol/L
PUFA	Polyunsaturated Fatty Acids	mmol/L
SFA	Saturated Fatty Acids	mmol/L
Total_FA	Total Fatty Acids	mmol/L
Unsaturation	Degree of Unsaturation	degree
Citrate	Citrate	mmol/L
Glucose	Glucose	mmol/L
Lactate	Lactate	mmol/L
Pyruvate	Pyruvate	mmol/L
Acetate	Acetate	mmol/L
Acetoacetate	Acetoacetate	mmol/L
Acetone	Acetone	mmol/L
bOHbutyrate	3-Hydroxybutyrate	mmol/L
HDL_L	Total Lipids in HDL	mmol/L
LDL_L	Total Lipids in LDL	mmol/L
Total_L	Total Lipids in Lipoprotein Particles	mmol/L
VLDL_L	Total Lipids in VLDL	mmol/L
Clinical_LDL_C	Clinical LDL Cholesterol	mmol/L
HDL_C	HDL Cholesterol	mmol/L
LDL_C	LDL Cholesterol	mmol/L
Remnant_C	Remnant Cholesterol (Non-HDL, Non-LDL -Cholesterol)	mmol/L
Total_C	Total Cholesterol	mmol/L
VLDL_C	VLDL Cholesterol	mmol/L
non_HDL_C	Total Cholesterol Minus HDL-C	mmol/L
HDL_FC	Free Cholesterol in HDL	mmol/L
LDL_FC	Free Cholesterol in LDL	mmol/L
Total_FC	Total Free Cholesterol	mmol/L
VLDL_FC	Free Cholesterol in VLDL	mmol/L

HDL_CE	Cholesteryl Esters in HDL	mmol/L
LDL_CE	Cholesteryl Esters in LDL	mmol/L
Total_CE	Total Esterified Cholesterol	mmol/L
VLDL_CE	Cholesteryl Esters in VLDL	mmol/L
HDL_PL	Phospholipids in HDL	mmol/L
LDL_PL	Phospholipids in LDL	mmol/L
Total_PL	Total Phospholipids in Lipoprotein Particles	mmol/L
VLDL_PL	Phospholipids in VLDL	mmol/L
HDL_TG	Triglycerides in HDL	mmol/L
LDL_TG	Triglycerides in LDL	mmol/L
Total_TG	Total Triglycerides	mmol/L
VLDL_TG	Triglycerides in VLDL	mmol/L
Cholines	Total Cholines	mmol/L
Phosphatidylc	Phosphatidylcholines	mmol/L
Phosphoglyc	Phosphoglycerides	mmol/L
Sphingomyelins	Sphingomyelins	mmol/L
HDL_size	Average Diameter for HDL Particles	nm
LDL_size	Average Diameter for LDL Particles	nm
VLDL_size	Average Diameter for VLDL Particles	nm
HDL_P	Concentration of HDL Particles	mmol/L
LDL_P	Concentration of LDL Particles	mmol/L
Total_P	Total Concentration of Lipoprotein Particles	mmol/L
VLDL_P	Concentration of VLDL Particles	mmol/L
XXL_VLDL_C	Cholesterol in Chylomicrons and Extremely Large VLDL	mmol/L
XXL_VLDL_CE	Cholesteryl Esters in Chylomicrons and Extremely Large VLDL	mmol/L
XXL_VLDL_FC	Free Cholesterol in Chylomicrons and Extremely Large VLDL	mmol/L
XXL_VLDL_L	Total Lipids in Chylomicrons and Extremely Large VLDL	mmol/L
XXL_VLDL_P	Concentration of Chylomicrons and Extremely Large VLDL Particles	mmol/L
XXL_VLDL_PL	Phospholipids in Chylomicrons and Extremely Large VLDL	mmol/L
XXL_VLDL_TG	Triglycerides in Chylomicrons and Extremely Large VLDL	mmol/L
XL_VLDL_C	Cholesterol in Very Large VLDL	mmol/L
XL_VLDL_CE	Cholesteryl Esters in Very Large VLDL	mmol/L
XL_VLDL_FC	Free Cholesterol in Very Large VLDL	mmol/L
XL_VLDL_L	Total Lipids in Very Large VLDL	mmol/L
XL_VLDL_P	Concentration of Very Large VLDL Particles	mmol/L
XL_VLDL_PL	Phospholipids in Very Large VLDL	mmol/L
XL_VLDL_TG	Triglycerides in Very Large VLDL	mmol/L
L_VLDL_C	Cholesterol in Large VLDL	mmol/L
L_VLDL_CE	Cholesteryl Esters in Large VLDL	mmol/L
L_VLDL_FC	Free Cholesterol in Large VLDL	mmol/L
L_VLDL_L	Total Lipids in Large VLDL	mmol/L
L_VLDL_P	Concentration of Large VLDL Particles	mmol/L
L_VLDL_PL	Phospholipids in Large VLDL	mmol/L
L_VLDL_TG	Triglycerides in Large VLDL	mmol/L
M_VLDL_C	Cholesterol in Medium VLDL	mmol/L
M_VLDL_CE	Cholesteryl Esters in Medium VLDL	mmol/L
M_VLDL_FC	Free Cholesterol in Medium VLDL	mmol/L

M_VLDL_L	Total Lipids in Medium VLDL	mmol/L
M_VLDL_P	Concentration of Medium VLDL Particles	mmol/L
M_VLDL_PL	Phospholipids in Medium VLDL	mmol/L
M_VLDL_TG	Triglycerides in Medium VLDL	mmol/L
S_VLDL_C	Cholesterol in Small VLDL	mmol/L
S_VLDL_CE	Cholesteryl Esters in Small VLDL	mmol/L
S_VLDL_FC	Free Cholesterol in Small VLDL	mmol/L
S_VLDL_L	Total Lipids in Small VLDL	mmol/L
S_VLDL_P	Concentration of Small VLDL Particles	mmol/L
S_VLDL_PL	Phospholipids in Small VLDL	mmol/L
S_VLDL_TG	Triglycerides in Small VLDL	mmol/L
XS_VLDL_C	Cholesterol in Very Small VLDL	mmol/L
XS_VLDL_CE	Cholesteryl Esters in Very Small VLDL	mmol/L
XS_VLDL_FC	Free Cholesterol in Very Small VLDL	mmol/L
XS_VLDL_L	Total Lipids in Very Small VLDL	mmol/L
XS_VLDL_P	Concentration of Very Small VLDL Particles	mmol/L
XS_VLDL_PL	Phospholipids in Very Small VLDL	mmol/L
XS_VLDL_TG	Triglycerides in Very Small VLDL	mmol/L
L_LDL_C	Cholesterol in Large LDL	mmol/L
L_LDL_CE	Cholesteryl Esters in Large LDL	mmol/L
L_LDL_FC	Free Cholesterol in Large LDL	mmol/L
L_LDL_L	Total Lipids in Large LDL	mmol/L
L_LDL_P	Concentration of Large LDL Particles	mmol/L
L_LDL_PL	Phospholipids in Large LDL	mmol/L
L_LDL_TG	Triglycerides in Large LDL	mmol/L
M_LDL_C	Cholesterol in Medium LDL	mmol/L
M_LDL_CE	Cholesteryl Esters in Medium LDL	mmol/L
M_LDL_FC	Free Cholesterol in Medium LDL	mmol/L
M_LDL_L	Total Lipids in Medium LDL	mmol/L
M_LDL_P	Concentration of Medium LDL Particles	mmol/L
M_LDL_PL	Phospholipids in Medium LDL	mmol/L
M_LDL_TG	Triglycerides in Medium LDL	mmol/L
S_LDL_C	Cholesterol in Small LDL	mmol/L
S_LDL_CE	Cholesteryl Esters in Small LDL	mmol/L
S_LDL_FC	Free Cholesterol in Small LDL	mmol/L
S_LDL_L	Total Lipids in Small LDL	mmol/L
S_LDL_P	Concentration of Small LDL Particles	mmol/L
S_LDL_PL	Phospholipids in Small LDL	mmol/L
S_LDL_TG	Triglycerides in Small LDL	mmol/L
IDL_C	Cholesterol in IDL	mmol/L
IDL_CE	Cholesteryl Esters in IDL	mmol/L
IDL_FC	Free Cholesterol in IDL	mmol/L
IDL_L	Total Lipids in IDL	mmol/L
IDL_P	Concentration of IDL Particles	mmol/L
IDL_PL	Phospholipids in IDL	mmol/L
IDL_TG	Triglycerides in IDL	mmol/L
XL_HDL_C	Cholesterol in Very Large HDL	mmol/L

XL_HDL_CE	Cholesteryl Esters in Very Large HDL	mmol/L
XL_HDL_FC	Free Cholesterol in Very Large HDL	mmol/L
XL_HDL_L	Total Lipids in Very Large HDL	mmol/L
XL_HDL_P	Concentration of Very Large HDL Particles	mmol/L
XL_HDL_PL	Phospholipids in Very Large HDL	mmol/L
XL_HDL_TG	Triglycerides in Very Large HDL	mmol/L
L_HDL_C	Cholesterol in Large HDL	mmol/L
L_HDL_CE	Cholesteryl Esters in Large HDL	mmol/L
L_HDL_FC	Free Cholesterol in Large HDL	mmol/L
L_HDL_L	Total Lipids in Large HDL	mmol/L
L_HDL_P	Concentration of Large HDL Particles	mmol/L
L_HDL_PL	Phospholipids in Large HDL	mmol/L
L_HDL_TG	Triglycerides in Large HDL	mmol/L
M_HDL_C	Cholesterol in Medium HDL	mmol/L
M_HDL_CE	Cholesteryl Esters in Medium HDL	mmol/L
M_HDL_FC	Free Cholesterol in Medium HDL	mmol/L
M_HDL_L	Total Lipids in Medium HDL	mmol/L
M_HDL_P	Concentration of Medium HDL Particles	mmol/L
M_HDL_PL	Phospholipids in Medium HDL	mmol/L
M_HDL_TG	Triglycerides in Medium HDL	mmol/L
S_HDL_C	Cholesterol in Small HDL	mmol/L
S_HDL_CE	Cholesteryl Esters in Small HDL	mmol/L
S_HDL_FC	Free Cholesterol in Small HDL	mmol/L
S_HDL_L	Total Lipids in Small HDL	mmol/L
S_HDL_P	Concentration of Small HDL Particles	mmol/L
S_HDL_PL	Phospholipids in Small HDL	mmol/L
S_HDL_TG	Triglycerides in Small HDL	mmol/L
ApoA1	Apolipoprotein A1	g/l
ApoB	Apolipoprotein B	g/l

Category	UKB Field ID	Median (IQR)	Missing rate (%)
Amino acids	23460	0.286 (0.237, 0.343)	0.0
Amino acids	23461	0.551 (0.497, 0.604)	0.3
Amino acids	23462	0.159 (0.128, 0.203)	0.1
Amino acids	23463	0.065 (0.058, 0.072)	0.1
Branched-chain amino acids	23465	0.048 (0.038, 0.059)	0.0
Branched-chain amino acids	23466	0.099 (0.084, 0.118)	0.0
Branched-chain amino acids	23464	0.351 (0.304, 0.409)	0.1
Branched-chain amino acids	23467	0.204 (0.179, 0.234)	0.1
Aromatic amino acids	23468	0.046 (0.040, 0.053)	0.0
Aromatic amino acids	23469	0.061 (0.053, 0.071)	0.1
Fluid balance	23479	39.305 (37.239, 41.402)	0.0
Fluid balance	23478	0.066 (0.058, 0.075)	2.5
Inflammation	23480	0.803 (0.728, 0.884)	0.0
Fatty acids	23450	0.226 (0.182, 0.281)	0.1
Fatty acids	23449	3.443 (3.026, 3.913)	0.1
Fatty acids	23447	2.769 (2.320, 3.336)	0.1
Fatty acids	23444	0.501 (0.380, 0.652)	0.1
Fatty acids	23445	4.494 (4.075, 4.961)	0.1
Fatty acids	23446	5.017 (4.527, 5.574)	0.1
Fatty acids	23448	4.008 (3.478, 4.647)	0.1
Fatty acids	23442	11.851 (10.437, 13.498)	0.1
Fatty acids	23443	1.359 (1.308, 1.409)	0.1
Glycolysis related metabolites	23473	0.064 (0.056, 0.073)	0.0
Glycolysis related metabolites	23470	3.571 (3.135, 4.043)	0.2
Glycolysis related metabolites	23471	3.796 (3.141, 4.526)	0.2
Glycolysis related metabolites	23472	0.077 (0.062, 0.095)	0.3
Ketone bodies	23475	0.015 (0.012, 0.019)	0.1
Ketone bodies	23476	0.010 (0.006, 0.016)	0.0
Ketone bodies	23477	0.013 (0.011, 0.016)	0.0
Ketone bodies	23474	0.043 (0.029, 0.070)	1.6
Total lipids	23426	2.975 (2.587, 3.437)	0.0
Total lipids	23425	2.497 (2.111, 2.907)	0.0
Total lipids	23423	8.852 (7.832, 9.972)	0.0
Total lipids	23424	2.009 (1.475, 2.649)	0.0
Cholesterol	23404	2.552 (2.080, 3.047)	0.0
Cholesterol	23406	1.293 (1.095, 1.531)	0.0
Cholesterol	23405	1.743 (1.461, 2.043)	0.0
Cholesterol	23402	1.551 (1.286, 1.839)	0.0
Cholesterol	23400	4.648 (4.052, 5.276)	0.0
Cholesterol	23403	0.707 (0.546, 0.883)	0.0
Cholesterol	23401	3.302 (2.758, 3.866)	0.0
Free cholesterol	23422	0.287 (0.244, 0.339)	0.0
Free cholesterol	23421	0.467 (0.390, 0.549)	0.0
Free cholesterol	23419	1.266 (1.096, 1.446)	0.0
Free cholesterol	23420	0.282 (0.214, 0.361)	0.0

Cholesteryl esters	23418	1.007 (0.849, 1.196)	0.0
Cholesteryl esters	23417	1.276 (1.070, 1.498)	0.0
Cholesteryl esters	23415	3.381 (2.953, 3.831)	0.0
Cholesteryl esters	23416	0.423 (0.330, 0.525)	0.0
Phospholipids	23414	1.537 (1.338, 1.765)	0.0
Phospholipids	23413	0.609 (0.517, 0.705)	0.0
Phospholipids	23411	2.936 (2.637, 3.259)	0.0
Phospholipids	23412	0.455 (0.341, 0.587)	0.0
Triglycerides	23410	0.139 (0.112, 0.171)	0.0
Triglycerides	23409	0.140 (0.119, 0.168)	0.0
Triglycerides	23407	1.202 (0.880, 1.633)	0.0
Triglycerides	23408	0.826 (0.549, 1.196)	0.0
Other lipids	23436	2.573 (2.312, 2.853)	0.1
Other lipids	23437	2.101 (1.863, 2.357)	0.1
Other lipids	23434	2.286 (2.032, 2.556)	0.1
Other lipids	23438	0.452 (0.406, 0.500)	0.1
Lipoprotein particle sizes	23433	9.613 (9.492, 9.775)	0.0
Lipoprotein particle sizes	23432	23.937 (23.875, 23.993)	0.0
Lipoprotein particle sizes	23431	38.590 (37.702, 39.507)	0.0
Lipoprotein particle concentrations	23430	0.015 (0.014, 0.017)	0.0
Lipoprotein particle concentrations	23429	0.001 (0.001, 0.001)	0.0
Lipoprotein particle concentrations	23427	0.017 (0.015, 0.019)	0.0
Lipoprotein particle concentrations	23428	0.0001 (0.0001, 0.0002)	0.0
Chylomicrons and extremely large VLDL	23484	0.046 (0.023, 0.078)	0.0
Chylomicrons and extremely large VLDL	23485	0.026 (0.013, 0.044)	0.0
Chylomicrons and extremely large VLDL	23486	0.020 (0.010, 0.034)	0.0
Chylomicrons and extremely large VLDL	23482	0.165 (0.066, 0.322)	0.0
Chylomicrons and extremely large VLDL	23481	0.000001 (0.000000, 0.000002)	0.0
Chylomicrons and extremely large VLDL	23483	0.026 (0.011, 0.051)	0.0
Chylomicrons and extremely large VLDL	23487	0.093 (0.032, 0.193)	0.0
Very large VLDL	23491	0.051 (0.032, 0.072)	0.0
Very large VLDL	23492	0.029 (0.019, 0.040)	0.0
Very large VLDL	23493	0.021 (0.013, 0.032)	0.0
Very large VLDL	23489	0.179 (0.102, 0.282)	0.0
Very large VLDL	23488	0.000003 (0.000002, 0.000005)	0.0
Very large VLDL	23490	0.034 (0.019, 0.054)	0.0
Very large VLDL	23494	0.093 (0.049, 0.156)	0.0
Large VLDL	23498	0.094 (0.063, 0.130)	0.0
Large VLDL	23499	0.050 (0.035, 0.067)	0.0
Large VLDL	23500	0.044 (0.028, 0.063)	0.0
Large VLDL	23496	0.308 (0.198, 0.443)	0.0
Large VLDL	23495	0.00001 (0.00001, 0.00001)	0.0
Large VLDL	23497	0.062 (0.037, 0.092)	0.0
Large VLDL	23501	0.151 (0.097, 0.223)	0.0
Medium VLDL	23505	0.170 (0.127, 0.215)	0.0
Medium VLDL	23506	0.092 (0.067, 0.118)	0.0
Medium VLDL	23507	0.078 (0.059, 0.099)	0.0

Medium VLDL	23503	0.565 (0.431, 0.715)	0.0
Medium VLDL	23502	0.00003 (0.00003, 0.00004)	0.0
Medium VLDL	23504	0.127 (0.096, 0.161)	0.0
Medium VLDL	23508	0.263 (0.190, 0.350)	0.0
Small VLDL	23512	0.155 (0.121, 0.191)	0.0
Small VLDL	23513	0.097 (0.075, 0.120)	0.0
Small VLDL	23514	0.058 (0.046, 0.071)	0.0
Small VLDL	23510	0.406 (0.321, 0.501)	0.0
Small VLDL	23509	0.00004 (0.00003, 0.00005)	0.0
Small VLDL	23511	0.096 (0.077, 0.118)	0.0
Small VLDL	23515	0.153 (0.115, 0.197)	0.0
Very small VLDL	23519	0.183 (0.152, 0.217)	0.0
Very small VLDL	23520	0.126 (0.104, 0.150)	0.0
Very small VLDL	23521	0.057 (0.048, 0.067)	0.0
Very small VLDL	23517	0.354 (0.300, 0.415)	0.0
Very small VLDL	23516	0.0001 (0.0000, 0.0001)	0.0
Very small VLDL	23518	0.103 (0.087, 0.122)	0.0
Very small VLDL	23522	0.067 (0.055, 0.081)	0.0
Large LDL	23533	1.136 (0.957, 1.328)	0.0
Large LDL	23534	0.838 (0.707, 0.982)	0.0
Large LDL	23535	0.297 (0.249, 0.349)	0.0
Large LDL	23531	1.591 (1.351, 1.847)	0.0
Large LDL	23530	0.001 (0.001, 0.001)	0.0
Large LDL	23532	0.358 (0.305, 0.414)	0.0
Large LDL	23536	0.094 (0.081, 0.112)	0.0
Medium LDL	23540	0.426 (0.350, 0.508)	0.0
Medium LDL	23541	0.305 (0.250, 0.366)	0.0
Medium LDL	23542	0.120 (0.099, 0.142)	0.0
Medium LDL	23538	0.620 (0.514, 0.735)	0.0
Medium LDL	23537	0.0003 (0.0002, 0.0003)	0.0
Medium LDL	23539	0.162 (0.135, 0.191)	0.0
Medium LDL	23543	0.031 (0.026, 0.038)	0.0
Small LDL	23547	0.181 (0.152, 0.211)	0.0
Small LDL	23548	0.131 (0.110, 0.154)	0.0
Small LDL	23549	0.050 (0.042, 0.058)	0.0
Small LDL	23545	0.284 (0.242, 0.329)	0.0
Small LDL	23544	0.0002 (0.0001, 0.0002)	0.0
Small LDL	23546	0.088 (0.077, 0.101)	0.0
Small LDL	23550	0.014 (0.012, 0.018)	0.0
IDL	23526	0.843 (0.705, 0.987)	0.0
IDL	23527	0.622 (0.520, 0.729)	0.0
IDL	23528	0.220 (0.184, 0.258)	0.0
IDL	23524	1.235 (1.050, 1.429)	0.0
IDL	23523	0.0003 (0.0003, 0.0004)	0.0
IDL	23525	0.293 (0.251, 0.337)	0.0
IDL	23529	0.097 (0.083, 0.115)	0.0
Very large HDL	23554	0.075 (0.059, 0.100)	0.0

Very large HDL	23555	0.053 (0.040, 0.073)	0.0
Very large HDL	23556	0.022 (0.019, 0.027)	0.0
Very large HDL	23552	0.151 (0.114, 0.207)	0.0
Very large HDL	23551	0.0002 (0.0002, 0.0003)	0.0
Very large HDL	23553	0.069 (0.048, 0.101)	0.0
Very large HDL	23557	0.007 (0.005, 0.009)	0.0
Large HDL	23561	0.263 (0.175, 0.396)	0.0
Large HDL	23562	0.204 (0.134, 0.307)	0.0
Large HDL	23563	0.060 (0.041, 0.089)	0.0
Large HDL	23559	0.591 (0.418, 0.844)	0.0
Large HDL	23558	0.001 (0.001, 0.002)	0.0
Large HDL	23560	0.299 (0.215, 0.417)	0.0
Large HDL	23564	0.029 (0.022, 0.037)	0.0
Medium HDL	23568	0.492 (0.413, 0.579)	0.0
Medium HDL	23569	0.406 (0.342, 0.476)	0.0
Medium HDL	23570	0.086 (0.071, 0.104)	0.0
Medium HDL	23566	1.032 (0.889, 1.188)	0.0
Medium HDL	23565	0.004 (0.003, 0.004)	0.0
Medium HDL	23567	0.485 (0.422, 0.554)	0.0
Medium HDL	23571	0.052 (0.041, 0.065)	0.0
Small HDL	23575	0.447 (0.408, 0.488)	0.0
Small HDL	23576	0.331 (0.301, 0.363)	0.0
Small HDL	23577	0.115 (0.105, 0.126)	0.0
Small HDL	23573	1.162 (1.061, 1.267)	0.0
Small HDL	23572	0.010 (0.009, 0.011)	0.0
Small HDL	23574	0.661 (0.604, 0.725)	0.0
Small HDL	23578	0.051 (0.041, 0.063)	0.0
Apolipoproteins	23440	1.446 (1.296, 1.617)	0.0
Apolipoproteins	23439	0.844 (0.714, 0.982)	0.0

Supplementary Table 12: Descriptive statistics of included 2,920 proteins.

Biomarker	Panel	Median (IQR)	Missing rate (%)
ACAN	Cardiometabolic	0.002 (-0.224, 0.221)	2.8
ACE2	Cardiometabolic	-0.017 (-0.339, 0.372)	3.8
ACOX1	Cardiometabolic	0.281 (0.118, 0.455)	2.1
ACP5	Cardiometabolic	-0.002 (-0.252, 0.235)	1.5
ACTA2	Cardiometabolic	-0.016 (-0.288, 0.271)	3.8
ACY1	Cardiometabolic	-0.017 (-0.468, 0.495)	2.1
ADA2	Cardiometabolic	-0.007 (-0.299, 0.293)	2.7
ADAM15	Cardiometabolic	-0.003 (-0.224, 0.228)	3.8
ADAMTS13	Cardiometabolic	0.004 (-0.158, 0.162)	1.1
ADAMTS16	Cardiometabolic	-0.003 (-0.205, 0.193)	3.8
ADGRE5	Cardiometabolic	-0.001 (-0.214, 0.221)	1.6
ADGRG2	Cardiometabolic	0.009 (-0.205, 0.232)	2.1
ADH4	Cardiometabolic	-0.018 (-0.711, 0.726)	3.8
AGXT	Cardiometabolic	-0.018 (-0.524, 0.605)	2.1
AHCY	Cardiometabolic	-0.013 (-0.509, 0.489)	2.1
AK1	Cardiometabolic	-0.013 (-0.475, 0.451)	2.1
AKR1C4	Cardiometabolic	0.103 (-0.038, 0.291)	3.8
ALCAM	Cardiometabolic	-0.001 (-0.150, 0.152)	1.1
AMY2A	Cardiometabolic	0.000 (-0.340, 0.338)	6.5
AMY2B	Cardiometabolic	0.000 (-0.340, 0.337)	9.0
ANG	Cardiometabolic	-0.005 (-0.258, 0.232)	2.4
ANGPTL1	Cardiometabolic	-0.001 (-0.211, 0.220)	3.7
ANGPTL3	Cardiometabolic	0.006 (-0.264, 0.293)	2.1
ANPEP	Cardiometabolic	-0.002 (-0.179, 0.189)	2.0
ANXA4	Cardiometabolic	-0.002 (-0.539, 0.542)	2.6
AOC3	Cardiometabolic	0.000 (-0.223, 0.215)	1.8
APLP1	Cardiometabolic	0.000 (-0.372, 0.392)	2.1
APOM	Cardiometabolic	0.011 (-0.178, 0.206)	2.0
ART3	Cardiometabolic	0.000 (-0.267, 0.270)	1.8
AXL	Cardiometabolic	0.000 (-0.191, 0.196)	1.8
AZU1	Cardiometabolic	-0.025 (-0.479, 0.496)	5.8
BAG6	Cardiometabolic	-0.007 (-0.260, 0.257)	3.8
BLMH	Cardiometabolic	-0.004 (-0.232, 0.220)	1.1
BMP6	Cardiometabolic	0.000 (-0.255, 0.265)	3.9
BOC	Cardiometabolic	-0.001 (-0.175, 0.169)	3.8
BPIFB1	Cardiometabolic	-0.000 (-0.502, 0.501)	2.8
C1QTNF1	Cardiometabolic	-0.007 (-0.263, 0.253)	1.8
C2	Cardiometabolic	0.000 (-0.136, 0.125)	2.0
CA1	Cardiometabolic	-0.010 (-0.460, 0.445)	4.2
CA13	Cardiometabolic	-0.002 (-0.823, 0.705)	2.5
CA3	Cardiometabolic	-0.022 (-0.457, 0.430)	1.3
CA4	Cardiometabolic	-0.004 (-0.179, 0.165)	1.1
CA5A	Cardiometabolic	-0.038 (-0.704, 0.708)	3.8
CANT1	Cardiometabolic	-0.001 (-0.149, 0.144)	2.1
CASP3	Cardiometabolic	-0.003 (-0.701, 0.637)	1.1

CBLIF	Cardiometabolic	-0.008 (-0.479, 0.478)	2.3
CCDC80	Cardiometabolic	-0.013 (-0.286, 0.257)	2.1
CCL14	Cardiometabolic	-0.011 (-0.287, 0.257)	2.4
CCL15	Cardiometabolic	-0.017 (-0.264, 0.308)	1.1
CCL16	Cardiometabolic	-0.016 (-0.417, 0.322)	1.1
CCL18	Cardiometabolic	-0.013 (-0.472, 0.453)	3.0
CCL27	Cardiometabolic	-0.006 (-0.492, 0.431)	2.1
CCL5	Cardiometabolic	0.007 (-0.751, 0.753)	1.8
CCN3	Cardiometabolic	-0.012 (-0.259, 0.235)	1.2
CD14	Cardiometabolic	0.000 (-0.291, 0.300)	4.1
CD163	Cardiometabolic	-0.007 (-0.318, 0.315)	1.8
CD209	Cardiometabolic	0.001 (-0.275, 0.347)	1.7
CD2AP	Cardiometabolic	-0.018 (-0.485, 0.464)	2.1
CD46	Cardiometabolic	-0.004 (-0.195, 0.189)	2.8
CD55	Cardiometabolic	-0.001 (-0.175, 0.170)	5.4
CD59	Cardiometabolic	-0.010 (-0.167, 0.147)	6.2
CD69	Cardiometabolic	0.000 (-0.678, 0.612)	2.7
CD93	Cardiometabolic	-0.005 (-0.217, 0.206)	5.5
CDH1	Cardiometabolic	0.000 (-0.233, 0.237)	5.6
CDH17	Cardiometabolic	0.000 (-0.453, 0.519)	2.1
CDH2	Cardiometabolic	-0.010 (-0.298, 0.268)	2.1
CDH5	Cardiometabolic	-0.000 (-0.202, 0.229)	1.1
CDH6	Cardiometabolic	0.000 (-0.272, 0.277)	2.1
CDHR5	Cardiometabolic	0.000 (-0.299, 0.262)	2.1
CEACAM8	Cardiometabolic	-0.025 (-0.379, 0.316)	3.8
CEBPB	Cardiometabolic	0.012 (-0.167, 0.238)	3.8
CELA3A	Cardiometabolic	0.003 (-0.401, 0.407)	1.2
CEP43	Cardiometabolic	0.005 (-0.394, 0.513)	4.2
CES1	Cardiometabolic	-0.002 (-0.496, 0.591)	2.0
CGREF1	Cardiometabolic	-0.002 (-0.303, 0.303)	2.1
CHEK2	Cardiometabolic	0.498 (0.378, 0.618)	3.8
CHI3L1	Cardiometabolic	-0.029 (-0.521, 0.579)	4.1
CHIT1	Cardiometabolic	-0.012 (-0.692, 0.595)	2.0
CHL1	Cardiometabolic	0.002 (-0.184, 0.212)	1.8
CHRD12	Cardiometabolic	-0.006 (-0.383, 0.377)	2.1
CLC	Cardiometabolic	-0.029 (-0.457, 0.427)	2.1
CLEC1A	Cardiometabolic	-0.002 (-0.230, 0.223)	3.8
CLEC5A	Cardiometabolic	-0.012 (-0.227, 0.200)	2.5
CLTA	Cardiometabolic	0.030 (-0.182, 0.314)	3.8
CLUL1	Cardiometabolic	0.004 (-0.342, 0.348)	2.3
CNDP1	Cardiometabolic	0.008 (-0.322, 0.304)	1.8
CNPY2	Cardiometabolic	0.083 (-0.086, 0.306)	3.8
CNST	Cardiometabolic	-0.010 (-0.842, 0.766)	2.1
CNTN1	Cardiometabolic	0.001 (-0.211, 0.225)	1.1
COL18A1	Cardiometabolic	-0.011 (-0.182, 0.155)	2.0
COL1A1	Cardiometabolic	-0.004 (-0.184, 0.182)	1.1
COL4A1	Cardiometabolic	-0.013 (-0.302, 0.267)	2.1

COL6A3	Cardiometabolic	-0.019 (-0.261, 0.232)	1.1
COMP	Cardiometabolic	-0.005 (-0.268, 0.240)	3.0
COMT	Cardiometabolic	-0.013 (-0.669, 0.591)	4.6
CORO1A	Cardiometabolic	-0.019 (-0.574, 0.639)	4.4
CPA1	Cardiometabolic	0.005 (-0.406, 0.420)	1.1
CPB1	Cardiometabolic	-0.003 (-0.399, 0.405)	1.1
CR2	Cardiometabolic	0.000 (-0.337, 0.335)	1.8
CRHR1	Cardiometabolic	0.194 (0.033, 0.394)	3.8
CRTAC1	Cardiometabolic	-0.003 (-0.245, 0.220)	1.1
CRX	Cardiometabolic	0.428 (0.272, 0.637)	3.8
CST3	Cardiometabolic	-0.014 (-0.224, 0.195)	2.0
CST6	Cardiometabolic	-0.001 (-0.375, 0.353)	4.3
CSTB	Cardiometabolic	-0.025 (-0.336, 0.276)	3.4
CTF1	Cardiometabolic	0.000 (-0.540, 0.587)	3.8
CTSB	Cardiometabolic	0.001 (-0.358, 0.419)	2.1
CTSD	Cardiometabolic	-0.009 (-0.233, 0.265)	9.0
CTSH	Cardiometabolic	-0.017 (-0.504, 0.567)	3.9
CTSL	Cardiometabolic	-0.012 (-0.185, 0.162)	2.1
CTSZ	Cardiometabolic	-0.005 (-0.235, 0.226)	2.2
CXCL16	Cardiometabolic	-0.005 (-0.180, 0.168)	1.2
CXCL5	Cardiometabolic	0.017 (-0.834, 0.918)	2.5
DCN	Cardiometabolic	-0.010 (-0.173, 0.155)	3.8
DCTPP1	Cardiometabolic	-0.013 (-0.233, 0.201)	2.1
DDC	Cardiometabolic	0.000 (-0.327, 0.338)	2.3
DEFA1_DEFA1B	Cardiometabolic	-0.008 (-0.332, 0.324)	4.0
DIABLO	Cardiometabolic	-0.000 (-0.822, 0.798)	2.5
DKK3	Cardiometabolic	-0.006 (-0.227, 0.224)	1.1
DLK1	Cardiometabolic	0.000 (-0.441, 0.421)	1.1
DNAJB8	Cardiometabolic	0.115 (-0.003, 0.322)	3.8
DOK2	Cardiometabolic	-0.014 (-0.969, 0.900)	2.1
DPP4	Cardiometabolic	0.005 (-0.203, 0.215)	3.7
DPP7	Cardiometabolic	-0.009 (-0.410, 0.402)	2.5
DPT	Cardiometabolic	-0.008 (-0.234, 0.190)	1.1
DUOX2	Cardiometabolic	0.508 (0.384, 0.649)	3.8
EDIL3	Cardiometabolic	-0.006 (-0.264, 0.256)	3.8
EFEMP1	Cardiometabolic	-0.007 (-0.251, 0.236)	1.9
EGFR	Cardiometabolic	0.006 (-0.112, 0.122)	1.1
EIF4EBP1	Cardiometabolic	-0.018 (-0.474, 0.453)	2.1
ENG	Cardiometabolic	0.000 (-0.122, 0.125)	1.1
ENPP2	Cardiometabolic	0.001 (-0.234, 0.267)	1.1
ENTPD5	Cardiometabolic	0.001 (-0.154, 0.152)	3.8
ENTPD6	Cardiometabolic	-0.002 (-0.161, 0.142)	3.8
EPHB4	Cardiometabolic	-0.002 (-0.169, 0.163)	1.1
EPHX2	Cardiometabolic	0.298 (0.155, 0.490)	3.8
ESAM	Cardiometabolic	0.000 (-0.224, 0.232)	1.1
F7	Cardiometabolic	0.008 (-0.207, 0.222)	2.0
F9	Cardiometabolic	-0.001 (-0.141, 0.137)	2.0

FABP2	Cardiometabolic	-0.013 (-0.549, 0.588)	2.1
FABP4	Cardiometabolic	-0.016 (-0.501, 0.476)	1.1
FABP6	Cardiometabolic	0.000 (-0.330, 0.397)	3.8
FADD	Cardiometabolic	-0.015 (-0.589, 0.564)	2.1
FAM3C	Cardiometabolic	-0.010 (-0.227, 0.197)	2.3
FAP	Cardiometabolic	0.000 (-0.193, 0.199)	1.1
FAS	Cardiometabolic	-0.006 (-0.212, 0.194)	1.4
FBP1	Cardiometabolic	-0.001 (-0.396, 0.503)	2.1
FCGR2A	Cardiometabolic	-0.002 (-0.360, 0.254)	2.6
FCGR3B	Cardiometabolic	-0.001 (-0.367, 0.343)	2.1
FCN2	Cardiometabolic	0.000 (-0.297, 0.261)	2.6
FCRL1	Cardiometabolic	0.000 (-0.320, 0.318)	2.1
FETUB	Cardiometabolic	0.002 (-0.210, 0.215)	2.0
FUCA1	Cardiometabolic	-0.001 (-0.668, 0.487)	1.4
GAS6	Cardiometabolic	-0.000 (-0.190, 0.187)	1.7
GDF15	Cardiometabolic	-0.036 (-0.339, 0.300)	1.1
GDF2	Cardiometabolic	0.007 (-0.262, 0.297)	2.1
GGH	Cardiometabolic	-0.005 (-0.268, 0.250)	3.6
GH1	Cardiometabolic	0.000 (-1.425, 1.739)	2.3
GHRL	Cardiometabolic	0.026 (-0.620, 0.644)	2.1
GLO1	Cardiometabolic	-0.013 (-0.427, 0.409)	3.7
GLRX	Cardiometabolic	-0.013 (-0.417, 0.404)	2.7
GP1BA	Cardiometabolic	-0.002 (-0.228, 0.236)	2.8
GP2	Cardiometabolic	-0.004 (-0.533, 0.577)	5.2
GPNMB	Cardiometabolic	0.006 (-0.191, 0.210)	4.7
GPR37	Cardiometabolic	0.013 (-0.485, 0.471)	3.8
GRAP2	Cardiometabolic	-0.003 (-0.994, 0.897)	2.2
GRK5	Cardiometabolic	0.078 (-0.055, 0.293)	3.7
GSTA1	Cardiometabolic	-0.024 (-0.645, 0.677)	2.2
GUSB	Cardiometabolic	-0.011 (-0.493, 0.508)	1.6
GYS1	Cardiometabolic	-0.014 (-0.669, 0.670)	3.6
GZMH	Cardiometabolic	-0.005 (-0.507, 0.537)	3.9
HEBP1	Cardiometabolic	0.379 (0.203, 0.514)	3.8
HK2	Cardiometabolic	0.468 (0.357, 0.576)	3.8
HMOX1	Cardiometabolic	0.000 (-0.328, 0.349)	3.3
HNRNPK	Cardiometabolic	-0.017 (-0.492, 0.567)	4.2
HSPB1	Cardiometabolic	-0.002 (-0.556, 0.412)	3.5
HSPG2	Cardiometabolic	-0.002 (-0.179, 0.175)	3.1
HYAL1	Cardiometabolic	-0.003 (-0.161, 0.152)	2.5
HYOU1	Cardiometabolic	0.000 (-0.162, 0.162)	1.2
ICAM1	Cardiometabolic	-0.007 (-0.212, 0.203)	2.5
ICAM2	Cardiometabolic	0.000 (-0.245, 0.216)	1.1
ICAM3	Cardiometabolic	0.000 (-0.183, 0.182)	1.1
ICAM5	Cardiometabolic	-0.013 (-0.352, 0.298)	2.1
IGFBP1	Cardiometabolic	0.000 (-1.085, 1.038)	1.3
IGFBP2	Cardiometabolic	-0.004 (-0.590, 0.501)	1.3
IGFBP3	Cardiometabolic	0.005 (-0.201, 0.199)	1.8

IGFBP6	Cardiometabolic	-0.009 (-0.243, 0.215)	2.5
IGFBP7	Cardiometabolic	-0.012 (-0.208, 0.188)	1.1
IGFBPL1	Cardiometabolic	-0.001 (-0.245, 0.248)	2.3
IGSF8	Cardiometabolic	-0.013 (-0.229, 0.214)	2.2
IL18BP	Cardiometabolic	-0.005 (-0.217, 0.213)	1.8
IL19	Cardiometabolic	0.000 (-0.453, 0.550)	4.5
IL1RL1	Cardiometabolic	-0.010 (-0.371, 0.345)	1.5
IL2RA	Cardiometabolic	0.003 (-0.274, 0.298)	3.1
IL6R	Cardiometabolic	-0.003 (-0.288, 0.244)	2.6
IL6ST	Cardiometabolic	-0.001 (-0.130, 0.126)	2.2
IRAG2	Cardiometabolic	-0.029 (-0.506, 0.588)	3.8
ITGB1	Cardiometabolic	0.006 (-0.142, 0.164)	2.3
ITGB1BP2	Cardiometabolic	-0.004 (-0.811, 0.731)	3.7
ITGB2	Cardiometabolic	0.000 (-0.208, 0.219)	3.0
ITIH3	Cardiometabolic	-0.002 (-0.316, 0.272)	1.9
KIT	Cardiometabolic	0.009 (-0.211, 0.240)	2.0
KITLG	Cardiometabolic	-0.002 (-0.277, 0.261)	2.2
KYAT1	Cardiometabolic	-0.010 (-0.417, 0.399)	2.2
LACTB2	Cardiometabolic	-0.006 (-0.482, 0.487)	2.1
LBP	Cardiometabolic	-0.009 (-0.416, 0.384)	1.8
LCN2	Cardiometabolic	-0.013 (-0.270, 0.244)	5.2
LDLR	Cardiometabolic	0.002 (-0.419, 0.427)	1.7
LEP	Cardiometabolic	-0.001 (-0.938, 0.854)	2.1
LEPR	Cardiometabolic	0.000 (-0.213, 0.234)	2.2
LGALS1	Cardiometabolic	-0.012 (-0.256, 0.239)	2.1
LGALS3	Cardiometabolic	-0.007 (-0.223, 0.210)	2.2
LILRA5	Cardiometabolic	-0.005 (-0.264, 0.243)	2.3
LILRB1	Cardiometabolic	-0.001 (-0.215, 0.202)	1.1
LILRB2	Cardiometabolic	-0.003 (-0.272, 0.222)	1.7
LILRB5	Cardiometabolic	0.000 (-0.452, 0.435)	1.3
LPL	Cardiometabolic	0.011 (-0.405, 0.410)	2.3
LRP11	Cardiometabolic	0.001 (-0.255, 0.279)	2.3
LTBP2	Cardiometabolic	-0.010 (-0.288, 0.253)	1.2
MARCO	Cardiometabolic	-0.004 (-0.206, 0.188)	2.3
MB	Cardiometabolic	-0.019 (-0.416, 0.427)	1.3
MCAM	Cardiometabolic	0.002 (-0.240, 0.248)	1.9
MCFD2	Cardiometabolic	0.010 (-0.312, 0.345)	2.4
MEGF9	Cardiometabolic	0.000 (-0.142, 0.151)	1.5
MEP1B	Cardiometabolic	0.003 (-0.945, 0.689)	2.1
MET	Cardiometabolic	0.018 (-0.132, 0.179)	1.5
MFAP3	Cardiometabolic	0.090 (-0.070, 0.288)	3.9
MFAP5	Cardiometabolic	-0.013 (-0.331, 0.289)	1.1
MMP7	Cardiometabolic	-0.011 (-0.335, 0.288)	3.8
MNDA	Cardiometabolic	-0.065 (-0.684, 0.627)	2.3
MPHOSPH8	Cardiometabolic	-0.000 (-0.450, 0.548)	3.7
MSMB	Cardiometabolic	-0.011 (-0.561, 0.472)	2.8
MSTN	Cardiometabolic	0.000 (-0.423, 0.429)	3.8

MTPN	Cardiometabolic	0.419 (0.332, 0.512)	3.9
NADK	Cardiometabolic	-0.018 (-0.378, 0.349)	2.3
NCAM1	Cardiometabolic	0.000 (-0.224, 0.232)	1.8
NECTIN2	Cardiometabolic	-0.008 (-0.205, 0.200)	2.3
NID1	Cardiometabolic	-0.004 (-0.290, 0.282)	2.1
NOTCH1	Cardiometabolic	-0.000 (-0.111, 0.114)	1.2
NOTCH3	Cardiometabolic	-0.005 (-0.267, 0.250)	1.2
NPDC1	Cardiometabolic	-0.008 (-0.217, 0.207)	2.3
NPPB	Cardiometabolic	0.500 (0.069, 0.908)	3.7
NPTXR	Cardiometabolic	-0.001 (-0.227, 0.233)	2.1
NRCAM	Cardiometabolic	-0.004 (-0.203, 0.197)	2.2
NRP1	Cardiometabolic	-0.010 (-0.217, 0.181)	1.7
NTRK2	Cardiometabolic	0.000 (-0.189, 0.184)	2.1
NTproBNP	Cardiometabolic	-0.046 (-0.723, 0.698)	2.2
OLR1	Cardiometabolic	-0.015 (-0.405, 0.402)	2.8
OSMR	Cardiometabolic	-0.000 (-0.150, 0.150)	1.9
PAG1	Cardiometabolic	-0.010 (-0.389, 0.386)	3.9
PAM	Cardiometabolic	-0.002 (-0.192, 0.167)	1.7
PCDH17	Cardiometabolic	-0.004 (-0.247, 0.250)	2.3
PCSK9	Cardiometabolic	-0.004 (-0.304, 0.288)	1.2
PDCD6	Cardiometabolic	0.003 (-0.427, 0.274)	2.3
PDGFA	Cardiometabolic	0.001 (-0.555, 0.535)	1.1
PDGFRA	Cardiometabolic	-0.006 (-0.211, 0.195)	2.1
PDGFRB	Cardiometabolic	0.009 (-0.251, 0.278)	1.3
PEAR1	Cardiometabolic	-0.003 (-0.163, 0.159)	1.1
PGLYRP1	Cardiometabolic	-0.017 (-0.300, 0.266)	1.8
PI3	Cardiometabolic	-0.018 (-0.410, 0.385)	3.7
PILRB	Cardiometabolic	-0.013 (-0.439, 0.356)	2.3
PLA2G1B	Cardiometabolic	0.000 (-0.305, 0.307)	1.2
PLA2G2A	Cardiometabolic	-0.000 (-0.333, 0.385)	2.4
PLAT	Cardiometabolic	-0.022 (-0.454, 0.388)	1.4
PLIN3	Cardiometabolic	-0.017 (-0.314, 0.307)	2.1
PLPBP	Cardiometabolic	-0.012 (-0.513, 0.495)	2.2
PLTP	Cardiometabolic	0.006 (-0.275, 0.263)	1.6
PLXNB2	Cardiometabolic	-0.006 (-0.184, 0.176)	1.6
PLXNB3	Cardiometabolic	-0.005 (-0.343, 0.364)	2.5
PM20D1	Cardiometabolic	0.007 (-1.536, 1.021)	2.8
PON2	Cardiometabolic	0.006 (-0.202, 0.249)	3.7
PPIB	Cardiometabolic	0.018 (-0.742, 0.668)	2.5
PPP1R2	Cardiometabolic	-0.011 (-0.624, 0.601)	2.1
PRCP	Cardiometabolic	-0.002 (-0.240, 0.227)	1.5
PRKAR1A	Cardiometabolic	-0.004 (-0.637, 0.611)	2.2
PROC	Cardiometabolic	0.016 (-0.169, 0.210)	2.2
PRSS2	Cardiometabolic	-0.001 (-0.338, 0.337)	1.9
PRSS27	Cardiometabolic	0.002 (-0.273, 0.295)	2.5
PRTN3	Cardiometabolic	0.002 (-0.299, 0.297)	5.1
PTGDS	Cardiometabolic	-0.008 (-0.209, 0.195)	3.0

PTN	Cardiometabolic	-0.000 (-0.354, 0.359)	3.8
PTPRF	Cardiometabolic	0.000 (-0.227, 0.214)	1.2
PTPRS	Cardiometabolic	-0.000 (-0.181, 0.178)	1.2
QDPR	Cardiometabolic	-0.007 (-0.325, 0.305)	2.6
QPCT	Cardiometabolic	-0.011 (-0.191, 0.164)	2.0
RARRES2	Cardiometabolic	0.001 (-0.376, 0.374)	1.7
RCOR1	Cardiometabolic	0.123 (0.019, 0.238)	3.9
REG1A	Cardiometabolic	-0.006 (-0.304, 0.318)	2.6
REG1B	Cardiometabolic	-0.011 (-0.349, 0.356)	1.1
REG3A	Cardiometabolic	-0.006 (-0.413, 0.432)	1.2
REN	Cardiometabolic	-0.003 (-0.439, 0.412)	2.3
RETN	Cardiometabolic	-0.000 (-0.289, 0.285)	2.7
RNASE3	Cardiometabolic	-0.019 (-0.666, 0.696)	2.6
RNASET2	Cardiometabolic	-0.010 (-0.195, 0.179)	1.5
ROR1	Cardiometabolic	-0.001 (-0.236, 0.232)	2.1
S100A11	Cardiometabolic	-0.031 (-0.285, 0.248)	2.9
S100P	Cardiometabolic	-0.007 (-0.308, 0.305)	3.8
SCARF1	Cardiometabolic	-0.003 (-0.308, 0.315)	1.1
SDC1	Cardiometabolic	-0.009 (-0.279, 0.265)	2.1
SDC4	Cardiometabolic	0.003 (-0.338, 0.343)	2.2
SELE	Cardiometabolic	-0.001 (-0.394, 0.347)	1.2
SELP	Cardiometabolic	-0.004 (-0.392, 0.414)	1.8
SEMA3F	Cardiometabolic	-0.004 (-0.211, 0.202)	2.3
SEMA7A	Cardiometabolic	-0.003 (-0.190, 0.189)	1.5
SERPINA11	Cardiometabolic	0.000 (-0.360, 0.346)	1.2
SERPINA12	Cardiometabolic	0.000 (-0.546, 0.691)	4.8
SERPINB5	Cardiometabolic	0.207 (0.032, 0.393)	3.7
SERPINE1	Cardiometabolic	0.001 (-0.540, 0.494)	1.2
SFTPD	Cardiometabolic	-0.004 (-0.506, 0.505)	2.2
SIGLEC7	Cardiometabolic	-0.007 (-0.224, 0.202)	2.3
SIRPA	Cardiometabolic	-0.004 (-0.348, 0.386)	2.1
SLITRK6	Cardiometabolic	-0.003 (-0.230, 0.224)	3.8
SNAP23	Cardiometabolic	-0.001 (-0.671, 0.572)	2.3
SNX9	Cardiometabolic	-0.011 (-0.509, 0.502)	2.2
SOD1	Cardiometabolic	-0.007 (-0.334, 0.336)	4.1
SORT1	Cardiometabolic	-0.009 (-0.277, 0.272)	2.3
SOST	Cardiometabolic	0.000 (-0.307, 0.313)	2.5
SPARCL1	Cardiometabolic	0.000 (-0.200, 0.201)	2.3
SPON2	Cardiometabolic	-0.013 (-0.257, 0.237)	2.7
SPP1	Cardiometabolic	0.001 (-0.318, 0.322)	1.5
SSC4D	Cardiometabolic	-0.002 (-0.896, 1.051)	2.3
SSC5D	Cardiometabolic	0.006 (-0.330, 0.316)	2.0
ST6GAL1	Cardiometabolic	-0.001 (-0.211, 0.224)	1.3
STK11	Cardiometabolic	-0.012 (-0.536, 0.526)	3.8
STK4	Cardiometabolic	0.013 (-0.635, 0.651)	2.3
SUSD1	Cardiometabolic	-0.003 (-0.377, 0.334)	3.7
TCL1B	Cardiometabolic	0.544 (0.411, 0.675)	3.8

TCN2	Cardiometabolic	-0.001 (-0.208, 0.208)	1.4
TFF3	Cardiometabolic	-0.008 (-0.214, 0.222)	2.4
TFPI	Cardiometabolic	0.009 (-0.210, 0.219)	2.3
TFRC	Cardiometabolic	-0.004 (-0.277, 0.278)	2.0
TGFBI	Cardiometabolic	0.011 (-0.186, 0.206)	2.8
TGFBR3	Cardiometabolic	0.000 (-0.210, 0.204)	1.1
TGM2	Cardiometabolic	-0.013 (-0.518, 0.505)	2.4
THBD	Cardiometabolic	-0.001 (-0.204, 0.205)	2.1
THBS4	Cardiometabolic	-0.010 (-0.341, 0.321)	2.1
THOP1	Cardiometabolic	-0.011 (-0.225, 0.217)	2.7
THPO	Cardiometabolic	0.005 (-0.258, 0.294)	3.9
TIA1	Cardiometabolic	-0.004 (-0.877, 0.874)	4.6
TIE1	Cardiometabolic	0.001 (-0.195, 0.193)	1.2
TIMD4	Cardiometabolic	0.000 (-0.308, 0.323)	1.8
TIMP1	Cardiometabolic	-0.009 (-0.200, 0.195)	3.3
TINAGL1	Cardiometabolic	-0.005 (-0.172, 0.156)	2.3
TNC	Cardiometabolic	-0.003 (-0.339, 0.341)	1.9
TNF	Cardiometabolic	-0.012 (-0.227, 0.216)	3.8
TNFRSF10C	Cardiometabolic	-0.006 (-0.424, 0.315)	2.1
TNFSF13B	Cardiometabolic	-0.005 (-0.197, 0.191)	1.3
TNNI3	Cardiometabolic	0.795 (0.553, 1.071)	3.8
TP53INP1	Cardiometabolic	0.354 (0.304, 0.408)	3.9
TSHB	Cardiometabolic	0.011 (-0.453, 0.473)	2.2
TSLP	Cardiometabolic	0.218 (0.080, 0.392)	3.9
TSPAN1	Cardiometabolic	0.084 (-0.010, 0.255)	3.9
TYMP	Cardiometabolic	-0.013 (-0.499, 0.471)	2.8
TYRO3	Cardiometabolic	0.011 (-0.198, 0.237)	2.3
UMOD	Cardiometabolic	0.039 (-0.376, 0.385)	1.3
USP8	Cardiometabolic	-0.008 (-0.694, 0.701)	3.8
VAMP5	Cardiometabolic	0.005 (-0.208, 0.299)	3.8
VASN	Cardiometabolic	0.000 (-0.200, 0.194)	3.7
VCAM1	Cardiometabolic	-0.004 (-0.194, 0.187)	1.9
VIM	Cardiometabolic	1.199 (0.877, 1.492)	3.9
VSIR	Cardiometabolic	-0.019 (-0.394, 0.448)	2.2
VSTM2L	Cardiometabolic	0.223 (0.097, 0.373)	3.7
VWF	Cardiometabolic	-0.003 (-0.529, 0.505)	1.1
WASF1	Cardiometabolic	0.023 (-0.554, 0.755)	3.8
XG	Cardiometabolic	0.000 (-0.313, 0.321)	1.7
ZBTB17	Cardiometabolic	-0.003 (-0.234, 0.262)	3.9
AAMDC	Cardiometabolic II	-0.005 (-0.355, 0.353)	12.2
ABCA2	Cardiometabolic II	-0.001 (-0.211, 0.211)	12.6
ABRAXAS2	Cardiometabolic II	-0.001 (-0.352, 0.457)	12.6
ACADSB	Cardiometabolic II	0.001 (-0.535, 0.646)	9.7
ACSL1	Cardiometabolic II	0.285 (0.212, 0.370)	12.6
ACTN2	Cardiometabolic II	0.009 (-0.220, 0.384)	12.6
ACY3	Cardiometabolic II	-0.006 (-0.337, 0.338)	12.6
ADAMTSL2	Cardiometabolic II	-0.008 (-0.210, 0.207)	9.7

ADAMTSL4	Cardiometabolic II	0.007 (-0.147, 0.162)	12.2
ADAMTSL5	Cardiometabolic II	0.000 (-0.256, 0.245)	9.7
ADGRF5	Cardiometabolic II	-0.005 (-0.205, 0.189)	9.7
ADRA2A	Cardiometabolic II	0.313 (0.212, 0.455)	12.6
AHNAK	Cardiometabolic II	-0.010 (-0.223, 0.198)	12.2
AHNAK2	Cardiometabolic II	-0.001 (-0.178, 0.172)	12.2
AIF1L	Cardiometabolic II	-0.004 (-0.195, 0.271)	12.2
AMDHD2	Cardiometabolic II	0.184 (0.128, 0.238)	9.7
ANK2	Cardiometabolic II	0.241 (0.133, 0.391)	12.6
ANP32C	Cardiometabolic II	0.336 (0.262, 0.419)	12.2
ANXA2	Cardiometabolic II	-0.030 (-0.411, 0.401)	13.3
APOBR	Cardiometabolic II	0.000 (-0.282, 0.252)	12.2
ARL13B	Cardiometabolic II	0.010 (-0.266, 0.451)	12.6
ARL2BP	Cardiometabolic II	0.000 (-0.198, 0.271)	12.6
ARNTL	Cardiometabolic II	0.190 (0.128, 0.298)	12.6
ASAH1	Cardiometabolic II	-0.006 (-0.278, 0.280)	10.4
ASPN	Cardiometabolic II	0.046 (-0.081, 0.193)	9.7
ASRGL1	Cardiometabolic II	-0.005 (-0.728, 0.708)	12.2
ASS1	Cardiometabolic II	0.000 (-0.534, 0.569)	12.6
ATP1B1	Cardiometabolic II	0.303 (0.178, 0.418)	12.6
ATP1B2	Cardiometabolic II	0.541 (0.458, 0.621)	12.6
ATP1B3	Cardiometabolic II	0.422 (0.336, 0.510)	12.6
ATP2B4	Cardiometabolic II	0.222 (0.119, 0.372)	12.6
ATP5F1D	Cardiometabolic II	0.384 (0.279, 0.495)	12.6
ATP6V1G1	Cardiometabolic II	-0.006 (-0.481, 0.508)	12.2
ATP6V1G2	Cardiometabolic II	0.806 (0.616, 1.035)	12.6
B3GAT3	Cardiometabolic II	0.325 (0.264, 0.388)	12.6
B3GNT7	Cardiometabolic II	-0.006 (-0.271, 0.242)	12.2
BCAT1	Cardiometabolic II	0.004 (-0.176, 0.188)	9.7
BDNF	Cardiometabolic II	0.000 (-0.589, 0.549)	9.7
BECN1	Cardiometabolic II	-0.017 (-0.391, 0.400)	12.2
BGLAP	Cardiometabolic II	0.003 (-0.575, 0.574)	9.7
BHMT2	Cardiometabolic II	0.251 (0.172, 0.335)	12.6
BNIP2	Cardiometabolic II	0.187 (0.099, 0.276)	9.7
BOLA2_BOLA2B	Cardiometabolic II	-0.013 (-0.402, 0.343)	12.2
BPIFA2	Cardiometabolic II	0.000 (-0.716, 0.818)	15.3
BPIFB2	Cardiometabolic II	0.000 (-0.382, 0.514)	9.9
BRD3	Cardiometabolic II	0.310 (0.204, 0.416)	12.6
BRDT	Cardiometabolic II	0.121 (0.004, 0.263)	12.6
C1GALT1C1	Cardiometabolic II	0.376 (0.277, 0.460)	12.6
CACNA1H	Cardiometabolic II	0.313 (0.208, 0.438)	12.6
CALCOCO2	Cardiometabolic II	-0.015 (-0.537, 0.539)	12.2
CALY	Cardiometabolic II	0.467 (0.371, 0.567)	12.6
CASQ2	Cardiometabolic II	0.282 (0.202, 0.376)	12.6
CBS	Cardiometabolic II	0.299 (0.171, 0.428)	12.2
CBX2	Cardiometabolic II	0.369 (0.306, 0.432)	12.6
CCER2	Cardiometabolic II	-0.003 (-0.391, 0.404)	12.2

CD2	Cardiometabolic II	0.328 (0.244, 0.422)	12.6
CD248	Cardiometabolic II	0.007 (-0.282, 0.285)	9.7
CD80	Cardiometabolic II	-0.008 (-0.224, 0.223)	9.7
CDA	Cardiometabolic II	-0.016 (-0.334, 0.293)	9.8
CEACAM6	Cardiometabolic II	-0.010 (-0.251, 0.247)	9.7
CELA2A	Cardiometabolic II	0.000 (-0.400, 0.382)	9.7
CEP112	Cardiometabolic II	0.128 (0.049, 0.229)	12.6
CEP170	Cardiometabolic II	-0.018 (-0.491, 0.518)	12.2
CHGA	Cardiometabolic II	-0.004 (-0.389, 0.426)	9.7
CHMP6	Cardiometabolic II	-0.002 (-0.398, 0.404)	9.7
CILP	Cardiometabolic II	-0.019 (-0.359, 0.296)	9.7
CKB	Cardiometabolic II	0.001 (-0.501, 0.478)	9.7
CLEC4M	Cardiometabolic II	0.002 (-0.329, 0.397)	9.8
CMC1	Cardiometabolic II	-0.004 (-0.634, 0.649)	9.7
CNP	Cardiometabolic II	-0.020 (-0.574, 0.536)	12.3
COCH	Cardiometabolic II	-0.002 (-0.309, 0.311)	9.7
COL15A1	Cardiometabolic II	-0.006 (-0.191, 0.170)	9.7
COL2A1	Cardiometabolic II	0.002 (-0.526, 0.583)	12.2
COL3A1	Cardiometabolic II	0.001 (-0.147, 0.139)	9.7
COMMD1	Cardiometabolic II	-0.008 (-0.422, 0.430)	12.2
COPB2	Cardiometabolic II	0.901 (0.774, 1.005)	12.6
COQ7	Cardiometabolic II	0.003 (-0.199, 0.250)	12.2
COX6B1	Cardiometabolic II	0.190 (0.095, 0.286)	9.7
CPQ	Cardiometabolic II	0.000 (-0.220, 0.228)	9.7
CPTP	Cardiometabolic II	0.369 (0.300, 0.455)	12.6
CPXM2	Cardiometabolic II	-0.006 (-0.175, 0.157)	9.7
CRYBB1	Cardiometabolic II	-0.007 (-0.459, 0.473)	9.7
CRYZL1	Cardiometabolic II	-0.008 (-0.662, 0.636)	12.2
CSDE1	Cardiometabolic II	0.000 (-0.407, 0.667)	12.6
CSF2	Cardiometabolic II	0.041 (-0.107, 0.220)	12.6
CSPG4	Cardiometabolic II	0.005 (-0.236, 0.238)	9.7
CSRP3	Cardiometabolic II	0.009 (-0.279, 0.575)	12.6
CTHRC1	Cardiometabolic II	-0.011 (-0.226, 0.191)	9.7
CTLA4	Cardiometabolic II	0.365 (0.287, 0.449)	9.7
CYP24A1	Cardiometabolic II	0.269 (0.155, 0.466)	12.6
CYTL1	Cardiometabolic II	-0.006 (-0.165, 0.147)	9.7
DDA1	Cardiometabolic II	0.262 (0.168, 0.361)	12.6
DDT	Cardiometabolic II	-0.005 (-0.266, 0.273)	9.7
DENND2B	Cardiometabolic II	0.223 (0.141, 0.310)	12.6
DHODH	Cardiometabolic II	0.493 (0.392, 0.598)	12.6
DLL4	Cardiometabolic II	0.306 (0.189, 0.421)	12.2
DMD	Cardiometabolic II	-0.015 (-0.258, 0.277)	12.2
DMP1	Cardiometabolic II	0.011 (-0.366, 0.373)	12.2
DNAJC6	Cardiometabolic II	-0.011 (-0.582, 0.581)	12.2
DTYMK	Cardiometabolic II	-0.015 (-0.486, 0.459)	9.7
ECHDC3	Cardiometabolic II	-0.002 (-0.356, 0.477)	9.7
ECHS1	Cardiometabolic II	-0.007 (-0.660, 0.665)	12.2

ECI2	Cardiometabolic II	0.000 (-0.229, 0.387)	12.6
EDEM2	Cardiometabolic II	0.303 (0.219, 0.386)	12.6
EDN1	Cardiometabolic II	-0.003 (-0.203, 0.184)	12.2
EEF1D	Cardiometabolic II	-0.016 (-0.658, 0.637)	9.7
EHBP1	Cardiometabolic II	-0.007 (-0.529, 0.545)	9.7
EHD3	Cardiometabolic II	0.000 (-0.804, 0.741)	12.2
EIF2AK3	Cardiometabolic II	0.204 (0.023, 0.408)	12.6
EIF2S2	Cardiometabolic II	0.365 (0.275, 0.475)	12.2
EIF5	Cardiometabolic II	0.251 (0.148, 0.360)	12.6
ELN	Cardiometabolic II	-0.007 (-0.344, 0.302)	9.7
ELOB	Cardiometabolic II	0.050 (-0.064, 0.219)	12.6
ENO3	Cardiometabolic II	0.003 (-0.335, 0.431)	12.2
ENOX2	Cardiometabolic II	0.201 (0.120, 0.284)	12.6
ENPEP	Cardiometabolic II	0.320 (0.248, 0.401)	12.6
ENPP6	Cardiometabolic II	0.013 (-0.244, 0.279)	12.2
ENTR1	Cardiometabolic II	-0.012 (-0.327, 0.361)	12.2
EPPK1	Cardiometabolic II	-0.016 (-0.448, 0.452)	12.2
ERVV-1	Cardiometabolic II	0.394 (0.278, 0.526)	12.6
EXOSC10	Cardiometabolic II	0.218 (0.133, 0.344)	12.6
EXTL1	Cardiometabolic II	0.004 (-0.193, 0.245)	12.6
FABP3	Cardiometabolic II	-0.018 (-0.358, 0.343)	9.7
FAM172A	Cardiometabolic II	-0.004 (-0.432, 0.429)	12.2
FAM20A	Cardiometabolic II	-0.011 (-0.215, 0.190)	9.7
FBLN2	Cardiometabolic II	-0.004 (-0.212, 0.197)	9.7
FCAMR	Cardiometabolic II	-0.004 (-0.539, 0.546)	9.7
FDX1	Cardiometabolic II	0.335 (0.202, 0.497)	12.6
FDX2	Cardiometabolic II	0.584 (0.433, 0.726)	12.6
FGFBP2	Cardiometabolic II	0.000 (-0.315, 0.351)	9.7
FHIP2A	Cardiometabolic II	0.371 (0.240, 0.501)	12.6
FRMD4B	Cardiometabolic II	0.270 (0.086, 0.507)	12.6
FSHB	Cardiometabolic II	0.209 (0.030, 1.457)	12.2
FSTL1	Cardiometabolic II	-0.006 (-0.151, 0.134)	12.2
GADD45GIP1	Cardiometabolic II	-0.005 (-0.313, 0.371)	12.2
GALNT5	Cardiometabolic II	0.001 (-0.157, 0.172)	9.7
GAMT	Cardiometabolic II	0.386 (0.324, 0.457)	12.6
GASK1A	Cardiometabolic II	0.028 (-0.167, 0.281)	12.6
GATD3	Cardiometabolic II	0.002 (-0.497, 0.548)	12.2
GBP6	Cardiometabolic II	0.431 (0.335, 0.531)	12.6
GCLM	Cardiometabolic II	0.001 (-0.213, 0.253)	12.6
GET3	Cardiometabolic II	-0.001 (-0.229, 0.311)	9.7
GGACT	Cardiometabolic II	-0.008 (-0.495, 0.506)	9.7
GGCT	Cardiometabolic II	-0.003 (-0.316, 0.325)	9.8
GIP	Cardiometabolic II	0.001 (-0.215, 0.376)	12.2
GM2A	Cardiometabolic II	-0.009 (-0.242, 0.222)	11.4
GMFG	Cardiometabolic II	-0.007 (-0.538, 0.501)	9.6
GNPDA1	Cardiometabolic II	0.001 (-0.118, 0.162)	12.1
GOT1	Cardiometabolic II	-0.001 (-0.256, 0.253)	9.6

GP1BB	Cardiometabolic II	-0.000 (-0.440, 0.476)	12.6
GRHPR	Cardiometabolic II	0.001 (-0.437, 0.432)	9.7
GRP	Cardiometabolic II	-0.002 (-0.337, 0.339)	12.0
GSTM4	Cardiometabolic II	0.263 (0.128, 0.433)	12.5
GUK1	Cardiometabolic II	0.589 (0.499, 0.696)	12.4
HADH	Cardiometabolic II	0.429 (0.338, 0.536)	12.4
HBZ	Cardiometabolic II	0.039 (-0.754, 0.844)	9.9
HCG22	Cardiometabolic II	0.541 (0.442, 0.630)	12.4
HEPH	Cardiometabolic II	-0.013 (-0.181, 0.156)	9.7
HIP1	Cardiometabolic II	0.139 (0.058, 0.225)	12.5
HMGCL	Cardiometabolic II	0.026 (-0.189, 0.328)	12.2
HMGCS1	Cardiometabolic II	0.299 (0.199, 0.400)	12.6
HPSE	Cardiometabolic II	0.011 (-0.623, 0.611)	10.6
HRC	Cardiometabolic II	-0.000 (-0.186, 0.191)	12.1
HS1BP3	Cardiometabolic II	-0.007 (-0.630, 0.621)	12.0
HSBP1	Cardiometabolic II	0.006 (-0.671, 0.688)	12.0
HSD17B3	Cardiometabolic II	0.254 (0.122, 0.418)	12.6
HSDL2	Cardiometabolic II	0.005 (-0.312, 0.346)	12.1
IDO1	Cardiometabolic II	0.003 (-0.357, 0.385)	12.0
IFNW1	Cardiometabolic II	0.152 (0.073, 0.248)	12.6
IGDCC4	Cardiometabolic II	0.000 (-0.175, 0.187)	9.6
IGF2BP3	Cardiometabolic II	0.400 (0.291, 0.491)	12.4
IGHMBP2	Cardiometabolic II	0.170 (0.023, 0.362)	12.5
IGSF21	Cardiometabolic II	-0.003 (-0.226, 0.231)	12.0
IGSF9	Cardiometabolic II	-0.013 (-0.635, 0.651)	9.7
INPP5D	Cardiometabolic II	-0.027 (-0.393, 0.359)	12.1
ISM2	Cardiometabolic II	0.305 (0.186, 0.418)	9.8
ITGBL1	Cardiometabolic II	0.009 (-0.213, 0.229)	9.7
ITPA	Cardiometabolic II	0.233 (0.087, 0.499)	12.6
ITPR1	Cardiometabolic II	0.021 (-0.342, 0.437)	12.2
KHK	Cardiometabolic II	-0.004 (-0.460, 0.425)	12.1
KIF1C	Cardiometabolic II	0.001 (-0.153, 0.173)	12.6
KIF22	Cardiometabolic II	-0.006 (-0.923, 0.817)	12.4
KLK3	Cardiometabolic II	0.098 (-0.119, 1.686)	9.6
KRT17	Cardiometabolic II	0.456 (0.345, 0.542)	12.4
KRT6C	Cardiometabolic II	0.763 (0.663, 0.869)	12.6
L3HYPDH	Cardiometabolic II	0.005 (-0.570, 0.635)	9.7
LAMA1	Cardiometabolic II	0.647 (0.576, 0.730)	12.4
LAMB1	Cardiometabolic II	-0.001 (-0.200, 0.192)	12.1
LAMP1	Cardiometabolic II	0.003 (-0.128, 0.140)	12.0
LCP1	Cardiometabolic II	-0.001 (-0.262, 0.344)	9.6
LECT2	Cardiometabolic II	-0.017 (-0.540, 0.475)	9.6
LILRA3	Cardiometabolic II	0.018 (-0.447, 0.346)	9.8
LILRA4	Cardiometabolic II	0.508 (0.404, 0.627)	12.4
LILRA6	Cardiometabolic II	0.000 (-0.581, 0.479)	9.6
LIPF	Cardiometabolic II	-0.002 (-0.361, 0.366)	12.1
LONP1	Cardiometabolic II	-0.010 (-0.607, 0.617)	12.1

LPP	Cardiometabolic II	0.162 (-0.055, 0.461)	12.6
LRCH4	Cardiometabolic II	0.000 (-0.438, 0.468)	12.6
LRRC59	Cardiometabolic II	0.051 (-0.092, 0.308)	9.7
M6PR	Cardiometabolic II	0.013 (-0.084, 0.188)	12.0
MAMDC2	Cardiometabolic II	-0.009 (-0.235, 0.227)	9.7
MAN1A2	Cardiometabolic II	0.004 (-0.186, 0.183)	12.0
MAN2B2	Cardiometabolic II	-0.002 (-0.433, 0.401)	9.9
MANSC4	Cardiometabolic II	0.408 (0.233, 0.601)	12.6
MAP1LC3B2	Cardiometabolic II	0.454 (0.393, 0.545)	12.5
MECR	Cardiometabolic II	-0.009 (-0.630, 0.624)	12.1
MED21	Cardiometabolic II	0.525 (0.423, 0.617)	12.4
MEGF11	Cardiometabolic II	0.060 (-0.033, 0.166)	12.4
MELTF	Cardiometabolic II	0.003 (-0.186, 0.194)	9.8
MMP15	Cardiometabolic II	0.204 (0.154, 0.270)	9.7
MMUT	Cardiometabolic II	0.740 (0.591, 0.880)	12.6
MRPL24	Cardiometabolic II	0.319 (0.229, 0.426)	12.5
MTR	Cardiometabolic II	0.508 (0.376, 0.647)	12.5
MUC2	Cardiometabolic II	0.013 (-0.613, 0.655)	9.8
MYBPC1	Cardiometabolic II	-0.008 (-0.401, 0.510)	9.8
MYBPC2	Cardiometabolic II	0.002 (-0.218, 0.496)	12.1
MYDGF	Cardiometabolic II	0.017 (-0.710, 0.684)	9.9
MYH4	Cardiometabolic II	0.366 (0.277, 0.472)	12.6
MYH9	Cardiometabolic II	0.014 (-0.779, 0.756)	9.8
MYL1	Cardiometabolic II	0.202 (0.112, 0.288)	12.6
MYL3	Cardiometabolic II	0.012 (-0.474, 0.553)	12.2
MYL4	Cardiometabolic II	0.082 (-0.061, 0.357)	12.2
MYOM2	Cardiometabolic II	0.325 (0.227, 0.460)	12.5
NAA10	Cardiometabolic II	0.312 (0.153, 0.483)	12.6
NAGK	Cardiometabolic II	-0.008 (-0.368, 0.363)	12.2
NEB	Cardiometabolic II	0.102 (0.001, 0.225)	12.6
NECAP2	Cardiometabolic II	0.000 (-0.339, 0.419)	12.6
NFE2	Cardiometabolic II	-0.003 (-0.496, 0.493)	12.1
NFKB1	Cardiometabolic II	0.000 (-0.493, 0.490)	12.5
NFX1	Cardiometabolic II	-0.004 (-0.361, 0.445)	12.6
NFYA	Cardiometabolic II	0.020 (-0.111, 0.212)	12.4
NGFR	Cardiometabolic II	0.224 (0.136, 0.325)	9.7
NIT1	Cardiometabolic II	-0.008 (-0.368, 0.281)	12.0
NIT2	Cardiometabolic II	0.007 (-0.516, 0.504)	10.2
NOP56	Cardiometabolic II	0.044 (-0.144, 0.525)	12.5
NOS2	Cardiometabolic II	0.164 (0.037, 0.296)	12.5
NOTCH2	Cardiometabolic II	0.002 (-0.120, 0.140)	9.6
NPC2	Cardiometabolic II	-0.015 (-0.212, 0.183)	10.7
NPL	Cardiometabolic II	-0.011 (-0.334, 0.312)	12.2
NPR1	Cardiometabolic II	0.497 (0.420, 0.598)	12.5
NPTX2	Cardiometabolic II	-0.008 (-0.276, 0.260)	9.6
NT5C	Cardiometabolic II	-0.005 (-0.472, 0.464)	9.7
NUDT10	Cardiometabolic II	0.409 (0.341, 0.481)	12.2

NUDT15	Cardiometabolic II	0.181 (0.064, 0.317)	12.5
NUP50	Cardiometabolic II	0.203 (0.140, 0.285)	12.6
NXPE4	Cardiometabolic II	0.223 (0.135, 0.303)	12.5
OPLAH	Cardiometabolic II	-0.007 (-0.451, 0.454)	12.0
OXCT1	Cardiometabolic II	-0.006 (-0.455, 0.468)	12.0
PACS2	Cardiometabolic II	0.001 (-0.313, 0.422)	12.5
PAGR1	Cardiometabolic II	0.000 (-0.230, 0.253)	12.2
PALM3	Cardiometabolic II	0.430 (0.318, 0.537)	12.4
PDAP1	Cardiometabolic II	-0.004 (-0.702, 0.659)	9.6
PDE4D	Cardiometabolic II	0.182 (0.093, 0.326)	12.5
PDIA4	Cardiometabolic II	0.034 (-0.291, 0.456)	9.8
PDZD2	Cardiometabolic II	0.016 (-0.197, 0.366)	12.6
PECR	Cardiometabolic II	0.249 (0.198, 0.308)	12.1
PGD	Cardiometabolic II	-0.017 (-0.367, 0.344)	9.6
PGLYRP4	Cardiometabolic II	0.148 (0.025, 0.351)	12.6
PKD1	Cardiometabolic II	-0.001 (-0.201, 0.190)	9.9
PKD2	Cardiometabolic II	-0.015 (-0.354, 0.368)	12.4
PMCH	Cardiometabolic II	0.075 (-0.022, 0.307)	12.6
PMM2	Cardiometabolic II	0.132 (-0.137, 0.408)	12.6
PNMA1	Cardiometabolic II	0.037 (-0.171, 0.381)	12.2
POMC	Cardiometabolic II	0.000 (-0.432, 0.455)	12.1
POSTN	Cardiometabolic II	0.000 (-0.258, 0.253)	9.7
PPIF	Cardiometabolic II	0.097 (-0.063, 0.361)	9.8
PPM1F	Cardiometabolic II	-0.002 (-0.378, 0.375)	9.6
PRAP1	Cardiometabolic II	-0.002 (-0.342, 0.295)	9.7
PRG2	Cardiometabolic II	0.003 (-0.337, 0.350)	9.7
PRG3	Cardiometabolic II	0.000 (-0.312, 0.342)	9.7
PRKD2	Cardiometabolic II	0.110 (0.018, 0.241)	12.5
PROCR	Cardiometabolic II	0.324 (0.233, 0.416)	12.4
PRRT3	Cardiometabolic II	0.000 (-0.250, 0.256)	12.0
PSAP	Cardiometabolic II	-0.003 (-0.186, 0.185)	10.3
PTGR1	Cardiometabolic II	-0.030 (-0.577, 0.543)	9.8
PTPRB	Cardiometabolic II	0.000 (-0.205, 0.202)	9.7
PTPRC	Cardiometabolic II	0.008 (-0.139, 0.156)	9.6
PTPRZ1	Cardiometabolic II	0.010 (-0.233, 0.267)	9.8
PYDC1	Cardiometabolic II	-0.006 (-0.235, 0.247)	12.2
PYY	Cardiometabolic II	-0.006 (-0.593, 0.708)	12.5
RAB10	Cardiometabolic II	-0.002 (-0.327, 0.377)	9.7
RAB11FIP3	Cardiometabolic II	-0.006 (-0.787, 0.728)	9.7
RAB27B	Cardiometabolic II	-0.004 (-0.640, 0.479)	9.7
RAB33A	Cardiometabolic II	0.034 (-0.208, 0.474)	12.5
RAB39B	Cardiometabolic II	0.097 (-0.046, 0.388)	12.6
RANBP1	Cardiometabolic II	0.004 (-0.333, 0.368)	12.2
RBM19	Cardiometabolic II	0.719 (0.616, 0.818)	12.6
RBPM52	Cardiometabolic II	-0.008 (-0.694, 0.678)	12.1
RECK	Cardiometabolic II	0.004 (-0.139, 0.148)	12.1
REXO2	Cardiometabolic II	0.271 (0.179, 0.404)	12.5

RILPL2	Cardiometabolic II	0.016 (-0.685, 0.645)	9.9
RIPK4	Cardiometabolic II	0.197 (0.107, 0.350)	12.5
RNASE10	Cardiometabolic II	-0.002 (-0.303, 0.292)	12.0
RNF149	Cardiometabolic II	0.001 (-0.196, 0.217)	12.1
RNF5	Cardiometabolic II	-0.006 (-0.538, 0.420)	12.0
ROBO4	Cardiometabolic II	0.000 (-0.123, 0.117)	12.0
RPL14	Cardiometabolic II	0.096 (-0.043, 0.249)	12.2
RPS10	Cardiometabolic II	0.369 (0.254, 0.490)	12.6
RTKN2	Cardiometabolic II	0.443 (0.344, 0.559)	12.5
RYR1	Cardiometabolic II	0.381 (0.314, 0.466)	12.5
SARG	Cardiometabolic II	-0.000 (-0.771, 0.697)	10.2
SART1	Cardiometabolic II	0.057 (-0.053, 0.193)	12.6
SAT1	Cardiometabolic II	0.336 (0.248, 0.447)	12.5
SBSN	Cardiometabolic II	-0.000 (-0.228, 0.231)	9.7
SCGB2A2	Cardiometabolic II	0.351 (0.274, 0.426)	12.5
SCN4B	Cardiometabolic II	0.000 (-0.280, 0.279)	12.1
SCPEP1	Cardiometabolic II	-0.005 (-0.317, 0.334)	12.4
SCRG1	Cardiometabolic II	-0.001 (-0.204, 0.192)	9.8
SCRIB	Cardiometabolic II	-0.025 (-0.418, 0.509)	12.0
SEC31A	Cardiometabolic II	-0.003 (-0.561, 0.492)	12.2
SEL1L	Cardiometabolic II	-0.008 (-0.160, 0.152)	11.9
SERPINE2	Cardiometabolic II	0.000 (-0.385, 0.451)	9.8
SGSH	Cardiometabolic II	-0.007 (-0.341, 0.323)	11.0
SHD	Cardiometabolic II	0.178 (0.062, 0.441)	12.7
SHISA5	Cardiometabolic II	-0.011 (-0.176, 0.155)	9.6
SIGLEC8	Cardiometabolic II	-0.004 (-0.312, 0.296)	12.0
SIL1	Cardiometabolic II	0.056 (0.001, 0.137)	12.0
SKIV2L	Cardiometabolic II	0.454 (0.359, 0.542)	12.5
SLC12A2	Cardiometabolic II	0.467 (0.386, 0.540)	12.5
SLC4A1	Cardiometabolic II	0.097 (-0.039, 0.340)	9.8
SLC51B	Cardiometabolic II	0.000 (-0.386, 0.540)	12.5
SLURP1	Cardiometabolic II	-0.002 (-0.214, 0.209)	10.2
SNED1	Cardiometabolic II	-0.004 (-0.200, 0.187)	12.1
SNU13	Cardiometabolic II	0.275 (0.186, 0.396)	12.5
SNX5	Cardiometabolic II	0.157 (0.090, 0.250)	12.0
SPESP1	Cardiometabolic II	0.099 (0.017, 0.213)	9.7
SPINK8	Cardiometabolic II	0.218 (0.129, 0.311)	12.4
SRPX	Cardiometabolic II	0.015 (-0.160, 0.244)	9.7
STAB2	Cardiometabolic II	-0.000 (-0.192, 0.197)	9.7
SYTL4	Cardiometabolic II	0.050 (-0.212, 0.525)	9.8
TALDO1	Cardiometabolic II	-0.015 (-0.316, 0.293)	9.9
TCOF1	Cardiometabolic II	0.007 (-0.137, 0.174)	9.8
TCTN3	Cardiometabolic II	0.000 (-0.207, 0.210)	9.7
TEF	Cardiometabolic II	0.208 (0.068, 0.336)	12.4
THRAP3	Cardiometabolic II	0.136 (0.011, 0.522)	12.6
TIMM10	Cardiometabolic II	-0.001 (-0.186, 0.284)	9.7
TIMP2	Cardiometabolic II	-0.004 (-0.148, 0.124)	9.6

TMED10	Cardiometabolic II	0.398 (0.327, 0.479)	12.6
TMED4	Cardiometabolic II	0.610 (0.499, 0.727)	12.5
TMEM132A	Cardiometabolic II	0.000 (-0.350, 0.373)	12.1
TNFSF8	Cardiometabolic II	0.000 (-0.238, 0.229)	9.7
TNN	Cardiometabolic II	0.006 (-0.295, 0.340)	9.7
TOMM20	Cardiometabolic II	-0.005 (-0.508, 0.580)	9.8
TOR1AIP1	Cardiometabolic II	0.013 (-0.194, 0.300)	12.1
TPK1	Cardiometabolic II	0.005 (-0.179, 0.200)	9.9
TPM3	Cardiometabolic II	0.377 (0.268, 0.490)	12.5
TPR	Cardiometabolic II	0.000 (-0.221, 0.260)	12.6
TRAF3IP2	Cardiometabolic II	0.345 (0.256, 0.433)	12.5
TREH	Cardiometabolic II	0.000 (-0.529, 0.494)	9.6
TRPV3	Cardiometabolic II	0.619 (0.495, 0.720)	12.6
TSNAX	Cardiometabolic II	0.246 (0.124, 0.383)	12.5
TSPAN15	Cardiometabolic II	0.253 (0.146, 0.405)	12.6
TTN	Cardiometabolic II	0.383 (0.266, 0.539)	12.5
TWF2	Cardiometabolic II	0.020 (-0.562, 0.584)	9.7
UBE2L6	Cardiometabolic II	-0.010 (-0.417, 0.430)	9.8
UBQLN3	Cardiometabolic II	0.305 (0.211, 0.406)	12.5
UGDH	Cardiometabolic II	0.332 (0.213, 0.501)	12.6
UHRF2	Cardiometabolic II	0.269 (0.191, 0.358)	12.4
UPB1	Cardiometabolic II	0.010 (-0.579, 0.675)	9.9
USP47	Cardiometabolic II	0.157 (-0.042, 0.496)	12.5
VIPR1	Cardiometabolic II	0.616 (0.532, 0.707)	12.0
VIT	Cardiometabolic II	-0.011 (-0.296, 0.263)	9.6
VSIG10L	Cardiometabolic II	0.446 (0.332, 0.558)	12.5
YOD1	Cardiometabolic II	-0.007 (-0.439, 0.409)	12.5
ZCCHC8	Cardiometabolic II	0.676 (0.548, 0.807)	12.5
ZP3	Cardiometabolic II	0.060 (-4.133, 0.907)	12.2
ACTN4	Inflammation	0.260 (0.196, 0.340)	3.4
ADA	Inflammation	-0.006 (-0.228, 0.236)	0.9
ADAM23	Inflammation	0.000 (-0.246, 0.220)	0.9
ADGRE2	Inflammation	-0.006 (-0.213, 0.204)	1.5
AGER	Inflammation	0.000 (-0.299, 0.312)	2.3
AGRN	Inflammation	-0.012 (-0.241, 0.226)	1.5
AGRP	Inflammation	0.009 (-0.412, 0.359)	0.9
ALDH3A1	Inflammation	-0.011 (-0.398, 0.424)	2.2
AMBN	Inflammation	0.002 (-0.150, 0.158)	3.4
AMN	Inflammation	0.042 (-0.171, 0.327)	3.4
ANGPT1	Inflammation	0.002 (-0.647, 0.627)	2.5
ANGPTL2	Inflammation	-0.003 (-0.303, 0.289)	1.9
ANGPTL4	Inflammation	-0.016 (-0.360, 0.317)	1.7
ANXA11	Inflammation	0.000 (-0.519, 0.379)	2.0
AOC1	Inflammation	0.538 (0.413, 0.645)	3.4
ARHGEF12	Inflammation	-0.005 (-0.820, 0.766)	2.0
ARNT	Inflammation	0.490 (0.425, 0.581)	3.4
ARTN	Inflammation	0.341 (0.234, 0.447)	3.4

ATP5IF1	Inflammation	0.000 (-0.881, 0.819)	1.5
AXIN1	Inflammation	-0.009 (-0.771, 0.702)	2.0
B4GALT1	Inflammation	-0.004 (-0.196, 0.186)	1.5
BACH1	Inflammation	-0.018 (-0.548, 0.538)	2.0
BANK1	Inflammation	-0.005 (-0.852, 0.738)	2.0
BCL2L11	Inflammation	-0.004 (-0.284, 0.243)	2.0
BCR	Inflammation	-0.014 (-0.728, 0.669)	2.0
BID	Inflammation	-0.018 (-0.480, 0.473)	2.0
BSG	Inflammation	-0.001 (-0.135, 0.131)	1.0
BTN2A1	Inflammation	-0.004 (-0.181, 0.173)	1.5
BTN3A2	Inflammation	-0.007 (-0.254, 0.225)	2.0
C1QA	Inflammation	-0.001 (-0.164, 0.156)	1.2
CASP2	Inflammation	-0.003 (-0.489, 0.516)	2.0
CCL11	Inflammation	-0.012 (-0.312, 0.276)	0.9
CCL13	Inflammation	-0.004 (-0.518, 0.513)	1.1
CCL17	Inflammation	-0.005 (-0.694, 0.680)	2.2
CCL20	Inflammation	-0.029 (-0.517, 0.548)	0.9
CCL21	Inflammation	-0.009 (-0.268, 0.247)	1.5
CCL22	Inflammation	-0.012 (-0.369, 0.366)	2.9
CCL23	Inflammation	-0.006 (-0.309, 0.293)	1.5
CCL24	Inflammation	0.000 (-0.641, 0.708)	1.7
CCL25	Inflammation	-0.000 (-0.383, 0.369)	0.9
CCL26	Inflammation	-0.005 (-0.543, 0.530)	2.0
CCL28	Inflammation	0.000 (-0.370, 0.444)	2.3
CCL3	Inflammation	-0.019 (-0.341, 0.321)	2.0
CCL4	Inflammation	-0.006 (-0.375, 0.368)	1.9
CCL7	Inflammation	-0.016 (-0.388, 0.386)	2.0
CCN2	Inflammation	0.001 (-0.449, 0.459)	1.9
CD160	Inflammation	-0.000 (-0.318, 0.312)	0.9
CD200	Inflammation	-0.002 (-0.195, 0.189)	2.0
CD200R1	Inflammation	0.000 (-0.218, 0.229)	2.3
CD22	Inflammation	0.000 (-0.296, 0.299)	0.9
CD244	Inflammation	-0.003 (-0.185, 0.188)	0.9
CD276	Inflammation	-0.004 (-0.252, 0.211)	2.0
CD4	Inflammation	-0.006 (-0.209, 0.196)	2.1
CD40	Inflammation	-0.011 (-0.336, 0.369)	2.0
CD40LG	Inflammation	0.005 (-0.594, 0.596)	0.9
CD48	Inflammation	-0.004 (-0.213, 0.196)	1.7
CD58	Inflammation	-0.000 (-0.126, 0.122)	2.2
CD6	Inflammation	-0.004 (-0.398, 0.403)	1.0
CD70	Inflammation	0.000 (-0.346, 0.314)	2.0
CD79B	Inflammation	-0.007 (-0.304, 0.299)	0.9
CD83	Inflammation	-0.008 (-0.250, 0.243)	2.0
CD84	Inflammation	0.000 (-0.237, 0.230)	2.0
CDON	Inflammation	0.000 (-0.188, 0.189)	1.9
CDSN	Inflammation	-0.002 (-0.320, 0.304)	1.1
CEACAM21	Inflammation	-0.010 (-0.467, 0.988)	2.0

CEP164	Inflammation	0.528 (0.398, 0.661)	3.4
CHRD1	Inflammation	-0.007 (-0.259, 0.235)	1.7
CKAP4	Inflammation	-0.007 (-0.180, 0.175)	1.3
CKMT1A_CKMT1	Inflammation	0.002 (-0.375, 0.363)	2.4
CLEC4A	Inflammation	0.003 (-0.238, 0.244)	2.0
CLEC4C	Inflammation	0.000 (-0.343, 0.333)	2.0
CLEC4D	Inflammation	-0.034 (-0.494, 0.424)	2.0
CLEC4G	Inflammation	0.000 (-0.251, 0.241)	2.0
CLEC7A	Inflammation	-0.007 (-0.340, 0.261)	0.9
CLIP2	Inflammation	-0.004 (-0.889, 0.825)	2.0
CLSTN2	Inflammation	-0.006 (-0.249, 0.230)	0.9
CNTNAP2	Inflammation	-0.009 (-0.315, 0.289)	2.0
COL9A1	Inflammation	-0.001 (-0.301, 0.320)	2.0
COLEC12	Inflammation	-0.010 (-0.214, 0.190)	2.0
CRELD2	Inflammation	-0.010 (-0.383, 0.368)	1.7
CRHBP	Inflammation	-0.002 (-0.220, 0.201)	2.0
CRIM1	Inflammation	-0.007 (-0.152, 0.137)	1.5
CRKL	Inflammation	0.000 (-0.879, 0.782)	1.9
CRLF1	Inflammation	-0.003 (-0.201, 0.187)	1.5
CSF1	Inflammation	-0.008 (-0.191, 0.186)	1.5
CSF3	Inflammation	0.004 (-0.305, 0.361)	3.4
CST7	Inflammation	-0.015 (-0.507, 0.522)	1.9
CTRC	Inflammation	0.007 (-0.437, 0.456)	2.0
CTSC	Inflammation	-0.003 (-0.298, 0.306)	2.0
CTSO	Inflammation	-0.005 (-0.221, 0.215)	0.9
CXADR	Inflammation	-0.009 (-0.322, 0.369)	2.0
CXCL1	Inflammation	0.003 (-0.621, 0.724)	2.0
CXCL10	Inflammation	-0.023 (-0.446, 0.446)	1.5
CXCL12	Inflammation	0.000 (-0.273, 0.283)	3.4
CXCL14	Inflammation	-0.004 (-0.319, 0.371)	3.4
CXCL17	Inflammation	-0.017 (-0.369, 0.332)	0.9
CXCL3	Inflammation	0.015 (-0.692, 0.681)	2.0
CXCL6	Inflammation	0.005 (-0.551, 0.580)	0.9
CXCL9	Inflammation	-0.026 (-0.450, 0.465)	1.5
DAG1	Inflammation	-0.004 (-0.366, 0.363)	1.5
DAPP1	Inflammation	0.000 (-0.970, 0.710)	2.0
DBNL	Inflammation	-0.011 (-0.747, 0.678)	1.5
DECR1	Inflammation	-0.001 (-0.744, 0.708)	2.0
DFFA	Inflammation	-0.011 (-0.496, 0.512)	0.9
DGKZ	Inflammation	0.549 (0.439, 0.673)	3.4
DNAJA2	Inflammation	-0.008 (-0.672, 0.609)	1.2
DNER	Inflammation	0.003 (-0.187, 0.198)	2.3
DNPH1	Inflammation	-0.011 (-0.390, 0.366)	1.7
DPP10	Inflammation	0.000 (-0.235, 0.243)	2.0
EDAR	Inflammation	0.002 (-0.685, 0.709)	2.0
EGF	Inflammation	-0.008 (-0.801, 0.734)	2.3
EGLN1	Inflammation	-0.033 (-0.354, 0.306)	2.0

EIF4G1	Inflammation	-0.014 (-0.868, 0.737)	0.9
EIF5A	Inflammation	0.141 (0.054, 0.255)	3.4
ENAH	Inflammation	-0.003 (-0.312, 0.314)	3.4
ENPP5	Inflammation	0.002 (-0.274, 0.282)	1.5
ENPP7	Inflammation	0.000 (-0.757, 0.648)	4.7
EPCAM	Inflammation	0.000 (-0.783, 0.862)	2.0
EPHA1	Inflammation	-0.006 (-0.285, 0.248)	1.7
EPO	Inflammation	-0.017 (-0.456, 0.464)	2.0
ERBB3	Inflammation	0.004 (-0.130, 0.143)	2.3
ESM1	Inflammation	-0.000 (-0.263, 0.257)	2.0
F2R	Inflammation	-0.000 (-0.434, 0.439)	1.7
FABP1	Inflammation	-0.063 (-0.758, 0.666)	2.0
FABP9	Inflammation	0.000 (-0.393, 0.416)	2.0
FASLG	Inflammation	0.009 (-0.273, 0.289)	0.9
FCAR	Inflammation	-0.003 (-0.362, 0.356)	2.0
FCRL2	Inflammation	-0.005 (-0.330, 0.333)	1.0
FCRL3	Inflammation	0.000 (-0.347, 0.363)	3.4
FCRL6	Inflammation	-0.005 (-0.510, 0.485)	2.0
FGF19	Inflammation	0.007 (-0.579, 0.593)	1.5
FGF2	Inflammation	0.000 (-0.451, 0.542)	2.0
FGF5	Inflammation	0.000 (-0.256, 0.247)	3.4
FIS1	Inflammation	-0.002 (-0.551, 0.593)	2.0
FKBP1B	Inflammation	0.057 (-0.473, 0.886)	1.3
FLT3LG	Inflammation	-0.005 (-0.263, 0.244)	0.9
FOXO1	Inflammation	-0.009 (-0.654, 0.620)	2.0
FST	Inflammation	-0.001 (-0.360, 0.398)	1.7
FSTL3	Inflammation	-0.009 (-0.247, 0.234)	2.4
FXYS5	Inflammation	0.000 (-0.285, 0.485)	3.4
GAL	Inflammation	0.002 (-0.493, 0.530)	1.5
GALNT3	Inflammation	0.000 (-0.291, 0.295)	3.4
GBP2	Inflammation	0.640 (0.431, 0.839)	3.4
GLOD4	Inflammation	0.002 (-0.269, 0.284)	2.4
GMPR	Inflammation	-0.003 (-0.391, 0.335)	1.0
GOPC	Inflammation	0.000 (-0.773, 0.704)	2.1
GZMA	Inflammation	-0.007 (-0.260, 0.250)	0.9
GZMB	Inflammation	-0.016 (-0.440, 0.422)	2.0
HCLS1	Inflammation	0.007 (-0.433, 0.440)	1.1
HEXIM1	Inflammation	-0.011 (-0.627, 0.599)	1.9
HGF	Inflammation	-0.017 (-0.278, 0.262)	1.0
HLA-DRA	Inflammation	0.103 (-0.050, 0.270)	2.0
HLA-E	Inflammation	-0.005 (-0.197, 0.198)	1.9
HPCAL1	Inflammation	-0.002 (-0.584, 0.476)	1.0
HSD11B1	Inflammation	0.009 (-0.297, 0.305)	2.0
HSPA1A	Inflammation	-0.024 (-0.506, 0.497)	1.8
ICA1	Inflammation	-0.004 (-0.505, 0.581)	3.4
ICAM4	Inflammation	-0.000 (-0.407, 0.344)	1.9
IDS	Inflammation	0.000 (-0.053, 0.051)	0.9

IFNG	Inflammation	0.000 (-0.602, 0.611)	3.3
IFNGR1	Inflammation	-0.002 (-0.149, 0.146)	1.6
IFNLR1	Inflammation	0.001 (-0.225, 0.223)	2.2
IKBKG	Inflammation	0.010 (-0.693, 0.689)	2.0
IL10	Inflammation	0.000 (-0.358, 0.438)	3.4
IL10RA	Inflammation	0.042 (-0.106, 0.258)	3.3
IL10RB	Inflammation	0.003 (-0.202, 0.226)	1.6
IL11	Inflammation	0.492 (0.361, 0.640)	3.3
IL12B	Inflammation	0.000 (-0.401, 0.398)	1.0
IL12RB1	Inflammation	0.044 (-0.150, 0.287)	3.5
IL13	Inflammation	0.213 (0.116, 0.320)	3.4
IL15	Inflammation	-0.002 (-0.225, 0.221)	2.0
IL15RA	Inflammation	0.179 (0.016, 0.345)	3.3
IL16	Inflammation	-0.002 (-0.279, 0.243)	1.0
IL17A	Inflammation	0.159 (0.038, 0.301)	3.4
IL17C	Inflammation	-0.014 (-0.421, 0.450)	3.4
IL17D	Inflammation	0.002 (-0.207, 0.218)	3.4
IL17F	Inflammation	0.211 (0.062, 0.438)	3.4
IL17RB	Inflammation	0.000 (-0.408, 0.399)	3.2
IL18	Inflammation	-0.014 (-0.338, 0.315)	2.4
IL18R1	Inflammation	-0.003 (-0.271, 0.270)	1.0
IL1A	Inflammation	0.648 (0.537, 0.795)	3.5
IL1B	Inflammation	0.012 (-0.214, 0.340)	4.0
IL1R2	Inflammation	-0.001 (-0.146, 0.144)	2.2
IL1RL2	Inflammation	0.001 (-0.298, 0.299)	3.4
IL1RN	Inflammation	-0.009 (-0.379, 0.450)	2.3
IL2	Inflammation	0.529 (0.429, 0.647)	3.4
IL20	Inflammation	0.232 (0.105, 0.361)	3.4
IL20RA	Inflammation	0.121 (-0.007, 0.272)	3.5
IL22RA1	Inflammation	0.051 (-0.121, 0.277)	3.4
IL24	Inflammation	0.554 (0.425, 0.692)	3.6
IL2RB	Inflammation	0.256 (0.157, 0.365)	3.5
IL32	Inflammation	0.014 (-0.273, 0.319)	2.0
IL33	Inflammation	0.433 (0.294, 0.570)	3.5
IL3RA	Inflammation	0.090 (-0.099, 0.304)	3.4
IL4	Inflammation	0.809 (0.524, 1.056)	3.4
IL4R	Inflammation	-0.000 (-0.234, 0.252)	2.0
IL5	Inflammation	0.697 (0.390, 1.022)	3.4
IL5RA	Inflammation	-0.004 (-0.411, 0.402)	1.9
IL7	Inflammation	-0.002 (-0.461, 0.474)	2.0
IRAK1	Inflammation	-0.010 (-0.512, 0.529)	3.4
IRAK4	Inflammation	0.000 (-0.826, 0.710)	2.0
ISM1	Inflammation	0.008 (-0.292, 0.302)	2.0
ITGA11	Inflammation	0.006 (-0.241, 0.256)	2.1
ITGA6	Inflammation	-0.004 (-0.315, 0.357)	2.1
ITGB6	Inflammation	-0.004 (-0.244, 0.229)	3.3
ITM2A	Inflammation	0.002 (-0.415, 0.427)	2.2

JCHAIN	Inflammation	0.095 (-0.186, 0.435)	3.6
JUN	Inflammation	0.277 (0.153, 0.423)	3.3
KLRB1	Inflammation	0.002 (-0.260, 0.273)	1.1
KLRD1	Inflammation	-0.000 (-0.350, 0.354)	1.1
KRT19	Inflammation	-0.021 (-0.456, 0.459)	2.2
KYNU	Inflammation	-0.006 (-0.324, 0.334)	0.9
LAIR1	Inflammation	-0.022 (-0.289, 0.252)	2.1
LAMA4	Inflammation	-0.001 (-0.239, 0.245)	1.7
LAMP3	Inflammation	-0.028 (-0.413, 0.402)	1.1
LAP3	Inflammation	-0.006 (-0.307, 0.319)	3.5
LAT	Inflammation	0.000 (-0.626, 0.530)	0.9
LGALS4	Inflammation	-0.021 (-0.401, 0.360)	2.1
LGALS9	Inflammation	-0.012 (-0.260, 0.238)	2.0
LGMN	Inflammation	-0.003 (-0.263, 0.264)	1.6
LHPP	Inflammation	0.001 (-0.393, 0.422)	2.0
LIFR	Inflammation	-0.001 (-0.174, 0.170)	2.0
LILRB4	Inflammation	-0.012 (-0.334, 0.319)	3.3
LRRN1	Inflammation	0.032 (-0.273, 0.321)	3.5
LSP1	Inflammation	-0.031 (-0.322, 0.266)	2.0
LTA	Inflammation	0.001 (-0.270, 0.257)	1.9
LTBR	Inflammation	0.002 (-0.181, 0.205)	2.6
LTO1	Inflammation	0.292 (0.174, 0.410)	3.5
LY6D	Inflammation	-0.009 (-0.269, 0.241)	2.6
LY75	Inflammation	-0.002 (-0.309, 0.266)	2.0
LY9	Inflammation	-0.000 (-0.204, 0.207)	2.9
MANF	Inflammation	-0.000 (-0.958, 0.739)	1.5
MAP2K6	Inflammation	-0.004 (-0.825, 0.764)	2.0
MAPK9	Inflammation	-0.011 (-0.310, 0.286)	2.1
MATN2	Inflammation	-0.007 (-0.227, 0.212)	1.9
MEGF10	Inflammation	0.002 (-0.276, 0.285)	2.3
MEPE	Inflammation	-0.001 (-0.196, 0.171)	2.0
MERTK	Inflammation	-0.004 (-0.202, 0.181)	0.9
METAP1D	Inflammation	-0.005 (-0.610, 0.614)	1.9
MGLL	Inflammation	0.000 (-0.702, 0.592)	1.7
MGMT	Inflammation	0.000 (-0.974, 0.808)	1.9
MICB_MICA	Inflammation	-0.008 (-0.632, 0.474)	2.0
MILR1	Inflammation	-0.002 (-0.371, 0.381)	3.5
MLN	Inflammation	0.026 (-0.715, 0.741)	1.9
MMP1	Inflammation	-0.011 (-0.719, 0.655)	5.5
MMP10	Inflammation	-0.011 (-0.392, 0.401)	2.1
MPIG6B	Inflammation	0.000 (-0.601, 0.455)	1.7
MVK	Inflammation	-0.022 (-0.567, 0.549)	3.5
MYO9B	Inflammation	0.119 (-0.101, 0.441)	3.4
MZB1	Inflammation	-0.012 (-0.365, 0.360)	1.8
NBN	Inflammation	-0.017 (-0.289, 0.272)	3.4
NCF2	Inflammation	-0.056 (-0.597, 0.550)	2.1
NCK2	Inflammation	0.031 (-0.772, 0.764)	1.6

NCLN	Inflammation	0.414 (0.318, 0.491)	3.4
NCR1	Inflammation	0.004 (-0.257, 0.258)	2.1
NELL2	Inflammation	0.004 (-0.191, 0.213)	1.6
NFASC	Inflammation	-0.005 (-0.211, 0.203)	1.1
NFATC1	Inflammation	0.012 (-0.725, 0.716)	2.0
NFATC3	Inflammation	0.292 (0.166, 0.510)	3.5
NME3	Inflammation	0.000 (-0.139, 0.145)	2.0
NPPC	Inflammation	0.000 (-0.353, 0.407)	2.2
NRTN	Inflammation	0.441 (0.293, 0.574)	3.5
NT5C3A	Inflammation	0.000 (-0.682, 0.618)	1.9
NTF3	Inflammation	0.000 (-0.230, 0.236)	2.0
NUB1	Inflammation	0.014 (-0.589, 0.633)	2.0
NUDC	Inflammation	0.011 (-0.500, 0.455)	1.1
OMD	Inflammation	-0.000 (-0.335, 0.318)	1.5
OSCAR	Inflammation	-0.008 (-0.264, 0.230)	1.9
OSM	Inflammation	-0.028 (-0.549, 0.478)	2.2
PADI2	Inflammation	0.129 (-0.006, 0.308)	3.5
PAPPA	Inflammation	0.225 (-0.022, 0.469)	3.5
PARP1	Inflammation	-0.025 (-0.315, 0.302)	2.1
PCDH1	Inflammation	0.000 (-0.131, 0.139)	1.2
PDGFB	Inflammation	0.001 (-0.633, 0.604)	1.6
PDLIM7	Inflammation	0.008 (-0.970, 0.936)	1.6
PGF	Inflammation	-0.011 (-0.203, 0.183)	0.9
PIK3AP1	Inflammation	-0.016 (-0.440, 0.413)	2.0
PKLR	Inflammation	-0.002 (-0.431, 0.470)	2.0
PLA2G4A	Inflammation	0.000 (-0.668, 0.615)	1.6
PLAUR	Inflammation	-0.017 (-0.217, 0.188)	2.8
PLXNA4	Inflammation	-0.002 (-0.610, 0.580)	1.9
PNLIPRP2	Inflammation	0.473 (-0.580, 1.165)	2.2
PNPT1	Inflammation	0.284 (0.074, 0.784)	3.3
PON3	Inflammation	0.016 (-0.209, 0.203)	1.6
PPP1R9B	Inflammation	-0.002 (-0.741, 0.732)	1.0
PRDX3	Inflammation	-0.002 (-0.414, 0.537)	3.3
PRDX5	Inflammation	-0.006 (-0.580, 0.416)	0.9
PREB	Inflammation	0.283 (0.186, 0.375)	3.4
PRELP	Inflammation	-0.004 (-0.154, 0.137)	2.1
PRKAB1	Inflammation	0.011 (-0.258, 0.441)	3.5
PRKCQ	Inflammation	0.305 (0.205, 0.417)	3.6
PROK1	Inflammation	-0.027 (-0.784, 0.579)	2.0
PRSS8	Inflammation	-0.030 (-0.365, 0.335)	2.5
PSIP1	Inflammation	-0.006 (-0.400, 0.409)	2.0
PSMG3	Inflammation	-0.011 (-0.379, 0.377)	2.1
PSPN	Inflammation	-0.038 (-1.254, 1.008)	2.0
PTH1R	Inflammation	0.003 (-0.168, 0.182)	2.0
PTPN6	Inflammation	0.024 (-0.689, 0.522)	1.9
PTPRM	Inflammation	0.000 (-0.182, 0.186)	2.1
PTX3	Inflammation	-0.005 (-0.322, 0.272)	1.9

RAB37	Inflammation	0.042 (-0.193, 0.492)	3.6
RAB6A	Inflammation	0.028 (-0.264, 0.339)	2.0
RABGAP1L	Inflammation	0.001 (-0.407, 0.419)	3.5
REG4	Inflammation	-0.002 (-0.346, 0.369)	2.0
RGS8	Inflammation	0.599 (0.494, 0.727)	3.4
ROBO1	Inflammation	-0.004 (-0.168, 0.164)	1.8
SAMD9L	Inflammation	0.009 (-0.528, 0.542)	2.1
SCG3	Inflammation	-0.001 (-0.251, 0.257)	1.9
SCGB1A1	Inflammation	0.009 (-0.422, 0.380)	2.0
SCGB3A2	Inflammation	-0.002 (-0.541, 0.553)	1.8
SCGN	Inflammation	0.014 (-0.265, 0.363)	3.6
SCRN1	Inflammation	-0.000 (-0.344, 0.385)	2.1
SELPLG	Inflammation	0.000 (-0.169, 0.163)	1.9
SERPINB8	Inflammation	-0.020 (-0.379, 0.320)	1.0
SH2D1A	Inflammation	-0.007 (-0.321, 0.348)	2.1
SHMT1	Inflammation	0.017 (-0.642, 0.633)	1.9
SIGLEC1	Inflammation	-0.006 (-0.283, 0.284)	1.6
SIGLEC10	Inflammation	-0.003 (-0.226, 0.231)	2.0
SIRPB1	Inflammation	0.000 (-0.324, 0.315)	2.3
SIT1	Inflammation	-0.000 (-0.408, 0.429)	3.4
SKAP2	Inflammation	0.022 (-0.781, 0.750)	1.8
SLAMF1	Inflammation	0.098 (-0.188, 0.405)	3.4
SLAMF7	Inflammation	-0.005 (-0.407, 0.393)	2.0
SLC39A5	Inflammation	0.006 (-0.391, 0.368)	2.1
SMOC2	Inflammation	-0.014 (-0.309, 0.290)	1.5
SMPDL3A	Inflammation	0.026 (-0.442, 0.448)	1.8
SPINK4	Inflammation	-0.011 (-0.445, 0.508)	2.0
SPINT2	Inflammation	-0.009 (-0.292, 0.285)	1.7
SPON1	Inflammation	-0.014 (-0.249, 0.223)	1.9
SPRY2	Inflammation	0.028 (-0.628, 0.679)	3.6
SRPK2	Inflammation	-0.011 (-0.486, 0.635)	2.0
STX8	Inflammation	-0.013 (-0.332, 0.337)	2.0
SULT2A1	Inflammation	0.001 (-0.249, 0.359)	2.1
TANK	Inflammation	0.015 (-0.394, 0.504)	3.5
TBC1D5	Inflammation	-0.026 (-0.533, 0.568)	2.1
TFF2	Inflammation	-0.025 (-0.409, 0.412)	1.7
TGFA	Inflammation	-0.007 (-0.300, 0.349)	1.9
TGFB1	Inflammation	0.009 (-0.265, 0.312)	1.1
TIMP3	Inflammation	0.002 (-0.884, 1.033)	1.6
TLR3	Inflammation	0.018 (-0.403, 0.409)	1.1
TNFAIP8	Inflammation	0.250 (0.118, 0.381)	3.5
TNFRSF11A	Inflammation	-0.013 (-0.282, 0.261)	0.9
TNFRSF11B	Inflammation	-0.004 (-0.236, 0.224)	2.0
TNFRSF13B	Inflammation	-0.010 (-0.229, 0.217)	1.9
TNFRSF13C	Inflammation	-0.003 (-0.289, 0.276)	3.3
TNFRSF14	Inflammation	-0.007 (-0.217, 0.207)	2.0
TNFRSF4	Inflammation	-0.007 (-0.264, 0.255)	1.0

TNFSF10	Inflammation	0.005 (-0.187, 0.192)	0.9
TNFSF11	Inflammation	0.005 (-0.452, 0.465)	1.9
TNFSF12	Inflammation	0.000 (-0.199, 0.212)	0.9
TNFSF13	Inflammation	-0.008 (-0.208, 0.194)	1.5
TPP1	Inflammation	0.004 (-0.287, 0.349)	2.8
TPSAB1	Inflammation	0.000 (-0.351, 0.335)	1.1
TPT1	Inflammation	0.524 (0.372, 0.662)	3.4
TRAF2	Inflammation	-0.014 (-0.496, 0.493)	2.1
TREM2	Inflammation	-0.006 (-0.394, 0.400)	2.1
TRIM21	Inflammation	-0.008 (-0.487, 0.486)	2.1
TRIM5	Inflammation	-0.003 (-0.668, 0.646)	2.0
VASH1	Inflammation	0.000 (-0.411, 0.648)	2.0
VEGFA	Inflammation	-0.010 (-0.407, 0.462)	1.5
VEGFD	Inflammation	0.000 (-0.263, 0.265)	1.2
WAS	Inflammation	0.537 (0.371, 0.730)	3.4
WFIKKN2	Inflammation	0.000 (-0.257, 0.273)	1.8
WNT9A	Inflammation	-0.003 (-0.231, 0.216)	3.4
YTHDF3	Inflammation	0.001 (-0.513, 0.615)	3.5
A1BG	Inflammation II	0.000 (-0.117, 0.114)	9.7
ABO	Inflammation II	0.196 (-0.679, 0.736)	9.8
ACE	Inflammation II	0.210 (0.105, 0.304)	9.8
ACHE	Inflammation II	0.001 (-0.220, 0.222)	11.8
ACP1	Inflammation II	0.015 (-0.157, 0.276)	12.3
ACRV1	Inflammation II	0.072 (-0.107, 1.041)	12.3
ACYP1	Inflammation II	-0.017 (-0.457, 0.425)	12.1
ADAM12	Inflammation II	0.000 (-0.165, 0.202)	12.3
ADAMTS1	Inflammation II	0.187 (0.068, 0.290)	12.3
ADAMTS4	Inflammation II	0.100 (-0.035, 0.254)	12.3
ADD1	Inflammation II	-0.012 (-0.510, 0.476)	11.8
ADGRD1	Inflammation II	-0.005 (-0.284, 0.286)	11.8
ADH1B	Inflammation II	-0.001 (-0.472, 0.555)	11.8
ADIPOQ	Inflammation II	0.028 (-0.547, 0.601)	9.7
AFAP1	Inflammation II	0.625 (0.553, 0.740)	11.8
AFM	Inflammation II	-0.002 (-0.141, 0.138)	9.7
AGT	Inflammation II	0.001 (-0.106, 0.117)	9.8
AHSG	Inflammation II	0.004 (-0.174, 0.171)	9.8
AKAP12	Inflammation II	0.441 (0.348, 0.513)	11.8
AKR7L	Inflammation II	0.062 (-0.132, 0.390)	12.3
ALPI	Inflammation II	0.104 (-0.308, 1.220)	12.3
AMOT	Inflammation II	0.000 (-0.257, 0.290)	11.8
AMY1A_AMY1B_	Inflammation II	0.001 (-0.302, 0.307)	15.1
ANKMY2	Inflammation II	-0.004 (-0.556, 0.548)	12.3
ANXA1	Inflammation II	0.317 (0.258, 0.374)	12.2
APCS	Inflammation II	-0.000 (-0.289, 0.249)	10.6
APOA1	Inflammation II	0.009 (-0.152, 0.176)	9.7
APOA2	Inflammation II	0.003 (-0.340, 0.335)	9.8
APOA4	Inflammation II	0.001 (-0.203, 0.206)	9.7

APOB	Inflammation II	0.161 (0.108, 0.214)	9.8
APOC1	Inflammation II	0.014 (-0.214, 0.233)	9.9
APOD	Inflammation II	0.000 (-0.217, 0.214)	14.0
APOE	Inflammation II	0.004 (-0.306, 0.323)	9.7
APOF	Inflammation II	0.005 (-0.157, 0.133)	9.8
APOL1	Inflammation II	0.009 (-0.263, 0.323)	9.8
APPL2	Inflammation II	-0.003 (-0.816, 0.708)	11.8
ARHGAP45	Inflammation II	-0.005 (-0.597, 0.578)	11.8
ASGR2	Inflammation II	0.000 (-0.168, 0.166)	9.8
ATRN	Inflammation II	-0.001 (-0.114, 0.108)	9.7
B2M	Inflammation II	-0.004 (-0.166, 0.165)	9.7
BABAM1	Inflammation II	0.380 (0.304, 0.461)	12.3
BAG4	Inflammation II	-0.010 (-0.296, 0.309)	12.3
BCHE	Inflammation II	0.001 (-0.194, 0.191)	11.3
BCL2L15	Inflammation II	0.068 (-0.096, 0.306)	12.3
BLNK	Inflammation II	-0.000 (-0.196, 0.212)	12.3
BMP10	Inflammation II	0.006 (-0.189, 0.206)	11.8
BMPER	Inflammation II	-0.002 (-0.148, 0.143)	11.8
BNIP3L	Inflammation II	0.016 (-0.162, 0.261)	12.3
BTD	Inflammation II	0.000 (-0.135, 0.124)	9.7
C1QL2	Inflammation II	0.004 (-0.268, 0.289)	12.3
C1QTNF5	Inflammation II	0.007 (-0.211, 0.220)	11.8
C1QTNF9	Inflammation II	0.005 (-0.312, 0.280)	12.0
C1R	Inflammation II	0.000 (-0.095, 0.098)	9.7
C1RL	Inflammation II	0.000 (-0.128, 0.121)	9.8
C1S	Inflammation II	0.000 (-0.140, 0.136)	9.7
C3	Inflammation II	-0.001 (-0.249, 0.255)	14.0
C5	Inflammation II	0.001 (-0.088, 0.095)	9.7
C7	Inflammation II	-0.004 (-0.202, 0.181)	11.9
C8B	Inflammation II	0.001 (-0.206, 0.201)	9.7
C9	Inflammation II	-0.001 (-0.348, 0.311)	9.8
CA8	Inflammation II	0.645 (0.594, 0.692)	12.3
CACYBP	Inflammation II	-0.008 (-0.749, 0.665)	12.0
CASP9	Inflammation II	0.474 (0.351, 0.638)	12.3
CAT	Inflammation II	-0.009 (-0.346, 0.358)	11.1
CCNE1	Inflammation II	0.324 (0.256, 0.408)	12.3
CD226	Inflammation II	0.001 (-0.259, 0.289)	12.3
CD300A	Inflammation II	-0.000 (-0.204, 0.192)	11.8
CD36	Inflammation II	0.001 (-0.274, 0.313)	12.3
CD3G	Inflammation II	0.109 (-0.010, 0.353)	12.3
CD5L	Inflammation II	0.010 (-0.310, 0.324)	10.2
CD7	Inflammation II	0.002 (-0.252, 0.255)	12.5
CD72	Inflammation II	0.000 (-0.282, 0.288)	11.8
CEBPA	Inflammation II	0.245 (0.182, 0.308)	12.3
CELSR2	Inflammation II	-0.002 (-0.193, 0.181)	11.8
CEMIP2	Inflammation II	0.200 (0.087, 0.314)	12.3
CFB	Inflammation II	-0.000 (-0.245, 0.229)	11.3

CFD	Inflammation II	-0.004 (-0.131, 0.118)	9.7
CFH	Inflammation II	-0.004 (-0.187, 0.167)	14.4
CFHR2	Inflammation II	-0.000 (-0.397, 0.312)	10.3
CFHR4	Inflammation II	0.003 (-0.516, 0.430)	10.0
CFHR5	Inflammation II	-0.001 (-0.262, 0.244)	11.0
CFI	Inflammation II	-0.001 (-0.153, 0.148)	9.7
CFP	Inflammation II	0.002 (-0.138, 0.146)	9.7
CGB3_CGB5_CGE	Inflammation II	0.585 (0.474, 0.687)	9.8
CHAD	Inflammation II	0.001 (-0.336, 0.345)	11.8
CLEC12A	Inflammation II	0.085 (0.008, 0.160)	12.3
CLEC3B	Inflammation II	0.004 (-0.129, 0.133)	11.9
CLU	Inflammation II	0.001 (-0.101, 0.107)	9.7
COL5A1	Inflammation II	0.003 (-0.241, 0.266)	11.8
CPA4	Inflammation II	-0.002 (-0.289, 0.275)	13.5
CPB2	Inflammation II	-0.002 (-0.153, 0.151)	9.9
CPOX	Inflammation II	0.041 (-0.061, 0.173)	12.3
CR1	Inflammation II	-0.001 (-0.230, 0.228)	9.9
CRELD1	Inflammation II	-0.005 (-0.275, 0.259)	11.8
CRISP3	Inflammation II	0.000 (-0.190, 0.183)	10.5
CSF1R	Inflammation II	-0.000 (-0.251, 0.254)	9.8
CSF2RB	Inflammation II	0.001 (-0.247, 0.272)	12.3
CSF3R	Inflammation II	-0.002 (-0.183, 0.180)	12.3
CSH1	Inflammation II	0.394 (0.307, 0.478)	9.8
CSNK1D	Inflammation II	0.309 (0.198, 0.474)	12.3
CST1	Inflammation II	-0.002 (-0.666, 0.684)	21.4
CTBS	Inflammation II	-0.001 (-0.166, 0.163)	10.8
CTSE	Inflammation II	-0.002 (-0.347, 0.345)	11.8
DAAM1	Inflammation II	-0.005 (-0.572, 0.596)	11.8
DAND5	Inflammation II	0.300 (0.157, 0.462)	12.3
DAPK2	Inflammation II	0.175 (0.025, 0.360)	12.3
DBH	Inflammation II	0.015 (-0.651, 0.517)	9.9
DBN1	Inflammation II	-0.003 (-0.323, 0.332)	12.3
DCTD	Inflammation II	0.002 (-0.681, 0.624)	11.8
DDI2	Inflammation II	-0.020 (-0.521, 0.506)	11.8
DDX39A	Inflammation II	0.237 (0.178, 0.293)	12.3
DDX4	Inflammation II	0.386 (0.298, 0.503)	12.3
DEFB103A_DEFB	Inflammation II	0.706 (0.612, 0.786)	12.8
DENR	Inflammation II	0.037 (-0.162, 0.357)	12.3
DGKA	Inflammation II	-0.003 (-0.341, 0.380)	12.3
DIPK2B	Inflammation II	0.006 (-0.173, 0.192)	11.8
DNAJB2	Inflammation II	-0.014 (-0.369, 0.352)	11.8
DNAJB6	Inflammation II	-0.008 (-0.601, 0.584)	12.6
DTD1	Inflammation II	-0.006 (-0.598, 0.613)	11.8
ECM1	Inflammation II	0.000 (-0.196, 0.181)	12.0
EDNRB	Inflammation II	0.346 (0.256, 0.429)	12.3
EIF4E	Inflammation II	-0.006 (-0.627, 0.633)	12.3
EP300	Inflammation II	0.377 (0.305, 0.445)	12.3

EPHA4	Inflammation II	0.002 (-0.184, 0.190)	11.8
ERMAP	Inflammation II	-0.011 (-0.330, 0.295)	12.3
ERP29	Inflammation II	-0.005 (-0.876, 0.838)	11.8
ESR1	Inflammation II	0.499 (0.412, 0.598)	12.3
EVI5	Inflammation II	-0.006 (-0.618, 0.606)	12.3
F10	Inflammation II	0.005 (-0.148, 0.162)	9.8
F11	Inflammation II	0.002 (-0.173, 0.182)	11.0
F12	Inflammation II	0.000 (-0.293, 0.249)	9.7
F13B	Inflammation II	0.002 (-0.167, 0.160)	10.2
F2	Inflammation II	0.005 (-0.082, 0.099)	9.7
FCN1	Inflammation II	-0.005 (-0.343, 0.319)	9.9
FGA	Inflammation II	0.000 (-0.215, 0.208)	11.7
FGF12	Inflammation II	0.126 (0.048, 0.221)	12.3
FGF16	Inflammation II	0.180 (0.054, 0.309)	12.3
FGF20	Inflammation II	0.189 (0.122, 0.276)	12.3
FGF3	Inflammation II	0.419 (0.353, 0.488)	12.3
FGF6	Inflammation II	0.545 (0.466, 0.626)	12.3
FGFR4	Inflammation II	0.007 (-0.358, 0.400)	11.8
FGL1	Inflammation II	-0.002 (-0.438, 0.421)	9.8
FN1	Inflammation II	0.000 (-0.178, 0.176)	9.7
FOLH1	Inflammation II	0.084 (-0.031, 0.327)	12.3
FOXJ3	Inflammation II	-0.003 (-0.181, 0.254)	12.3
FUOM	Inflammation II	-0.011 (-0.390, 0.425)	11.8
GAD2	Inflammation II	0.490 (0.414, 0.593)	12.3
GAPDH	Inflammation II	-0.003 (-0.204, 0.136)	13.7
GC	Inflammation II	0.000 (-0.178, 0.217)	9.7
GCHFR	Inflammation II	-0.021 (-0.312, 0.291)	14.2
GHR	Inflammation II	0.003 (-0.217, 0.216)	11.8
GIMAP7	Inflammation II	0.000 (-0.183, 0.181)	11.8
GIPR	Inflammation II	0.401 (0.311, 0.511)	12.3
GIT1	Inflammation II	-0.013 (-0.703, 0.668)	12.3
GLA	Inflammation II	-0.004 (-0.237, 0.233)	12.0
GLI2	Inflammation II	0.546 (0.481, 0.607)	12.3
GLRX5	Inflammation II	0.028 (-0.566, 0.594)	11.7
GMPR2	Inflammation II	0.003 (-0.441, 0.462)	11.7
GNPDA2	Inflammation II	0.002 (-0.234, 0.254)	11.7
GP5	Inflammation II	0.005 (-0.256, 0.226)	11.7
GPI	Inflammation II	-0.002 (-0.300, 0.324)	9.8
GSN	Inflammation II	0.004 (-0.114, 0.125)	10.2
GSR	Inflammation II	-0.004 (-0.157, 0.144)	10.0
HDAC8	Inflammation II	1.120 (1.013, 1.218)	12.4
HEG1	Inflammation II	-0.002 (-0.194, 0.185)	11.8
HGFAC	Inflammation II	0.000 (-0.181, 0.170)	10.6
HIF1A	Inflammation II	0.335 (0.217, 0.473)	12.4
HMCN2	Inflammation II	-0.009 (-0.390, 0.354)	12.0
HRG	Inflammation II	0.004 (-0.212, 0.209)	10.3
HS6ST2	Inflammation II	-0.002 (-0.219, 0.228)	12.4

IGFL4	Inflammation II	0.226 (0.132, 0.346)	12.4
IGLC2	Inflammation II	0.005 (-0.092, 0.126)	10.0
IL12RB2	Inflammation II	0.419 (0.324, 0.512)	12.3
IL20RB	Inflammation II	0.838 (0.734, 0.933)	12.3
IL21R	Inflammation II	0.347 (0.259, 0.434)	12.3
IL31	Inflammation II	0.477 (0.367, 0.594)	12.4
IL31RA	Inflammation II	0.040 (-0.136, 0.270)	12.5
IL36A	Inflammation II	0.604 (0.487, 0.706)	12.3
IL36G	Inflammation II	0.217 (0.029, 0.469)	12.5
INHBB	Inflammation II	-0.020 (-0.366, 0.345)	11.7
INSR	Inflammation II	0.002 (-0.098, 0.117)	12.2
ITGA2	Inflammation II	0.009 (-0.228, 0.252)	11.7
ITGAL	Inflammation II	0.005 (-0.263, 0.258)	12.2
ITIH1	Inflammation II	0.038 (-0.032, 0.111)	9.6
ITIH4	Inflammation II	0.008 (-0.147, 0.181)	9.7
JAM3	Inflammation II	0.007 (-0.281, 0.345)	11.7
KDM3A	Inflammation II	0.419 (0.324, 0.542)	12.2
KLK7	Inflammation II	-0.004 (-0.260, 0.248)	13.8
KLKB1	Inflammation II	0.005 (-0.162, 0.176)	11.4
KLRF1	Inflammation II	-0.005 (-0.230, 0.223)	12.3
LATS1	Inflammation II	0.000 (-0.536, 0.569)	12.2
LCAT	Inflammation II	0.000 (-0.161, 0.155)	9.7
LEG1	Inflammation II	0.031 (-0.388, 0.469)	14.6
LGALS3BP	Inflammation II	0.011 (-0.105, 0.202)	9.6
LPA	Inflammation II	-0.019 (-1.332, 1.179)	11.3
LRG1	Inflammation II	0.000 (-0.169, 0.170)	9.6
LRIG3	Inflammation II	0.250 (0.182, 0.327)	12.3
LYVE1	Inflammation II	0.002 (-0.127, 0.135)	9.8
LZTFL1	Inflammation II	-0.003 (-0.465, 0.483)	11.8
MARS1	Inflammation II	-0.010 (-0.595, 0.556)	11.9
MBL2	Inflammation II	0.014 (-0.811, 0.753)	10.9
MCEMP1	Inflammation II	-0.011 (-0.552, 0.600)	12.2
MDH1	Inflammation II	-0.009 (-0.266, 0.266)	10.0
MENT	Inflammation II	0.011 (-0.150, 0.169)	11.8
MFAP4	Inflammation II	0.008 (-0.211, 0.223)	11.6
MKI67	Inflammation II	0.175 (0.102, 0.262)	12.4
MOCS2	Inflammation II	-0.007 (-0.448, 0.457)	11.6
MRC1	Inflammation II	-0.004 (-0.204, 0.204)	9.9
MRPS16	Inflammation II	0.494 (0.438, 0.549)	12.2
MST1	Inflammation II	0.000 (-0.343, 0.222)	10.9
MTDH	Inflammation II	0.023 (-0.609, 0.672)	12.3
MXRA8	Inflammation II	0.008 (-0.226, 0.248)	11.7
MYOM3	Inflammation II	-0.007 (-0.646, 0.665)	11.7
NAGA	Inflammation II	0.087 (-0.068, 0.282)	12.6
NAGPA	Inflammation II	0.002 (-0.135, 0.146)	11.7
NDUFA5	Inflammation II	0.136 (0.021, 0.285)	12.5
NECTIN1	Inflammation II	0.087 (-0.029, 0.232)	12.2

NEDD4L	Inflammation II	0.007 (-0.312, 0.288)	12.3
NEDD9	Inflammation II	0.219 (0.133, 0.309)	12.3
NEXN	Inflammation II	0.000 (-0.345, 0.469)	9.6
NFAT5	Inflammation II	0.167 (-0.067, 0.584)	12.2
NHLRC3	Inflammation II	-0.001 (-0.226, 0.217)	13.6
NME1	Inflammation II	0.402 (0.326, 0.475)	12.2
NPHS1	Inflammation II	0.012 (-0.162, 0.217)	12.3
NPHS2	Inflammation II	0.171 (0.020, 0.619)	12.2
NRGN	Inflammation II	0.021 (-0.638, 0.598)	9.7
NUMB	Inflammation II	0.027 (-0.582, 0.557)	12.4
NXPH3	Inflammation II	0.001 (-0.208, 0.209)	12.2
OLFM4	Inflammation II	-0.024 (-0.753, 0.642)	14.8
ORM1	Inflammation II	0.007 (-0.128, 0.161)	10.2
PALLD	Inflammation II	0.319 (0.231, 0.406)	12.3
PAXX	Inflammation II	0.000 (-0.286, 0.304)	11.9
PCBD1	Inflammation II	-0.011 (-0.299, 0.320)	11.8
PDE5A	Inflammation II	-0.007 (-0.752, 0.636)	11.6
PDIA3	Inflammation II	0.035 (-0.075, 0.159)	11.7
PDZK1	Inflammation II	0.233 (0.118, 0.345)	12.1
PENK	Inflammation II	0.002 (-0.189, 0.192)	11.8
PEPD	Inflammation II	0.003 (-0.176, 0.183)	9.8
PER3	Inflammation II	0.120 (-0.255, 0.885)	12.3
PF4	Inflammation II	0.024 (-0.603, 0.622)	10.2
PGA4	Inflammation II	-0.009 (-0.340, 0.351)	9.7
PGLYRP2	Inflammation II	0.003 (-0.210, 0.191)	10.8
PGR	Inflammation II	0.120 (0.001, 0.324)	12.3
PHYKPL	Inflammation II	-0.004 (-0.261, 0.251)	11.8
PI16	Inflammation II	0.002 (-0.168, 0.174)	9.7
PIKFYVE	Inflammation II	0.487 (0.369, 0.609)	12.2
PINLYP	Inflammation II	0.011 (-0.462, 0.411)	11.9
PLCB1	Inflammation II	0.325 (0.249, 0.412)	12.3
PLG	Inflammation II	-0.000 (-0.135, 0.134)	11.6
PNLIP	Inflammation II	0.000 (-0.388, 0.397)	9.8
POF1B	Inflammation II	0.022 (-0.161, 0.307)	12.3
POLR2A	Inflammation II	0.599 (0.509, 0.692)	12.2
PON1	Inflammation II	0.004 (-0.176, 0.167)	9.7
PPBP	Inflammation II	0.000 (-0.572, 0.551)	10.1
PPL	Inflammation II	0.004 (-0.192, 0.215)	12.3
PPM1B	Inflammation II	0.335 (0.232, 0.445)	12.2
PRDX2	Inflammation II	-0.015 (-0.408, 0.423)	11.1
PRKG1	Inflammation II	-0.009 (-0.855, 0.812)	11.7
PROS1	Inflammation II	0.003 (-0.151, 0.160)	9.8
PRR4	Inflammation II	0.058 (-0.365, 0.518)	12.4
PRR5	Inflammation II	0.399 (0.308, 0.530)	12.4
PRSS22	Inflammation II	-0.002 (-0.193, 0.191)	12.2
PSMG4	Inflammation II	-0.014 (-0.355, 0.371)	12.2
PSTPIP2	Inflammation II	0.038 (-0.708, 0.639)	14.3

PTGES2	Inflammation II	0.000 (-0.256, 0.366)	12.9
PTP4A3	Inflammation II	-0.012 (-0.285, 0.306)	12.2
PTPN9	Inflammation II	0.345 (0.253, 0.440)	12.4
PTRHD1	Inflammation II	-0.007 (-0.419, 0.404)	11.8
PZP	Inflammation II	0.066 (-0.154, 0.741)	9.6
QSOX1	Inflammation II	-0.002 (-0.163, 0.150)	11.2
RABEP1	Inflammation II	-0.015 (-0.529, 0.527)	11.7
RALB	Inflammation II	0.363 (0.266, 0.453)	12.3
RAP1A	Inflammation II	0.375 (0.254, 0.491)	12.3
RBPMS	Inflammation II	0.458 (0.370, 0.555)	12.4
RELB	Inflammation II	0.432 (0.333, 0.521)	12.2
REPS1	Inflammation II	0.343 (0.245, 0.431)	12.4
RICTOR	Inflammation II	0.502 (0.418, 0.587)	12.3
RIDA	Inflammation II	-0.008 (-0.329, 0.349)	11.7
RLN2	Inflammation II	-0.006 (-0.323, 0.301)	12.0
RNASE1	Inflammation II	-0.001 (-0.164, 0.162)	9.8
RNASE4	Inflammation II	-0.009 (-0.184, 0.164)	12.4
RNASE6	Inflammation II	-0.014 (-0.193, 0.173)	10.2
RNF168	Inflammation II	0.527 (0.447, 0.608)	12.3
RNF31	Inflammation II	0.535 (0.459, 0.610)	12.3
RPA2	Inflammation II	0.438 (0.369, 0.527)	12.3
S100A13	Inflammation II	-0.005 (-0.223, 0.211)	12.3
SAA4	Inflammation II	0.042 (-0.004, 0.104)	9.7
SCGB3A1	Inflammation II	0.000 (-0.174, 0.180)	11.6
SDK2	Inflammation II	0.002 (-0.225, 0.233)	11.8
SELENOP	Inflammation II	0.004 (-0.130, 0.131)	9.7
SELL	Inflammation II	0.002 (-0.137, 0.144)	9.6
SEMA3G	Inflammation II	0.002 (-0.264, 0.284)	11.6
SEMA6C	Inflammation II	0.073 (-0.012, 0.167)	12.1
SERPINA1	Inflammation II	0.038 (0.008, 0.069)	11.1
SERPINA3	Inflammation II	-0.000 (-0.092, 0.091)	10.1
SERPINA4	Inflammation II	0.000 (-0.152, 0.154)	11.2
SERPINA5	Inflammation II	0.000 (-0.163, 0.175)	10.9
SERPINA6	Inflammation II	0.004 (-0.108, 0.128)	9.7
SERPINA7	Inflammation II	-0.001 (-0.131, 0.128)	9.6
SERPINC1	Inflammation II	0.001 (-0.098, 0.103)	9.9
SERPIND1	Inflammation II	0.000 (-0.202, 0.198)	9.7
SERPINF1	Inflammation II	-0.005 (-0.201, 0.182)	11.1
SERPINF2	Inflammation II	0.001 (-0.085, 0.091)	11.3
SERPING1	Inflammation II	0.001 (-0.134, 0.135)	9.9
SERPINI1	Inflammation II	0.001 (-0.176, 0.188)	12.0
SFRP4	Inflammation II	0.020 (-0.248, 0.305)	11.7
SHBG	Inflammation II	0.022 (-0.387, 0.432)	9.9
SHH	Inflammation II	0.781 (0.647, 0.889)	12.3
SIRT1	Inflammation II	0.129 (0.007, 0.310)	12.2
SLC9A3R1	Inflammation II	-0.001 (-0.569, 0.581)	11.8
SLITRK1	Inflammation II	0.004 (-0.228, 0.243)	12.2

SMPD3	Inflammation II	0.149 (0.061, 0.266)	12.2
SNCA	Inflammation II	-0.008 (-0.790, 0.767)	11.7
SNX15	Inflammation II	0.005 (-0.358, 0.355)	11.8
SOD3	Inflammation II	0.004 (-0.203, 0.218)	9.7
SPART	Inflammation II	-0.000 (-0.526, 0.511)	11.7
SPINK2	Inflammation II	-0.004 (-0.274, 0.271)	11.7
SPRED2	Inflammation II	0.235 (0.143, 0.352)	12.4
SSBP1	Inflammation II	0.163 (0.078, 0.261)	12.2
ST13	Inflammation II	-0.008 (-0.395, 0.368)	11.6
ST8SIA1	Inflammation II	0.273 (0.185, 0.367)	12.3
STAT2	Inflammation II	-0.009 (-0.535, 0.549)	12.2
STX5	Inflammation II	0.258 (0.167, 0.349)	12.3
STX7	Inflammation II	-0.024 (-0.373, 0.316)	12.2
SUMF1	Inflammation II	0.163 (0.071, 0.285)	12.2
SUSD5	Inflammation II	0.000 (-0.253, 0.249)	12.2
SYAP1	Inflammation II	0.012 (-0.318, 0.418)	11.9
TBCA	Inflammation II	-0.020 (-0.600, 0.579)	11.7
TCN1	Inflammation II	0.001 (-0.208, 0.209)	11.1
TERF1	Inflammation II	0.558 (0.479, 0.636)	12.3
TF	Inflammation II	0.007 (-0.139, 0.167)	9.8
TGFBR1	Inflammation II	0.210 (0.151, 0.277)	12.2
TGOLN2	Inflammation II	0.000 (-0.177, 0.174)	9.9
THSD1	Inflammation II	0.257 (0.170, 0.354)	12.9
TLR1	Inflammation II	0.213 (0.094, 0.305)	12.3
TLR4	Inflammation II	0.323 (0.238, 0.409)	12.4
TNFAIP8L2	Inflammation II	-0.004 (-0.381, 0.441)	11.7
TNFRSF17	Inflammation II	0.001 (-0.267, 0.258)	11.6
TOP2B	Inflammation II	-0.015 (-0.519, 0.523)	12.4
TP53BP1	Inflammation II	0.065 (-0.197, 0.764)	12.4
TP53I3	Inflammation II	0.003 (-0.333, 0.362)	13.4
TPD52L2	Inflammation II	0.004 (-0.735, 0.674)	11.7
TPSG1	Inflammation II	0.617 (0.540, 0.689)	12.3
TRAF3	Inflammation II	0.000 (-0.189, 0.232)	12.4
TREML1	Inflammation II	0.006 (-0.222, 0.358)	9.7
TSC1	Inflammation II	0.262 (0.155, 0.409)	12.3
TSPYL1	Inflammation II	-0.001 (-0.229, 0.265)	12.3
TTR	Inflammation II	0.008 (-0.168, 0.183)	10.8
TXN	Inflammation II	-0.010 (-0.253, 0.253)	10.7
TYRP1	Inflammation II	0.843 (0.707, 0.949)	12.2
UBE2Z	Inflammation II	0.039 (-0.138, 0.339)	12.4
UBXN1	Inflammation II	-0.012 (-0.477, 0.484)	11.8
UNC5D	Inflammation II	0.207 (0.120, 0.299)	12.4
UROD	Inflammation II	0.000 (-0.468, 0.468)	11.9
VAMP8	Inflammation II	-0.005 (-0.595, 0.623)	12.2
VASP	Inflammation II	-0.002 (-0.473, 0.497)	9.6
VEGFB	Inflammation II	-0.004 (-0.208, 0.192)	12.2
VNN1	Inflammation II	-0.005 (-0.497, 0.440)	9.6

VTI1A	Inflammation II	-0.019 (-0.356, 0.382)	11.7
WASL	Inflammation II	0.695 (0.572, 0.796)	12.3
XIAP	Inflammation II	-0.005 (-0.357, 0.403)	12.2
YWHAQ	Inflammation II	0.009 (-0.484, 0.531)	11.8
YY1	Inflammation II	0.497 (0.410, 0.565)	12.3
ZBP1	Inflammation II	0.029 (-0.078, 0.188)	12.3
ZNF174	Inflammation II	0.441 (0.379, 0.513)	12.3
ABHD14B	Neurology	-0.001 (-0.404, 0.394)	2.7
ACVRL1	Neurology	-0.009 (-0.186, 0.171)	2.7
ADAM22	Neurology	-0.003 (-0.264, 0.246)	2.5
ADAM8	Neurology	-0.002 (-0.191, 0.179)	1.3
ADGRB3	Neurology	0.000 (-0.252, 0.257)	2.7
AFP	Neurology	0.002 (-0.498, 0.540)	2.9
AGR2	Neurology	0.094 (-0.313, 0.646)	4.2
AHSP	Neurology	-0.016 (-0.676, 0.649)	2.0
AKT1S1	Neurology	-0.013 (-0.520, 0.476)	3.8
ALDH1A1	Neurology	-0.021 (-0.388, 0.395)	1.8
AMFR	Neurology	0.062 (-0.146, 0.367)	3.8
ANXA10	Neurology	-0.018 (-0.409, 0.553)	3.8
ANXA3	Neurology	-0.022 (-0.554, 0.494)	1.3
ANXA5	Neurology	0.339 (0.205, 0.468)	4.0
APOH	Neurology	0.001 (-0.212, 0.224)	1.8
APP	Neurology	0.006 (-0.498, 0.530)	1.8
APRT	Neurology	-0.009 (-0.384, 0.312)	2.5
ARID4B	Neurology	0.236 (0.131, 0.350)	3.8
ARSA	Neurology	-0.005 (-0.296, 0.332)	1.8
ASAH2	Neurology	0.001 (-0.373, 0.340)	2.5
ASGR1	Neurology	-0.009 (-0.236, 0.210)	2.5
ATF2	Neurology	0.393 (0.277, 0.517)	3.8
ATP5PO	Neurology	0.256 (0.138, 0.388)	3.8
ATP6V1F	Neurology	0.034 (-0.296, 0.486)	4.0
ATXN10	Neurology	0.001 (-0.403, 0.510)	3.8
B4GAT1	Neurology	0.003 (-0.177, 0.194)	1.8
BAG3	Neurology	-0.003 (-0.270, 0.254)	2.7
BAX	Neurology	-0.011 (-0.564, 0.649)	4.0
BCAM	Neurology	-0.006 (-0.177, 0.161)	1.8
BCAN	Neurology	0.009 (-0.254, 0.274)	2.5
BIN2	Neurology	-0.005 (-0.680, 0.684)	1.8
BLVRB	Neurology	-0.015 (-0.449, 0.490)	1.8
BMP4	Neurology	-0.006 (-0.290, 0.291)	2.7
BRK1	Neurology	-0.010 (-0.318, 0.301)	3.8
BST1	Neurology	0.000 (-0.302, 0.168)	1.1
BST2	Neurology	-0.004 (-0.289, 0.338)	1.1
C19orf12	Neurology	0.008 (-0.216, 0.420)	3.8
C2CD2L	Neurology	0.018 (-0.179, 0.255)	4.0
CA2	Neurology	-0.014 (-0.519, 0.509)	2.1
CA6	Neurology	0.007 (-0.509, 0.525)	2.1

CALB2	Neurology	0.078 (-0.040, 0.230)	3.8
CALCA	Neurology	-0.033 (-0.523, 0.585)	2.7
CARHSP1	Neurology	-0.007 (-0.349, 0.361)	3.8
CASP1	Neurology	0.201 (-0.053, 0.470)	3.8
CASP10	Neurology	0.014 (-0.306, 0.470)	3.8
CC2D1A	Neurology	-0.023 (-0.549, 0.564)	2.5
CCL19	Neurology	-0.012 (-0.517, 0.702)	1.1
CCL2	Neurology	-0.022 (-0.409, 0.363)	2.7
CCN5	Neurology	-0.019 (-0.338, 0.292)	1.8
CCS	Neurology	0.000 (-0.336, 0.349)	2.5
CD109	Neurology	-0.001 (-0.248, 0.250)	1.8
CD164	Neurology	-0.005 (-0.159, 0.162)	1.8
CD177	Neurology	-0.012 (-0.807, 0.611)	2.0
CD274	Neurology	-0.006 (-0.228, 0.223)	2.5
CD300C	Neurology	-0.004 (-0.252, 0.245)	1.1
CD300LG	Neurology	0.003 (-0.267, 0.289)	1.8
CD34	Neurology	0.004 (-0.164, 0.180)	1.3
CD63	Neurology	-0.002 (-0.413, 0.384)	2.7
CD74	Neurology	-0.012 (-0.266, 0.244)	1.1
CD8A	Neurology	0.000 (-0.345, 0.359)	1.1
CD99	Neurology	-0.006 (-0.172, 0.154)	1.8
CD99L2	Neurology	0.000 (-0.176, 0.181)	1.8
CDCP1	Neurology	-0.016 (-0.425, 0.407)	2.5
CDH15	Neurology	-0.009 (-0.335, 0.401)	1.3
CDH3	Neurology	0.000 (-0.243, 0.246)	1.1
CDHR1	Neurology	0.000 (-0.247, 0.260)	3.8
CERT	Neurology	0.071 (-0.192, 0.454)	3.8
CETN2	Neurology	0.021 (-0.288, 0.502)	3.8
CGA	Neurology	0.019 (-0.852, 1.381)	1.8
CHGB	Neurology	-0.002 (-0.314, 0.288)	1.5
CHMP1A	Neurology	0.000 (-0.635, 0.599)	2.5
CLEC10A	Neurology	-0.001 (-0.267, 0.266)	2.5
CLEC11A	Neurology	-0.008 (-0.342, 0.324)	2.0
CLEC14A	Neurology	-0.008 (-0.233, 0.215)	1.8
CLEC1B	Neurology	0.000 (-0.702, 0.761)	1.1
CLPP	Neurology	-0.009 (-0.729, 0.715)	2.7
CLPS	Neurology	-0.001 (-0.532, 0.495)	2.0
CLSPN	Neurology	0.417 (0.325, 0.511)	4.0
CLSTN1	Neurology	0.014 (-0.223, 0.287)	3.8
CNTN3	Neurology	-0.002 (-0.279, 0.240)	1.8
CNTN4	Neurology	0.000 (-0.177, 0.174)	1.8
CNTN5	Neurology	0.007 (-0.282, 0.307)	1.5
COPE	Neurology	0.357 (0.244, 0.476)	3.8
CPA2	Neurology	0.000 (-0.449, 0.465)	1.6
CPM	Neurology	-0.009 (-0.295, 0.280)	1.5
CPPED1	Neurology	-0.009 (-0.516, 0.493)	1.1
CRADD	Neurology	-0.009 (-0.586, 0.561)	2.7

CRIP2	Neurology	-0.012 (-0.278, 0.250)	2.5
CRTAM	Neurology	-0.002 (-0.372, 0.363)	2.5
CSF2RA	Neurology	-0.005 (-0.483, 0.355)	2.5
CST5	Neurology	0.003 (-0.414, 0.447)	3.5
CTRB1	Neurology	0.000 (-0.372, 0.364)	1.8
CTSS	Neurology	-0.005 (-0.160, 0.154)	21.4
CX3CL1	Neurology	0.000 (-0.233, 0.236)	2.5
CXCL11	Neurology	-0.000 (-0.517, 0.560)	1.1
CXCL13	Neurology	-0.010 (-0.360, 0.360)	1.1
DARS1	Neurology	-0.006 (-0.591, 0.527)	2.7
DBI	Neurology	-0.012 (-0.617, 0.599)	2.3
DCTN6	Neurology	0.039 (-0.218, 0.447)	3.8
DDR1	Neurology	-0.003 (-0.159, 0.155)	1.1
DKK1	Neurology	-0.003 (-0.465, 0.450)	1.1
DKK4	Neurology	-0.009 (-0.319, 0.303)	2.7
DNMBP	Neurology	-0.020 (-0.424, 0.449)	2.5
DPEP1	Neurology	0.000 (-0.380, 0.321)	2.7
DRAXIN	Neurology	-0.010 (-0.311, 0.300)	2.5
DSC2	Neurology	-0.004 (-0.241, 0.239)	2.9
DSG2	Neurology	0.002 (-0.198, 0.207)	1.8
DUSP3	Neurology	0.011 (-0.309, 0.510)	3.8
EBAG9	Neurology	-0.001 (-0.733, 0.719)	2.5
ECE1	Neurology	0.000 (-0.244, 0.237)	3.8
EFNA1	Neurology	-0.006 (-0.194, 0.188)	2.0
EFNA4	Neurology	-0.011 (-0.207, 0.190)	2.7
EIF4B	Neurology	0.000 (-0.451, 0.406)	2.5
ENO1	Neurology	-0.005 (-0.655, 0.576)	2.2
ENO2	Neurology	0.000 (-0.500, 0.519)	1.1
EPHA10	Neurology	0.323 (0.181, 0.474)	3.8
EPHB6	Neurology	-0.001 (-0.216, 0.215)	2.7
EREG	Neurology	-0.001 (-0.531, 0.613)	2.7
EZR	Neurology	-0.004 (-0.179, 0.163)	1.1
F11R	Neurology	-0.008 (-0.415, 0.437)	1.8
FABP5	Neurology	-0.028 (-0.530, 0.486)	1.4
FCER2	Neurology	-0.008 (-0.361, 0.325)	1.8
FCRL5	Neurology	-0.009 (-0.451, 0.417)	1.8
FGR	Neurology	-0.020 (-0.320, 0.331)	3.8
FHIT	Neurology	-0.010 (-0.569, 0.530)	3.8
FKBP4	Neurology	-0.007 (-0.341, 0.322)	2.5
FKBP5	Neurology	0.000 (-0.777, 0.705)	2.5
FKBP7	Neurology	0.218 (0.090, 0.373)	4.0
FLRT2	Neurology	-0.009 (-0.222, 0.188)	2.5
FMNL1	Neurology	-0.017 (-0.368, 0.328)	3.8
FOLR2	Neurology	0.004 (-0.223, 0.223)	1.1
FOSB	Neurology	0.281 (0.172, 0.382)	3.8
FRZB	Neurology	-0.000 (-0.193, 0.163)	2.9
FUT3_FUT5	Neurology	-0.011 (-0.360, 0.327)	1.1

FUT8	Neurology	0.000 (-0.391, 0.485)	2.5
FYB1	Neurology	-0.006 (-0.705, 0.686)	2.0
GBP4	Neurology	0.155 (0.027, 0.359)	3.8
GNDF	Neurology	-0.007 (-0.262, 0.248)	3.8
GFRA3	Neurology	0.000 (-0.206, 0.211)	2.7
GGA1	Neurology	0.312 (0.187, 0.489)	3.8
GGT1	Neurology	-0.013 (-0.368, 0.388)	2.0
GGT5	Neurology	-0.002 (-0.153, 0.143)	2.5
GHRHR	Neurology	0.263 (0.161, 0.395)	3.8
GKN1	Neurology	-0.002 (-0.190, 0.172)	4.3
GLB1	Neurology	-0.005 (-0.301, 0.310)	2.5
GLT8D2	Neurology	0.351 (0.264, 0.457)	3.8
GNLY	Neurology	-0.008 (-0.383, 0.352)	2.0
GOLM2	Neurology	-0.003 (-0.172, 0.164)	1.2
GP6	Neurology	-0.001 (-0.717, 0.662)	2.0
GPC5	Neurology	0.000 (-0.410, 0.410)	2.6
GPKOW	Neurology	0.021 (-0.078, 0.150)	3.8
GRN	Neurology	-0.002 (-0.179, 0.168)	2.5
GSTP1	Neurology	0.160 (-0.126, 0.469)	4.1
GUCA2A	Neurology	0.005 (-0.227, 0.251)	2.4
HARS1	Neurology	-0.002 (-0.604, 0.578)	1.8
HAVCR2	Neurology	-0.010 (-0.253, 0.243)	1.8
HMOX2	Neurology	-0.000 (-0.252, 0.303)	3.9
HNMT	Neurology	-0.013 (-0.358, 0.318)	3.1
HSP90B1	Neurology	0.398 (0.269, 0.539)	4.2
IDI2	Neurology	0.419 (0.276, 0.589)	3.9
IFNGR2	Neurology	0.007 (-0.283, 0.541)	2.6
IFNL1	Neurology	0.385 (0.225, 0.544)	3.9
IGF2R	Neurology	0.000 (-0.177, 0.178)	1.8
IGFBP4	Neurology	-0.018 (-0.303, 0.273)	3.1
IL17RA	Neurology	0.000 (-0.335, 0.295)	1.9
IL18RAP	Neurology	0.003 (-1.008, 1.413)	3.1
IL1R1	Neurology	0.000 (-0.158, 0.152)	2.0
IL1RAP	Neurology	0.007 (-0.266, 0.435)	1.8
IL34	Neurology	0.128 (-0.055, 0.310)	4.0
IL7R	Neurology	0.046 (-0.365, 0.425)	2.0
ILKAP	Neurology	-0.001 (-0.283, 0.379)	3.9
IMPA1	Neurology	-0.002 (-0.436, 0.470)	2.6
ING1	Neurology	0.025 (-0.166, 0.277)	4.0
INHBC	Neurology	-0.006 (-0.365, 0.295)	1.8
IPCEF1	Neurology	-0.017 (-0.670, 0.607)	2.6
ISLR2	Neurology	0.000 (-0.262, 0.269)	4.1
ITGA5	Neurology	-0.003 (-0.198, 0.188)	1.9
ITGAM	Neurology	-0.003 (-0.220, 0.228)	1.8
IVD	Neurology	0.160 (0.013, 0.324)	3.9
JAM2	Neurology	-0.008 (-0.194, 0.176)	1.3
KCNIP4	Neurology	0.404 (0.265, 0.523)	3.9

KEL	Neurology	0.005 (-0.264, 0.273)	3.9
KIRREL2	Neurology	0.001 (-0.273, 0.276)	3.7
KLB	Neurology	0.009 (-0.363, 0.512)	3.9
KRT14	Neurology	0.461 (0.367, 0.549)	6.3
KRT5	Neurology	0.054 (-0.224, 0.409)	3.9
LAIR2	Neurology	0.012 (-0.546, 0.538)	2.7
LAMP2	Neurology	0.002 (-0.145, 0.148)	4.2
LAYN	Neurology	-0.012 (-0.254, 0.230)	2.7
LBR	Neurology	-0.022 (-0.442, 0.429)	1.2
LGALS8	Neurology	0.000 (-0.411, 0.475)	1.1
LIF	Neurology	0.311 (0.154, 0.518)	3.7
LILRA2	Neurology	-0.002 (-0.271, 0.239)	1.9
LPO	Neurology	0.000 (-0.391, 0.423)	4.8
LRPAP1	Neurology	-0.009 (-0.258, 0.271)	1.1
LXN	Neurology	-0.004 (-0.355, 0.413)	2.9
LY96	Neurology	0.000 (-0.238, 0.255)	2.6
LYPD1	Neurology	0.205 (0.097, 0.339)	3.7
MAD1L1	Neurology	-0.017 (-0.304, 0.278)	3.0
MAP4K5	Neurology	0.035 (-0.865, 0.801)	2.9
MAPT	Neurology	1.030 (0.817, 1.207)	3.7
MASP1	Neurology	0.000 (-0.176, 0.168)	2.7
MATN3	Neurology	-0.004 (-0.236, 0.223)	2.7
MAX	Neurology	-0.009 (-0.739, 0.785)	3.6
MDGA1	Neurology	0.000 (-0.604, 0.498)	2.6
MESD	Neurology	0.000 (-0.905, 0.891)	1.8
METAP1	Neurology	0.499 (0.402, 0.577)	3.7
MFGE8	Neurology	-0.005 (-0.323, 0.327)	1.8
MIF	Neurology	-0.009 (-0.535, 0.489)	2.1
MITD1	Neurology	0.019 (-0.723, 0.648)	2.6
MMP13	Neurology	0.326 (0.202, 0.463)	3.7
MMP3	Neurology	-0.018 (-0.483, 0.471)	1.9
MMP8	Neurology	-0.019 (-0.523, 0.489)	1.4
MMP9	Neurology	-0.006 (-0.473, 0.480)	2.2
MPO	Neurology	-0.006 (-0.299, 0.289)	1.9
MRPL46	Neurology	0.239 (0.151, 0.335)	3.9
MSR1	Neurology	-0.012 (-0.362, 0.333)	1.1
MUC13	Neurology	0.002 (-0.342, 0.373)	3.7
MYOC	Neurology	0.009 (-0.342, 0.340)	2.0
NAAA	Neurology	0.000 (-0.386, 0.432)	3.0
NCAM2	Neurology	0.001 (-0.203, 0.212)	1.8
NCAN	Neurology	0.007 (-0.310, 0.321)	1.2
NDRG1	Neurology	0.011 (-0.231, 0.310)	3.8
NEFL	Neurology	-0.011 (-0.355, 0.335)	4.2
NGF	Neurology	0.360 (0.321, 0.401)	2.5
NID2	Neurology	0.005 (-0.500, 0.584)	1.9
NMNAT1	Neurology	-0.010 (-0.479, 0.428)	2.7
NOMO1	Neurology	-0.001 (-0.178, 0.177)	2.1

NOS1	Neurology	-0.004 (-0.366, 0.344)	3.9
NOS3	Neurology	-0.005 (-0.312, 0.319)	3.6
NPTX1	Neurology	0.000 (-0.277, 0.305)	1.9
NRP2	Neurology	0.003 (-0.202, 0.225)	1.9
NSFL1C	Neurology	-0.018 (-0.526, 0.482)	1.2
NTRK3	Neurology	0.000 (-0.177, 0.177)	1.2
NUDT5	Neurology	-0.011 (-0.383, 0.382)	2.0
NXPH1	Neurology	0.003 (-0.204, 0.246)	3.9
OBP2B	Neurology	-0.012 (-0.595, 0.544)	2.9
ODAM	Neurology	0.064 (-0.156, 0.337)	4.0
OGN	Neurology	-0.003 (-0.319, 0.310)	2.0
OXT	Neurology	0.014 (-1.126, 1.239)	1.1
PADI4	Neurology	0.026 (-0.262, 0.417)	3.9
PAEP	Neurology	0.032 (-0.438, 1.232)	2.6
PAK4	Neurology	0.078 (-0.169, 0.439)	3.9
PAMR1	Neurology	0.000 (-0.214, 0.219)	1.9
PARK7	Neurology	-0.010 (-0.397, 0.376)	1.9
PBLD	Neurology	0.002 (-0.246, 0.366)	3.8
PDCD5	Neurology	-0.004 (-0.446, 0.423)	1.2
PEBP1	Neurology	-0.012 (-0.430, 0.407)	1.8
PECAM1	Neurology	0.009 (-0.203, 0.233)	2.0
PFDN2	Neurology	0.357 (0.156, 0.583)	3.9
PHOSPHO1	Neurology	-0.008 (-0.216, 0.190)	2.6
PIGR	Neurology	-0.009 (-0.251, 0.253)	3.0
PIK3IP1	Neurology	-0.001 (-0.188, 0.197)	2.0
PILRA	Neurology	-0.012 (-0.340, 0.280)	1.8
PLA2G10	Neurology	-0.003 (-0.440, 0.440)	2.4
PLA2G7	Neurology	0.009 (-0.231, 0.246)	1.8
PLAU	Neurology	-0.002 (-0.200, 0.195)	1.9
PLIN1	Neurology	0.020 (-0.140, 0.242)	3.7
PMVK	Neurology	-0.005 (-0.859, 0.553)	3.9
PPCDC	Neurology	-0.008 (-0.362, 0.358)	1.1
PPP3R1	Neurology	0.001 (-0.295, 0.298)	2.7
PRDX1	Neurology	-0.003 (-0.541, 0.615)	4.2
PRL	Neurology	0.020 (-0.467, 0.527)	1.3
PRTFDC1	Neurology	-0.002 (-0.884, 0.743)	3.7
PSG1	Neurology	-0.009 (-0.730, 0.620)	2.5
PSME1	Neurology	-0.010 (-0.290, 0.265)	2.5
PSME2	Neurology	-0.013 (-0.288, 0.264)	2.8
PTEN	Neurology	0.259 (0.136, 0.389)	3.7
PTK7	Neurology	0.146 (-0.015, 0.317)	3.8
PTPN1	Neurology	-0.018 (-0.579, 0.606)	2.5
PTPRN2	Neurology	-0.005 (-0.240, 0.223)	3.0
PTS	Neurology	0.003 (-0.346, 0.391)	4.3
PVR	Neurology	0.007 (-0.241, 0.246)	1.2
PXN	Neurology	-0.025 (-0.351, 0.308)	3.9
RAB6B	Neurology	0.581 (0.453, 0.712)	3.8

RASA1	Neurology	0.408 (0.302, 0.506)	3.9
RBKS	Neurology	-0.016 (-0.368, 0.349)	3.9
RELT	Neurology	-0.013 (-0.231, 0.204)	1.8
RGMA	Neurology	-0.001 (-0.225, 0.236)	1.1
RGMB	Neurology	0.000 (-0.194, 0.191)	1.2
RHOC	Neurology	0.029 (-0.903, 0.785)	3.1
ROBO2	Neurology	-0.001 (-0.174, 0.171)	1.3
RSP01	Neurology	-0.008 (-0.260, 0.248)	2.5
RWDD1	Neurology	0.008 (-0.473, 0.472)	1.4
S100A16	Neurology	0.048 (-0.232, 0.362)	4.0
SCARA5	Neurology	0.001 (-0.227, 0.220)	1.2
SCARB1	Neurology	0.229 (0.120, 0.375)	3.8
SCARB2	Neurology	-0.008 (-0.217, 0.212)	3.5
SCARF2	Neurology	-0.008 (-0.238, 0.222)	1.2
SEMA4D	Neurology	0.002 (-0.210, 0.214)	1.3
SERPINB1	Neurology	-0.001 (-0.663, 0.652)	2.2
SERPINB6	Neurology	-0.008 (-0.463, 0.462)	1.4
SERPINB9	Neurology	-0.002 (-0.243, 0.174)	2.6
SESTD1	Neurology	0.216 (0.005, 0.487)	3.7
SETMAR	Neurology	-0.011 (-0.215, 0.193)	3.0
SFRP1	Neurology	-0.012 (-0.327, 0.299)	3.0
SIGLEC15	Neurology	0.149 (-0.034, 0.437)	3.7
SIGLEC5	Neurology	-0.003 (-0.912, 0.450)	1.8
SIRT5	Neurology	0.162 (0.015, 0.349)	3.8
SKAP1	Neurology	-0.004 (-0.549, 0.542)	2.7
SLC16A1	Neurology	0.058 (-0.139, 0.340)	3.9
SLC27A4	Neurology	0.148 (-0.053, 0.398)	3.9
SLC39A14	Neurology	0.000 (-0.218, 0.228)	3.7
SLIT2	Neurology	0.091 (-0.104, 0.316)	3.9
SMARCA2	Neurology	0.087 (-0.120, 0.399)	3.9
SMPD1	Neurology	0.002 (-0.333, 0.347)	1.6
SNCG	Neurology	-0.009 (-0.533, 0.461)	2.7
SOD2	Neurology	-0.003 (-0.252, 0.263)	1.9
SPINK1	Neurology	-0.009 (-0.269, 0.257)	2.0
SPINK5	Neurology	0.000 (-0.243, 0.254)	1.8
SPINT1	Neurology	-0.004 (-0.175, 0.167)	2.2
SPOCK1	Neurology	-0.004 (-0.193, 0.187)	2.5
SSB	Neurology	0.304 (0.163, 0.450)	3.9
STAMBP	Neurology	-0.012 (-0.492, 0.480)	2.8
STC1	Neurology	-0.012 (-0.301, 0.308)	1.2
STC2	Neurology	0.000 (-0.181, 0.185)	2.0
STIP1	Neurology	-0.020 (-0.496, 0.480)	2.1
STK24	Neurology	0.087 (-0.155, 0.498)	3.7
SULT1A1	Neurology	-0.026 (-1.039, 0.868)	1.2
SUMF2	Neurology	-0.007 (-0.403, 0.365)	1.2
SUSD2	Neurology	0.000 (-0.200, 0.201)	1.9
TARBP2	Neurology	0.002 (-0.575, 0.597)	3.9

TBC1D17	Neurology	-0.007 (-0.273, 0.301)	3.7
TBCB	Neurology	-0.008 (-0.821, 0.708)	2.5
TBCC	Neurology	-0.004 (-0.636, 0.615)	2.6
TCL1A	Neurology	0.000 (-0.719, 0.660)	2.7
TDGF1	Neurology	0.067 (-0.494, 1.642)	3.9
TDRKH	Neurology	0.000 (-0.550, 0.616)	3.9
TFF1	Neurology	-0.027 (-0.487, 0.564)	2.2
THBS2	Neurology	-0.003 (-0.242, 0.249)	1.8
THY1	Neurology	-0.009 (-0.222, 0.204)	1.3
TIGAR	Neurology	0.193 (0.028, 0.382)	4.0
TIMP4	Neurology	-0.001 (-0.284, 0.281)	1.9
TMPRSS5	Neurology	0.000 (-0.296, 0.283)	3.0
TMSB10	Neurology	-0.023 (-0.612, 0.555)	1.8
TNFRSF10A	Neurology	-0.014 (-0.256, 0.226)	2.5
TNFRSF10B	Neurology	-0.020 (-0.238, 0.213)	2.5
TNFRSF1A	Neurology	-0.009 (-0.213, 0.206)	1.8
TNFRSF1B	Neurology	-0.006 (-0.236, 0.231)	1.8
TNFRSF21	Neurology	-0.001 (-0.192, 0.193)	1.1
TNFRSF6B	Neurology	-0.019 (-0.390, 0.365)	2.5
TNFRSF8	Neurology	-0.003 (-0.286, 0.296)	1.2
TNFRSF9	Neurology	-0.012 (-0.271, 0.261)	2.5
TNFSF14	Neurology	-0.014 (-0.429, 0.406)	2.5
TNR	Neurology	0.004 (-0.307, 0.328)	2.5
TNXB	Neurology	0.001 (-0.172, 0.181)	1.9
TPPP3	Neurology	0.141 (0.004, 0.278)	3.9
TREML2	Neurology	-0.001 (-0.246, 0.249)	1.8
TST	Neurology	0.007 (-0.436, 0.564)	4.1
TXLNA	Neurology	-0.009 (-0.691, 0.635)	2.6
TXNDC5	Neurology	-0.002 (-0.481, 0.542)	1.3
TXNRD1	Neurology	-0.012 (-0.348, 0.351)	1.9
ULBP2	Neurology	-0.002 (-0.275, 0.254)	2.4
VCAN	Neurology	-0.000 (-0.227, 0.226)	1.4
VSIG4	Neurology	-0.014 (-0.298, 0.271)	1.8
VSTM1	Neurology	0.044 (-0.175, 0.365)	3.8
VTA1	Neurology	0.003 (-0.515, 0.516)	1.2
VWC2	Neurology	-0.004 (-0.299, 0.284)	2.9
WARS	Neurology	-0.000 (-0.253, 0.263)	1.9
WASF3	Neurology	0.688 (0.437, 0.980)	3.8
WFIKKN1	Neurology	0.000 (-0.307, 0.310)	2.8
WWP2	Neurology	-0.007 (-0.400, 0.413)	2.5
XRCC4	Neurology	0.312 (0.196, 0.446)	3.8
ADGRV1	Neurology II	0.390 (0.230, 0.545)	12.7
AGBL2	Neurology II	0.458 (0.265, 0.665)	12.7
AIDA	Neurology II	0.514 (0.387, 0.669)	12.3
AK2	Neurology II	-0.013 (-0.801, 0.723)	9.9
AKR1B10	Neurology II	0.664 (0.499, 0.773)	12.3
AKT2	Neurology II	0.002 (-0.896, 0.846)	9.9

ALDH5A1	Neurology II	0.193 (0.062, 0.365)	9.9
AMIGO1	Neurology II	0.582 (0.481, 0.670)	12.3
AMPD3	Neurology II	-0.003 (-0.465, 0.474)	9.9
AP2B1	Neurology II	0.080 (-0.035, 0.313)	12.3
AP3S2	Neurology II	0.064 (-0.049, 0.330)	9.9
ARFIP1	Neurology II	0.003 (-0.331, 0.482)	9.9
ARHGEF1	Neurology II	-0.007 (-0.665, 0.619)	9.9
ARHGEF10	Neurology II	-0.007 (-0.666, 0.673)	9.9
ARHGEF5	Neurology II	-0.009 (-0.354, 0.373)	12.7
ARID3A	Neurology II	0.200 (0.101, 0.320)	12.7
ARMCX2	Neurology II	0.372 (0.267, 0.480)	12.7
ART5	Neurology II	0.462 (0.375, 0.558)	12.7
ASPSR1	Neurology II	-0.013 (-0.476, 0.472)	9.9
ATXN2	Neurology II	0.002 (-0.421, 0.559)	12.7
ATXN2L	Neurology II	-0.001 (-0.241, 0.294)	9.9
ATXN3	Neurology II	-0.014 (-0.440, 0.410)	9.9
AZI2	Neurology II	0.028 (-0.168, 0.373)	9.9
BAP18	Neurology II	-0.026 (-0.416, 0.382)	9.9
BATF	Neurology II	0.055 (-0.093, 0.363)	12.3
BCAT2	Neurology II	0.581 (0.474, 0.707)	12.7
BCL2L1	Neurology II	-0.004 (-0.741, 0.706)	9.9
BHLHE40	Neurology II	0.792 (0.644, 0.937)	12.7
BLOC1S2	Neurology II	0.432 (0.274, 0.587)	12.7
BLOC1S3	Neurology II	-0.002 (-0.234, 0.294)	9.9
BOLA1	Neurology II	-0.009 (-0.306, 0.308)	12.7
BRD2	Neurology II	0.240 (0.167, 0.317)	12.7
BRME1	Neurology II	0.216 (0.109, 0.317)	12.7
BRSK2	Neurology II	0.336 (0.257, 0.435)	9.9
C1QBP	Neurology II	0.058 (-0.071, 0.272)	9.9
C1QTNF6	Neurology II	1.196 (1.111, 1.264)	9.9
C2orf69	Neurology II	-0.003 (-0.247, 0.312)	12.3
C7orf50	Neurology II	0.013 (-0.043, 0.099)	9.9
CABP2	Neurology II	0.265 (0.120, 0.435)	12.3
CACNA1C	Neurology II	0.266 (0.185, 0.352)	12.7
CACNB1	Neurology II	0.522 (0.417, 0.666)	12.7
CACNB3	Neurology II	-0.003 (-0.513, 0.591)	9.9
CADPS	Neurology II	0.223 (0.140, 0.313)	12.3
CALCB	Neurology II	-0.001 (-0.200, 0.214)	9.9
CAMLG	Neurology II	0.100 (-0.017, 0.319)	12.3
CAMSAP1	Neurology II	-0.019 (-0.780, 0.743)	9.9
CAPS	Neurology II	-0.006 (-0.227, 0.242)	9.9
CASC3	Neurology II	0.168 (0.057, 0.329)	12.3
CASP7	Neurology II	-0.004 (-0.619, 0.578)	9.9
CBLN1	Neurology II	0.370 (0.210, 0.570)	12.7
CCAR2	Neurology II	0.030 (-0.066, 0.199)	9.9
CCDC28A	Neurology II	0.349 (0.269, 0.447)	12.3
CCDC50	Neurology II	-0.012 (-0.328, 0.408)	9.9

CD164L2	Neurology II	0.389 (0.299, 0.480)	12.3
CD3D	Neurology II	0.292 (0.220, 0.377)	12.7
CDAN1	Neurology II	0.337 (0.281, 0.390)	9.9
CDH23	Neurology II	0.357 (0.303, 0.417)	9.9
CDH4	Neurology II	0.527 (0.420, 0.648)	12.7
CDK5RAP3	Neurology II	0.021 (-0.150, 0.370)	9.9
CDKL5	Neurology II	0.529 (0.434, 0.636)	12.7
CEND1	Neurology II	0.004 (-0.184, 0.241)	12.7
CGN	Neurology II	0.404 (0.326, 0.484)	12.3
CHCHD10	Neurology II	-0.019 (-0.294, 0.247)	9.9
CHM	Neurology II	0.065 (-0.126, 0.406)	12.3
CHP1	Neurology II	0.480 (0.341, 0.631)	12.7
CHRM1	Neurology II	0.565 (0.488, 0.647)	12.3
CIT	Neurology II	0.072 (-0.074, 0.267)	12.3
CLEC2L	Neurology II	0.266 (0.190, 0.358)	12.3
CLGN	Neurology II	0.038 (-0.133, 0.291)	12.3
CLIC5	Neurology II	0.172 (0.102, 0.247)	12.3
CLNS1A	Neurology II	0.146 (0.049, 0.257)	12.3
CLSTN3	Neurology II	0.005 (-0.194, 0.198)	9.9
CNGB3	Neurology II	0.041 (-0.096, 0.238)	12.7
CNTF	Neurology II	0.687 (0.581, 0.803)	12.7
CNTNAP4	Neurology II	0.522 (0.425, 0.638)	12.3
COL28A1	Neurology II	0.000 (-0.400, 0.593)	12.3
CORO6	Neurology II	0.244 (0.166, 0.338)	12.7
CRTAP	Neurology II	0.339 (0.272, 0.407)	12.3
CRYBB2	Neurology II	0.000 (-0.192, 0.264)	9.9
CRYGD	Neurology II	-0.005 (-0.691, 0.648)	9.9
CRYM	Neurology II	0.003 (-0.332, 0.461)	12.7
CSNK2A1	Neurology II	-0.004 (-0.270, 0.301)	9.9
CSPG5	Neurology II	0.353 (0.218, 0.489)	12.7
CTNNA1	Neurology II	0.236 (0.164, 0.316)	12.7
CTRL	Neurology II	0.000 (-0.454, 0.435)	9.9
CUZD1	Neurology II	0.336 (0.275, 0.421)	12.3
DCC	Neurology II	0.520 (0.474, 0.559)	12.3
DCUN1D1	Neurology II	0.456 (0.324, 0.594)	12.7
DDHD2	Neurology II	-0.012 (-0.496, 0.473)	9.9
DDX25	Neurology II	0.647 (0.538, 0.770)	12.3
DDX53	Neurology II	0.366 (0.262, 0.465)	12.3
DEFB104A_DEFB	Neurology II	0.306 (0.200, 0.444)	12.7
DEFB116	Neurology II	0.442 (0.344, 0.561)	12.7
DEFB118	Neurology II	0.347 (0.254, 0.430)	12.7
DGCR6	Neurology II	0.014 (-0.123, 0.196)	12.7
DHRS4L2	Neurology II	0.044 (-0.088, 0.288)	9.9
DIPK1C	Neurology II	0.470 (0.387, 0.564)	12.3
DLG4	Neurology II	-0.009 (-0.444, 0.489)	9.9
DLGAP5	Neurology II	0.135 (0.060, 0.250)	9.9
DNAJA4	Neurology II	-0.013 (-0.448, 0.459)	9.9

DNAJC21	Neurology II	0.020 (-0.099, 0.247)	9.9
DNLZ	Neurology II	0.302 (0.171, 0.502)	12.7
DNM3	Neurology II	-0.009 (-0.309, 0.358)	9.9
DNPEP	Neurology II	-0.000 (-0.343, 0.367)	9.9
DOC2B	Neurology II	0.267 (0.195, 0.343)	12.3
DOCK9	Neurology II	0.470 (0.337, 0.666)	12.7
DOK1	Neurology II	-0.004 (-1.066, 0.858)	9.9
DSCAM	Neurology II	0.011 (-0.184, 0.241)	9.9
DTX2	Neurology II	0.225 (0.117, 0.406)	12.3
DUSP29	Neurology II	0.100 (-0.034, 0.345)	12.3
DXO	Neurology II	-0.011 (-0.299, 0.294)	9.9
DYNLT1	Neurology II	-0.016 (-0.391, 0.532)	12.3
ECSCR	Neurology II	0.576 (0.504, 0.668)	12.7
EDF1	Neurology II	-0.008 (-0.340, 0.376)	9.9
EFHD1	Neurology II	-0.002 (-0.221, 0.217)	9.9
EFNB2	Neurology II	0.132 (-0.028, 0.310)	12.3
EIF1AX	Neurology II	0.241 (0.141, 0.381)	9.9
EIF4G3	Neurology II	0.123 (-0.066, 0.444)	9.9
ELAC1	Neurology II	-0.006 (-0.623, 0.574)	9.9
ELAVL4	Neurology II	0.003 (-0.228, 0.373)	12.7
EPB41L5	Neurology II	0.086 (-0.067, 0.312)	12.3
ERC2	Neurology II	0.172 (0.060, 0.373)	12.3
ESYT2	Neurology II	-0.023 (-0.571, 0.570)	9.9
FAM171A2	Neurology II	0.000 (-0.752, 1.151)	9.9
FARSA	Neurology II	-0.003 (-0.209, 0.448)	12.3
FBN2	Neurology II	0.688 (0.510, 0.888)	12.3
FCER1A	Neurology II	-0.001 (-0.152, 0.135)	9.9
FGD3	Neurology II	-0.004 (-0.561, 0.572)	9.9
FGFBP3	Neurology II	0.005 (-0.252, 0.255)	9.9
FH	Neurology II	0.275 (0.141, 0.447)	12.7
FKBP14	Neurology II	-0.006 (-0.717, 0.679)	9.9
FNDC1	Neurology II	0.012 (-0.322, 0.323)	9.9
FRMD7	Neurology II	0.273 (0.221, 0.343)	12.3
FTCD	Neurology II	-0.006 (-0.558, 0.644)	10.1
FZD10	Neurology II	0.386 (0.280, 0.509)	12.3
FZD8	Neurology II	0.220 (0.100, 0.341)	12.7
GABRA4	Neurology II	0.805 (0.705, 0.911)	12.7
GART	Neurology II	0.176 (0.125, 0.235)	9.9
GAST	Neurology II	-0.010 (-0.499, 0.744)	9.9
GBA	Neurology II	0.200 (0.024, 0.389)	12.3
GBP1	Neurology II	-0.007 (-0.357, 0.350)	10.0
GCC1	Neurology II	-0.018 (-0.818, 0.737)	9.9
GFRAL	Neurology II	0.001 (-0.418, 0.424)	12.9
GID8	Neurology II	0.305 (0.251, 0.370)	9.9
GIGYF2	Neurology II	-0.024 (-0.493, 0.502)	9.9
GIPC2	Neurology II	-0.012 (-0.202, 0.183)	9.9
GLP1R	Neurology II	0.454 (0.368, 0.548)	12.5

GNAS	Neurology II	0.000 (-0.363, 0.602)	9.9
GNGT1	Neurology II	0.583 (0.496, 0.676)	12.1
GOLGA3	Neurology II	-0.020 (-0.504, 0.514)	9.8
GPR101	Neurology II	0.300 (0.183, 0.423)	12.5
GPR158	Neurology II	0.019 (-0.146, 0.204)	9.9
GRIK2	Neurology II	0.136 (0.019, 0.274)	10.0
GRIN2B	Neurology II	0.104 (-0.004, 0.259)	12.5
GSTT2B	Neurology II	0.016 (-2.875, 1.494)	10.0
GTPBP2	Neurology II	-0.010 (-0.528, 0.550)	12.2
HDAC9	Neurology II	0.332 (0.222, 0.449)	12.6
HDGFL2	Neurology II	0.010 (-0.400, 0.426)	9.9
HEPACAM2	Neurology II	0.002 (-0.278, 0.280)	9.9
HHEX	Neurology II	0.009 (-0.529, 0.536)	10.0
HIP1R	Neurology II	-0.011 (-0.235, 0.226)	10.1
HJV	Neurology II	0.006 (-0.249, 0.291)	9.9
HLA-A	Neurology II	0.004 (-0.254, 0.220)	9.8
HNF1A	Neurology II	0.602 (0.493, 0.713)	12.2
HNRNPUL1	Neurology II	-0.024 (-0.316, 0.292)	9.7
HSD17B14	Neurology II	0.013 (-0.345, 0.373)	10.1
HTR1A	Neurology II	0.153 (0.037, 0.393)	12.7
HTR1B	Neurology II	0.257 (0.145, 0.408)	12.4
IFNL2	Neurology II	0.332 (0.223, 0.462)	12.5
IFT20	Neurology II	0.090 (-0.036, 0.262)	12.2
IGBP1	Neurology II	0.013 (-0.399, 0.476)	10.0
IGDCC3	Neurology II	1.332 (1.200, 1.421)	12.5
IL13RA2	Neurology II	0.429 (0.337, 0.529)	12.5
IMPACT	Neurology II	0.001 (-0.382, 0.359)	10.0
IMPG1	Neurology II	0.132 (0.039, 0.230)	12.5
INPP5J	Neurology II	-0.001 (-0.198, 0.222)	9.7
INSL3	Neurology II	0.016 (-0.108, 2.028)	9.9
ITPRIP	Neurology II	0.322 (0.218, 0.430)	12.5
KCNC4	Neurology II	0.239 (0.153, 0.355)	12.7
KCNH2	Neurology II	0.365 (0.293, 0.510)	12.2
KCTD5	Neurology II	0.000 (-0.261, 0.285)	11.5
KIAA0319	Neurology II	0.011 (-0.177, 0.211)	10.0
KIF20B	Neurology II	0.234 (0.054, 0.459)	12.7
KIRREL1	Neurology II	0.285 (0.199, 0.390)	12.5
KLF4	Neurology II	0.007 (-0.200, 0.239)	12.5
KLHL41	Neurology II	0.012 (-0.158, 0.280)	9.8
KLRC1	Neurology II	0.199 (0.067, 0.367)	12.4
KLRK1	Neurology II	0.012 (-0.259, 0.284)	10.0
KRT8	Neurology II	0.242 (0.118, 0.392)	12.5
LCN15	Neurology II	-0.004 (-0.296, 0.305)	9.9
LDLRAP1	Neurology II	-0.008 (-0.681, 0.677)	9.8
LELP1	Neurology II	0.347 (0.194, 0.516)	12.5
LEO1	Neurology II	0.092 (0.027, 0.171)	9.8
LETM1	Neurology II	-0.014 (-0.296, 0.322)	9.8

LMNB2	Neurology II	-0.004 (-0.194, 0.177)	9.9
LMOD1	Neurology II	0.000 (-0.216, 0.240)	10.0
LMOD2	Neurology II	0.668 (0.533, 0.785)	12.6
LRFN2	Neurology II	0.501 (0.406, 0.630)	12.2
LRP2	Neurology II	0.431 (0.316, 0.528)	12.3
LRP2BP	Neurology II	0.648 (0.559, 0.757)	12.1
LRRC38	Neurology II	0.202 (0.077, 0.357)	12.2
LRTM1	Neurology II	0.299 (0.209, 0.404)	12.2
LRTM2	Neurology II	0.011 (-0.157, 0.192)	9.9
LYPLA2	Neurology II	0.125 (-0.041, 0.578)	12.7
LYSMD3	Neurology II	0.001 (-0.440, 0.538)	12.2
MAG	Neurology II	0.261 (0.065, 0.442)	12.3
MAP1LC3A	Neurology II	0.327 (0.233, 0.441)	12.7
MAP2	Neurology II	-0.007 (-0.232, 0.310)	9.9
MCEE	Neurology II	0.100 (-0.020, 0.257)	9.9
MDM1	Neurology II	0.278 (0.193, 0.367)	12.3
MFAP3L	Neurology II	0.270 (0.169, 0.404)	12.3
MICALL2	Neurology II	0.054 (-0.151, 0.413)	12.1
MINK1	Neurology II	0.010 (-0.670, 0.635)	9.9
MN1	Neurology II	0.354 (0.246, 0.495)	12.3
MORC3	Neurology II	0.348 (0.271, 0.418)	10.0
MRI1	Neurology II	0.000 (-0.485, 0.404)	12.3
MRPL28	Neurology II	0.172 (0.109, 0.243)	9.8
MRPL58	Neurology II	0.028 (-0.180, 0.440)	9.9
MSLNL	Neurology II	0.322 (0.223, 0.428)	12.1
MTHFD2	Neurology II	0.621 (0.554, 0.677)	10.0
MYCBP2	Neurology II	-0.022 (-0.393, 0.407)	9.8
MYL6B	Neurology II	0.754 (0.651, 0.901)	12.3
MYLPF	Neurology II	0.064 (-0.031, 0.258)	12.2
MYO6	Neurology II	0.327 (0.260, 0.404)	9.8
MYOM1	Neurology II	0.309 (0.206, 0.409)	12.7
NAA80	Neurology II	0.000 (-0.835, 0.859)	12.2
NAPRT	Neurology II	0.064 (-0.032, 0.197)	9.9
NARS1	Neurology II	-0.003 (-0.331, 0.267)	9.7
NEO1	Neurology II	0.001 (-0.143, 0.136)	9.9
NFIC	Neurology II	0.048 (-0.033, 0.174)	10.0
NGRN	Neurology II	0.035 (-0.020, 0.128)	10.0
NLGN1	Neurology II	0.345 (0.245, 0.476)	12.3
NLGN2	Neurology II	0.500 (0.417, 0.609)	12.6
NMT1	Neurology II	0.075 (-0.108, 0.384)	9.8
NRN1	Neurology II	0.362 (0.298, 0.436)	9.8
NRXN3	Neurology II	0.258 (0.198, 0.332)	12.1
NT5C1A	Neurology II	-0.012 (-0.215, 0.200)	9.8
OCLN	Neurology II	-0.019 (-0.295, 0.274)	9.9
OMP	Neurology II	0.280 (0.172, 0.404)	12.6
OPHN1	Neurology II	-0.002 (-0.785, 0.730)	10.0
OSBPL2	Neurology II	0.365 (0.318, 0.425)	9.8

OSTN	Neurology II	0.085 (-0.007, 0.213)	12.3
OTOA	Neurology II	0.106 (0.002, 0.250)	12.6
OTUD7B	Neurology II	0.004 (-0.438, 0.467)	9.9
PAFAH1B3	Neurology II	0.404 (0.287, 0.638)	9.9
PALM2	Neurology II	0.011 (-0.225, 0.287)	10.1
PCARE	Neurology II	0.159 (0.031, 0.377)	12.6
PCBP2	Neurology II	-0.004 (-0.502, 0.489)	9.8
PCDH12	Neurology II	0.004 (-0.164, 0.164)	9.8
PDLIM5	Neurology II	0.019 (-0.919, 0.804)	9.7
PDRG1	Neurology II	0.192 (0.091, 0.330)	12.3
PFDN6	Neurology II	0.213 (0.089, 0.362)	12.1
PGM2	Neurology II	0.123 (0.005, 0.275)	12.3
PHACTR2	Neurology II	-0.002 (-0.814, 0.770)	9.9
PIBF1	Neurology II	-0.012 (-0.517, 0.533)	9.8
PLB1	Neurology II	0.030 (-0.395, 0.413)	10.0
PLCB2	Neurology II	-0.012 (-0.715, 0.644)	9.9
PLEKHO1	Neurology II	-0.003 (-0.444, 0.474)	10.0
PLSCR3	Neurology II	-0.005 (-0.398, 0.408)	9.9
PLXDC2	Neurology II	0.002 (-0.164, 0.164)	9.8
PMS1	Neurology II	0.056 (-0.118, 0.272)	12.2
PNLIPRP1	Neurology II	0.000 (-0.517, 0.538)	9.8
PNMA2	Neurology II	0.279 (0.157, 0.411)	12.5
PPP1R14A	Neurology II	0.019 (-0.505, 0.500)	9.9
PPP1R14D	Neurology II	0.446 (0.329, 0.552)	9.8
PPT1	Neurology II	0.197 (0.108, 0.336)	12.1
PRKAG3	Neurology II	0.631 (0.560, 0.710)	12.1
PRKAR2A	Neurology II	0.007 (-0.599, 0.548)	10.0
PRND	Neurology II	-0.001 (-0.311, 0.318)	9.8
PRSS53	Neurology II	0.123 (-0.016, 0.275)	9.8
PSMD1	Neurology II	0.117 (-0.059, 0.328)	10.0
PSMD5	Neurology II	0.342 (0.262, 0.418)	12.1
PTH	Neurology II	-0.002 (-0.470, 0.511)	12.1
PTPRR	Neurology II	0.000 (-0.232, 0.238)	9.8
RAB3GAP1	Neurology II	0.486 (0.379, 0.588)	12.6
RAC3	Neurology II	0.138 (0.040, 0.301)	12.2
RANBP2	Neurology II	0.534 (0.445, 0.647)	12.5
RBFOX3	Neurology II	-0.015 (-0.263, 0.231)	9.8
RBM17	Neurology II	0.016 (-0.466, 0.597)	10.0
RBP1	Neurology II	0.052 (-0.073, 0.264)	12.1
REEP4	Neurology II	0.004 (-0.236, 0.414)	9.8
RGCC	Neurology II	0.017 (-0.536, 0.512)	9.9
RGS10	Neurology II	0.014 (-0.364, 0.477)	9.8
RLN1	Neurology II	0.291 (0.242, 0.354)	9.9
RNASEH2A	Neurology II	-0.004 (-0.174, 0.258)	9.7
RPGR	Neurology II	0.340 (0.236, 0.449)	12.3
RRAS	Neurology II	0.000 (-0.771, 0.974)	12.2
RRP15	Neurology II	0.736 (0.530, 0.943)	12.5

RTN4IP1	Neurology II	-0.006 (-0.614, 0.616)	9.7
S100A14	Neurology II	0.005 (-0.220, 0.372)	9.9
S100G	Neurology II	-0.003 (-0.255, 0.307)	9.9
SAFB2	Neurology II	0.089 (0.013, 0.187)	10.0
SAG	Neurology II	0.806 (0.690, 0.943)	12.5
SATB1	Neurology II	0.177 (0.100, 0.257)	9.8
SCIN	Neurology II	0.661 (0.474, 0.807)	12.5
SCN2A	Neurology II	0.340 (0.230, 0.450)	12.7
SCN2B	Neurology II	0.727 (0.649, 0.809)	12.3
SCN3A	Neurology II	0.465 (0.380, 0.531)	12.3
SCN3B	Neurology II	0.331 (0.208, 0.442)	12.6
SCT	Neurology II	0.112 (-0.028, 0.313)	12.1
SEPTIN3	Neurology II	0.008 (-0.419, 0.421)	9.9
SEPTIN8	Neurology II	-0.015 (-0.209, 0.194)	9.9
SEZ6	Neurology II	0.015 (-0.120, 0.192)	12.1
SH3BGR12	Neurology II	0.092 (-0.031, 0.286)	12.6
SH3GLB2	Neurology II	-0.010 (-0.475, 0.436)	9.9
SLA2	Neurology II	0.004 (-0.720, 0.711)	9.8
SLC1A4	Neurology II	0.345 (0.237, 0.466)	12.2
SLC44A4	Neurology II	0.292 (0.190, 0.440)	12.2
SMS	Neurology II	0.218 (0.096, 0.390)	12.6
SMTN	Neurology II	-0.025 (-0.568, 0.666)	10.1
SNAP25	Neurology II	0.008 (-0.294, 0.341)	12.4
SNAPIN	Neurology II	-0.017 (-0.403, 0.400)	9.9
SNRPB2	Neurology II	0.008 (-0.181, 0.211)	10.1
SORBS1	Neurology II	0.001 (-0.170, 0.199)	9.9
SOWAHA	Neurology II	0.357 (0.267, 0.475)	12.2
SOX2	Neurology II	0.299 (0.229, 0.356)	10.1
SOX9	Neurology II	0.286 (0.204, 0.368)	12.2
SPACA5_SPACA5	Neurology II	0.117 (0.043, 0.206)	9.9
SPAG1	Neurology II	-0.007 (-0.323, 0.335)	9.7
SPRR3	Neurology II	0.005 (-0.452, 0.479)	9.9
SPTBN2	Neurology II	0.220 (0.128, 0.316)	12.6
SPTLC1	Neurology II	0.002 (-0.120, 0.191)	9.8
STEAP4	Neurology II	0.171 (0.015, 0.371)	12.5
STX1B	Neurology II	0.262 (0.168, 0.357)	12.2
STX3	Neurology II	0.004 (-0.114, 0.158)	9.8
STXBP1	Neurology II	0.015 (-0.519, 0.517)	9.9
SUOX	Neurology II	-0.013 (-0.358, 0.401)	9.9
SV2A	Neurology II	0.190 (0.039, 0.404)	12.2
SYNGAP1	Neurology II	0.287 (0.180, 0.414)	12.6
SYT1	Neurology II	0.000 (-0.191, 0.201)	9.9
TARM1	Neurology II	0.262 (0.140, 0.431)	12.2
TAX1BP1	Neurology II	-0.019 (-0.386, 0.426)	9.9
TBR1	Neurology II	0.367 (0.292, 0.454)	12.2
TDO2	Neurology II	0.319 (0.235, 0.406)	12.2
TEX101	Neurology II	0.198 (0.001, 0.597)	12.3

TFAP2A	Neurology II	0.754 (0.625, 0.890)	12.5
TIMM8A	Neurology II	-0.014 (-0.585, 0.587)	9.9
TJP3	Neurology II	0.235 (0.144, 0.341)	12.6
TMCO5A	Neurology II	0.210 (0.067, 0.379)	12.3
TMEM25	Neurology II	0.008 (-0.228, 0.281)	10.0
TMPRSS11B	Neurology II	0.774 (0.663, 0.880)	12.6
TMPRSS11D	Neurology II	0.001 (-0.232, 0.252)	9.9
TNIP1	Neurology II	-0.026 (-0.637, 0.581)	9.9
TP73	Neurology II	0.293 (0.197, 0.412)	12.3
TPBGL	Neurology II	1.507 (1.355, 1.614)	12.3
TPSD1	Neurology II	0.073 (-0.032, 0.222)	9.9
TRIM40	Neurology II	0.312 (0.079, 0.556)	12.1
TSC22D1	Neurology II	-0.007 (-0.432, 0.450)	9.8
TSPAN7	Neurology II	1.124 (0.996, 1.246)	12.6
TTF2	Neurology II	0.143 (0.001, 0.341)	12.3
TUBB3	Neurology II	0.157 (0.058, 0.244)	12.5
TXNDC9	Neurology II	0.011 (-0.286, 0.392)	10.0
TXNL1	Neurology II	0.355 (0.211, 0.547)	12.6
UPK3A	Neurology II	0.596 (0.468, 0.728)	12.6
UROS	Neurology II	0.316 (0.108, 0.530)	12.1
USP28	Neurology II	0.040 (-0.062, 0.179)	10.1
VAV3	Neurology II	-0.005 (-0.683, 0.661)	12.5
VGF	Neurology II	0.013 (-0.192, 0.238)	9.9
VSNL1	Neurology II	-0.006 (-0.264, 0.274)	9.9
VWC2L	Neurology II	0.001 (-0.190, 0.212)	9.7
WASHC3	Neurology II	0.000 (-0.471, 0.589)	10.0
YAP1	Neurology II	-0.004 (-0.207, 0.197)	9.9
ZHX2	Neurology II	-0.001 (-0.140, 0.165)	10.0
ZPR1	Neurology II	0.192 (0.032, 0.471)	16.0
AARSD1	Oncology	-0.018 (-0.415, 0.381)	2.1
ABL1	Oncology	-0.018 (-0.486, 0.519)	2.1
ACAA1	Oncology	0.031 (-0.365, 0.573)	3.8
ACP6	Oncology	0.001 (-0.472, 0.385)	1.1
ADAMTS15	Oncology	-0.002 (-0.311, 0.312)	2.1
ADAMTS8	Oncology	0.000 (-0.337, 0.343)	1.4
ADCYAP1R1	Oncology	0.040 (-0.079, 0.182)	3.8
ADGRG1	Oncology	-0.018 (-0.283, 0.310)	2.1
ADM	Oncology	-0.012 (-0.256, 0.203)	0.9
AGR3	Oncology	0.155 (-0.019, 0.469)	3.9
AIF1	Oncology	-0.000 (-0.277, 0.349)	3.8
AIFM1	Oncology	-0.032 (-0.814, 0.822)	2.3
AKR1B1	Oncology	-0.002 (-0.554, 0.516)	3.8
AKT3	Oncology	0.005 (-0.319, 0.431)	4.3
ALPP	Oncology	-0.008 (-0.735, 0.760)	2.1
AMBP	Oncology	-0.006 (-0.155, 0.134)	1.1
AMIGO2	Oncology	-0.004 (-0.164, 0.158)	2.1
ANGPT2	Oncology	-0.014 (-0.282, 0.260)	0.9

ANGPTL7	Oncology	-0.007 (-0.259, 0.236)	0.9
ANKRD54	Oncology	-0.008 (-0.335, 0.360)	3.8
APBB1IP	Oncology	-0.022 (-0.313, 0.278)	2.1
APEX1	Oncology	-0.045 (-0.468, 0.369)	1.3
AREG	Oncology	-0.017 (-0.273, 0.274)	2.1
ARG1	Oncology	-0.009 (-0.412, 0.385)	2.5
ARHGAP1	Oncology	-0.002 (-0.342, 0.328)	3.8
ARHGAP25	Oncology	-0.005 (-0.377, 0.405)	3.8
ARSB	Oncology	-0.001 (-0.394, 0.420)	2.1
ATG4A	Oncology	-0.011 (-0.422, 0.418)	3.8
ATOX1	Oncology	-0.010 (-0.587, 0.505)	1.4
ATP6AP2	Oncology	0.110 (-0.027, 0.280)	3.8
ATP6V1D	Oncology	0.246 (0.176, 0.306)	2.1
BAIAP2	Oncology	-0.014 (-0.404, 0.422)	3.8
BAMBI	Oncology	0.294 (0.210, 0.396)	3.8
BGN	Oncology	0.005 (-0.850, 1.060)	3.9
BIRC2	Oncology	0.085 (-0.180, 0.485)	3.8
BTC	Oncology	0.000 (-0.466, 0.530)	3.8
C4BPB	Oncology	0.001 (-0.279, 0.303)	1.4
CA11	Oncology	0.002 (-0.126, 0.147)	3.8
CA12	Oncology	-0.004 (-0.218, 0.210)	2.1
CA14	Oncology	0.007 (-0.263, 0.284)	0.9
CA9	Oncology	0.000 (-0.286, 0.290)	0.9
CALB1	Oncology	-0.002 (-0.272, 0.258)	2.1
CALCOCO1	Oncology	-0.022 (-0.834, 0.775)	1.3
CAMKK1	Oncology	0.025 (-0.176, 0.303)	3.8
CAPG	Oncology	-0.036 (-0.487, 0.373)	2.7
CASP8	Oncology	-0.016 (-0.460, 0.436)	1.2
CBLN4	Oncology	0.000 (-0.214, 0.200)	0.9
CCL8	Oncology	0.000 (-0.438, 0.399)	1.1
CCN1	Oncology	0.000 (-0.606, 0.518)	2.3
CCN4	Oncology	-0.008 (-0.269, 0.292)	0.9
CCT5	Oncology	0.000 (-0.234, 0.308)	3.8
CD1C	Oncology	0.001 (-0.168, 0.172)	1.4
CD207	Oncology	-0.003 (-0.280, 0.268)	4.0
CD27	Oncology	-0.009 (-0.282, 0.278)	1.4
CD28	Oncology	-0.003 (-0.242, 0.245)	3.8
CD300E	Oncology	-0.008 (-0.302, 0.299)	1.2
CD300LF	Oncology	-0.012 (-0.478, 0.304)	0.9
CD302	Oncology	-0.013 (-0.224, 0.202)	2.1
CD33	Oncology	0.000 (-0.740, 0.415)	1.4
CD38	Oncology	-0.016 (-0.296, 0.272)	2.1
CD5	Oncology	-0.001 (-0.238, 0.243)	1.1
CDC27	Oncology	0.002 (-0.290, 0.427)	3.8
CDC37	Oncology	-0.002 (-0.635, 0.655)	1.4
CDHR2	Oncology	-0.029 (-0.792, 0.648)	2.1
CDKN1A	Oncology	0.000 (-0.831, 0.812)	2.1

CDKN2D	Oncology	-0.002 (-0.770, 0.607)	2.1
CDNF	Oncology	-0.004 (-0.238, 0.218)	2.1
CEACAM1	Oncology	0.001 (-0.125, 0.131)	1.4
CEACAM3	Oncology	0.434 (0.302, 0.560)	3.8
CEACAM5	Oncology	-0.001 (-0.306, 0.457)	5.1
CEP20	Oncology	-0.000 (-0.469, 0.544)	3.8
CEP85	Oncology	0.043 (-0.229, 0.463)	3.8
CES2	Oncology	-0.008 (-0.374, 0.397)	2.1
CES3	Oncology	-0.004 (-0.381, 0.456)	2.1
CFC1	Oncology	-0.005 (-0.283, 0.270)	3.8
CHAC2	Oncology	-0.012 (-0.400, 0.406)	3.8
CIAPIN1	Oncology	-0.021 (-0.493, 0.458)	1.4
CLEC6A	Oncology	-0.016 (-0.340, 0.313)	3.8
CLMP	Oncology	-0.004 (-0.178, 0.169)	0.9
CNPY4	Oncology	-0.002 (-0.601, 0.586)	2.1
CNTN2	Oncology	-0.002 (-0.329, 0.360)	0.9
COX5B	Oncology	-0.013 (-0.485, 0.498)	2.1
CPE	Oncology	0.000 (-0.226, 0.203)	1.7
CPVL	Oncology	-0.001 (-0.290, 0.263)	1.2
CPXM1	Oncology	-0.010 (-0.513, 0.530)	1.4
CRACR2A	Oncology	-0.021 (-0.565, 0.615)	3.8
CREG1	Oncology	0.000 (-0.251, 0.277)	3.0
CRH	Oncology	0.008 (-0.611, 0.686)	3.9
CRISP2	Oncology	-0.004 (-0.540, 0.459)	0.9
CRNN	Oncology	0.006 (-0.451, 0.475)	4.7
CTSF	Oncology	-0.004 (-0.309, 0.298)	1.4
CTSV	Oncology	0.004 (-0.278, 0.303)	1.3
CXCL8	Oncology	-0.026 (-0.472, 0.417)	2.6
DAB2	Oncology	-0.009 (-0.919, 0.829)	0.9
DCBLD2	Oncology	-0.011 (-0.267, 0.241)	1.4
DCTN1	Oncology	-0.019 (-0.518, 0.482)	0.9
DCTN2	Oncology	-0.021 (-0.614, 0.638)	2.1
DCXR	Oncology	-0.006 (-0.407, 0.432)	1.4
DDAH1	Oncology	-0.019 (-0.319, 0.309)	2.1
DDX58	Oncology	-0.011 (-0.341, 0.344)	3.8
DEFB4A_DEFB4B	Oncology	-0.037 (-1.224, 1.172)	3.2
DKKL1	Oncology	0.000 (-0.607, 0.525)	2.1
DLL1	Oncology	-0.008 (-0.216, 0.202)	1.4
DNAJB1	Oncology	-0.012 (-0.698, 0.657)	2.1
DPEP2	Oncology	-0.001 (-0.189, 0.183)	2.1
DPP6	Oncology	-0.000 (-0.256, 0.259)	2.1
DPY30	Oncology	-0.027 (-0.431, 0.408)	1.3
DRG2	Oncology	-0.009 (-0.409, 0.447)	2.1
DSG3	Oncology	0.000 (-0.264, 0.254)	1.4
DSG4	Oncology	0.008 (-0.360, 0.373)	2.3
DTX3	Oncology	-0.012 (-0.191, 0.159)	2.1
EBI3_IL27	Oncology	-0.006 (-0.226, 0.212)	1.1

EDA2R	Oncology	-0.023 (-0.337, 0.283)	0.9
EGFL7	Oncology	-0.002 (-0.274, 0.284)	3.8
ELOA	Oncology	-0.035 (-0.347, 0.303)	2.1
ENTPD2	Oncology	0.000 (-0.263, 0.248)	3.8
EPHA2	Oncology	-0.009 (-0.214, 0.200)	5.2
EPS8L2	Oncology	-0.010 (-0.223, 0.202)	1.2
ERBB2	Oncology	-0.003 (-0.193, 0.187)	1.4
ERBB4	Oncology	-0.001 (-0.177, 0.178)	1.4
ERBIN	Oncology	-0.004 (-0.828, 0.770)	2.1
ERP44	Oncology	-0.002 (-0.196, 0.196)	2.3
F3	Oncology	-0.004 (-0.206, 0.197)	1.6
FAM3B	Oncology	-0.004 (-0.271, 0.235)	2.1
FCGR2B	Oncology	0.002 (-0.327, 0.367)	3.8
FCRLB	Oncology	-0.009 (-0.336, 0.350)	3.8
FEN1	Oncology	-0.012 (-0.274, 0.338)	3.8
FES	Oncology	1.539 (1.404, 1.667)	3.8
FGF21	Oncology	-0.036 (-0.941, 0.889)	1.1
FGF23	Oncology	-0.013 (-0.300, 0.320)	1.0
FGFBP1	Oncology	0.006 (-0.225, 0.241)	1.4
FGFR2	Oncology	-0.003 (-0.166, 0.156)	1.4
FLI1	Oncology	-0.006 (-0.778, 0.872)	3.8
FLT1	Oncology	-0.003 (-0.145, 0.143)	2.3
FLT3	Oncology	0.003 (-0.168, 0.197)	3.8
FLT4	Oncology	-0.002 (-0.272, 0.231)	1.4
FMR1	Oncology	0.413 (0.299, 0.525)	3.8
FOLR1	Oncology	-0.004 (-0.212, 0.208)	1.9
FOLR3	Oncology	-3.257 (-3.519, -2.906)	1.6
FOXO3	Oncology	-0.004 (-0.424, 0.636)	3.8
FURIN	Oncology	-0.008 (-0.289, 0.277)	1.4
FUS	Oncology	-0.018 (-0.263, 0.248)	3.9
FXN	Oncology	-0.010 (-0.553, 0.566)	0.9
GALNT10	Oncology	-0.004 (-0.206, 0.192)	2.1
GALNT2	Oncology	0.000 (-0.190, 0.186)	0.9
GALNT7	Oncology	0.000 (-0.143, 0.142)	2.1
GCG	Oncology	0.005 (-0.928, 0.953)	3.8
GCNT1	Oncology	-0.009 (-0.260, 0.237)	2.1
GFAP	Oncology	0.044 (-0.243, 0.378)	3.9
GFER	Oncology	-0.016 (-0.475, 0.485)	3.8
GFOD2	Oncology	0.229 (0.094, 0.725)	3.8
GFRA1	Oncology	-0.002 (-0.212, 0.207)	1.1
GFRA2	Oncology	-0.002 (-0.147, 0.133)	2.1
GH2	Oncology	0.166 (-0.217, 1.229)	3.8
GNE	Oncology	0.012 (-0.396, 0.522)	3.9
GPA33	Oncology	0.000 (-1.146, 1.150)	2.1
GPC1	Oncology	0.000 (-0.221, 0.218)	1.0
GRPEL1	Oncology	-0.011 (-0.382, 0.413)	2.4
GSAP	Oncology	0.108 (-0.047, 0.407)	3.8

GSTA3	Oncology	0.016 (-0.357, 0.592)	3.9
HAGH	Oncology	-0.025 (-0.568, 0.551)	1.2
HAO1	Oncology	-0.020 (-0.960, 1.030)	1.0
HAVCR1	Oncology	-0.019 (-0.477, 0.439)	1.1
HBEGF	Oncology	0.004 (-0.561, 0.573)	1.2
HBQ1	Oncology	0.000 (-0.407, 0.433)	1.0
HDGF	Oncology	-0.037 (-0.799, 0.811)	1.2
HGS	Oncology	-0.007 (-0.546, 0.580)	3.8
HMBS	Oncology	-0.005 (-0.352, 0.311)	1.1
HPGDS	Oncology	0.005 (-0.245, 0.258)	3.8
HS3ST3B1	Oncology	-0.005 (-0.275, 0.260)	2.1
HS6ST1	Oncology	0.000 (-0.235, 0.242)	1.1
HSPB6	Oncology	-0.016 (-0.311, 0.289)	1.0
HTRA2	Oncology	-0.005 (-0.433, 0.452)	1.4
ICOSLG	Oncology	0.009 (-0.131, 0.156)	2.3
IDUA	Oncology	-0.005 (-0.362, 0.319)	1.1
IGF1R	Oncology	0.002 (-0.147, 0.164)	2.4
IGSF3	Oncology	-0.010 (-0.225, 0.228)	2.2
IKZF2	Oncology	0.660 (0.525, 0.809)	3.8
IL12A_IL12B	Oncology	-0.001 (-0.544, 0.574)	2.1
IL13RA1	Oncology	0.010 (-0.143, 0.196)	2.8
IL6	Oncology	-0.026 (-0.474, 0.483)	2.2
INPP1	Oncology	-0.004 (-0.392, 0.393)	2.3
INPPL1	Oncology	-0.008 (-0.754, 0.733)	2.2
IQGAP2	Oncology	-0.027 (-0.399, 0.372)	2.2
ITGAV	Oncology	0.007 (-0.122, 0.136)	1.1
ITGB1BP1	Oncology	0.162 (-0.004, 0.336)	3.8
ITGB5	Oncology	-0.005 (-0.251, 0.261)	1.5
ITGB7	Oncology	-0.007 (-0.306, 0.309)	1.0
KAZALD1	Oncology	-0.002 (-0.318, 0.283)	2.3
KDR	Oncology	0.003 (-0.181, 0.187)	1.5
KIFBP	Oncology	-0.013 (-0.670, 0.566)	2.2
KIR2DL3	Oncology	0.000 (-0.527, 0.602)	3.8
KIR3DL1	Oncology	0.031 (-0.500, 0.948)	3.9
KLK1	Oncology	-0.006 (-0.540, 1.173)	2.3
KLK10	Oncology	-0.005 (-0.283, 0.275)	1.6
KLK11	Oncology	-0.006 (-0.211, 0.190)	2.1
KLK12	Oncology	-0.000 (-0.912, 0.611)	3.7
KLK13	Oncology	-0.001 (-0.318, 0.325)	3.9
KLK14	Oncology	0.000 (-0.340, 0.348)	1.0
KLK4	Oncology	-0.015 (-0.451, 0.435)	0.9
KLK6	Oncology	-0.001 (-0.229, 0.210)	1.8
KLK8	Oncology	-0.002 (-0.255, 0.244)	4.7
KRT18	Oncology	-0.034 (-0.585, 0.612)	2.2
L1CAM	Oncology	0.000 (-0.219, 0.220)	1.5
LAG3	Oncology	-0.007 (-0.282, 0.280)	2.1
LAT2	Oncology	0.000 (-0.939, 0.994)	2.3

LEFTY2	Oncology	0.006 (-0.404, 0.407)	1.3
LGALS7_LGALS7E	Oncology	-0.006 (-0.298, 0.293)	2.3
LHB	Oncology	-0.001 (-0.442, 0.590)	3.7
LPCAT2	Oncology	0.004 (-0.127, 0.184)	2.2
LRIG1	Oncology	0.006 (-0.247, 0.252)	1.4
LRP1	Oncology	-0.000 (-0.183, 0.190)	2.2
LRRC25	Oncology	-0.002 (-0.273, 0.283)	2.3
LSM1	Oncology	0.143 (-0.022, 0.341)	3.8
LTA4H	Oncology	0.095 (-0.168, 0.447)	1.0
LTBP3	Oncology	-0.008 (-0.325, 0.338)	3.7
LYAR	Oncology	0.342 (0.218, 0.489)	3.7
LYN	Oncology	0.031 (-0.662, 0.648)	2.2
LYPD3	Oncology	-0.002 (-0.236, 0.238)	2.1
LYPD8	Oncology	0.081 (-0.114, 0.320)	3.9
MAEA	Oncology	0.114 (-0.021, 0.276)	3.9
MAGED1	Oncology	0.169 (-0.020, 0.390)	3.7
MANSC1	Oncology	0.003 (-0.187, 0.208)	1.7
MAP3K5	Oncology	-0.017 (-0.605, 0.739)	3.7
MAVS	Oncology	-0.013 (-0.684, 0.729)	3.8
MDK	Oncology	0.007 (-0.337, 0.359)	1.6
MED18	Oncology	0.015 (-0.573, 0.577)	3.9
METAP2	Oncology	-0.002 (-0.453, 0.409)	1.2
MIA	Oncology	-0.004 (-0.237, 0.255)	1.6
MME	Oncology	-0.009 (-0.561, 0.701)	2.3
MMP12	Oncology	-0.003 (-0.394, 0.380)	1.9
MOG	Oncology	0.005 (-0.244, 0.266)	1.1
MPI	Oncology	-0.014 (-0.651, 0.645)	2.1
MSLN	Oncology	0.004 (-0.368, 0.417)	2.5
MSRA	Oncology	-0.007 (-0.567, 0.518)	1.6
MUC16	Oncology	0.808 (0.503, 1.156)	2.2
MZT1	Oncology	0.065 (-0.126, 0.347)	3.9
NAMPT	Oncology	0.061 (-0.111, 0.294)	3.8
NBL1	Oncology	-0.010 (-0.194, 0.174)	1.5
NCS1	Oncology	-0.011 (-0.242, 0.203)	1.0
NDUFS6	Oncology	0.007 (-0.356, 0.404)	3.9
NECTIN4	Oncology	-0.005 (-0.208, 0.203)	1.6
NELL1	Oncology	0.000 (-0.285, 0.292)	1.4
NFKBIE	Oncology	-0.014 (-0.335, 0.347)	3.8
NINJ1	Oncology	0.026 (-0.152, 0.263)	3.9
NPTN	Oncology	0.021 (-0.218, 0.364)	3.7
NPY	Oncology	0.015 (-0.493, 0.470)	1.0
NT5E	Oncology	0.000 (-0.341, 0.369)	1.5
NTF4	Oncology	0.021 (-0.117, 0.191)	3.7
NUCB2	Oncology	-0.008 (-0.277, 0.275)	1.1
NUDT2	Oncology	0.012 (-0.262, 0.394)	2.2
OGFR	Oncology	-0.008 (-0.245, 0.228)	2.2
OMG	Oncology	0.021 (-0.480, 0.486)	2.3

OPTC	Oncology	-0.001 (-0.287, 0.293)	2.3
P4HB	Oncology	-0.000 (-0.290, 0.304)	2.2
PDCD1	Oncology	-0.001 (-0.273, 0.284)	1.1
PDCD1LG2	Oncology	-0.004 (-0.239, 0.222)	2.1
PDGFC	Oncology	0.000 (-0.194, 0.184)	3.7
PDP1	Oncology	0.245 (0.122, 0.390)	3.9
PFKFB2	Oncology	-0.024 (-0.558, 0.512)	2.4
PLA2G15	Oncology	-0.005 (-0.189, 0.187)	1.4
PLXDC1	Oncology	0.000 (-0.174, 0.180)	3.8
PODXL	Oncology	0.000 (-0.112, 0.110)	2.1
PODXL2	Oncology	0.002 (-0.195, 0.206)	1.6
POLR2F	Oncology	-0.020 (-0.220, 0.193)	2.3
PPM1A	Oncology	0.314 (0.224, 0.413)	3.8
PPME1	Oncology	-0.015 (-0.468, 0.425)	2.2
PPP1R12A	Oncology	0.004 (-0.664, 0.722)	1.6
PPY	Oncology	-0.010 (-0.757, 0.765)	1.7
PQBP1	Oncology	0.017 (-0.196, 0.286)	3.9
PRDX6	Oncology	0.022 (-0.394, 0.426)	1.0
PRKRA	Oncology	-0.007 (-0.495, 0.509)	3.7
PRTG	Oncology	-0.001 (-0.178, 0.170)	1.1
PSMA1	Oncology	0.467 (0.348, 0.585)	3.9
PSMD9	Oncology	-0.018 (-0.378, 0.368)	2.2
PSRC1	Oncology	0.027 (-0.169, 0.440)	3.9
PVALB	Oncology	0.000 (-0.948, 0.724)	1.3
RABEPK	Oncology	-0.001 (-0.233, 0.349)	3.8
RAD23B	Oncology	0.003 (-0.293, 0.327)	3.8
RANGAP1	Oncology	0.796 (0.690, 0.904)	3.8
RARRES1	Oncology	0.086 (-0.026, 0.218)	3.7
RASSF2	Oncology	-0.024 (-0.333, 0.303)	3.8
RBP2	Oncology	-0.016 (-0.575, 0.565)	2.1
RBP5	Oncology	-0.021 (-0.426, 0.433)	2.3
RET	Oncology	0.004 (-0.288, 0.299)	2.1
RILP	Oncology	-0.018 (-0.473, 0.432)	1.3
RNF41	Oncology	-0.016 (-0.461, 0.476)	3.8
RP2	Oncology	0.000 (-0.267, 0.332)	2.3
RRM2	Oncology	-0.002 (-0.265, 0.287)	3.8
RRM2B	Oncology	0.012 (-0.470, 0.542)	3.9
RSPO3	Oncology	-0.007 (-0.215, 0.202)	0.9
RTBDN	Oncology	0.005 (-0.211, 0.232)	2.4
RTN4R	Oncology	-0.011 (-0.288, 0.259)	1.0
RUVBL1	Oncology	-0.001 (-0.450, 0.688)	3.7
S100A12	Oncology	-0.046 (-0.578, 0.469)	3.2
S100A4	Oncology	-0.022 (-0.448, 0.406)	1.5
SCAMP3	Oncology	-0.019 (-0.635, 0.625)	2.1
SCG2	Oncology	-0.002 (-0.236, 0.227)	1.5
SCLY	Oncology	-0.005 (-0.343, 0.374)	1.5
SCP2	Oncology	0.156 (-0.012, 0.439)	3.9

SEMA4C	Oncology	-0.001 (-0.179, 0.173)	2.1
SEPTIN9	Oncology	0.020 (-0.084, 0.172)	2.3
SERPINA9	Oncology	-0.002 (-0.510, 0.515)	2.6
SEZ6L	Oncology	-0.000 (-0.208, 0.213)	1.4
SEZ6L2	Oncology	0.000 (-0.193, 0.186)	2.1
SF3B4	Oncology	-0.014 (-0.515, 0.533)	2.2
SFTPA1	Oncology	0.208 (0.058, 0.373)	3.8
SFTPA2	Oncology	0.000 (-0.287, 0.368)	3.7
SH2B3	Oncology	-0.000 (-0.726, 0.671)	3.7
SIAE	Oncology	-0.006 (-0.344, 0.349)	1.7
SIGLEC6	Oncology	-0.000 (-0.226, 0.218)	1.0
SIGLEC9	Oncology	-0.000 (-0.222, 0.200)	1.3
SIRT2	Oncology	0.001 (-0.679, 0.654)	2.2
SLAMF6	Oncology	0.003 (-0.237, 0.257)	3.7
SLAMF8	Oncology	0.000 (-0.378, 0.342)	3.9
SLITRK2	Oncology	0.000 (-0.307, 0.294)	1.0
SMAD1	Oncology	-0.002 (-0.540, 0.638)	3.8
SMAD5	Oncology	-0.001 (-0.155, 0.135)	2.2
SMOC1	Oncology	-0.010 (-0.273, 0.237)	0.9
SNAP29	Oncology	-0.003 (-0.679, 0.660)	1.5
SORCS2	Oncology	-0.011 (-0.262, 0.238)	3.7
SORD	Oncology	-0.014 (-0.475, 0.459)	1.4
SPARC	Oncology	0.000 (-0.530, 0.474)	1.4
SPINK6	Oncology	-0.012 (-0.473, 0.373)	1.2
SRC	Oncology	-0.010 (-0.943, 0.854)	1.6
SRP14	Oncology	-0.037 (-0.430, 0.374)	2.2
ST3GAL1	Oncology	0.000 (-0.265, 0.285)	2.1
STAT5B	Oncology	0.036 (-1.060, 1.024)	2.3
STX16	Oncology	0.088 (-0.101, 0.355)	3.9
STX4	Oncology	-0.006 (-0.332, 0.355)	2.3
STX6	Oncology	-0.004 (-0.263, 0.418)	3.8
STXBP3	Oncology	0.305 (0.195, 0.432)	3.8
SUGT1	Oncology	-0.003 (-0.648, 0.605)	3.7
TACC3	Oncology	-0.008 (-0.899, 0.826)	2.5
TACSTD2	Oncology	0.013 (-0.205, 0.238)	12.2
TAF5	Oncology	-0.001 (-0.247, 0.260)	2.3
TBC1D23	Oncology	-0.013 (-0.687, 0.670)	2.2
TBL1X	Oncology	0.019 (-0.649, 0.596)	3.9
TEK	Oncology	0.007 (-0.142, 0.185)	1.6
TFPI2	Oncology	-0.001 (-0.258, 0.263)	1.6
TGFBR2	Oncology	-0.007 (-0.227, 0.224)	1.4
TJAP1	Oncology	0.006 (-0.631, 0.620)	1.6
TMPRSS15	Oncology	-0.000 (-0.684, 0.681)	2.2
TNFRSF12A	Oncology	-0.012 (-0.269, 0.245)	1.4
TNFRSF19	Oncology	-0.010 (-0.229, 0.206)	1.0
TP53	Oncology	0.360 (0.201, 0.521)	3.8
TPMT	Oncology	0.000 (-0.447, 0.480)	3.7