SUPPLEMENTAL DATA

Table S1. Participant demographics.

	Control	**Hypercholesterolemia**	**Coronary Artery Disease**	**Reference Range**	**ANOVA**	**Con|HC**	**Con|CAD**	**HC|CAD**
	n=45	n=51	n=32		p-value	p-value	p-value	p-value
Gender (Female/Male)	24/21	26/25	14/18	-				
Age	42.4 ± 6.2	49.3 ± 10.2	50.5 ± 11.3	-	**0.0002**	**0.0012**	**0.0008**	0.8435
Pulse Wave Velocity (m/s)	9.9 ± 1.9	12.8 ± 3.4	15.0 ± 6.4	<12	**<0.0001**	**0.0023**	**<0.0001**	0.0411
Body Mass Index (kg/m2)	27.3 ± 4.4	30.9 ± 5.5	30.9 ± 5.9	18.5-24.9	**0.0016**	**0.0033**	0.0103	>0.9999
Systolic Blood Pressure (mmHg)	109.0 ± 9.5	116.2 ± 11.5	122.8 ± 12.6	90-139	**<0.0001**	**0.0055**	**<0.0001**	**0.0253**
Diastolic Blood Pressure (mmHg)	71.1 ± 6.2	76.6 ± 7.0	75.5 ± 9.6	60-89	**0.0014**	**0.0014**	**0.0302**	0.8118
Hemoglobin (g/dl)	13.1 ± 2.5	13.8 ± 1.7	13.4 ± 1.5	13-17	0.1672	0.1432	0.7297	0.6097
Red Blood Cell (x10^6/ul)	4.9 ± 0.6	4.8 ± 0.5	4.9 ± 0.5	4.5-5.5	0.8938	0.9946	0.9299	0.8894
White Blood Cell (x10^3/ul)	6.4 ± 1.7	6.4 ± 1.8	7.6 ± 2.1	4.0-10.0	**0.0084**	0.9708	**0.0232**	**0.0109**
Platelet (x10^3/ul)	248.8 ± 77.5	243.3 ± 71.1	240.0 ± 66.7	150-400	0.8644	0.9296	0.8603	0.9774
Urea (mmol/L)	4.7 ± 1.5	4.5 ± 1.4	4.9 ± 1.4	1.7-8.3	0.5245	0.7761	0.8771	0.5058
Creatinine (umol/L)	65.2 ± 14.1	70.3 ± 15.4	73.0 ± 17.4	53-124	0.0823	0.2524	0.0821	0.7218
ALT (U/L)	19.0 ± 8.5	24.5 ± 12.5	23.3 ± 15.8	0-40	0.0826	0.0765	0.2941	0.8949
AST (U/L)	17.6 ± 4.4	19.9 ± 6.1	20.0 ± 9.6	0-40	0.1555	0.1957	0.2551	0.9985
HDL-Cholesterol (mmol/L)	1.5 ± 0.4	1.3 ± 0.3	1.2 ± 0.4	>1.55	**0.0085**	**0.0197**	**0.0235**	0.9644
LDL-Cholesterol (mmol/L)	2.6 ± 0.5	4.1 ± 0.5	2.7 ± 1.0	<3.36	**<0.0001**	**<0.0001**	0.8268	**<0.0001**
Triglyceride (mmol/L)	1.2 ± 0.8	1.9 ± 1.1	1.6 ± 1.0	<1.69	**0.0034**	**0.0023**	0.1647	0.4291
Total Cholesterol (mmol/l)	4.6 ± 0.7	6.2 ± 0.7	4.6 ± 1.2	<5.2	<0.0001	**<0.0001**	0.9838	**<0.0001**
TSH (mIU/L)	1.6 ± 1.0	2.1 ± 1.3	1.7 ± 1.2	0.45-4.5	0.1189	0.1228	0.9518	0.3368

The table represents participant characteristics of the study groups. Values are presented as mean and standard deviation (SD). ANOVA and Turkey's multiple comparison tests were applied using GraphPad Prism 9.2.0 (La Jolla, CA, USA). p-value<0.05 was considered as significant. Abbreviations- ALT: Alanine Aminotransferase, AST: Aspartate Aminotransferase, HDL: High-Density Lipoprotein, LDL: Low-Density Lipoprotein, TSH: Thyroid Stimulating Hormone.

Table S2. List of medications.

Subject ID	Groups	Cholesterol lowering medications	Anti diabetics	Anti hypertensives	anti coagulants	Beta blockers	Others
CAD1	Coronary Artery Disease	statin	metformin, Januvia, insulin, diamicron		aspirin		Lyrica,
CAD2	Coronary Artery Disease	yes		ACE inhibitor	aspirin	atenolol	Omnex, Avodart
CAD3	Coronary Artery Disease	statin	yes	ACE inhibitor	aspirin, pilavix	concor	Isosorbide dinitrate (anti angina)
CAD4	Coronary Artery Disease						
CAD5	Coronary Artery Disease	statin	metformin, Amaryl, Actos,Bydureon	CoAprovel	aspirin	atenolol	
CAD6	Coronary Artery Disease	yes					
CAD7	Coronary Artery Disease	statin			aspirin		
CAD8	Coronary Artery Disease						
CAD9	Coronary Artery Disease						
CAD10	Coronary Artery Disease						
CAD11	Coronary Artery Disease					Concor	Folic Acid
CAD12	Coronary Artery Disease						
CAD13	Coronary Artery Disease	yes	tablet, insulin				Thyroxine, Vit D,
CAD14	Coronary Artery Disease	yes	insulin				heart medication
CAD15	Coronary Artery Disease			amlodipine/ Valsartan			Prednisolone
CAD16	Coronary Artery Disease	yes					Thyroid medicine,heart medicine
CAD17	Coronary Artery Disease	yes	metformin, januvia	norvasc (amlodipine)			
CAD18	Coronary Artery Disease			yes			Heart medicine
CAD19	Coronary Artery Disease			norvasc (amlodipine)			
CAD20	Coronary Artery Disease				aspirin		
CAD21	Coronary Artery Disease	statin	metformin		aspirin, Plavix	Concor	Pariet, Eye Drops
CAD22	Coronary Artery Disease						contraceptive tablet, Ciprofloxacin
CAD23	Coronary Artery Disease			ACE inhibitor	aspitin, crestor		lopresor, Vit D
CAD24	Coronary Artery Disease						Heart medicine, zantac

Subject ID	Groups	Cholesterol lowering medications	Anti diabetics	Anti hypertensives	anti coagulants	Beta blockers	Others
CAD25	Coronary Artery Disease		metformin, diamicron	yes	aspirin		
CAD26	Coronary Artery Disease		metformin, diamicron		aspirin, anticoagulant agent	Concor	
CAD27	Coronary Artery Disease			isoptin SR tablet			
CAD28	Coronary Artery Disease	Statin		Alpha Blocker	Plavix	yes	omega 3
CAD29	Coronary Artery Disease				aspirin, Plavix		
CAD30	Coronary Artery Disease	Omacor	Januvia		aspirin, Plavix	Concor	
CAD31	Coronary Artery Disease	yes					Thyroxine, Vit D
CAD32	Coronary Artery Disease		tablet, Insulin	yes	aspirin		
HC1	Hypercholesterolemia						Vit C, Vit D, Folic acid
HC2	Hypercholesterolemia						Calcitriol, Aprovel, Vit D, Vit B12
HC3	Hypercholesterolemia						
HC4	Hypercholesterolemia						
HC5	Hypercholesterolemia						
HC6	Hypercholesterolemia					Bisoprolol	Midodrine Hydrochloride (vassopressor)
HC7	Hypercholesterolemia						Calcium and Vitamin D, Kelp capsules
HC8	Hypercholesterolemia						
HC9	Hypercholesterolemia						
HC10	Hypercholesterolemia						
HC11	Hypercholesterolemia						
HC12	Hypercholesterolemia						
HC13	Hypercholesterolemia						
HC14	Hypercholesterolemia						
HC15	Hypercholesterolemia						
HC16	Hypercholesterolemia						Vitamin D
HC17	Hypercholesterolemia						
HC18	Hypercholesterolemia						
HC19	Hypercholesterolemia						
HC20	Hypercholesterolemia						Multivitamins
HC21	Hypercholesterolemia			Cozaar			
HC22	Hypercholesterolemia	yes		ACE inhibitor			Vitamin D
HC23	Hypercholesterolemia						
HC24	Hypercholesterolemia						
HC25	Hypercholesterolemia						
HC26	Hypercholesterolemia						Calcium and Vitamin D

Subject ID	Groups	Cholesterol lowering medications	Anti diabetics	Anti hypertensives	anti coagulants	Beta blockers	Others
HC27	Hypercholesterolemia	yes					Vit. D
HC28	Hypercholesterolemia						Multivtamin tablet, iron, vit D
HC29	Hypercholesterolemia						Vit D, Xatral
HC30	Hypercholesterolemia						
HC31	Hypercholesterolemia						Contraceptive pill.
HC32	Hypercholesterolemia						Vit.D
HC33	Hypercholesterolemia						
HC34	Hypercholesterolemia			Narilix	asprin	Tenormin (Atenolol)	Renitec
HC35	Hypercholesterolemia						omega 3
HC36	Hypercholesterolemia						
HC37	Hypercholesterolemia						Vit C, Vit D, Thyroxin
HC38	Hypercholesterolemia						Iron, multivitamin
HC39	Hypercholesterolemia						
HC40	Hypercholesterolemia						Calcium, Vit D
HC41	Hypercholesterolemia						
HC42	Hypercholesterolemia						
HC43	Hypercholesterolemia	yes					Iron, multivitamin
HC44	Hypercholesterolemia						Spray for asthma
HC45	Hypercholesterolemia				asprin		
HC46	Hypercholesterolemia	statin					
HC47	Hypercholesterolemia		yes	yes			
HC48	Hypercholesterolemia						
HC49	Hypercholesterolemia						
HC50	Hypercholesterolemia				Warfarin		
HC51	Hypercholesterolemia						

Table represents the medications used by study participants. Unknown medications were labelled as the patients reported. Empty rows indicate absence of information.

Table S3. Significantly differentially expressed proteins in CAD, HC, and control groups.

CAD | Control							
UniProt ID	Gene Name	Protein ID	ProteinName	Log2 FC	-Log p-value	p-value	q-value
O00253	AGRP	ART	Agouti-related protein	-0.398	4.014	<0.001	0.056
P48061	CXCL12	SDF-1	Stromal cell-derived factor 1	-0.302	3.963	<0.001	**0.030**
Q8NBP7	PCSK9	PCSK9	Proprotein convertase subtilisin/kexin type 9	0.321	3.785	<0.001	**0.040**
P14151	SELL	sL-Selectin	L-Selectin	-0.274	3.348	<0.001	0.095
P55774	CCL18	PARC	C-C motif chemokine 18	0.429	3.275	0.001	0.090
O15444	CCL25	TECK	C-C motif chemokine 25	0.605	3.114	0.001	0.107
P08581	MET	Met	Hepatocyte growth factor receptor	-0.210	3.077	0.001	0.101
P04083	ANXA1	annexin I	Annexin A1	0.386	3.064	0.001	0.091

P17931	LGALS3	Galectin-3	Galectin-3	0.239	3.017	0.001	0.092
P98066	TNFAIP6	TSG-6	Tumor necrosis factor-inducible gene 6 protein	-0.345	2.920	0.001	0.105
P06681	C2	C2	Complement C2	0.147	2.904	0.001	0.101
Q12907	LMAN2	Lectin; mannose-binding 2	Vesicular integral-membrane protein VIP36	0.202	2.799	0.002	0.120
P56199;P05556	ITGA1 ITGB1	Integrin a1b1	Integrin alpha-I: beta-1 complex	0.504	2.784	0.002	0.115
Q9UNA0	ADAMTS5	ADAMTS-5	A disintegrin and metalloproteinase with thrombospondin motifs 5	0.179	2.736	0.002	0.119
Q14432	PDE3A	PDE3A	cGMP-inhibited 3';5'-cyclic phosphodiesterase A	0.247	2.630	0.002	0.144
P13598	ICAM2	sICAM-2	Intercellular adhesion molecule 2	-0.154	2.606	0.002	0.146
P33151	CDH5	Cadherin-5	Cadherin-5	-0.213	2.603	0.002	0.138
P25391;P07942;P11047	LAMA1 LAMB1 LAMC1	Laminin	Laminin	0.291	2.578	0.003	0.141
P05413	FABP3	FABP	Fatty acid-binding protein; heart	0.496	2.567	0.003	0.136
P07359	GP1BA	GP1BA	Platelet glycoprotein Ib alpha chain	-0.212	2.535	0.003	0.138
P07355	ANXA2	annexin II	Annexin A2	0.265	2.507	0.003	0.141
Q9BQB4	SOST	SOST	Sclerostin	0.418	2.491	0.003	0.138
P01567	IFNA7	IFNA7	Interferon alpha-7	-0.394	2.488	0.003	0.133
Q9BYP7	WNK3	WNK3	Serine/threonine-protein kinase WNK3	0.496	2.475	0.003	0.131
P29965	CD40LG	CD40 ligand; soluble	CD40 ligand	0.358	2.435	0.004	0.140
O94991	SLITRK5	SLIK5	SLIT and NTRK-like protein 5	-0.276	2.426	0.004	0.138
P02765	AHSG	a2-HS-Glycoprotein	Alpha-2-HS-glycoprotein	-0.130	2.380	0.004	0.147
P16860	NPPB	BNP-32	Brain natriuretic peptide 32	0.146	2.377	0.004	0.143
Q13557	CAMK2D	CAMK2D	Calcium/calmodulin-dependent protein kinase type II subunit delta	0.687	2.365	0.004	0.142
P10145	CXCL8	IL-8	Interleukin-8	0.208	2.345	0.005	0.145
P17813	ENG	Endoglin	Endoglin	-0.210	2.345	0.005	0.141
P39900	MMP12	MMP-12	Macrophage metalloelastase	0.401	2.334	0.005	0.141
P02753	RBP4	RBP	Retinol-binding protein 4	0.167	2.282	0.005	0.154
P09237	MMP7	MMP-7	Matrilysin	0.313	2.280	0.005	0.151
O15530	PDPK1	PDPK1	3-phosphoinositide-dependent protein kinase 1	0.673	2.216	0.006	0.173
P12956	XRCC6	Ku70	X-ray repair cross-complementing protein 6	0.177	2.187	0.007	0.181
Q99969	RARRES2	TIG2	Retinoic acid receptor responder protein 2	0.170	2.184	0.007	0.178
P10082	PYY	PYY	Peptide YY	0.332	2.181	0.007	0.175
P29353	SHC1	SHC1	SHC-transforming protein 1	0.482	2.168	0.007	0.175
O43278	SPINT1	HAI-1	Kunitz-type protease inhibitor 1	-0.259	2.164	0.007	0.172
P06241	FYN	FYN	Tyrosine-protein kinase Fyn	0.728	2.118	0.008	0.190
P16591	FER	FER	Tyrosine-protein kinase Fer	0.798	2.110	0.008	0.190
Q03403	TFF2	Trefoil factor 2	Trefoil factor 2	0.303	2.090	0.008	0.195
P20810	CAST	Calpastatin	Calpastatin	-0.257	2.078	0.008	0.197
P01033	TIMP1	TIMP-1	Metalloproteinase inhibitor 1	0.142	2.058	0.009	0.203
O60911	CTSV	Cathepsin V	Cathepsin L2	-0.295	2.040	0.009	0.206
Q01469	FABP5	FABPE	Fatty acid-binding protein; epidermal	0.217	2.006	0.010	0.219
Q99988	GDF15	MIC-1	Growth/differentiation factor 15	0.407	1.994	0.010	0.221
P13591	NCAM1	NCAM-120	Neural cell adhesion molecule 1; 120 kDa isoform	-0.199	1.981	0.010	0.224
Q99983	OMD	OMD	Osteomodulin	-0.307	1.963	0.011	0.229
Q99829	CPNE1	CPNE1	Copine-1	0.622	1.961	0.011	0.226
Q06124	PTPN11	SHP-2	Tyrosine-protein phosphatase non-receptor type 11	0.346	1.955	0.011	0.226
P12318	FCGR2A	FCG2A	Low affinity immunoglobulin gamma Fc region receptor II-a	1.619	1.948	0.011	0.225
O15197	EPHB6	EphB6	Ephrin type-B receptor 6	-0.169	1.929	0.012	0.230
Q96BQ1	FAM3D	FAM3D	Protein FAM3D	0.466	1.921	0.012	0.231
Q02223	TNFRSF17	BCMA	Tumor necrosis factor receptor superfamily member 17	-0.176	1.906	0.012	0.234
P09211	GSTP1	Glutathione S-transferase Pi	Glutathione S-transferase P	0.202	1.899	0.013	0.234

Q13554	CAMK2B	CAMK2B	Calcium/calmodulin-dependent protein kinase type II subunit beta	0.501	1.898	0.013	0.231
Q15828	CST6	Cystatin M	Cystatin-M	-0.304	1.886	0.013	0.233
P46531	NOTCH1	Notch 1	Neurogenic locus notch homolog protein 1	-0.105	1.873	0.013	0.236
Q9NP79	VTA1	DRG-1	Vacuolar protein sorting-associated protein VTA1 homolog	0.558	1.873	0.013	0.233
P16860	NPPB	N-terminal pro-BNP	N-terminal pro-BNP	0.577	1.861	0.014	0.237
P06744	GPI	PHI	Glucose-6-phosphate isomerase	0.348	1.841	0.014	0.245
P01871	IGHM IGJ IGK@ IGL@	IgM	Immunoglobulin M	-0.391	1.831	0.015	0.247
P17936	IGFBP3	IGFBP-3	Insulin-like growth factor-binding protein 3	-0.253	1.823	0.015	0.250
P09326	CD48	CD48	CD48 antigen	-0.122	1.818	0.015	0.249
P41743	PRKCI	KPCI	Protein kinase C iota type	0.386	1.815	0.015	0.248
Q9HB63	NTN4	NET4	Netrin-4	-0.150	1.800	0.016	0.254
Q7Z4V5	HDGFRP2	HDGR2	Hepatoma-derived growth factor-related protein 2	0.145	1.765	0.017	0.274
P61769	B2M	b2-Microglobulin	Beta-2-microglobulin	0.149	1.765	0.017	0.270
P54646 O43741 P54619	PRKAA2 PRKAB2 PRKAG1	AMPK a2b2g1	AMP Kinase (alpha2beta2gamma1)	0.567	1.764	0.017	0.266
P45379	TNNT2	Troponin T	Troponin T; cardiac muscle	0.271	1.762	0.017	0.264
O75462 Q9UBD9	CRLF1 CLCF1	CLF-1/CLC Complex	Cytokine receptor-like factor 1:Cardiotrophin-like cytokine factor 1 Complex	-0.220	1.744	0.018	0.272
P27361	MAPK3	ERK-1	Mitogen-activated protein kinase 3	0.474	1.743	0.018	0.269
Q96KQ7	EHMT2	NG36	Histone-lysine N-methyltransferase EHMT2	-0.173	1.731	0.019	0.272
P15498	VAV1	VAV	Proto-oncogene vav	0.599	1.731	0.019	0.269
P20231	TPSB2	TPSB2	Tryptase beta-2	0.464	1.724	0.019	0.270
Q9UQM7	CAMK2A	CAMK2A	Calcium/calmodulin-dependent protein kinase type II subunit alpha	0.389	1.704	0.020	0.282
P20839	IMPDH1	IMDH1	Inosine-5'-monophosphate dehydrogenase 1	0.314	1.674	0.021	0.300
Q04759	PRKCQ	KPCT	Protein kinase C theta type	0.503	1.653	0.022	0.311
O60674	JAK2	JAK2	Tyrosine-protein kinase JAK2	-0.124	1.644	0.023	0.314
P17252	PRKCA	PKC-A	Protein kinase C alpha type	0.594	1.619	0.024	0.329
P17612	PRKACA	PRKACA	cAMP-dependent protein kinase catalytic subunit alpha	0.427	1.618	0.024	0.327
Q8TDQ0	HAVCR2	TIMD3	Hepatitis A virus cellular receptor 2	0.199	1.608	0.025	0.331
P00734	F2	Prothrombin	Prothrombin	-0.089	1.589	0.026	0.342
P52789	HK2	HXK2	Hexokinase-2	0.267	1.585	0.026	0.341
P35916	FLT4	VEGF sR3	Vascular endothelial growth factor receptor 3	-0.192	1.580	0.026	0.341
Q15762	CD226	CD226	CD226 antigen	-0.159	1.576	0.027	0.340
P04070	PROC	Protein C	Vitamin K-dependent protein C	0.114	1.570	0.027	0.341
P05546	SERPIND1	Heparin cofactor II	Heparin cofactor 2	0.160	1.566	0.027	0.341
P20226	TBP	TBP	TATA-box-binding protein	-0.100	1.563	0.027	0.340
Q9NPH3	IL1RAP	IL-1 R AcP	Interleukin-1 Receptor accessory protein	-0.232	1.559	0.028	0.339
P04085	PDGFA	PDGF-AA	Platelet-derived growth factor subunit A	0.503	1.553	0.028	0.340
Q76LX8	ADAMTS13	ATS13	A disintegrin and metalloproteinase with thrombospondin motifs 13	-0.194	1.552	0.028	0.338
P10645	CHGA	CgA	Chromogranin-A	0.372	1.542	0.029	0.342
Q15796	SMAD2	SMAD2	Mothers against decapentaplegic homolog 2	0.551	1.537	0.029	0.342
P08294	SOD3	SOD3	Extracellular superoxide dismutase [Cu-Zn]	-0.530	1.531	0.029	0.344
O43915	FIGF	VEGF-D	Vascular endothelial growth factor D	0.196	1.529	0.030	0.343
Q6NW40	RGMB	RGMB	RGM domain family member B	-0.111	1.523	0.030	0.345
P10909	CLU	Clusterin	Clusterin	0.123	1.521	0.030	0.343
P07948	LYN	LYN	Tyrosine-protein kinase Lyn	0.559	1.520	0.030	0.340
P61328	FGF12	FGF-12	Fibroblast growth factor 12	-0.099	1.520	0.030	0.337
P00740	F9	Coagulation Factor IX	Coagulation factor IX	0.093	1.511	0.031	0.341

Q9NRR2	TPSG1	TPSG1	Tryptase gamma	-0.219	1.501	0.032	0.345
P31151	S100A7	S100A7	Protein S100-A7	-0.206	1.498	0.032	0.345
P40121	CAPG	CAPG	Macrophage-capping protein	0.166	1.492	0.032	0.347
P08684	CYP3A4	Cytochrome P450 3A4	Cytochrome P450 3A4	0.220	1.475	0.034	0.359
Q12884	FAP	SEPR	Prolyl endopeptidase FAP	-0.183	1.472	0.034	0.358
P22626	HNRNPA2B1	hnRNP A2/B1	Heterogeneous nuclear ribonucleoproteins A2/B1	0.215	1.470	0.034	0.356
P50461	CSRP3	CSRP3	Cysteine and glycine-rich protein 3	0.244	1.469	0.034	0.354
P84022	SMAD3	SMAD3	Mothers against decapentaplegic homolog 3	0.354	1.466	0.034	0.353
Q9P286	PAK7	PAK7	Serine/threonine-protein kinase PAK 7	0.132	1.464	0.034	0.352
P00740	F9	Coagulation Factor IXab	Coagulation factor IXab	0.093	1.461	0.035	0.351
O75815	BCAR3	BCAR3	Breast cancer anti-estrogen resistance protein 3	0.249	1.460	0.035	0.349
Q16627	CCL14	HCC-1	C-C motif chemokine 14	0.260	1.460	0.035	0.347
Q96DA6	DNAJC19	DnaJ homolog	Mitochondrial import inner membrane translocase subunit TIM14	0.163	1.451	0.035	0.352
P42680	TEC	TEC	Tyrosine-protein kinase Tec	0.479	1.449	0.036	0.350
Q16288	NTRK3	TrkC	NT-3 growth factor receptor	-0.165	1.448	0.036	0.349
Q96PD4	IL17F	IL-17F	Interleukin-17F	0.230	1.446	0.036	0.347
P51671	CCL11	Eotaxin	Eotaxin	0.207	1.436	0.037	0.354
Q9UMR2	DDX19B	DEAD-box protein 19B	ATP-dependent RNA helicase DDX19B	0.329	1.436	0.037	0.352
Q9NQU5	PAK6	PAK6	Serine/threonine-protein kinase PAK 6	0.598	1.435	0.037	0.349
P07948	LYN	LYNB	Tyrosine-protein kinase Lyn; isoform B	0.498	1.424	0.038	0.356
Q9NP95	FGF20	FGF-20	Fibroblast growth factor 20	-0.152	1.411	0.039	0.364
Q9NR28	DIABLO	SMAC	Diablo homolog; mitochondrial	0.152	1.403	0.039	0.368
Q8TE58	ADAMTS15	ATS15	A disintegrin and metalloproteinase with thrombospondin motifs 15	0.124	1.400	0.040	0.368
Q99714	HSD17B10	ERAB	3-hydroxyacyl-CoA dehydrogenase type-2	0.516	1.393	0.040	0.371
P41182	BCL6	BCL6	B-cell lymphoma 6 protein	-0.321	1.391	0.041	0.371
Q9Y4X3	CCL27	CTACK	C-C motif chemokine 27	0.191	1.391	0.041	0.368
P07996	THBS1	Thrombospondin -1	Thrombospondin-1	0.477	1.389	0.041	0.367
P10147	CCL3	MIP-1a	C-C motif chemokine 3	0.219	1.387	0.041	0.366
O43866	CD5L	CD5L	CD5 antigen-like	-0.276	1.386	0.041	0.364
P15514	AREG	AREG	Amphiregulin	0.350	1.385	0.041	0.362
P36955	SERPINF1	PEDF	Pigment epithelium-derived factor	0.099	1.383	0.041	0.361
P14550	AKR1A1	AK1A1	Alcohol dehydrogenase [NADP(+)]	0.239	1.372	0.043	0.368
P12931	SRC	SRCN1	Proto-oncogene tyrosine-protein kinase Src	0.527	1.371	0.043	0.365
P01880	IGHD IGK@ IGL@	IgD	Immunoglobulin D	-0.972	1.371	0.043	0.362
P01034	CST3	Cystatin C	Cystatin-C	0.134	1.367	0.043	0.364
P04179	SOD2	Mn SOD	Superoxide dismutase [Mn]; mitochondrial	-0.158	1.360	0.044	0.367
Q9UK53	ING1	ING1	Inhibitor of growth protein 1	0.383	1.350	0.045	0.375
P10809	HSPD1	HSP 60	60 kDa heat shock protein; mitochondrial	0.490	1.342	0.045	0.380
Q9UHF5	IL17B	IL-17B	Interleukin-17B	-0.142	1.341	0.046	0.378
P36222	CHI3L1	YKL-40	Chitinase-3-like protein 1	0.599	1.339	0.046	0.377
P19022	CDH2	Cadherin-2	Cadherin-2	0.152	1.339	0.046	0.375
O00220	TNFRSF10A	TRAIL R1	Tumor necrosis factor receptor superfamily member 10A	-0.168	1.334	0.046	0.377
P01275	GCG	Glucagon	Glucagon	0.361	1.333	0.046	0.375
Q49AH0	CDNF	ARMEL	Cerebral dopamine neurotrophic factor	-0.130	1.329	0.047	0.377
P25445	FAS	Fas;soluble	Tumor necrosis factor receptor superfamily member 6	0.195	1.327	0.047	0.375
P14778	IL1R1	IL-1 sRI	Interleukin-1 receptor type 1	-0.178	1.327	0.047	0.373
Q99665	IL12RB2	IL-12 RB2	Interleukin-12 receptor subunit beta-2	-0.200	1.319	0.048	0.378

P98172	EFNB1	EFNB1	Ephrin-B1	0.114	1.315	0.048	0.380
O14791	APOL1	Apo L1	Apolipoprotein L1	-0.181	1.313	0.049	0.378
P05783	KRT18	Keratin 18	Keratin; type I cytoskeletal 18	0.252	1.307	0.049	0.382
P0DMV8	HSPA1A	HSP 70	Heat shock 70 kDa protein 1A	0.191	1.305	0.049	0.381
P10721	KIT	SCF sR	Mast/stem cell growth factor receptor Kit	-0.178	1.304	0.050	0.380
P08962	CD63	CD63	CD63 antigen	0.230	1.302	0.050	0.379
HC | Control							
UniProt ID	**Gene Name**	**Protein ID**	**ProteinName**	**Log2 FC**	**-Log p-value**	**p-value**	**q-value**
Q9NZR2	LRP1B	LRP1B	Low-density lipoprotein receptor-related protein 1B	0.412	12.661	<0.001	**<0.001**
P02649	APOE	Apo E	Apolipoprotein E	0.661	8.040	<0.001	**<0.001**
O95825	CRYZL1	QORL1	Quinone oxidoreductase-like protein 1	0.603	6.708	<0.001	**0.001**
P02649	APOE	Apo E3	Apolipoprotein E (isoform E3)	0.352	6.622	<0.001	**0.001**
P04114	APOB	Apo B	Apolipoprotein B	0.533	6.078	<0.001	**0.001**
P02787	TF	Transferrin	Serotransferrin	-0.158	5.176	<0.001	**0.002**
P02649	APOE	Apo E4	Apolipoprotein E (isoform E4)	0.219	4.183	<0.001	**0.005**
O15444	CCL25	TECK	C-C motif chemokine 25	0.618	3.883	<0.001	**0.010**
P09960	LTA4H	LKHA4	Leukotriene A-4 hydrolase	0.529	3.866	<0.001	**0.009**
P08254	MMP3	MMP-3	Stromelysin-1	0.363	3.405	<0.001	**0.030**
P01008	SERPINC1	Antithrombin III	Antithrombin-III	-0.123	3.379	<0.001	**0.029**
P62306	SNRPF	RUXF	Small nuclear ribonucleoprotein F	0.145	3.162	0.001	**0.042**
Q9BZR6	RTN4R	Nogo Receptor	Reticulon-4 receptor	0.220	3.083	0.001	**0.046**
P01024	C3	C3b	Complement C3b	0.587	3.048	0.001	**0.047**
P78552	IL13RA1	IL-13 Ra1	Interleukin-13 receptor subunit alpha-1	0.228	3.007	0.001	**0.050**
Q8IZU9	KIRREL3	KIRR3	Kin of IRRE-like protein 3	0.127	2.916	0.001	0.061
P81172	HAMP	LEAP-1	Hepcidin	1.527	2.894	0.001	0.061
P57087	JAM2	JAM-B	Junctional adhesion molecule B	0.180	2.884	0.001	0.059
P17931	LGALS3	Galectin-3	Galectin-3	0.175	2.805	0.002	0.066
O95954	FTCD	FTCD	Formimidoyltransferase-cyclodeaminase	0.814	2.777	0.002	0.068
Q14956	GPNMB	GPNMB	Transmembrane glycoprotein NMB	0.175	2.751	0.002	0.070
P21709	EPHA1	EphA1	Ephrin type-A receptor 1	0.267	2.667	0.002	0.084
O75556	SCGB2A1	Mammaglobin 2	Mammaglobin-B	-0.125	2.659	0.002	0.083
Q8TDQ0	HAVCR2	TIMD3	Hepatitis A virus cellular receptor 2	0.229	2.571	0.003	0.098
Q15485	FCN2	FCN2	Ficolin-2	0.224	2.565	0.003	0.097
P05413	FABP3	FABP	Fatty acid-binding protein; heart	0.397	2.528	0.003	0.101
Q01469	FABP5	FABPE	Fatty acid-binding protein; epidermal	0.315	2.454	0.004	0.118
P56159	GFRA1	GFRa-1	GDNF family receptor alpha-1	0.202	2.447	0.004	0.116
Q9NRJ3	CCL28	CCL28	C-C motif chemokine 28	-0.264	2.437	0.004	0.114
O00182	LGALS9	LEG9	Galectin-9	0.273	2.407	0.004	0.120
P01011	SERPINA3	a1-Antichymotrypsin	Alpha-1-antichymotrypsin	-0.091	2.401	0.004	0.117
P23528	CFL1	Cofilin-1	Cofilin-1	-0.390	2.368	0.004	0.123
P19438	TNFRSF1A	TNF sR-I	Tumor necrosis factor receptor superfamily member 1A	0.158	2.343	0.005	0.128
Q92838	EDA	EDA	Ectodysplasin-A; secreted form	0.187	2.291	0.005	0.145
Q92876	KLK6	Kallikrein 6	Kallikrein-6	0.189	2.266	0.005	0.151
Q9Y625	GPC6	GPC6	Glypican-6	0.082	2.256	0.006	0.151
P08174	CD55	DAF	Complement decay-accelerating factor	0.170	2.239	0.006	0.154
P0DMV8	HSPA1A	HSP 70	Heat shock 70 kDa protein 1A	0.207	2.177	0.007	0.176
P20333	TNFRSF1B	TNF sR-II	Tumor necrosis factor receptor superfamily member 1B	0.189	2.157	0.007	0.183
P45985	MAP2K4	MP2K4	Dual specificity mitogen-activated protein kinase kinase 4	-0.224	2.153	0.007	0.181
P01588	EPO	Epo	Erythropoietin	-0.523	2.147	0.007	0.179
P13987	CD59	CD59	CD59 glycoprotein	0.124	2.125	0.007	0.185
P25445	FAS	Fas;soluble	Tumor necrosis factor receptor superfamily member 6	0.189	2.097	0.008	0.193
P29323	EPHB2	EPHB2	Ephrin type-B receptor 2	0.180	2.094	0.008	0.190
Q92956	TNFRSF14	HVEM	Tumor necrosis factor receptor superfamily member 14	0.186	2.040	0.009	0.215
P13497	BMP1	BMP-1	Bone morphogenetic protein 1	0.170	2.014	0.010	0.226

O60258	FGF17	FGF-17	Fibroblast growth factor 17	0.070	2.011	0.010	0.222
Q9BQB4	SOST	SOST	Sclerostin	0.288	1.998	0.010	0.226
Q12805	EFEMP1	FBLN3	EGF-containing fibulin-like extracellular matrix protein 1	0.130	1.990	0.010	0.226
P01031	C5	C5a	C5a anaphylatoxin	0.321	1.970	0.011	0.232
P36955	SERPINF1	PEDF	Pigment epithelium-derived factor	0.111	1.956	0.011	0.237
P10147	CCL3	MIP-1a	C-C motif chemokine 3	0.261	1.935	0.012	0.245
P00749	PLAU	uPA	Urokinase-type plasminogen activator	0.229	1.911	0.012	0.254
P36222	CHI3L1	YKL-40	Chitinase-3-like protein 1	0.643	1.907	0.012	0.252
Q9Y5U5	TNFRSF18	GITR	Tumor necrosis factor receptor superfamily member 18	0.277	1.901	0.013	0.251
P00734	F2	Prothrombin	Prothrombin	-0.086	1.884	0.013	0.257
P24666	ACP1	PPAC	Low molecular weight phosphotyrosine protein phosphatase	-0.569	1.831	0.015	0.292
O95998	IL18BP	IL-18 BPa	Interleukin-18-binding protein	0.166	1.827	0.015	0.289
P16435	POR	NADPH-P450 Oxidoreductase	NADPH--cytochrome P450 reductase	0.264	1.821	0.015	0.288
P01730	CD4	sCD4	T-cell surface glycoprotein CD4	0.085	1.817	0.015	0.285
P61769	B2M	b2-Microglobulin	Beta-2-microglobulin	0.140	1.812	0.015	0.285
P10912	GHR	Growth hormone receptor	Growth hormone receptor	0.195	1.806	0.016	0.284
P48061	CXCL12	SDF-1	Stromal cell-derived factor 1	-0.123	1.801	0.016	0.283
Q9NS68	TNFRSF19	TAJ	Tumor necrosis factor receptor superfamily member 19	0.125	1.797	0.016	0.281
P05546	SERPIND1	Heparin cofactor II	Heparin cofactor 2	0.152	1.790	0.016	0.281
P01034	CST3	Cystatin C	Cystatin-C	0.122	1.765	0.017	0.296
Q9UNA0	ADAMTS5	ADAMTS-5	A disintegrin and metalloproteinase with thrombospondin motifs 5	0.235	1.740	0.018	0.313
P55774	CCL18	PARC	C-C motif chemokine 18	0.250	1.709	0.020	0.331
O60674	JAK2	JAK2	Tyrosine-protein kinase JAK2	-0.109	1.708	0.020	0.328
Q9ULT6	ZNRF3	ZNRF3	E3 ubiquitin-protein ligase ZNRF3	0.222	1.707	0.020	0.324
P19022	CDH2	Cadherin-2	Cadherin-2	0.185	1.704	0.020	0.321
Q6UXM1	LRIG3	LRIG3	Leucine-rich repeats and immunoglobulin-like domains protein 3	0.153	1.690	0.020	0.329
P46527	CDKN1B	p27Kip1	Cyclin-dependent kinase inhibitor 1B	-0.228	1.686	0.021	0.328
P01215;P01225	CGA FSHB	FSH	Follicle stimulating hormone	0.794	1.679	0.021	0.330
P02647	APOA1	Apo A-I	Apolipoprotein A-I	0.125	1.674	0.021	0.330
Q12907	LMAN2	Lectin; mannose-binding 2	Vesicular integral-membrane protein VIP36	0.102	1.664	0.022	0.333
O95633	FSTL3	FSTL3	Follistatin-related protein 3	0.141	1.662	0.022	0.332
P51884	LUM	Lumican	Lumican	0.114	1.649	0.022	0.338
P01033	TIMP1	TIMP-1	Metalloproteinase inhibitor 1	0.098	1.649	0.022	0.334
P78380	OLR1	OLR1	Oxidized low-density lipoprotein receptor 1	0.272	1.636	0.023	0.341
O75509	TNFRSF21	DR6	Tumor necrosis factor receptor superfamily member 21	0.127	1.632	0.023	0.340
Q96KQ7	EHMT2	NG36	Histone-lysine N-methyltransferase EHMT2	-0.141	1.615	0.024	0.350
P16403	HIST1H1C	Histone H1.2	Histone H1.2	0.406	1.605	0.025	0.356
Q16772	GSTA3	GSTA3	Glutathione S-transferase A3	0.365	1.604	0.025	0.352
Q9Y264	ANGPT4	Angiopoietin-4	Angiopoietin-4	-0.272	1.601	0.025	0.350
Q16623	STX1A	STX1a	Syntaxin-1A	0.070	1.599	0.025	0.348
P02794 P02792	FTH1 FTL	Ferritin	Ferritin	0.768	1.596	0.025	0.347
Q86VB7	CD163	sCD163	Scavenger receptor cysteine-rich type 1 protein M130	0.196	1.589	0.026	0.349
Q01344	IL5RA	IL-5 Ra	Interleukin-5 receptor subunit alpha	-0.246	1.588	0.026	0.346
P13686	ACP5	TrATPase	Tartrate-resistant acid phosphatase type 5	0.156	1.573	0.027	0.355
P07451	CA3	Carbonic anhydrase III	Carbonic anhydrase 3	0.290	1.568	0.027	0.355
Q9NQ30	ESM1	Endocan	Endothelial cell-specific molecule 1	-0.168	1.565	0.027	0.354
Q03154	ACY1	Aminoacylase-1	Aminoacylase-1	0.360	1.561	0.027	0.353

P25391;P07942;P11047	LAMA1 LAMB1 LAMC1	Laminin	Laminin	0.163	1.561	0.027	0.350
P16035	TIMP2	TIMP-2	Metalloproteinase inhibitor 2	-0.094	1.559	0.028	0.347
P15692	VEGFA	VEGF	Vascular endothelial growth factor A	0.077	1.557	0.028	0.346
P16333	NCK1	NCK1	Cytoplasmic protein NCK1	-0.305	1.546	0.028	0.351
Q9NPH3	IL1RAP	IL-1 R AcP	Interleukin-1 Receptor accessory protein	-0.197	1.534	0.029	0.360
P40238	MPL	Thrombopoietin Receptor	Thrombopoietin Receptor	-0.100	1.533	0.029	0.356
P13726	F3	TF	Tissue Factor	0.152	1.526	0.030	0.358
P08253	MMP2	MMP-2	72 kDa type IV collagenase	-0.112	1.505	0.031	0.375
P18510	IL1RN	IL-1Ra	Interleukin-1 receptor antagonist protein	0.259	1.504	0.031	0.372
P60880	SNAP25	SNP25	Synaptosomal-associated protein 25	0.193	1.498	0.032	0.374
P10646	TFPI	TFPI	Tissue factor pathway inhibitor	0.137	1.488	0.033	0.381
P20810	CAST	Calpastatin	Calpastatin	-0.189	1.474	0.034	0.390
Q13591	SEMA5A	SEM5A	Semaphorin-5A	0.141	1.468	0.034	0.392
P58294	PROK1	EG-VEGF	Prokineticin-1	0.099	1.463	0.034	0.393
P40121	CAPG	CAPG	Macrophage-capping protein	0.139	1.461	0.035	0.390
P22897	MRC1	Macrophage mannose receptor	Macrophage mannose receptor 1	0.138	1.453	0.035	0.393
P78423	CX3CL1	Fractalkine/ CX3CL-1	Fractalkine	0.144	1.453	0.035	0.390
P00750	PLAT	tPA	Tissue-type plasminogen activator	0.220	1.442	0.036	0.396
P02753	RBP4	RBP	Retinol-binding protein 4	0.095	1.439	0.036	0.396
P01133	EGF	EGF	Epidermal growth factor	-0.180	1.439	0.036	0.392
P10600	TGFB3	TGF-b3	Transforming growth factor beta-3	0.078	1.433	0.037	0.395
Q6UX15	LAYN	Layilin	Layilin	0.138	1.430	0.037	0.395
P0CG48	UBC	PolyUbiquitin K63	PolyUbiquitin K63-linked	0.118	1.423	0.038	0.399
Q9GZV9	FGF23	FGF23	Fibroblast growth factor 23	-0.415	1.420	0.038	0.398
Q9NR28	DIABLO	SMAC	Diablo homolog; mitochondrial	0.082	1.413	0.039	0.401
P07359	GP1BA	GP1BA	Platelet glycoprotein Ib alpha chain	-0.131	1.412	0.039	0.399
P02768	ALB	Albumin	Serum albumin	0.102	1.402	0.040	0.405
Q9H773	DCTPP1	XTP3A	dCTP pyrophosphatase 1	0.156	1.395	0.040	0.410
P52798	EFNA4	Ephrin-A4	Ephrin-A4	0.128	1.393	0.040	0.409
Q9UK55	SERPINA10	protein Z inhibitor	Protein Z-dependent protease inhibitor	0.336	1.381	0.042	0.418
P14543	NID1	Nidogen	Nidogen-1	-0.118	1.378	0.042	0.417
P48740	MASP1	MASP3	Mannan-binding lectin serine protease 1	0.169	1.378	0.042	0.414
O95445	APOM	ApoM	Apolipoprotein M	-0.186	1.372	0.042	0.417
Q9UBU3	GHRL	ghrelin	Appetite-regulating hormone	-0.148	1.365	0.043	0.420
Q14112	NID2	NID2	Nidogen-2	-0.105	1.364	0.043	0.418
Q9UJU6	DBNL	DBNL	Drebrin-like protein	-0.186	1.360	0.044	0.419
P22455	FGFR4	FGFR4	Fibroblast growth factor receptor 4	-0.417	1.358	0.044	0.418
P08833	IGFBP1	IGFBP-1	Insulin-like growth factor-binding protein 1	-0.467	1.355	0.044	0.418
Q96GD4	AURKB	AURKB	Aurora kinase B	0.114	1.353	0.044	0.417
P98073	TMPRSS15	Enterokinase	Enteropeptidase	0.111	1.341	0.046	0.425
P43652	AFM	Afamin	Afamin	0.204	1.339	0.046	0.424
Q96PD4	IL17F	IL-17F	Interleukin-17F	0.155	1.334	0.046	0.427
O00253	AGRP	ART	Agouti-related protein	-0.170	1.333	0.047	0.425
P22692	IGFBP4	IGFBP-4	Insulin-like growth factor-binding protein 4	0.093	1.331	0.047	0.424
P08865	RPSA	40S ribosomal protein SA	40S ribosomal protein SA	-0.193	1.330	0.047	0.422
O60259	KLK8	kallikrein 8	Kallikrein-8	0.156	1.315	0.048	0.436
P14151	SELL	sL-Selectin	L-Selectin	-0.114	1.310	0.049	0.439
CAD | HC							
UniProt ID	**Gene Name**	**Protein ID**	**ProteinName**	**Log2 FC**	**-Log p-value**	**p-value**	**q-value**
Q9NZR2	LRP1B	LRP1B	Low-density lipoprotein receptor-related protein 1B	-0.318	6.100	<0.001	**<0.001**
P04114	APOB	Apo B	Apolipoprotein B	-0.615	5.981	<0.001	**<0.001**
P06241	FYN	FYN	Tyrosine-protein kinase Fyn	1.011	4.677	<0.001	**0.005**

O95825	CRYZL1	QORL1	Quinone oxidoreductase-like protein 1	-0.550	4.468	<0.001	**0.006**
Q9BYP7	WNK3	WNK3	Serine/threonine-protein kinase WNK3	0.660	4.398	<0.001	**0.008**
Q49AH0	CDNF	ARMEL	Cerebral dopamine neurotrophic factor	-0.227	4.331	<0.001	**0.008**
Q13554	CAMK2B	CAMK2B	Calcium/calmodulin-dependent protein kinase type II subunit beta	0.699	4.201	<0.001	**0.008**
Q99714	HSD17B10	ERAB	3-hydroxyacyl-CoA dehydrogenase type-2	0.832	4.065	<0.001	**0.010**
P29353	SHC1	SHC1	SHC-transforming protein 1	0.604	4.058	<0.001	**0.009**
P02649	APOE	Apo E3	Apolipoprotein E (isoform E3)	-0.309	3.964	<0.001	**0.010**
O15530	PDPK1	PDPK1	3-phosphoinositide-dependent protein kinase 1	0.832	3.947	<0.001	**0.010**
P16591	FER	FER	Tyrosine-protein kinase Fer	1.007	3.894	<0.001	**0.010**
P15498	VAV1	VAV	Proto-oncogene vav	0.842	3.882	<0.001	**0.010**
P02649	APOE	Apo E	Apolipoprotein E	-0.497	3.852	<0.001	**0.010**
P54646 O43741 P54619	PRKAA2 PRKAB2 PRKAG1	AMPK a2b2g1	AMP Kinase (alpha2beta2gamma1)	0.745	3.760	<0.001	**0.013**
P12931	SRC	SRCN1	Proto-oncogene tyrosine-protein kinase Src	0.775	3.682	<0.001	**0.014**
Q9UQM7	CAMK2A	CAMK2A	Calcium/calmodulin-dependent protein kinase type II subunit alpha	0.547	3.671	<0.001	**0.013**
P10082	PYY	PYY	Peptide YY	0.390	3.559	<0.001	**0.017**
Q13557	CAMK2D	CAMK2D	Calcium/calmodulin-dependent protein kinase type II subunit delta	0.820	3.510	<0.001	**0.018**
O43318 Q15750	MAP3K7 TAB1	TAK1-TAB1	Mitogen-activated protein kinase kinase kinase 7:TGF-beta-activated kinase 1 and MAP3K7-binding protein 1 fusion	0.343	3.473	<0.001	**0.019**
Q15796	SMAD2	SMAD2	Mothers against decapentaplegic homolog 2	0.753	3.388	<0.001	**0.023**
Q13093	PLA2G7	PAFAH	Platelet-activating factor acetylhydrolase	-0.264	3.372	<0.001	**0.022**
Q05655	PRKCD	PKC-D	Protein kinase C delta type	0.264	3.358	<0.001	**0.022**
P10809	HSPD1	HSP 60	60 kDa heat shock protein; mitochondrial	0.796	3.334	<0.001	**0.022**
Q14432	PDE3A	PDE3A	cGMP-inhibited 3';5'-cyclic phosphodiesterase A	0.264	3.329	<0.001	**0.021**
P07948	LYN	LYNB	Tyrosine-protein kinase Lyn; isoform B	0.693	3.297	0.001	**0.022**
P42574	CASP3	Caspase-3	Caspase-3	0.644	3.287	0.001	**0.021**
P06681	C2	C2	Complement C2	0.143	3.269	0.001	**0.021**
P07948	LYN	LYN	Tyrosine-protein kinase Lyn	0.750	3.252	0.001	**0.022**
P84022	SMAD3	SMAD3	Mothers against decapentaplegic homolog 3	0.491	3.226	0.001	**0.022**
P01275	GCG	Glucagon	Glucagon	0.642	3.223	0.001	**0.021**
Q8IU54	IFNL1	IFN-lambda 1	Interferon lambda-1	0.257	3.222	0.001	**0.021**
P41743	PRKCI	KPCI	Protein kinase C iota type	0.462	3.199	0.001	**0.021**
Q8NBP7	PCSK9	PCSK9	Proprotein convertase subtilisin/kexin type 9	0.293	3.192	0.001	**0.020**
P42680	TEC	TEC	Tyrosine-protein kinase Tec	0.635	3.150	0.001	**0.022**
O76074	PDE5A	PDE5A	cGMP-specific 3';5'-cyclic phosphodiesterase	0.684	3.130	0.001	**0.023**
P62993	GRB2	GRB2 adapter protein	Growth factor receptor-bound protein 2	0.541	3.122	0.001	**0.022**
P17252	PRKCA	PKC-A	Protein kinase C alpha type	0.758	3.045	0.001	**0.026**
P02649	APOE	Apo E4	Apolipoprotein E (isoform E4)	-0.206	2.988	0.001	**0.030**
P30405	PPIF	Cyclophilin F	Peptidyl-prolyl cis-trans isomerase F; mitochondrial	0.733	2.969	0.001	**0.030**
P31751	AKT2	PKB beta	RAC-beta serine/threonine-protein kinase	0.535	2.965	0.001	**0.029**
O43765	SGTA	SGTA	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	0.529	2.939	0.001	**0.030**
P31785	IL2RG	IL-2 sRg	Cytokine receptor common subunit gamma	0.414	2.902	0.001	**0.032**
P05451	REG1A	PSP	Lithostathine-1-alpha	0.331	2.902	0.001	**0.031**

P78344	EIF4G2	IF4G2	Eukaryotic translation initiation factor 4 gamma 2	0.687	2.901	0.001	**0.031**
Q96DA6	DNAJC19	DnaJ homolog	Mitochondrial import inner membrane translocase subunit TIM14	0.232	2.890	0.001	**0.031**
Q99829	CPNE1	CPNE1	Copine-1	0.694	2.871	0.001	**0.031**
Q6UXD5	SEZ6L2	SE6L2	Seizure 6-like protein 2	0.470	2.871	0.001	**0.031**
Q9NP79	VTA1	DRG-1	Vacuolar protein sorting-associated protein VTA1 homolog	0.628	2.860	0.001	**0.031**
P15514	AREG	AREG	Amphiregulin	0.477	2.842	0.001	**0.032**
Q15056	EIF4H	eIF-4H	Eukaryotic translation initiation factor 4H	0.606	2.829	0.001	**0.032**
P51812	RPS6KA3	RPS6KA3	Ribosomal protein S6 kinase alpha-3	0.522	2.810	0.002	**0.033**
O00170	AIP	AIP	AH receptor-interacting protein	0.495	2.803	0.002	**0.033**
O75556	SCGB2A1	Mammaglobin 2	Mammaglobin-B	0.140	2.794	0.002	**0.033**
O94991	SLITRK5	SLIK5	SLIT and NTRK-like protein 5	-0.280	2.787	0.002	**0.033**
Q9BX67	JAM3	JAM-C	Junctional adhesion molecule C	0.297	2.783	0.002	**0.032**
Q9UK53	ING1	ING1	Inhibitor of growth protein 1	0.515	2.775	0.002	**0.033**
Q9UBC2	EPS15L1	EP15R	Epidermal growth factor receptor substrate 15-like 1	0.365	2.769	0.002	**0.033**
P09960	LTA4H	LKHA4	Leukotriene A-4 hydrolase	-0.389	2.762	0.002	**0.032**
O43320	FGF16	FGF-16	Fibroblast growth factor 16	0.426	2.736	0.002	**0.034**
P10645	CHGA	CgA	Chromogranin-A	0.560	2.715	0.002	**0.035**
P23528	CFL1	Cofilin-1	Cofilin-1	0.439	2.706	0.002	**0.035**
Q92838	EDA	EDA	Ectodysplasin-A; secreted form	-0.224	2.696	0.002	**0.035**
P61960	UFM1	UFM1	Ubiquitin-fold modifier 1	0.430	2.685	0.002	**0.036**
P25098	ADRBK1	BARK1	beta-adrenergic receptor kinase 1	0.563	2.677	0.002	**0.036**
P14618	PKM2	M2-PK	Pyruvate kinase PKM	0.647	2.668	0.002	**0.036**
Q9Y3A5	SBDS	SBDS	Ribosome maturation protein SBDS	0.614	2.652	0.002	**0.037**
P42224	STAT1	STAT1	Signal transducer and activator of transcription 1-alpha/beta	0.617	2.645	0.002	**0.038**
P03956	MMP1	MMP-1	Interstitial collagenase	0.493	2.636	0.002	**0.038**
O95219	SNX4	Sorting nexin 4	Sorting nexin-4	0.603	2.628	0.002	**0.039**
P50461	CSRP3	CSRP3	Cysteine and glycine-rich protein 3	0.281	2.614	0.002	**0.039**
P08581	MET	Met	Hepatocyte growth factor receptor	-0.200	2.606	0.002	**0.040**
Q6UWB1	IL27RA	TCCR	Interleukin-27 receptor subunit alpha	-0.198	2.602	0.002	**0.040**
P24534	EEF1B2	EF-1-beta	Elongation factor 1-beta	0.345	2.592	0.003	**0.040**
Q9UNZ2	NSFL1C	NSF1C	NSFL1 cofactor p47	0.353	2.581	0.003	**0.040**
P17612	PRKACA	PRKACA	cAMP-dependent protein kinase catalytic subunit alpha	0.480	2.560	0.003	**0.042**
P40763	STAT3	STAT3	Signal transducer and activator of transcription 3	0.586	2.555	0.003	**0.043**
Q04759	PRKCQ	KPCT	Protein kinase C theta type	0.541	2.551	0.003	**0.043**
Q92934	BAD	BAD	Bcl2-associated agonist of cell death	0.476	2.548	0.003	**0.042**
P10912	GHR	Growth hormone receptor	Growth hormone receptor	-0.286	2.542	0.003	**0.042**
P04406	GAPDH	GAPDH; liver	Glyceraldehyde-3-phosphate dehydrogenase	0.495	2.530	0.003	**0.043**
P0DML2 P0DML3	CSH1 CSH2	CSH	Chorionic somatomammotropin hormone	0.483	2.526	0.003	**0.043**
P78552	IL13RA1	IL-13 Ra1	Interleukin-13 receptor subunit alpha-1	-0.224	2.518	0.003	**0.044**
P46108	CRK	CRK	Adapter molecule crk	0.297	2.515	0.003	**0.044**
Q15485	FCN2	FCN2	Ficolin-2	-0.298	2.485	0.003	**0.047**
P49840 P49841	GSK3A GSK3B	GSK-3 alpha/beta	Glycogen synthase kinase-3 alpha/beta	0.543	2.457	0.003	**0.049**
Q06187	BTK	BTK	Tyrosine-protein kinase BTK	0.681	2.454	0.004	**0.049**
P68400 P67870	CSNK2A1 CSNK2B	CK2-A1:B	Casein kinase II 2-alpha:2-beta heterotetramer	0.497	2.444	0.004	0.050
P41240	CSK	CSK	Tyrosine-protein kinase CSK	0.672	2.441	0.004	0.050
P31749 P31751 Q9Y243	AKT1 AKT2 AKT3	PKB a/b/g	RAC-alpha/beta/gamma serine/threonine-protein kinase	0.447	2.427	0.004	0.051
Q9NP95	FGF20	FGF-20	Fibroblast growth factor 20	-0.163	2.405	0.004	0.053
Q8N1Q1	CA13	Carbonic anhydrase XIII	Carbonic anhydrase 13	0.557	2.400	0.004	0.054
P00734	F2	Thrombin	Thrombin	-0.334	2.399	0.004	0.053
P02788	LTF	Lactoferrin	Lactotransferrin	-0.377	2.396	0.004	0.053

P11387	TOP1	Topoisomerase I	DNA topoisomerase 1	-0.347	2.386	0.004	0.054
Q9NYA1	SPHK1	Sphingosine kinase 1	Sphingosine kinase 1	0.627	2.384	0.004	0.053
P63279	UBE2I	UBC9	SUMO-conjugating enzyme UBC9	0.374	2.371	0.004	0.055
P62937	PPIA	Cyclophilin A	Peptidyl-prolyl cis-trans isomerase A	0.351	2.358	0.004	0.056
P53582	METAP1	METAP1	Methionine aminopeptidase 1	0.612	2.356	0.004	0.056
O43488	AKR7A2	Aflatoxin B1 aldehyde reductase	Aflatoxin B1 aldehyde reductase member 2	0.609	2.342	0.005	0.057
Q9NRR2	TPSG1	TPSG1	Tryptase gamma	-0.267	2.333	0.005	0.058
Q9BY79	MFRP	MFRP	Membrane frizzled-related protein	0.187	2.327	0.005	0.058
P01127	PDGFB	PDGF-BB	Platelet-derived growth factor subunit B	0.575	2.326	0.005	0.058
O43278	SPINT1	HAI-1	Kunitz-type protease inhibitor 1	-0.286	2.326	0.005	0.057
P16112	ACAN	Aggrecan	Aggrecan core protein	-0.152	2.326	0.005	0.057
Q9NRJ3	CCL28	CCL28	C-C motif chemokine 28	0.269	2.323	0.005	0.056
Q9NP97	DYNLRB1	DLRB1	Dynein light chain roadblock-type 1	0.564	2.306	0.005	0.058
P07195	LDHB	LDH-H 1	L-lactate dehydrogenase B chain	0.242	2.303	0.005	0.058
Q99988	GDF15	MIC-1	Growth/differentiation factor 15	0.333	2.295	0.005	0.059
O00299	CLIC1	NCC27	Chloride intracellular channel protein 1	0.497	2.293	0.005	0.059
P49336 P24863	CDK8 CCNC	CDK8/cyclin C	Cyclin-dependent kinase 8:Cyclin-C complex	0.226	2.283	0.005	0.059
P43490	NAMPT	PBEF	Nicotinamide phosphoribosyltransferase	-0.290	2.283	0.005	0.059
P01024	C3	C3b	Complement C3b	-0.539	2.275	0.005	0.060
O43323	DHH	DHH	Desert hedgehog protein N-product	0.308	2.273	0.005	0.060
Q9Y5N5	N6AMT1	HEMK2	HemK methyltransferase family member 2	0.348	2.270	0.005	0.059
Q16539	MAPK14	MAPK14	Mitogen-activated protein kinase 14	0.418	2.267	0.005	0.059
P05771	PRKCB	PKC-B-II	Protein kinase C beta type (splice variant beta-II)	0.664	2.260	0.005	0.060
P63104	YWHAZ	14-3-3 protein zeta/delta	14-3-3 protein zeta/delta	0.386	2.244	0.006	0.061
P09936	UCHL1	PGP9.5	Ubiquitin carboxyl-terminal hydrolase isozyme L1	0.257	2.234	0.006	0.062
P50579	METAP2	AMPM2	Methionine aminopeptidase 2	0.403	2.232	0.006	0.062
P07900 P08238	HSP90AA1 HSP90AB1	HSP 90a/b	Heat shock protein HSP 90-alpha/beta	0.404	2.231	0.006	0.062
Q969D9	TSLP	TSLP	Thymic stromal lymphopoietin	0.156	2.224	0.006	0.062
Q96GD0	PDXP	PLPP	Pyridoxal phosphate phosphatase	0.427	2.224	0.006	0.062
P18031	PTPN1	PTP-1B	Tyrosine-protein phosphatase non-receptor type 1	0.229	2.221	0.006	0.062
P81172	HAMP	LEAP-1	Hepcidin	-1.293	2.218	0.006	0.061
P46734	MAP2K3	MP2K3	Dual specificity mitogen-activated protein kinase kinase 3	0.294	2.213	0.006	0.062
P26038	MSN	Moesin	Moesin	0.291	2.211	0.006	0.061
Q14974	KPNB1	IMB1	Importin subunit beta-1	0.428	2.210	0.006	0.061
O15197	EPHB6	EphB6	Ephrin type-B receptor 6	-0.171	2.208	0.006	0.061
P07996	THBS1	Thrombospondin -1	Thrombospondin-1	0.500	2.201	0.006	0.062
Q13449	LSAMP	LSAMP	Limbic system-associated membrane protein	-0.186	2.198	0.006	0.062
P78380	OLR1	OLR1	Oxidized low-density lipoprotein receptor 1	-0.349	2.194	0.006	0.062
P27361	MAPK3	ERK-1	Mitogen-activated protein kinase 3	0.478	2.191	0.006	0.062
P37802	TAGLN2	Transgelin-2	Transgelin-2	0.271	2.190	0.006	0.062
Q9NQW7	XPNPEP1	XPNPEP1	Xaa-Pro aminopeptidase 1	0.300	2.189	0.006	0.061
P67936	TPM4	Tropomyosin 4	Tropomyosin alpha-4 chain	0.531	2.189	0.006	0.061
P25685	DNAJB1	HSP 40	DnaJ homolog subfamily B member 1	0.411	2.187	0.007	0.061
P49137	MAPKAPK2	MAPK2	MAP kinase-activated protein kinase 2	0.541	2.185	0.007	0.060
Q8N5S9	CAMKK1	CaMKK alpha	Calcium/calmodulin-dependent protein kinase kinase 1	0.204	2.177	0.007	0.061
P48740	MASP1	MASP3	Mannan-binding lectin serine protease 1	-0.263	2.174	0.007	0.061
O94779	CNTN5	Contactin-5	Contactin-5	-0.172	2.165	0.007	0.062
Q01344	IL5RA	IL-5 Ra	Interleukin-5 receptor subunit alpha	0.332	2.162	0.007	0.062

O00253	AGRP	ART	Agouti-related protein	-0.228	2.154	0.007	0.063
P13987	CD59	CD59	CD59 glycoprotein	-0.156	2.149	0.007	0.063
P60763	RAC3	RAC3	Ras-related C3 botulinum toxin substrate 3	0.340	2.149	0.007	0.063
P06733	ENO1	Alpha enolase	Alpha-enolase	0.444	2.143	0.007	0.063
O75582	RPS6KA5	RSK-like protein kinase	Ribosomal protein S6 kinase alpha-5	0.183	2.122	0.008	0.066
P53778	MAPK12	MK12	Mitogen-activated protein kinase 12	0.161	2.121	0.008	0.066
Q08209 P63098	PPP3CA PPP3R1	Calcineurin	Calcineurin	0.466	2.120	0.008	0.066
Q13765	NACA	NACA	Nascent polypeptide-associated complex subunit alpha	0.365	2.118	0.008	0.066
O75509	TNFRSF21	DR6	Tumor necrosis factor receptor superfamily member 21	-0.156	2.112	0.008	0.066
Q9HB63	NTN4	NET4	Netrin-4	-0.179	2.112	0.008	0.066
Q01973	ROR1	ROR1	Tyrosine-protein kinase transmembrane receptor ROR1	-0.183	2.110	0.008	0.066
P16860	NPPB	N-terminal pro-BNP	N-terminal pro-BNP	0.616	2.106	0.008	0.066
P06744	GPI	PHI	Glucose-6-phosphate isomerase	0.336	2.105	0.008	0.066
Q16772	GSTA3	GSTA3	Glutathione S-transferase A3	-0.514	2.087	0.008	0.068
P63000	RAC1	RAC1	Ras-related C3 botulinum toxin substrate 1	0.489	2.086	0.008	0.068
Q15389	ANGPT1	Angiopoietin-1	Angiopoietin-1	0.254	2.078	0.008	0.069
P21781	FGF7	FGF7	Fibroblast growth factor 7	0.172	2.072	0.008	0.070
P55854	SUMO3	SUMO3	Small ubiquitin-related modifier 3	0.393	2.060	0.009	0.072
P01282	VIP	Vasoactive Intestinal Peptide	Vasoactive Intestinal Peptide	0.213	2.054	0.009	0.072
P00558	PGK1	phosphoglycerate kinase 1	Phosphoglycerate kinase 1	0.321	2.049	0.009	0.073
Q08ET2	SIGLEC14	SIG14	Sialic acid-binding Ig-like lectin 14	-0.614	2.047	0.009	0.073
P09326	CD48	CD48	CD48 antigen	-0.123	2.043	0.009	0.073
Q9Y3C8	UFC1	UFC1	Ubiquitin-fold modifier-conjugating enzyme 1	0.309	2.039	0.009	0.073
P51452	DUSP3	DUS3	Dual specificity protein phosphatase 3	0.439	2.031	0.009	0.074
P04085	PDGFA	PDGF-AA	Platelet-derived growth factor subunit A	0.461	2.030	0.009	0.074
P60900	PSMA6	PSA6	Proteasome subunit alpha type-6	0.244	2.030	0.009	0.074
P13693	TPT1	TCTP	Translationally-controlled tumor protein	0.442	2.027	0.009	0.074
P68036	UBE2L3	UB2L3	Ubiquitin-conjugating enzyme E2 L3	0.333	2.020	0.010	0.075
P56199;P05556	ITGA1 ITGB1	Integrin a1b1	Integrin alpha-I: beta-1 complex	0.375	2.007	0.010	0.076
P04075	ALDOA	aldolase A	Fructose-bisphosphate aldolase A	0.253	2.005	0.010	0.076
Q8IVD9	NUDCD3	NUDC3	NudC domain-containing protein 3	0.226	2.004	0.010	0.076
P08238	HSP90AB1	HSP 90b	Heat shock protein HSP 90-beta	0.323	2.003	0.010	0.076
P33151	CDH5	Cadherin-5	Cadherin-5	-0.204	2.002	0.010	0.075
Q9UIK4	DAPK2	DAPK2	Death-associated protein kinase 2	0.201	2.002	0.010	0.075
P62306	SNRPF	RUXF	Small nuclear ribonucleoprotein F	-0.118	1.996	0.010	0.076
P31946	YWHAB	14-3-3 protein beta/alpha	14-3-3 protein beta/alpha	0.466	1.996	0.010	0.075
P46531	NOTCH1	Notch 1	Neurogenic locus notch homolog protein 1	-0.101	1.991	0.010	0.076
P02776	PF4	PF-4	Platelet factor 4	0.555	1.991	0.010	0.075
Q07817	BCL2L1	BCL2-like 1 protein	Bcl-2-like protein 1	0.196	1.981	0.010	0.077
P35968	KDR	VEGF sR2	Vascular endothelial growth factor receptor 2	-0.169	1.980	0.010	0.077
P01215 P01222	CGA TSHB	TSH	Thyroid Stimulating Hormone	-0.415	1.970	0.011	0.078
P48061	CXCL12	SDF-1	Stromal cell-derived factor 1	-0.179	1.967	0.011	0.078
P56211	ARPP19	ARP19	cAMP-regulated phosphoprotein 19	0.355	1.961	0.011	0.079
Q06830	PRDX1	Peroxiredoxin-1	Peroxiredoxin-1	0.286	1.952	0.011	0.080
P02787	TF	Transferrin	Serotransferrin	0.093	1.944	0.011	0.082
P28482	MAPK1	MK01	Mitogen-activated protein kinase 1	0.426	1.943	0.011	0.081
P29401	TKT	Transketolase	Transketolase	0.360	1.938	0.012	0.082
Q9UJU6	DBNL	DBNL	Drebrin-like protein	0.237	1.934	0.012	0.083

P05067	APP	amyloid precursor protein	Amyloid beta A4 protein	0.328	1.932	0.012	0.082
P54920	NAPA	SNAA	Alpha-soluble NSF attachment protein	0.444	1.928	0.012	0.083
P40238	MPL	Thrombopoietin Receptor	Thrombopoietin Receptor	0.131	1.928	0.012	0.082
P55957	BID	BID	BH3-interacting domain death agonist	0.272	1.917	0.012	0.084
Q9UMR2	DDX19B	DEAD-box protein 19B	ATP-dependent RNA helicase DDX19B	0.366	1.914	0.012	0.084
Q08752	PPID	PPID	Peptidyl-prolyl cis-trans isomerase D	0.683	1.911	0.012	0.084
P56470	LGALS4	Galectin-4	Galectin-4	0.182	1.903	0.012	0.086
P45983	MAPK8	MK08	Mitogen-activated protein kinase 8	0.402	1.903	0.013	0.085
Q969J5	IL22RA2	IL-22BP	Interleukin-22 receptor subunit alpha-2	-0.258	1.892	0.013	0.087
P49767	VEGFC	VEGF-C	Vascular endothelial growth factor C	0.176	1.876	0.013	0.090
P07384 P04632	CAPN1 CAPNS1	Calpain I	Calpain I	0.357	1.869	0.014	0.091
P60174	TPI1	Triosephosphate isomerase	Triosephosphate isomerase	0.375	1.862	0.014	0.092
P29460;Q9NPF7	IL12B IL23A	IL-23	Interleukin-23	-0.295	1.861	0.014	0.092
P48047	ATP5O	ATPO	ATP synthase subunit O; mitochondrial	0.422	1.861	0.014	0.091
P63208	SKP1	SKP1	S-phase kinase-associated protein 1	0.212	1.859	0.014	0.091
P08133	ANXA6	annexin VI	Annexin A6	0.511	1.854	0.014	0.092
Q9UHF5	IL17B	IL-17B	Interleukin-17B	-0.095	1.852	0.014	0.092
P09486	SPARC	ON	SPARC	0.358	1.840	0.014	0.094
P19784 P67870	CSNK2A2 CSNK2B	CK2-A2:B	Casein kinase II 2-alpha':2-beta heterotetramer	0.391	1.839	0.014	0.094
P00797	REN	Renin	Renin	0.417	1.829	0.015	0.096
Q6NW40	RGMB	RGMB	RGM domain family member B	-0.138	1.818	0.015	0.098
P40189	IL6ST	gp130;soluble	Interleukin-6 receptor subunit beta	-0.122	1.817	0.015	0.098
P24666	ACP1	PPAC	Low molecular weight phosphotyrosine protein phosphatase	0.596	1.813	0.015	0.099
P31948	STIP1	Stress-induced-phosphoprotein 1	Stress-induced-phosphoprotein 1	0.388	1.810	0.015	0.099
P35590	TIE1	sTie-1	Tyrosine-protein kinase receptor Tie-1; soluble	-0.178	1.801	0.016	0.100
Q9NQU5	PAK6	PAK6	Serine/threonine-protein kinase PAK 6	0.580	1.796	0.016	0.101
P22392	NME2	NDP kinase B	Nucleoside diphosphate kinase B	0.459	1.789	0.016	0.102
P12268	IMPDH2	IMDH2	Inosine-5'-monophosphate dehydrogenase 2	0.143	1.787	0.016	0.102
Q06124	PTPN11	SHP-2	Tyrosine-protein phosphatase non-receptor type 11	0.304	1.785	0.016	0.102
Q8NCW0	KREMEN2	KREM2	Kremen protein 2	0.294	1.784	0.016	0.102
Q06418	TYRO3	Dtk	Tyrosine-protein kinase receptor TYRO3	-0.174	1.782	0.017	0.102
P34130	NTF4	Neurotrophin-5	Neurotrophin-4	-0.258	1.778	0.017	0.102
P29323	EPHB2	EPHB2	Ephrin type-B receptor 2	-0.156	1.777	0.017	0.102
Q9Y264	ANGPT4	Angiopoietin-4	Angiopoietin-4	0.314	1.775	0.017	0.102
P20160	AZU1	Azurocidin	Azurocidin	0.141	1.775	0.017	0.102
P42226	STAT6	STAT6	Signal transducer and activator of transcription 6	0.199	1.773	0.017	0.102
Q9UK05	GDF2	GDF2	Growth/differentiation factor 2	-0.191	1.759	0.017	0.105
P14151	SELL	sL-Selectin	L-Selectin	-0.160	1.751	0.018	0.106
P01189	POMC	Corticotropin-lipotropin	Pro-opiomelanocortin	-0.259	1.749	0.018	0.107
Q7Z3B1	NEGR1	NEGR1	Neuronal growth regulator 1	-0.124	1.745	0.018	0.107
Q99983	OMD	OMD	Osteomodulin	-0.259	1.744	0.018	0.107
Q11128	FUT5	FUT5	Alpha-(1;3)-fucosyltransferase 5	-0.275	1.739	0.018	0.108
P41182	BCL6	BCL6	B-cell lymphoma 6 protein	-0.234	1.738	0.018	0.108
P15531	NME1	Nucleoside diphosphate kinase A	Nucleoside diphosphate kinase A	0.195	1.732	0.019	0.109
Q9Y4X3	CCL27	CTACK	C-C motif chemokine 27	0.202	1.730	0.019	0.109

P02765	AHSG	a2-HS-Glycoprotein	Alpha-2-HS-glycoprotein	-0.100	1.728	0.019	0.109
Q92583	CCL17	TARC	C-C motif chemokine 17	0.331	1.724	0.019	0.110
Q9NX40	OCIAD1	OCAD1	OCIA domain-containing protein 1	0.324	1.709	0.020	0.114
P01567	IFNA7	IFNA7	Interferon alpha-7	-0.212	1.698	0.020	0.116
P02647	APOA1	Apo A-I	Apolipoprotein A-I	-0.168	1.697	0.020	0.116
O15264	MAPK13	MK13	Mitogen-activated protein kinase 13	0.248	1.696	0.020	0.116
P27348	YWHAQ	14-3-3 protein theta	14-3-3 protein theta	0.126	1.688	0.021	0.118
P17706	PTPN2	TCPTP	Tyrosine-protein phosphatase non-receptor type 2	-0.098	1.683	0.021	0.119
Q9UQ80	PA2G4	PA2G4	Proliferation-associated protein 2G4	0.391	1.682	0.021	0.118
Q14624	ITIH4	ITI heavy chain H4	Inter-alpha-trypsin inhibitor heavy chain H4	0.108	1.680	0.021	0.118
P10415	BCL2	Bcl-2	Apoptosis regulator Bcl-2	0.186	1.674	0.021	0.119
Q02241	KIF23	KIF23	Kinesin-like protein KIF23	0.254	1.666	0.022	0.121
P16234	PDGFRA	PDGFRA	Platelet-derived growth factor receptor alpha	0.245	1.662	0.022	0.122
P62826	RAN	RAN	GTP-binding nuclear protein Ran	0.460	1.657	0.022	0.123
P29279	CTGF	CTGF	Connective tissue growth factor	0.152	1.652	0.022	0.124
P02649	APOE	Apo E2	Apolipoprotein E (isoform E2)	-0.079	1.650	0.022	0.124
P31946	YWHAB	37694.000	14-3-3 protein family	0.465	1.648	0.022	0.125
Q9UNP9	PPIE	PPIE	Peptidyl-prolyl cis-trans isomerase E	0.325	1.619	0.024	0.133
O75356	ENTPD5	ENTP5	Ectonucleoside triphosphate diphosphohydrolase 5	-0.160	1.612	0.024	0.135
P29350	PTPN6	PTP-1C	Tyrosine-protein phosphatase non-receptor type 6	0.337	1.608	0.025	0.135
P26992	CNTFR	CNTFR alpha	Ciliary neurotrophic factor receptor subunit alpha	-0.160	1.579	0.026	0.145
O75462 Q9UBD9	CRLF1 CLCF1	CLF-1/CLC Complex	Cytokine receptor-like factor 1:Cardiotrophin-like cytokine factor 1 Complex	-0.190	1.576	0.027	0.145
P31151	S100A7	S100A7	Protein S100-A7	-0.369	1.564	0.027	0.149
P22362	CCL1	I-309	C-C motif chemokine 1	-0.122	1.553	0.028	0.153
Q15109	AGER	sRAGE	Advanced glycosylation end product-specific receptor; soluble	-0.372	1.549	0.028	0.153
P10619	CTSA	Cathepsin A	Lysosomal protective protein	0.237	1.543	0.029	0.155
P10915	HAPLN1	HPLN1	Hyaluronan and proteoglycan link protein 1	0.189	1.542	0.029	0.155
Q9P126	CLEC1B	CLC1B	C-type lectin domain family 1 member B	0.309	1.541	0.029	0.154
P61088	UBE2N	UBE2N	Ubiquitin-conjugating enzyme E2 N	0.330	1.540	0.029	0.154
Q9P286	PAK7	PAK7	Serine/threonine-protein kinase PAK 7	0.130	1.539	0.029	0.154
P63241	EIF5A	eIF-5A-1	Eukaryotic translation initiation factor 5A-1	0.281	1.535	0.029	0.155
P21709	EPHA1	EphA1	Ephrin type-A receptor 1	-0.204	1.532	0.029	0.155
Q9BYF1	ACE2	ACE2	Angiotensin-converting enzyme 2	0.115	1.526	0.030	0.157
P30086	PEBP1	prostatic binding protein	Phosphatidylethanolamine-binding protein 1	0.209	1.523	0.030	0.158
Q5KU26	COLEC12	COLEC12	Collectin-12	-0.244	1.511	0.031	0.161
O94768	STK17B	DRAK2	Serine/threonine-protein kinase 17B	0.128	1.504	0.031	0.164
Q6UXM1	LRIG3	LRIG3	Leucine-rich repeats and immunoglobulin-like domains protein 3	-0.153	1.501	0.032	0.164
Q9BZM4	ULBP3	ULBP-3	NKG2D ligand 3	0.200	1.498	0.032	0.165
P12259	F5	Coagulation Factor V	Coagulation Factor V	-0.121	1.497	0.032	0.164
Q12884	FAP	SEPR	Prolyl endopeptidase FAP	-0.165	1.495	0.032	0.165
Q9BY41	HDAC8	HDAC8	Histone deacetylase 8	0.113	1.492	0.032	0.165
P78333	GPC5	GPC5	Glypican-5	-0.200	1.491	0.032	0.165
O94907	DKK1	DKK1	Dickkopf-related protein 1	0.296	1.477	0.033	0.170
P52209	PGD	6-Phosphogluconate dehydrogenase	6-phosphogluconate dehydrogenase; decarboxylating	0.443	1.465	0.034	0.174
P10721	KIT	SCF sR	Mast/stem cell growth factor receptor Kit	-0.190	1.462	0.035	0.174
P14550	AKR1A1	AK1A1	Alcohol dehydrogenase [NADP(+)]	0.213	1.461	0.035	0.175

P98066	TNFAIP6	TSG-6	Tumor necrosis factor-inducible gene 6 protein	-0.244	1.443	0.036	0.181
P46527	CDKN1B	p27Kip1	Cyclin-dependent kinase inhibitor 1B	0.276	1.443	0.036	0.180
P54750	PDE1A	PDE1A	Calcium/calmodulin-dependent 3';5'-cyclic nucleotide phosphodiesterase 1A	0.279	1.436	0.037	0.183
P15848	ARSB	ARSB	Arylsulfatase B	-0.223	1.435	0.037	0.182
Q9HCR9	PDE11A	PDE11	Dual 3';5'-cyclic-AMP and -GMP phosphodiesterase 11A	0.218	1.434	0.037	0.182
P04196	HRG	HRG	Histidine-rich glycoprotein	0.233	1.430	0.037	0.184
Q16620	NTRK2	TrkB	BDNF/NT-3 growth factors receptor	-0.116	1.425	0.038	0.185
Q15828	CST6	Cystatin M	Cystatin-M	-0.231	1.423	0.038	0.186
P60880	SNAP25	SNP25	Synaptosomal-associated protein 25	-0.202	1.423	0.038	0.185
O95954	FTCD	FTCD	Formimidoyltransferase-cyclodeaminase	-0.666	1.417	0.038	0.187
P07306	ASGR1	ASGR1	Asialoglycoprotein receptor 1	-0.161	1.416	0.038	0.187
P17813	ENG	Endoglin	Endoglin	-0.163	1.409	0.039	0.189
P11226	MBL2	MBL	Mannose-binding protein C	-0.588	1.396	0.040	0.194
P02775	PPBP	CTAP-III	Connective tissue-activating peptide III	0.382	1.395	0.040	0.194
P35318	ADM	Adrenomedullin	Adrenomedullin	-0.070	1.393	0.040	0.194
Q7Z4V5	HDGFRP2	HDGR2	Hepatoma-derived growth factor-related protein 2	0.109	1.393	0.040	0.194
O00626	CCL22	MDC	C-C motif chemokine 22	-0.231	1.391	0.041	0.194
O43464	HTRA2	HTRA2	Serine protease HTRA2; mitochondrial	0.126	1.387	0.041	0.195
P20226	TBP	TBP	TATA-box-binding protein	-0.245	1.379	0.042	0.198
Q13561	DCTN2	Dynactin subunit 2	Dynactin subunit 2	-0.139	1.377	0.042	0.199
Q16644	MAPKAPK3	MAPKAPK3	MAP kinase-activated protein kinase 3	0.302	1.377	0.042	0.198
O75173	ADAMTS4	ADAMTS-4	A disintegrin and metalloproteinase with thrombospondin motifs 4	-0.107	1.374	0.042	0.199
Q07820	MCL1	Mcl-1	Induced myeloid leukemia cell differentiation protein Mcl-1	0.224	1.367	0.043	0.201
P00915	CA1	Carbonic anhydrase I	Carbonic anhydrase 1	-0.332	1.362	0.043	0.203
Q13740	ALCAM	ALCAM	CD166 antigen	-0.100	1.355	0.044	0.206
P07355	ANXA2	annexin II	Annexin A2	0.144	1.354	0.044	0.206
O43915	FIGF	VEGF-D	Vascular endothelial growth factor D	0.161	1.350	0.045	0.207
P01374;Q06643	LTA LTB	Lymphotoxin a1/b2	Lymphotoxin alpha1:beta2	-0.137	1.350	0.045	0.206
P03129	Human-virus	HPV E7 Type 16	Protein E7_HPV16	-0.137	1.349	0.045	0.206
Q8TAD2	IL17D	IL-17D	Interleukin-17D	-0.132	1.341	0.046	0.209
P05112	IL4	IL-4	Interleukin-4	0.206	1.339	0.046	0.210
Q8N474	SFRP1	SARP-2	Secreted frizzled-related protein 1	-0.149	1.332	0.047	0.212
P15260	IFNGR1	IFN-g R1	Interferon gamma receptor 1	-0.140	1.327	0.047	0.214
P17213	BPI	BPI	Bactericidal permeability-increasing protein	-0.407	1.326	0.047	0.214
P01374;Q06643	LTA LTB	Lymphotoxin a2/b1	Lymphotoxin alpha2:beta1	-0.126	1.325	0.047	0.214
P00750	PLAT	tPA	Tissue-type plasminogen activator	-0.202	1.325	0.047	0.213
P08962	CD63	CD63	CD63 antigen	0.221	1.323	0.048	0.214
O75716	STK16	STK16	Serine/threonine-protein kinase 16	-0.183	1.320	0.048	0.214
P52799	EFNB2	EFNB2	Ephrin-B2	-0.182	1.312	0.049	0.217
P09237	MMP7	MMP-7	Matrilysin	0.211	1.310	0.049	0.218
P07339	CTSD	Cathepsin D	Cathepsin D	0.187	1.310	0.049	0.217
P40925	MDH1	MDHC	Malate dehydrogenase; cytoplasmic	0.180	1.305	0.050	0.219
P01137	TGFB1	TGF-b1	Transforming growth factor beta-1	0.128	1.303	0.050	0.219
P42575	CASP2	Caspase-2	Caspase-2	0.185	1.303	0.050	0.219
P08684	CYP3A4	Cytochrome P450 3A4	Cytochrome P450 3A4	0.179	1.302	0.050	0.219

Table represents protein expressions with a *p*-value smaller than 0.05. A Log_2 fold change (FC) indicates a fold increase (+) or decrease (-) between 2 groups. $q<0.05$ are considered significant.

Table S4. ROC analysis of significantly differentially expressed proteins.

CAD | Control					
Protein ID	**Protein Name**	**AUC**	**95% CI**	***p*-value**	**Log_2 FC**
SDF-1	Stromal cell-derived factor 1	0.75	0.6294 to 0.8692	0.0002	-0.30
PCSK9	Proprotein convertase subtilisin/kexin type 9	0.75	0.6330 to 0.8638	0.0002	0.32
HC | Control					
Protein ID	**Protein Name**	**AUC**	**95% CI**	***p*-value**	**Log_2 FC**
LRP1B	Low-density lipoprotein receptor-related protein 1B	0.89	0.8203 to 0.9497	<0.0001	0.41
Apo E	Apolipoprotein E	0.82	0.7383 to 0.9039	<0.0001	0.66
QORL1	Quinone oxidoreductase-like protein 1	0.80	0.7138 to 0.8919	<0.0001	0.60
Apo E3	Apolipoprotein E (isoform E3)	0.78	0.6894 to 0.8724	<0.0001	0.35
Apo B	Apolipoprotein B	0.77	0.6775 to 0.8623	<0.0001	0.53
Transferrin	Serotransferrin	0.75	0.6543 to 0.8498	<0.0001	-0.16
MMP3	Stromelysin-1	0.75	0.6543 to 0.8506	<0.0001	0.36
CAD | HC					
Protein ID	**Protein Name**	**AUC**	**95% CI**	***p*-value**	**Log_2 FC**
Apo B	Apolipoprotein B	0.91	0.8534 to 0.9758	<0.0001	-0.62
SHC1	SHC-transforming protein 1	0.86	0.7694 to 0.9428	<0.0001	0.60
VAV	Proto-oncogene vav	0.85	0.7561 to 0.9505	<0.0001	0.84
SMAD3	Mothers against decapentaplegic homolog 3	0.85	0.7569 to 0.9396	<0.0001	0.49
FYN	Tyrosine-protein kinase Fyn	0.84	0.7486 to 0.9391	<0.0001	1.01
LRP1B	Low-density lipoprotein receptor-related protein 1B	0.84	0.7466 to 0.9397	<0.0001	-0.32
WNK3	Serine/threonine-protein kinase WNK3	0.84	0.7550 to 0.9310	<0.0001	0.66
PDPK1	3-phosphoinositide-dependent protein kinase 1	0.83	0.7333 to 0.9287	<0.0001	0.83
RPS6KA3	Ribosomal protein S6 kinase alpha-3	0.83	0.7397 to 0.9335	<0.0001	0.52
CAMK2B	Calcium/calmodulin-dependent protein kinase type II subunit beta	0.82	0.7216 to 0.9223	<0.0001	0.70
FER	Tyrosine-protein kinase Fer	0.82	0.7234 to 0.9220	<0.0001	1.01
AMPK a2b2g1	AMP Kinase (alpha2beta2gamma1)	0.82	0.7205 to 0.9245	<0.0001	0.74
ING1	Inhibitor of growth protein 1	0.82	0.7140 to 0.9263	<0.0001	0.52
IL-2 sRg	Cytokine receptor common subunit gamma	0.82	0.7207 to 0.9207	<0.0001	0.41
SMAD2	Mothers against decapentaplegic homolog 2	0.81	0.7069 to 0.9152	<0.0001	0.75
TEC	Tyrosine-protein kinase Tec	0.81	0.7052 to 0.9213	<0.0001	0.64
ARMEL	Cerebral dopamine neurotrophic factor	0.80	0.6962 to 0.9051	<0.0001	-0.23
ERAB	3-hydroxyacyl-CoA dehydrogenase type-2	0.80	0.6773 to 0.9183	<0.0001	0.83
SRCN1	Proto-oncogene tyrosine-protein kinase Src	0.80	0.7003 to 0.9053	<0.0001	0.78
LYN	Tyrosine-protein kinase Lyn	0.80	0.6950 to 0.9115	<0.0001	0.75
LYNB	Tyrosine-protein kinase Lyn; isoform B	0.80	0.6942 to 0.9109	<0.0001	0.69
IF4G2	Eukaryotic translation initiation factor 4 gamma 2	0.80	0.6909 to 0.9094	<0.0001	0.69
BTK	Tyrosine-protein kinase BTK	0.80	0.6890 to 0.9069	<0.0001	0.68
STAT3	Signal transducer and activator of transcription 3	0.80	0.6862 to 0.9061	<0.0001	0.59
BARK1	beta-adrenergic receptor kinase 1	0.80	0.6959 to 0.9015	<0.0001	0.56
SGTA	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	0.80	0.7062 to 0.9111	<0.0001	0.53
CAMK2D	Calcium/calmodulin-dependent protein kinase type II subunit delta	0.79	0.6791 to 0.8966	<0.0001	0.82
PKC-A	Protein kinase C alpha type	0.79	0.6859 to 0.9007	<0.0001	0.76

M2-PK	Pyruvate kinase PKM	0.79	0.6843 to 0.9073	<0.0001	0.65
Caspase-3	Caspase-3	0.79	0.6763 to 0.8998	<0.0001	0.64
DRG-1	Vacuolar protein sorting-associated protein VTA1 homolog	0.79	0.6943 to 0.9031	<0.0001	0.63
STAT1	Signal transducer and activator of transcription 1-alpha/beta	0.79	0.6838 to 0.8991	<0.0001	0.62
SBDS	Ribosome maturation protein SBDS	0.79	0.6874 to 0.9019	<0.0001	0.61
KPCT	Protein kinase C theta type	0.79	0.6782 to 0.8989	<0.0001	0.54
AIP	AH receptor-interacting protein	0.79	0.6854 to 0.9048	<0.0001	0.50
GAPDH;liver	Glyceraldehyde-3-phosphate dehydrogenase	0.79	0.6890 to 0.9005	<0.0001	0.49
AREG	Amphiregulin	0.79	0.6920 to 0.8962	<0.0001	0.48
KPCI	Protein kinase C iota type	0.79	0.6888 to 0.8945	<0.0001	0.46
FGF-16	Fibroblast growth factor 16	0.79	0.6937 to 0.8986	<0.0001	0.43
Cyclophilin F	Peptidyl-prolyl cis-trans isomerase F; mitochondrial	0.78	0.6720 to 0.8960	<0.0001	0.73
CPNE1	Copine-1	0.78	0.6861 to 0.8862	<0.0001	0.69
PDE5A	cGMP-specific 3';5'-cyclic phosphodiesterase	0.78	0.6731 to 0.8947	<0.0001	0.68
EF-1-beta	Elongation factor 1-beta	0.78	0.6716 to 0.8882	<0.0001	0.34
PDE3A	cGMP-inhibited 3';5'-cyclic phosphodiesterase A	0.78	0.6708 to 0.8814	<0.0001	0.26
BAD	Bcl2-associated agonist of cell death	0.77	0.6609 to 0.8785	<0.0001	0.48
PAFAH	Platelet-activating factor acetylhydrolase	0.77	0.6651 to 0.8800	<0.0001	-0.26
HSP 60	60 kDa heat shock protein; mitochondrial	0.76	0.6517 to 0.8748	<0.0001	0.80
eIF-4H	Eukaryotic translation initiation factor 4H	0.76	0.6462 to 0.8737	<0.0001	0.61
Sorting nexin 4	Sorting nexin-4	0.76	0.6449 to 0.8722	0.0001	0.60
CAMK2A	Calcium/calmodulin-dependent protein kinase type II subunit alpha	0.76	0.6450 to 0.8783	0.0002	0.55
GSK-3 alpha/beta	Glycogen synthase kinase-3 alpha/beta	0.76	0.6483 to 0.8666	0.0001	0.54
TAK1-TAB1	Mitogen-activated protein kinase kinase kinase 7:TGF-beta-activated kinase 1 and MAP3K7-binding protein 1 fusion	0.76	0.6503 to 0.8683	<0.0001	0.34
GRB2 adapter protein	Growth factor receptor-bound protein 2	0.75	0.6325 to 0.8649	0.0002	0.54
PKB beta	RAC-beta serine/threonine-protein kinase	0.75	0.6324 to 0.8676	0.0002	0.53
EP15R	Epidermal growth factor receptor substrate 15-like 1	0.75	0.6470 to 0.8643	0.0002	0.37
NSF1C	NSFL1 cofactor p47	0.75	0.6261 to 0.8687	0.0003	0.35
JAM-C	Junctional adhesion molecule C	0.75	0.6398 to 0.8609	0.0002	0.30
PCSK9	Proprotein convertase subtilisin/kexin type 9	0.75	0.6385 to 0.8654	0.0001	0.29
CSRP3	Cysteine and glycine-rich protein 3	0.75	0.6424 to 0.8628	0.0001	0.28
QORL1	Quinone oxidoreductase-like protein 1	0.75	0.6499 to 0.8660	<0.0001	-0.55

Table represents ROC analysis of proteins with AUC ≥0.75.

Table S5. Correlation between blood cholesterol levels and significantly differentially expressed proteins in Con, HC and CAD groups.

Control						
	Spearman *r*	95% confidence interval	*p* (two-tailed)	*p*-value summary	Significant? (alpha = 0.05)	Number of XY Pairs
TG vs. Apo E	0.6714	0.4636 to 0.8092	<0.0001	****	Yes	45
TG vs. Apo E3	0.5973	0.3606 to 0.7617	<0.0001	****	Yes	45
TG vs. LRP1B	0.469	0.1949 to 0.6751	0.0012	**	Yes	45
TG vs. QORL1	0.7313	0.5513 to 0.8463	<0.0001	****	Yes	45
TG vs. Transferrin	-0.3207	-0.5675 to -0.02110	0.0317	*	Yes	45

LDL vs. Apo B	0.3377	0.04012 to 0.5803	0.0233	*	Yes	45
LDL vs. Apo E	0.4249	0.1413 to 0.6440	0.0036	**	Yes	45
LDL vs. Apo E3	0.3255	0.02644 to 0.5711	0.0291	*	Yes	45
LDL vs. LRP1B	0.6682	0.4590 to 0.8072	<0.0001	****	Yes	45
LDL vs. PCSK9	0.3608	0.06630 to 0.5974	0.0149	*	Yes	45
LDL vs. PDE3A	0.3109	0.01023 to 0.5601	0.0376	*	Yes	45
LDL vs. QORL1	0.4155	0.1302 to 0.6373	0.0045	**	Yes	45
TC vs. Apo E	0.5173	0.2555 to 0.7084	0.0003	***	Yes	45
TC vs. Apo E3	0.3971	0.1085 to 0.6241	0.0069	**	Yes	45
TC vs. LRP1B	0.6203	0.3920 to 0.7767	<0.0001	****	Yes	45
TC vs. MMP-3	0.5284	0.2698 to 0.7160	0.0002	***	Yes	45
TC vs. PCSK9	0.4652	0.1902 to 0.6725	0.0013	**	Yes	45
TC vs. QORL1	0.4321	0.1500 to 0.6492	0.003	**	Yes	45
HDL vs. Apo E	-0.3416	-0.5832 to -0.04448	0.0216	*	Yes	45
HDL vs. Apo E3	-0.3623	-0.5985 to -0.06803	0.0145	*	Yes	45
HDL vs. LRP1B	-0.4056	-0.6302 to -0.1185	0.0057	**	Yes	45
HDL vs. PAFAH	-0.4021	-0.6276 to -0.1143	0.0062	**	Yes	45
HDL vs. QORL1	-0.5067	-0.7012 to -0.2420	0.0004	***	Yes	45
HC						
	Spearman *r*	95% confidence interval	*p* (two-tailed)	*p*-value summary	Significant? (alpha = 0.05)	Number of XY Pairs
TG vs. Apo E	0.735	0.5706 to 0.8428	<0.0001	****	Yes	51
TG vs. Apo E3	0.6918	0.5081 to 0.8153	<0.0001	****	Yes	51
TG vs. LRP1B	0.5104	0.2655 to 0.6934	0.0001	***	Yes	51
TG vs. MMP-3	0.5831	0.3591 to 0.7435	<0.0001	****	Yes	51
TG vs. PAFAH	0.3852	0.1144 to 0.6028	0.0052	**	Yes	51
TG vs. QORL1	0.6875	0.5020 to 0.8126	<0.0001	****	Yes	51
LDL vs. Apo E	0.3425	0.06556 to 0.5704	0.0139	*	Yes	51
LDL vs. Apo E3	0.2898	0.007102 to 0.5296	0.0391	*	Yes	51
LDL vs. HSP 60	-0.3057	-0.5421 to -0.02457	0.0291	*	Yes	51
LDL vs. LRP1B	0.4945	0.2457 to 0.6823	0.0002	***	Yes	51
LDL vs. PAFAH	0.3122	0.03174 to 0.5471	0.0257	*	Yes	51
LDL vs. QORL1	0.3124	0.03195 to 0.5473	0.0256	*	Yes	51
LDL vs. TAK1-TAB1	-0.2826	-0.5240 to 0.0007316	0.0445	*	Yes	51
TC vs. Apo E	0.5848	0.3613 to 0.7447	<0.0001	****	Yes	51
TC vs. Apo E3	0.5222	0.2804 to 0.7017	<0.0001	****	Yes	51
TC vs. LRP1B	0.5973	0.3780 to 0.7532	<0.0001	****	Yes	51
TC vs. MMP-3	0.4307	0.1679 to 0.6364	0.0016	**	Yes	51
TC vs. PAFAH	0.3256	0.04661 to 0.5575	0.0197	*	Yes	51
TC vs. PCSK9	0.3238	0.04464 to 0.5561	0.0204	*	Yes	51
TC vs. QORL1	0.4627	0.2064 to 0.6595	0.0006	***	Yes	51
HDL vs. Apo E	-0.3254	-0.5573 to -0.04637	0.0198	*	Yes	51
HDL vs. CSRP3	-0.2824	-0.5238 to 0.0009891	0.0447	*	Yes	51
HDL vs. PAFAH	-0.3566	-0.5812 to -0.08157	0.0102	*	Yes	51
HDL vs. QORL1	-0.3268	-0.5584 to -0.04794	0.0193	*	Yes	51
CAD						
	Spearman	95% confidence interval	*p* (two-	*p*-value	Significant?	Number of

	r		tailed)	summary	(alpha = 0.05)	XY Pairs
TG vs. Apo E	0.7508	0.5371 to 0.8739	<0.0001	****	Yes	32
TG vs. Apo E3	0.7515	0.5383 to 0.8743	<0.0001	****	Yes	32
TG vs. LRP1B	0.552	0.2417 to 0.7599	0.0011	**	Yes	32
TG vs. MMP-3	0.5588	0.2509 to 0.7640	0.0009	***	Yes	32
TG vs. PCSK9	0.4329	0.08854 to 0.6849	0.0133	*	Yes	32
TG vs.QORL1	0.74	0.5195 to 0.8680	<0.0001	****	Yes	32
TG vs. SDF-1	-0.465	-0.7056 to -0.1283	0.0073	**	Yes	32
LDL vs. Apo B	0.7268	0.4984 to 0.8608	<0.0001	****	Yes	32
LDL vs. CSRP3	-0.4313	-0.6838 to -0.08657	0.0137	*	Yes	32
LDL vs. LRP1B	0.764	0.5588 to 0.8811	<0.0001	****	Yes	32
LDL vs. PAFAH	0.5996	0.3075 to 0.7884	0.0003	***	Yes	32
TC vs. Apo B	0.5875	0.2906 to 0.7813	0.0004	***	Yes	32
TC vs. Apo E	0.3918	0.03921 to 0.6577	0.0266	*	Yes	32
TC vs. Apo E3	0.3494	-0.009904 to 0.6289	0.0499	*	Yes	32
TC vs. CSRP3	-0.4298	-0.6828 to -0.08472	0.0141	*	Yes	32
TC vs. LRP1B	0.7103	0.4723 to 0.8517	<0.0001	****	Yes	32
TC vs. MMP-3	0.4223	0.07559 to 0.6779	0.0161	*	Yes	32
TC vs. PAFAH	0.5439	0.2307 to 0.7550	0.0013	**	Yes	32
HDL vs. Apo E	-0.3765	-0.6473 to -0.02126	0.0337	*	Yes	32
HDL vs. Apo E3	-0.4077	-0.6682 to -0.05802	0.0206	*	Yes	32
HDL vs. QORL1	-0.4621	-0.7038 to -0.1246	0.0078	**	Yes	32

The table displays significant correlations of Spearman correlation test. The *r*-values indicate positive (+) or negative (-) correlations between proteins and lipids. $p<0.05$ are considered significant. Abbreviations- Con: Control, HC: Hypercholesterolemia, CAD: Coronary Artery Disease, TC: Total Cholesterol, TG: Triglyceride, LDL: Low-density Lipoprotein, HDL: High-density Lipoprotein.

Table S6. Correlation analysis between LDLR and PCSK9 in Con, HC and CAD groups.

LDLR vs PCSK9	**Spearman *r***	**95% confidence interval**	***p* (two-tailed)**	***p* -value summary**	**Significant? (alpha = 0.05)**	**Number of XY Pairs**
Con	-0.4478	-0.6603 to -0.1689	0.002	**	Yes	45
HC	0.02693	-0.2583 to 0.3079	0.8512	ns	No	51
CAD	0.1107	-0.2576 to 0.4509	0.5464	ns	No	32
All	-0.1082	-0.2813 to 0.07177	0.2242	ns	No	128

The Spearman correlation test was applied. *r*-value indicates a positive (+) or negative (-) correlation between PCSK9 and LDLR. $p<0.05$ are considered significant. Abbreviations- Con: Control, HC: Hypercholesterolemia, CAD: Coronary Artery Disease, TC: Total Cholesterol, TG: Triglyceride, LDLR: Low-density Lipoprotein Receptor, HDL: High-density Lipoprotein, PCSK9: Proprotein convertase subtilisin/kexin type 9.

Table S7. Overview of published studies relating proteomic data to CAD and HC onset or prognosis.

Publication	PubMed ID	No of proteins identified	Major findings
"Inflammation and remodeling pathways and risk of cardiovascular events in patients with ischemic heart failure and reduced ejection fraction" Girerd et al, 2022	PMC9123183	49 (7 with FDR<0.001)	NT-proBNP, BNP, T-cell immunoglobulin and mucin domain containing 4 (TIMD4), fibroblast growth factor 23 (FGF-23), growth differentiation factor-15 (GDF-15), pulmonary surfactant-associated protein D (PSP-D) and Spondin-1 (SPON1)
"Machine learning reveals serum sphingolipids as cholesterol-independent biomarkers of coronary artery disease" Poss et al, 2020	PMC7269567	30	This study validates serum ceramides as candidate biomarkers of CVD and suggests that comprehensive sphingolipid panels should be considered as measures of CVD.
"High-throughput targeted proteomics discovery approach and spontaneous reperfusion in ST-segment elevation myocardial infarction" Shavadia et al, 2019	31812755	45	kallikrein-6, matrix extracellular phosphoglycoprotein, matrix mettaloproteinaise-3, and elafin
"Proteomic profiling for prediction of recurrent cardiovascular event in patients with acute coronary syndrome and obstructive sleep apnea: A post-hoc analysis from the ISAACC study" Zapater et al, 2022	36549084	38	cell proliferation, communication and apoptosis, and regulation/response to the inflammatory and immune systems
"Proteomic characterization of human coronary thrombus in patients with ST-segment elevation acute myocardial infarction" Alonso-Orgaz et al, 2014	25065646	14	Five proteins (fermitin homolog 3, thrombospondin-1, myosin-9, beta parvin and ras-related protein Rap-1b) co-express within the human coronary thrombus with CD41, pointing out the potential activation of a focal adhesion pathway within thrombus platelets during thrombus formation. Besides, the protein death-inducer obliterator 1, found to be expressed within the human coronary thrombus.
"Multi-proteomic approach to predict specific cardiovascular events in patients	32789678		On top of the clinical model, troponin and BNP added prognostic information to the composite of cardiovascular death, MI, or stroke.

with diabetes and myocardial infarction: findings from the EXAMINE trial" Ferreira et al, 2020			Troponin, BNP, and TRAILR2 added prognostic information on all-cause death. HF hospitalization alone was improved by adding BNP and Gal-9. For MI, troponin, FGF23, and AMBP added prognostic value. For stroke, only troponin added prognostic value
"Plasma levels of apolipoproteins C-III, A-IV, and E are independently associated with stable atherosclerotic cardiovascular disease" Dittrich et al, 2018	30594773		Triglyceride rich lipoproteins associated apos A-IV, B-100, C-III, and E are independently associated with stable atherosclerotic cardiovascular disease
"Exploring biomarkers associated with deteriorating vascular health using a targeted proteomics chip: The SABPA study" Dieden et al, 2021	34011069		significant associations between 89 proteins and vascular health markers were further adjusted for clinically relevant co-variates. Hypertension was associated with growth differentiation factor 15 (GDF-15) and C-X-C motif chemokine 16 (CXCL16). cIMT was associated with carboxypeptidase A1 (CPA1), C-C motif chemokine 15 (CCL15), chitinase-3-like protein 1 (CHI3L1), scavenger receptor cysteine-rich type 1 protein M130 (CD163) and osteoprotegerin, whereas PWV was associated with GDF15, E-selectin, CPA1, fatty acid-binding protein 4 (FABP4), CXCL16, carboxypeptidase B (CPB1), and tissue-type plasminogen activator.
"Multiplexed LC-ESI-MRM-MS-based Assay for Identification of Coronary Artery Disease Biomarkers in Human Plasma" Anwar et al, 2019	30632678	6	Apolipoprotein CII, C reactive protein, CD5 antigen-like, fibronectin, inter alpha trypsin inhibitor heavy chain H1, and protein S associated with CAD
"Plasma proteomic analysis of stable coronary artery disease indicates impairment of reverse cholesterol pathway" Basak et al, 2016	27350024	4	four proteins involved in the reverse cholesterol pathway (Apo A1, ApoA4, Apo C1 and albumin) along with diabetes and hypertension were found to be significantly associated with CAD
"A pro-atherogenic HDL profile in coronary heart disease patients: an iTRAQ labelling-based proteomic approach"	24859250	12	Of the 196 proteins identified in the examined HDL, 12 were differentially expressed between the CHD patients and the controls, including five up-regulated proteins and seven down-regulated proteins.

Yan et al, 2014			
"Potential mechanisms of the acute coronary syndrome presentation in patients with the coronary slow flow phenomenon - insight from a plasma proteomic approach" Kopetz et al, 2011	21963214		six proteins that were significantly different in abundance between the acute and chronic samples. During the ACS presentation there was an increase in the anti-oxidant enzyme paraoxonase-1 and in inflammatory proteins alpha-1-antichymotrypsin and alpha-1-antitrypsin.
Determinants of high-density lipoprotein (HDL) functions beyond proteome in Asian Indians: exploring the fatty acid profile of HDL phospholipids Himani Thakkar	34843015		HDL isolated from ACS individuals was enriched in apolipoprotein C2 (inhibitor of LCAT), apolipoprotein C4 and serum amyloid A proteins and was deficient in apolipoprotein A-I and A-II. The fatty acid profile of HDL phospholipids showed significantly lower percentages of stearic acid and omega-3 fatty acids (eicosapentaenoic acid and docosahexaenoic acid) in ACS patients compared to controls.

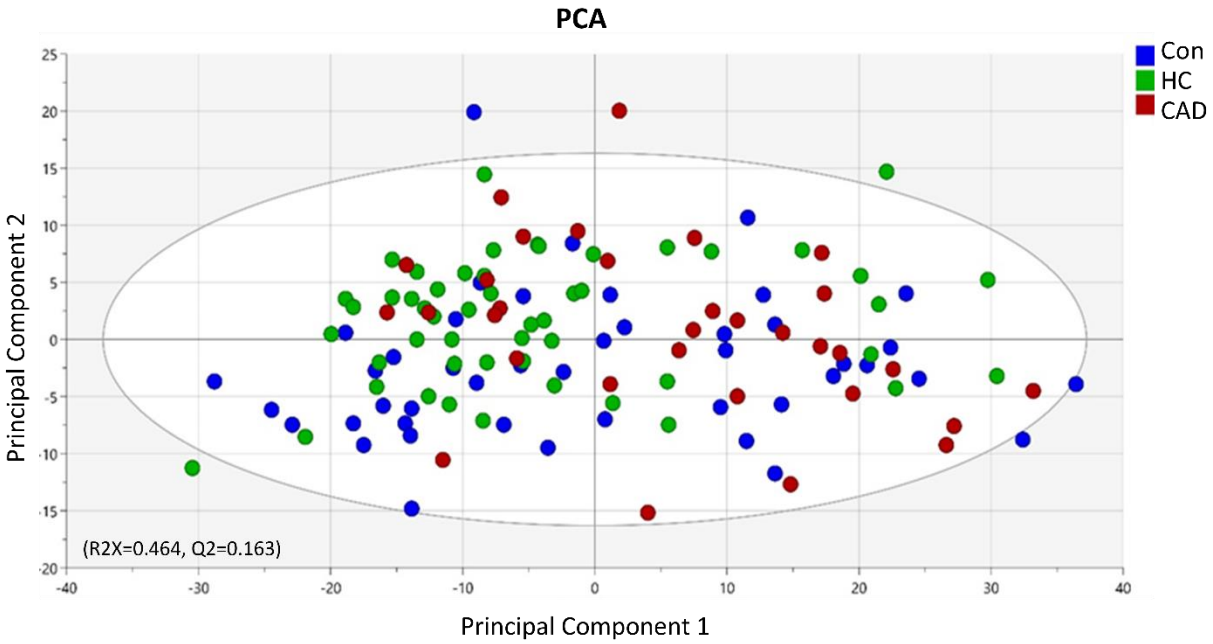

Figure S1. Participants with proteomics data. Graph shows score plots of Principal Component Analysis (PCA) representing participants from Control group in blue, hypercholesterolemia (HC) group in green and coronary artery disease (CAD) group in red.