

Supplementary Table 2

Supplementary Table 2. Ranked list of proteins present in anti-Sema4D treated macrophage conditioned media obtained in the GSEA analysis of the proteomic data. Proteins are listed according to their rank metric score, which is the score used to position the gene in the ranked list of genes of the GSEA. Values are obtained from comparing Sema4D treated RAW conditioned media versus REST, which includes untreated, IgG treated and anti-Sema4D added RAW conditioned media. GSEA analysis was performed under standard conditions in November 2015.

<i>Protein symbol</i>	<i>Protein name</i>	<i>Rank metric score</i>
4F2	4F2 cell-surface antigen heavy chain	2.5000
PLOD3	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	1.4815
ELOB	Transcription elongation factor B polypeptide 2	1.4350
ARPC5	Actin-related protein 2/3 complex subunit 5	1.2603
OSTF1	teoclast-stimulating factor 1	1.2500
RL5	60S ribomal protein L5	1.2135
SYK	Lysine--tRNA ligase	1.2135
RL10A	60S ribomal protein L10a	1.2135
TXNL1	Thioredoxin-like protein 1	1.1716
LIS1	Platelet-activating factor acetylhydrolase IB subunit alpha	1.1067
A4	Amyloid beta A4 protein	1.0911
H2B1M	Histone H2B type 1-M	1.0514
UB2V2	Ubiquitin-conjugating enzyme E2 variant 2	1.0381
PDCD5	Programmed cell death protein 5	1.0373
UCHL3	Ubiquitin carboxyl-terminal hydrolase isozyme L3	1.0061
PLEC	Plectin	1.0061
ITPA	Inine triphphate pyrophphatase	0.9524
IF5A1	Eukaryotic translation initiation factor 5A-1	0.9314
ARP2	Actin-related protein 2	0.8618
HNRPL	Heterogeneous nuclear ribonucleoprotein L	0.8576
DNJA3	DnaJ homolog subfamily A member 3, mitochondrial	0.8576
SERA	D-3-phphoglycerate dehydrogenase	0.8522
DDX5	Probable ATP-dependent RNA helicase DDX5	0.8522
OLA1	Obg-like ATPase 1	0.8522
TKT	Transketolase	0.8494
RLA1	60S acidic ribomal protein P1	0.8376
RL7A	60S ribomal protein L7a	0.8333
KCRB	Creatine kinase B-type	0.8232
H32	Histone H3.2	0.7948
H3C	Histone H3.3C	0.7948
RCC2	Protein RCC2	0.7930
HN1L	Hematological and neurological expressed 1-like protein	0.7899
EF2	Elongation factor 2	0.7644
NACA	Nascent polypeptide-associated complex subunit alpha	0.7641
PPIL1	Peptidyl-prolyl cis-trans isomerase-like 1	0.7641

PROP	Properdin	0.7577
PSA7	Proteasome subunit alpha type-7	0.7537
FAS	Fatty acid synthase	0.7522
ESTD	S-formylglutathione hydrolase	0.7520
1433B	14-3-3 protein beta/alpha	0.7503
CLIC4	Chloride intracellular channel protein 4	0.7492
XPP1	Xaa-Pro aminopeptidase 1	0.7349
PTPA	Serine/threonine-protein phosphatase 2A activator	0.7349
EPIPL	Epiplakin	0.7342
1433G	14-3-3 protein gamma	0.7290
HNRPC	Heterogeneous nuclear ribonucleoproteins C1/C2	0.7268
TPP1	Tripeptidyl-peptidase 1	0.7253
RAN	GTP-binding nuclear protein Ran	0.7253
ALDR	Aldehyde reductase	0.7175
LMNA	Prelamin-A/C	0.7120
PSA4	Proteasome subunit alpha type-4	0.7118
SEM4A	Semaphorin-4A	0.6667
PPAC	Low molecular weight phosphotyrosine protein phosphatase	0.6606
ENPL	Endoplasmic reticulum protein	0.6474
HS90B	Heat shock protein HSP 90-beta	0.6413
SERC	Phosphoserine aminotransferase	0.6273
TCPQ	T-complex protein 1 subunit theta	0.6188
TCPA	T-complex protein 1 subunit alpha	0.6188
ROA1	Heterogeneous nuclear ribonucleoprotein A1	0.6188
SYG	Glycine--tRNA ligase	0.6188
HNRPU	Heterogeneous nuclear ribonucleoprotein U	0.6188
SK2L2	Superkiller viral activity 2-like 2	0.6113
EIF3A	Eukaryotic translation initiation factor 3 subunit A	0.6113
DNJC8	DnaJ homolog subfamily C member 8	0.6113
SYRC	Arginine--tRNA ligase, cytoplasmic	0.6113
PROSC	Proline synthase co-transcribed bacterial homolog protein	0.6113
LG3BP	Galectin-3-binding protein	0.6113
PRDX5	Peroxiredoxin-5, mitochondrial	0.6113
DUS3	Dual specificity protein phosphatase 3	0.6100
PUR9	Bifunctional purine biosynthesis protein PURH	0.6100
RL23A	60S ribosomal protein L23a	0.6100
RL29	60S ribosomal protein L29	0.6100
CPIN1	Anamorsin	0.6100
PEPL1	Probable aminopeptidase NPEPL1	0.6100
KAP0	cAMP-dependent protein kinase type I-alpha regulatory subunit	0.6100
MYH9	Myosin-9	0.6022
PSMD6	26S proteasome non-ATPase regulatory subunit 6	0.5996
TPIS	Triphosphate isomerase	0.5905
AK1A1	Alcohol dehydrogenase [NADP(+)]	0.5833

COR1A	Coronin-1A	0.5821
RINI	Ribonuclease inhibitor	0.5817
CC112	Coiled-coil domain-containing protein 112	0.5745
TCPZ	T-complex protein 1 subunit zeta	0.5723
LMNB1	Lamin-B1	0.5723
CNDP2	Cytolic non-specific dipeptidase	0.5723
HA1L	H-2 class I histocompatibility antigen, L-D alpha chain	0.5703
AN32E	Acidic leucine-rich nuclear phosphoprotein 32 family member E	0.5669
CUL3	Cullin-3	0.5664
EFR3B	Protein EFR3 homolog B	0.5560
CREG1	Protein CREG1	0.5470
XPO1	Exportin-1	0.5456
PSME2	Proteasome activator complex subunit 2	0.5456
ARPC2	Actin-related protein 2/3 complex subunit 2	0.5426
NP1L1	Nucleome assembly protein 1-like 1	0.5422
ATNG	Sodium/potassium-transporting ATPase subunit gamma	0.5421
CFAH	Complement factor H	0.5398
SUH	Recombining binding protein suppressor of hairless	0.5398
FEN1	Flap endonuclease 1	0.5398
MTPN	Myotrophin	0.5387
G6PI	Glucose-6-phosphate isomerase	0.5323
PGK1	Phosphoglycerate kinase 1	0.5238
THIO	Thioredoxin	0.5201
RT15	28S ribosomal protein S15, mitochondrial	0.5176
RASF7	Ras association domain-containing protein 7	0.5176
GP113	Probable G-protein coupled receptor 113	0.5176
IBTK	Inhibitor of Bruton tyrosine kinase	0.5176
HS90A	Heat shock protein HSP 90-alpha	0.5038
VIME	Vimentin	0.5004
APT	Adenine phosphoribosyltransferase	0.4921
LSM7	U6 snRNA-associated Sm-like protein LSM7	0.4921
EIF3G	Eukaryotic translation initiation factor 3 subunit G	0.4921
PCCB	Propionyl-CoA carboxylase beta chain, mitochondrial	0.4921
EMID1	EMI domain-containing protein 1	0.4921
IRAK4	Interleukin-1 receptor-associated kinase 4	0.4921
MAP9	Microtubule-associated protein 9	0.4921
CHD7	Chromodomain-helicase-DNA-binding protein 7	0.4921
WASF3	Wiskott-Aldrich syndrome protein family member 3	0.4916
HINT1	Histidine triad nucleotide-binding protein 1	0.4897
IF4A1	Eukaryotic initiation factor 4A-I	0.4888
CLH1	Clathrin heavy chain 1	0.4762
TCPH	T-complex protein 1 subunit eta	0.4762
H11	Histone H1.1	0.4762
PTN6	Tyrosine-protein phosphatase non-receptor type 6	0.4762
TCPD	T-complex protein 1 subunit delta	0.4762

EIF3B	Eukaryotic translation initiation factor 3 subunit B	0.4762
DCPS	m7GpppX diphphatase	0.4762
NUCL	Nucleolin	0.4625
HMGB1	High mobility group protein B1	0.4619
RLA0	60S acidic ribomal protein P0	0.4619
ALDOC	Fructe-bisphphate aldolase C	0.4599
ACTB	Actin, cytoplasmic 1	0.4503
ACTG	Actin, cytoplasmic 2	0.4503
ACTC	Actin, alpha cardiac muscle 1	0.4482
RANG	Ran-specific GTPase-activating protein	0.4466
LYZ2	Lysozyme C-2	0.4456
PSA5	Proteasome subunit alpha type-5	0.4423
1433Z	14-3-3 protein zeta/delta	0.4400
NSF1C	NSFL1 cofactor p47	0.4365
ACLY	ATP-citrate synthase	0.4365
UPP2	Uridine phphorylase 2	0.4365
RL22	60S ribomal protein L22	0.4365
CSN3	COP9 signalome complex subunit 3	0.4365
DX39B	Spliceome RNA helicase Ddx39b	0.4330
PRDX1	Peroxioredoxin-1	0.4318
CHRD1	Cysteine and histidine-rich domain-containing protein 1	0.4288
TR150	Thyroid hormone receptor-associated protein 3	0.4288
LKHA4	Leukotriene A-4 hydrolase	0.4288
MINP1	Multiple initol polyphphate phphatase 1	0.4288
UFM1	Ubiquitin-fold modifier 1	0.4288
GALT7	N-acetylgalactaminyltransferase 7	0.4288
PPM1G	Protein phphatase 1G	0.4288
RALY	RNA-binding protein Raly	0.4288
LSM5	U6 snRNA-associated Sm-like protein LSm5	0.4288
NAA50	N-alpha-acetyltransferase 50	0.4288
RN219	RING finger protein 219	0.4288
UBXN1	UBX domain-containing protein 1	0.4288
ELOC	Transcription elongation factor B polypeptide 1	0.4288
RL26	60S ribomal protein L26	0.4288
BPNT1	3'(2'),5'-bisphphate nucleotidase 1	0.4288
LRC47	Leucine-rich repeat-containing protein 47	0.4288
MP2K1	Dual specificity mitogen-activated protein kinase kinase 1	0.4288
ADK	Adenine kinase	0.4288
PIANP	PILR alpha-associated neural protein	0.4288
CSF2R	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha	0.4288
CSN5	COP9 signalome complex subunit 5	0.4288
NLTP	Non-specific lipid-transfer protein	0.4288
SF3A3	Splicing factor 3A subunit 3	0.4288
MTA3	Metastasis-associated protein MTA3	0.4288

KBTB3	Kelch repeat and BTB domain-containing protein 3	0.4288
TKTL2	Transketolase-like protein 2	0.4288
SPT2	Protein SPT2 homolog	0.4288
STOX2	Storkhead-box protein 2	0.4288
CO4A4	Collagen alpha-4(IV) chain	0.4288
1433E	14-3-3 protein epsilon	0.4264
WDR1	WD repeat-containing protein 1	0.4242
FKBP3	Peptidyl-prolyl cis-trans isomerase FKBP3	0.4226
SRSF2	Serine/arginine-rich splicing factor 2	0.4226
UBC9	SUMO-conjugating enzyme UBC9	0.4217
MIF	Macrophage migration inhibitory factor	0.4207
GELS	Gelsolin	0.4177
PGAM1	Phosphoglycerate mutase 1	0.4170
KIF2C	Kinesin-like protein KIF2C	0.3914
VAS1	V-type proton ATPase subunit S1	0.3885
GNAO	Guanine nucleotide-binding protein G(o) subunit alpha	0.3848
IMB1	Importin subunit beta-1	0.3826
HSP7C	Heat shock cognate 71 kDa protein	0.3787
LYZ1	Lysozyme C-1	0.3765
PPGB	Lysosomal protective protein	0.3758
OL141	Olfactory receptor 141	0.3733
EIF2A	Eukaryotic translation initiation factor 2A	0.3733
SRP19	Signal recognition particle 19 kDa protein	0.3733
TCPB	T-complex protein 1 subunit beta	0.3728
SDCB1	Syntenin-1	0.3699
VINC	Vinculin	0.3675
APLP2	Amyloid-like protein 2	0.3638
EIF3I	Eukaryotic translation initiation factor 3 subunit I	0.3638
PDIA1	Protein disulfide-isomerase	0.3615
1433F	14-3-3 protein eta	0.3585
TLN1	Talin-1	0.3581
1433T	14-3-3 protein theta	0.3530
CAPR1	Caprin-1	0.3467
CLIC1	Chloride intracellular channel protein 1	0.3396
IF5	Eukaryotic translation initiation factor 5	0.3379
SYNJ2	Synaptojanin-2	0.3336
PSB3	Proteasome subunit beta type-3	0.3299
LASP1	LIM and SH3 domain protein 1	0.3288
LIRB4	Leukocyte immunoglobulin-like receptor subfamily B member 4	0.3218
UBP14	Ubiquitin carboxyl-terminal hydrolase 14	0.3164
SERB	Phosphatidyl phosphatase	0.3127
HSP13	Heat shock 70 kDa protein 13	0.3094
PRS10	26S protease regulatory subunit 10B	0.3094
BGLR	Beta-glucuronidase	0.3094
RSMB	Small nuclear ribonucleoprotein-associated protein B	0.3094

PGM2	Phphoglucomutase-2	0.3094
NUDC	Nuclear migration protein nudC	0.3094
MA2B1	Lysomal alpha-mannidase	0.3094
CDC37	Hsp90 co-chaperone Cdc37	0.3094
RD23B	UV excision repair protein RAD23 homolog B	0.3094
CATL1	Cathepsin L1	0.3061
PFD2	Prefoldin subunit 2	0.3050
PDIA4	Protein disulfide-isomerase A4	0.3011
RL12	60S ribosomal protein L12	0.2958
CATZ	Cathepsin Z	0.2934
LEG3	Galectin-3	0.2887
ARC1B	Actin-related protein 2/3 complex subunit 1B	0.2874
THOC4	THO complex subunit 4	0.2869
CATS	Cathepsin S	0.2827
EMIL2	EMILIN-2	0.2802
FABP5	Fatty acid-binding protein, epidermal	0.2741
RENK	Renin receptor	0.2734
NUCKS	Nuclear ubiquitous casein and cyclin-dependent kinase substrate 1	0.2729
TPM3	Tropomyosin alpha-3 chain	0.2661
CAPG	Macrophage-capping protein	0.2647
NDKA	Nucleoside diphosphate kinase A	0.2646
IDI1	Isopentenyl-diphosphate Delta-isomerase 1	0.2645
PUR4	Phosphoribosylformylglycinamide synthase	0.2595
ASM3A	Acid sphingomyelinase-like phosphodiesterase 3a	0.2595
EF1D	Elongation factor 1-delta	0.2595
ADAM8	Disintegrin and metalloproteinase domain-containing protein 8	0.2595
CATB	Cathepsin B	0.2594
SAP3	Ganglioside GM2 activator	0.2564
HYAL1	Hyaluronidase-1	0.2440
DPYL2	Dihydropyrimidinase-related protein 2	0.2440
NIT2	Omega-amidase NIT2	0.2440
PRXD1	Prolyl-tRNA synthetase associated domain-containing protein 1	0.2440
UBE4B	Ubiquitin conjugation factor E4 B	0.2440
LSM2	U6 snRNA-associated Sm-like protein LSM2	0.2440
NLGN3	Neurologin-3	0.2440
CRIP1	Cysteine-rich protein 1	0.2440
CD63	CD63 antigen	0.2440
METK2	S-adenosylmethionine synthase isoform type-2	0.2440
TBCB	Tubulin-folding cofactor B	0.2440
TOIP1	Torsin-1A-interacting protein 1	0.2440
RAGP1	Ran GTPase-activating protein 1	0.2440
A16A1	Aldehyde dehydrogenase family 16 member A1	0.2440
FABP4	Fatty acid-binding protein, adipocyte	0.2440

RL19	60S ribosomal protein L19	0.2440
EIF3H	Eukaryotic translation initiation factor 3 subunit H	0.2440
TEX11	Testis-expressed sequence 11 protein	0.2440
DNJA4	DnaJ homolog subfamily A member 4	0.2440
PIN1	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	0.2440
VP26A	Vacuolar protein sorting-associated protein 26A	0.2440
ARSA	Arylsulfatase A	0.2440
VPS35	Vacuolar protein sorting-associated protein 35	0.2440
BACH	Cytolic acyl coenzyme A thioester hydrolase	0.2440
UBC12	NEDD8-conjugating enzyme Ubc12	0.2440
DAG1	Dystroglycan	0.2440
HNRPK	Heterogeneous nuclear ribonucleoprotein K	0.2440
PSA6	Proteasome subunit alpha type-6	0.2437
ERH	Enhancer of rudimentary homolog	0.2405
SET	Protein SET	0.2400
EMAL4	Echinoderm microtubule-associated protein-like 4	0.2365
NAMPT	Nicotinamide phosphoribyltransferase	0.2362
LEG1	Galectin-1	0.2336
DNS2A	Deoxyribonuclease-2-alpha	0.2223
GBLP	Guanine nucleotide-binding protein subunit beta-2-like 1	0.2222
HMGB2	High mobility group protein B2	0.2221
ENOA	Alpha-enolase	0.2140
PSB8	Proteasome subunit beta type-8	0.2084
IF4B	Eukaryotic translation initiation factor 4B	0.2083
HCLS1	Hematopoietic lineage cell-specific protein	0.2083
PA1B2	Platelet-activating factor acetylhydrolase IB subunit beta	0.2083
SYYC	Tyrosine--tRNA ligase, cytoplasmic	0.2083
MARE1	Microtubule-associated protein RP/EB family member 1	0.2014
NMU	Neuromedin-U	0.2014
NOE1	Noelin	0.2014
SYAC	Alanine--tRNA ligase, cytoplasmic	0.2012
BROX	BRO1 domain-containing protein BROX	0.2012
SYTC	Threonine--tRNA ligase, cytoplasmic	0.2012
DNLI1	DNA ligase 1	0.2012
NUMBL	Numb-like protein	0.1956
ERF1	Eukaryotic peptide chain release factor subunit 1	0.1953
EF1B	Elongation factor 1-beta	0.1913
SH3L1	SH3 domain-binding glutamic acid-rich-like protein	0.1907
DDX21	Nucleolar RNA helicase 2	0.1868
OSTA	Organic solute transporter subunit alpha	0.1856
PCNA	Proliferating cell nuclear antigen	0.1827
NASP	Nuclear autoantigenic sperm protein	0.1802
TCEA1	Transcription elongation factor A protein 1	0.1704
2AAA	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	0.1704

PFD3	Prefoldin subunit 3	0.1704
PTMA	Prothymine alpha	0.1674
TCPE	T-complex protein 1 subunit epsilon	0.1635
H4	Histone H4	0.1614
CLD13	Claudin-13	0.1547
SYNE1	Nesprin-1	0.1538
STMN1	Stathmin	0.1512
NONO	Non-POU domain-containing octamer-binding protein	0.1480
PPID	Peptidyl-prolyl cis-trans isomerase D	0.1476
PP14B	Protein phosphatase 1 regulatory subunit 14B	0.1467
ARPC3	Actin-related protein 2/3 complex subunit 3	0.1409
HMGN2	Non-histone chromosomal protein HMG-17	0.1398
TBB5	Tubulin beta-5 chain	0.1397
SEP11	Septin-11	0.1387
API5	Apoptosis inhibitor 5	0.1387
GLD4	Glyoxalase domain-containing protein 4	0.1387
LAP2B	Lamina-associated polypeptide 2, isoforms beta/delta/epsilon/gamma	0.1371
HNRPD	Heterogeneous nuclear ribonucleoprotein D0	0.1345
BLVRB	Flavin reductase (NADPH)	0.1333
DHPR	Dihydropteridine reductase	0.1333
TCOF	Treacle protein	0.1321
CSF1R	Macrophage colony-stimulating factor 1 receptor	0.1306
RBM8A	RNA-binding protein 8A	0.1301
AMPN	Aminopeptidase N	0.1225
BGAL	Beta-galactidase	0.1212
EIF3E	Eukaryotic translation initiation factor 3 subunit E	0.1212
B3GN2	N-acetyllactaminide beta-1,3-N-acetylglucaminyltransferase 2	0.1181
PRDX6	Peroxiredoxin-6	0.1170
SRSF1	Serine/arginine-rich splicing factor 1	0.1127
EF1G	Elongation factor 1-gamma	0.1114
HEXB	Beta-hexaminidase subunit beta	0.1096
SFPQ	Splicing factor, proline- and glutamine-rich	0.1091
ISOC1	Isochorismatase domain-containing protein 1	0.1091
DYHC1	Cytoplasmic dynein 1 heavy chain 1	0.1091
PRS6B	26S protease regulatory subunit 6B	0.1091
ARPC4	Actin-related protein 2/3 complex subunit 4	0.1091
CD9	CD9 antigen	0.1091
ARSB	Arylsulfatase B	0.1091
IF2G	Eukaryotic translation initiation factor 2 subunit 3, X-linked	0.1091
AMPB	Aminopeptidase B	0.1091
CLU	Clustered mitochondria protein homolog	0.1091
MCM2	DNA replication licensing factor MCM2	0.1091
EIF3C	Eukaryotic translation initiation factor 3 subunit C	0.1091
MTAP	S-methyl-5'-thioadenine phosphorylase	0.1091

PSMD9	26S proteasome non-ATPase regulatory subunit 9	0.1091
ASAH1	Acid ceramidase	0.1091
SYSC	Serine--tRNA ligase, cytoplasmic	0.1091
PSA1	Proteasome subunit alpha type-1	0.1030
PDIA6	Protein disulfide-isomerase A6	0.1006
GLRX3	Glutaredoxin-3	0.1006
TCPG	T-complex protein 1 subunit gamma	0.1006
MESH1	Guanine-3',5'-bis(diphosphate) 3'-pyrophosphohydrolase MESH1	0.1006
DPP2	Dipeptidyl peptidase 2	0.1006
SYHC	Histidine--tRNA ligase, cytoplasmic	0.1006
PFD5	Prefoldin subunit 5	0.1006
COIA1	Collagen alpha-1(XVIII) chain	0.1006
NQO2	Ribylidihydronicotinamide dehydrogenase [quinone]	0.1006
CYBP	Calcyclin-binding protein	0.0985
PARK7	Protein DJ-1	0.0984
CBX3	Chromobox protein homolog 3	0.0981
PLTP	Phospholipid transfer protein	0.0893
LMNB2	Lamin-B2	0.0893
SEN7	Sentrin-specific protease 7	0.0893
RBBP7	Histone-binding protein RBBP7	0.0893
RBBP4	Histone-binding protein RBBP4	0.0893
INO1	Inositol-3-phosphate synthase 1	0.0886
RS12	40S ribosomal protein S12	0.0874
CAB45	45 kDa calcium-binding protein	0.0862
ACTN1	Alpha-actinin-1	0.0818
PDXK	Pyridoxal kinase	0.0788
SIL1	Nucleotide exchange factor SIL1	0.0761
COL12	Collectin-12	0.0749
NUCB1	Nucleobindin-1	0.0749
STB5L	Syntaxin-binding protein 5-like	0.0610
GDIR1	Rho GDP-dissociation inhibitor 1	0.0601
XIRP2	Xin actin-binding repeat-containing protein 2	0.0536
ACTN4	Alpha-actinin-4	0.0513
B2MG	Beta-2-microglobulin	0.0493
TRI26	Tripartite motif-containing protein 26	0.0492
PPT1	Palmitoyl-protein thioesterase 1	0.0490
LDHA	L-lactate dehydrogenase A chain	0.0484
HIC2	Hypermethylated in cancer 2 protein	0.0427
PSB1	Proteasome subunit beta type-1	0.0425
METRL	Meteorin-like protein	0.0424
NPM3	Nucleoplasmin-3	0.0409
IGHG1	Ig gamma-1 chain C region secreted form	0.0302
CAP1	Adenylyl cyclase-associated protein 1	0.0256
PABP2	Polyadenylate-binding protein 2	0.0222
PDIA3	Protein disulfide-isomerase A3	0.0000

IGSF8	Immunoglobulin superfamily member 8	0.0000
LICH	Lysosomal acid lipase/cholesteryl ester hydrolase	0.0000
6PGL	6-phosphogluconolactonase	0.0000
CATC	Dipeptidyl peptidase 1	0.0000
APEX1	DNA-(apurinic or apyrimidinic site) lyase	0.0000
GLU2B	Glucidase 2 subunit beta	0.0000
PDC6I	Programmed cell death 6-interacting protein	0.0000
LIPL	Lipoprotein lipase	0.0000
IF4A3	Eukaryotic initiation factor 4A-III	0.0000
NAGAB	Alpha-N-acetylgalactaminidase	0.0000
FRIH	Ferritin heavy chain	0.0000
TNFL9	Tumor necrosis factor ligand superfamily member 9	0.0000
PRP19	Pre-mRNA-processing factor 19	0.0000
ARLY	Argininosuccinate lyase	0.0000
STX7	Syntaxin-7	0.0000
DYR	Dihydrofolate reductase	0.0000
DDB1	DNA damage-binding protein 1	0.0000
HNRPQ	Heterogeneous nuclear ribonucleoprotein Q	0.0000
IF2B	Eukaryotic translation initiation factor 2 subunit 2	0.0000
SEPT7	Septin-7	0.0000
S10AA	Protein S100-A10	0.0000
TIM8B	Mitochondrial import inner membrane translocase subunit Tim8 B	0.0000
COPD	Coatomer subunit delta	0.0000
ATOX1	Copper transport protein ATOX1	0.0000
DNMT1	DNA (cytosine-5)-methyltransferase 1	0.0000
IPO9	Importin-9	0.0000
ALD2	Aldehyde reductase-related protein 2	0.0000
HMGN1	Non-histone chromosomal protein HMG-14	0.0000
OTUB1	Ubiquitin thioesterase OTUB1	0.0000
TRXR1	Thioredoxin reductase 1, cytoplasmic	0.0000
IDE	Insulin-degrading enzyme	0.0000
EMAL2	Echinoderm microtubule-associated protein-like 2	0.0000
ARP3	Actin-related protein 3	0.0000
AATM	Aspartate aminotransferase, mitochondrial	0.0000
TPD52	Tumor protein D52	0.0000
CSN4	COP9 signalosome complex subunit 4	0.0000
KIF21A	Kinesin-like protein KIF21A	0.0000
GGH	Gamma-glutamyl hydrolase	0.0000
VATG1	V-type proton ATPase subunit G 1	0.0000
SYFA	Phenylalanine--tRNA ligase alpha subunit	0.0000
ITB1	Integrin beta-1	0.0000
SAFB1	Scaffold attachment factor B1	0.0000
HMG2A	High mobility group protein HMGB2-C	0.0000
TSN	Translin	0.0000

ANGI	Angiogenin	0.0000
PSB7	Proteasome subunit beta type-7	0.0000
SYCC	Cysteine--tRNA ligase, cytoplasmic	0.0000
TPP2	Tripeptidyl-peptidase 2	0.0000
PLBL2	Putative phpholipase B-like 2	0.0000
VASP	Vasodilator-stimulated phphoprotein	0.0000
MYOF	Myoferlin	0.0000
ITA4	Integrin alpha-4	0.0000
PTGR1	Prtaglandin reductase 1	0.0000
SP16H	FACT complex subunit SPT16	0.0000
TCAF2	TRPM8 channel-associated factor 2	0.0000
SCLY	Selenocysteine lyase	0.0000
CREL2	Cysteine-rich with EGF-like domain protein 2	0.0000
BZW1	Basic leucine zipper and W2 domain-containing protein 1	0.0000
LC7L2	Putative RNA-binding protein Luc7-like 2	0.0000
CAR10	Caspase recruitment domain-containing protein 10	0.0000
CHD4	Chromodomain-helicase-DNA-binding protein 4	0.0000
PIPNA	Phphatidylinitol transfer protein alpha isoform	0.0000
AMPD2	AMP deaminase 2	0.0000
RTN4	Reticulon-4	0.0000
LIN7C	Protein lin-7 homolog C	0.0000
SCOT1	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial	0.0000
AGAL	Alpha-galactidase A	0.0000
ARCH	Protein archease	0.0000
CSN1	COP9 signalome complex subunit 1	0.0000
CATA	Catalase	0.0000
SEPT2	Septin-2	0.0000
DDX1	ATP-dependent RNA helicase DDX1	0.0000
LTOR5	Ragulator complex protein LAMTOR5	0.0000
TOM1	Target of Myb protein 1	0.0000
BOLA2	BolA-like protein 2	0.0000
CBR1	Carbonyl reductase [NADPH] 1	0.0000
RL11	60S ribomal protein L11	0.0000
COR1B	Coronin-1B	0.0000
CLM5	CMRF35-like molecule 5	0.0000
OTUD3	OTU domain-containing protein 3	0.0000
WDR5	WD repeat-containing protein 5	0.0000
CNPY2	Protein canopy homolog 2	0.0000
SC23B	Protein transport protein Sec23B	0.0000
AS3MT	Arsenite methyltransferase	0.0000
H2AY	Core histone macro-H2A.1	0.0000
RSH6A	Radial spoke head protein 6 homolog A	0.0000
SYNC	Asparagine--tRNA ligase, cytoplasmic	0.0000
BASP1	Brain acid soluble protein 1	0.0000

WDHD1	WD repeat and HMG-box DNA-binding protein 1	0.0000
GALM	Alde 1-epimerase	0.0000
CCD96	Coiled-coil domain-containing protein 96	0.0000
NHLC2	NHL repeat-containing protein 2	0.0000
HIRP3	HIRA-interacting protein 3	0.0000
NOP58	Nucleolar protein 58	0.0000
SF3B1	Splicing factor 3B subunit 1	0.0000
NEUR1	Sialidase-1	0.0000
VATA	V-type proton ATPase catalytic subunit A	0.0000
PHAX	Phosphorylated adapter RNA export protein	0.0000
ITB2	Integrin beta-2	0.0000
EXOS2	Exome complex component RRP4	0.0000
TRNT1	CCA tRNA nucleotidyltransferase 1, mitochondrial	0.0000
MYH7B	Myosin-7B	0.0000
B4GT5	Beta-1,4-galactyltransferase 5	0.0000
ERP44	Endoplasmic reticulum resident protein 44	0.0000
DC1L1	Cytoplasmic dynein 1 light intermediate chain 1	0.0000
PPCE	Prolyl endopeptidase	0.0000
HAT1	Histone acetyltransferase type B catalytic subunit	0.0000
IFG15	Torsin-1A-interacting protein 2, isoform IFRG15	0.0000
SDF2L	Stromal cell-derived factor 2-like protein 1	0.0000
RUVB1	RuvB-like 1	0.0000
PHRF1	PHD and RING finger domain-containing protein 1	0.0000
SMRC1	SWI/SNF complex subunit SMARCC1	0.0000
SYEP	Bifunctional glutamate/proline--tRNA ligase	0.0000
NPTN	Neuroplastin	0.0000
DGKZ	Diacylglycerol kinase zeta	0.0000
TIF1B	Transcription intermediary factor 1-beta	0.0000
RTCB	tRNA-splicing ligase RtcB homolog	0.0000
LSM12	Protein LSM12 homolog	0.0000
C1RA	Complement C1r-A subcomponent	0.0000
SNUT2	U4/U6.U5 tri-snRNP-associated protein 2	0.0000
SMAP1	Stromal membrane-associated protein 1	0.0000
HAP28	28 kDa heat- and acid-stable phosphoprotein	0.0000
RBBP6	E3 ubiquitin-protein ligase RBBP6	0.0000
GMFB	Glia maturation factor beta	0.0000
FKBP2	Peptidyl-prolyl cis-trans isomerase FKBP2	0.0000
LARP7	La-related protein 7	0.0000
PVRL1	Poliovirus receptor-related protein 1	0.0000
IFM3	Interferon-induced transmembrane protein 3	0.0000
SPB6	Serpin B6	0.0000
NAGK	N-acetyl-D-glucamine kinase	0.0000
S39AA	Zinc transporter ZIP10	0.0000
PHP14	14 kDa phosphohistidine phosphatase	0.0000
PNO1	RNA-binding protein PNO1	0.0000

FUCO2	Plasma alpha-L-fucidase	0.0000
PGM5	Phphoglucomutase-like protein 5	0.0000
CATF	Cathepsin F	0.0000
TXD12	Thioredoxin domain-containing protein 12	0.0000
PPT2	Lysomal thioesterase PPT2	0.0000
SIA8D	CMP-N-acetylneuraminate-poly-alpha-2,8-sialyltransferase	0.0000
TBX2	T-box transcription factor TBX2	0.0000
RB11B	Ras-related protein Rab-11B	0.0000
MACF1	Microtubule-actin crs-linking factor 1	0.0000
PGP	Phphoglycolate phphatase	0.0000
SEPT9	Septin-9	0.0000
DYL1	Dynein light chain 1, cytoplasmic	0.0000
VATB2	V-type proton ATPase subunit B, brain isoform	0.0000
RS18	40S ribomal protein S18	0.0000
PTG3L	Putative protein PTGES3L	0.0000
PP1G	Serine/threonine-protein phphatase PP1-gamma catalytic subunit	0.0000
SERF2	Small EDRK-rich factor 2	0.0000
HDGR2	Hepatoma-derived growth factor-related protein 2	0.0000
S10A6	Protein S100-A6	0.0000
SZRD1	SUZ domain-containing protein 1	0.0000
LSM4	U6 snRNA-associated Sm-like protein LSm4	0.0000
CISD1	CDGSH iron-sulfur domain-containing protein 1	0.0000
PTMS	Parathymin	0.0000
SAP18	Histone deacetylase complex subunit SAP18	0.0000
CK098	Uncharacterized protein C11orf98 homolog	0.0000
RL13	60S ribomal protein L13	0.0000
ACOT2	Acyl-coenzyme A thioesterase 2, mitochondrial	0.0000
NH2L1	NHP2-like protein 1	0.0000
RUXG	Small nuclear ribonucleoprotein G	0.0000
LTOR3	Ragulator complex protein LAMTOR3	0.0000
RPAB3	DNA-directed RNA polymerases I, II, and III subunit RPABC3	0.0000
ADHX	Alcohol dehydrogenase class-3	0.0000
RAB14	Ras-related protein Rab-14	0.0000
RAB7A	Ras-related protein Rab-7a	0.0000
PRPS1	Ribe-phphate pyrophphokinase 1	0.0000
TIGAR	Fructe-2,6-bisphphatase TIGAR	0.0000
MTNA	Methylthioribe-1-phphate isomerase	0.0000
RS10	40S ribomal protein S10	0.0000
ATIF1	ATPase inhibitor, mitochondrial	0.0000
CRYL1	Lambda-crystallin homolog	0.0000
UBE2K	Ubiquitin-conjugating enzyme E2 K	0.0000
IL2RG	Cytokine receptor common subunit gamma	0.0000
WDR61	WD repeat-containing protein 61	0.0000
ECI1	Enoyl-CoA delta isomerase 1, mitochondrial	0.0000

LARP1	La-related protein 1	0.0000
DNJC7	DnaJ homolog subfamily C member 7	0.0000
MTNB	Methylthioribule-1-phphate dehydratase	0.0000
DJB11	DnaJ homolog subfamily B member 11	0.0000
HYI	Putative hydroxypyruvate isomerase	0.0000
TSNAX	Translin-associated protein X	0.0000
DIAC	Di-N-acetylchitobiase	0.0000
PTN18	Tyrine-protein phphatase non-receptor type 18	0.0000
AIMP1	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1	0.0000
MEPCE	7SK snRNA methylphphate capping enzyme	0.0000
NUF2	Kinetochore protein Nuf2	0.0000
PCBP2	Poly(rC)-binding protein 2	0.0000
PP2AB	Serine/threonine-protein phphatase 2A catalytic subunit beta isoform	0.0000
LSP1	Lymphocyte-specific protein 1	0.0000
EHD4	EH domain-containing protein 4	0.0000
VRK1	Serine/threonine-protein kinase VRK1	0.0000
PININ	Pinin	0.0000
KIF22	Kinesin-like protein KIF22	0.0000
CSTN1	Calsyntenin-1	0.0000
DNPEP	Aspartyl aminopeptidase	0.0000
SRRM1	Serine/arginine repetitive matrix protein 1	0.0000
GALNS	N-acetylgalactamine-6-sulfatase	0.0000
BAG1	BAG family molecular chaperone regulator 1	0.0000
CPZIP	CapZ-interacting protein	0.0000
SNX2	Sorting nexin-2	0.0000
COPB2	Coatomer subunit beta'	0.0000
BIN2	Bridging integrator 2	0.0000
THIC	Acetyl-CoA acetyltransferase, cytolc	0.0000
SHLB2	Endophilin-B2	0.0000
ODO2	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	0.0000
GUAD	Guanine deaminase	0.0000
T2FA	General transcription factor IIF subunit 1	0.0000
PLRG1	Pleiotropic regulator 1	0.0000
PAK2	Serine/threonine-protein kinase PAK 2	0.0000
SAE2	SUMO-activating enzyme subunit 2	0.0000
RSRC1	Serine/Arginine-related protein 53	0.0000
CCD22	Coiled-coil domain-containing protein 22	0.0000
IMA3	Importin subunit alpha-3	0.0000
GUAA	GMP synthase [glutamine-hydrolyzing]	0.0000
AP2A1	AP-2 complex subunit alpha-1	0.0000
SYFB	Phenylalanine--tRNA ligase beta subunit	0.0000
TTL10	Protein polyglycyclase TTL10	0.0000
AFAP1	Actin filament-associated protein 1	0.0000

CF222	Uncharacterized protein C6orf222 homolog	0.0000
TCHP	Trichoplein keratin filament-binding protein	0.0000
MRC1	Macrophage mannose receptor 1	0.0000
HGS	Hepatocyte growth factor-regulated tyrosine kinase substrate	0.0000
TRDN	Triadin	0.0000
PARP1	Poly [ADP-ribose] polymerase 1	0.0000
FNBP4	Formin-binding protein 4	0.0000
NRDC	Nardilysin	0.0000
COPA	Coatomer subunit alpha	0.0000
CBPD	Carboxypeptidase D	0.0000
PDE3B	cGMP-inhibited 3',5'-cyclic phosphodiesterase B	0.0000
F16A1	Protein FAM160A1	0.0000
TARA	TRIO and F-actin-binding protein	0.0000
USP9X	Probable ubiquitin carboxyl-terminal hydrolase FAF-X	0.0000
DYHC2	Cytoplasmic dynein 2 heavy chain 1	0.0000
CATD	Cathepsin D	-0.0030
H2A1H	Histone H2A type 1-H	-0.0128
H2A2C	Histone H2A type 2-C	-0.0128
NDKB	Nucleoside diphosphate kinase B	-0.0162
GRN	Granulins	-0.0163
ENV1	MLV-related proviral Env polyprotein	-0.0344
NPM	Nucleophmin	-0.0420
SAHH	Adenylylhomocysteinase	-0.0432
PNPH	Purine nucleoside phosphorylase	-0.0490
GLYC	Serine hydroxymethyltransferase, cytosolic	-0.0523
CD166	CD166 antigen	-0.0559
S10AB	Protein S100-A11	-0.0563
TADBP	TAR DNA-binding protein 43	-0.0582
6PGD	6-phosphogluconate dehydrogenase, decarboxylating	-0.0649
QSOX1	Sulfhydryl oxidase 1	-0.0661
SYWC	Tryptophan--tRNA ligase, cytoplasmic	-0.0717
LGMN	Legumain	-0.0729
PSME1	Proteasome activator complex subunit 1	-0.0761
UROK	Urokinase-type plasminogen activator	-0.0781
RS28	40S ribosomal protein S28	-0.0788
NAA38	N-alpha-acetyltransferase 38, NatC auxiliary subunit	-0.0788
IL1RA	Interleukin-1 receptor antagonist protein	-0.0841
AF1L1	Actin filament-associated protein 1-like 1	-0.0852
SUMO1	Small ubiquitin-related modifier 1	-0.0852
ACON	Aconitate hydratase, mitochondrial	-0.0852
LGUL	Lactoylglutathione lyase	-0.0852
ROAA	Heterogeneous nuclear ribonucleoprotein A/B	-0.0879
NRP2	Neuropilin-2	-0.0893
EF1A1	Elongation factor 1-alpha 1	-0.0897
HNRPF	Heterogeneous nuclear ribonucleoprotein F	-0.0926

DPEP2	Dipeptidase 2	-0.0985
UBA1	Ubiquitin-like modifier-activating enzyme 1	-0.0985
CAPZB	F-actin-capping protein subunit beta	-0.0985
PSD11	26S proteasome non-ATPase regulatory subunit 11	-0.1006
CERU	Ceruloplasmin	-0.1006
OTU6B	OTU domain-containing protein 6B	-0.1006
GRHPR	Glyoxylate reductase/hydroxypyruvate reductase	-0.1006
SWP70	Switch-associated protein 70	-0.1006
COR1C	Coronin-1C	-0.1006
GLCM	Glucylceramidase	-0.1006
UAP1L	UDP-N-acetylhexamine pyrophosphorylase-like protein 1	-0.1091
FLNA	Filamin-A	-0.1110
RAC1	Ras-related C3 botulinum toxin substrate 1	-0.1127
H13	Histone H1.3	-0.1132
PEBP1	Phphatidylethanolamine-binding protein 1	-0.1134
RLA2	60S acidic ribomal protein P2	-0.1163
BIEA	Biliverdin reductase A	-0.1212
H15	Histone H1.5	-0.1256
PRDX2	Peroxiredoxin-2	-0.1277
HDGF	Hepatoma-derived growth factor	-0.1293
CAH2	Carbonic anhydrase 2	-0.1341
H2AZ	Histone H2A.Z	-0.1378
RSSA	40S ribomal protein SA	-0.1387
ROA2	Heterogeneous nuclear ribonucleoproteins A2/B1	-0.1387
STIP1	Stress-induced-phphoprotein 1	-0.1387
H14	Histone H1.4	-0.1387
LAMC1	Laminin subunit gamma-1	-0.1387
CLC5A	C-type lectin domain family 5 member A	-0.1387
GNS	N-acetylglucamine-6-sulfatase	-0.1393
PPIB	Peptidyl-prolyl cis-trans isomerase B	-0.1401
TREM2	Triggering receptor expressed on myeloid cells 2	-0.1480
SAP	Sulfated glycoprotein 1	-0.1508
CH60	60 kDa heat shock protein, mitochondrial	-0.1523
AL9A1	4-trimethylaminobutyraldehyde dehydrogenase	-0.1523
SRSF3	Serine/arginine-rich splicing factor 3	-0.1523
TYB10	Thymin beta-10	-0.1567
FPPS	Farnesyl pyrophosphate synthase	-0.1597
RBM3	Putative RNA-binding protein 3	-0.1605
MDHC	Malate dehydrogenase, cytoplasmic	-0.1622
YBOX3	Y-box-binding protein 3	-0.1635
UBB	Polyubiquitin-B	-0.1653
TBB4B	Tubulin beta-4B chain	-0.1667
CCD12	Coiled-coil domain-containing protein 12	-0.1704
NAPSA	Napsin-A	-0.1704
COTL1	Coactin-like protein	-0.1704

ECM1	Extracellular matrix protein 1	-0.1719
ALDOA	Fructose-bisphosphate aldolase A	-0.1753
HMGAI1	High mobility group protein HMG-I/HMG-Y	-0.1754
UB2L3	Ubiquitin-conjugating enzyme E2 L3	-0.1755
CCL9	C-C motif chemokine 9	-0.1776
FUMH	Fumarate hydratase, mitochondrial	-0.1786
IMPA1	Inositol monophosphatase 1	-0.1790
GLDN	Gliomedin	-0.1801
PLD4	Phospholipase D4	-0.1850
AN32B	Acidic leucine-rich nuclear phosphoprotein 32 family member B	-0.1871
HA12	H-2 class I histocompatibility antigen, D-D alpha chain	-0.1880
G3BP1	Ras GTPase-activating protein-binding protein 1	-0.1886
IDHC	Isocitrate dehydrogenase [NADP] cytoplasmic	-0.1958
CD44	CD44 antigen	-0.1958
GANAB	Neutral alpha-glucosidase AB	-0.1970
5NT3A	Cytolic 5'-nucleotidase 3A	-0.2012
FLNB	Filamin-B	-0.2012
TCO2	Transcobalamin-2	-0.2012
UBP5	Ubiquitin carboxyl-terminal hydrolase 5	-0.2012
DPP3	Dipeptidyl peptidase 3	-0.2012
EDF1	Endothelial differentiation-related factor 1	-0.2012
LY86	Lymphocyte antigen 86	-0.2023
PSA2	Proteasome subunit alpha type-2	-0.2026
KPYM	Pyruvate kinase PKM	-0.2028
ABRAL	Ctars family protein ABRACL	-0.2056
P5CR3	Pyrroline-5-carboxylate reductase 3	-0.2083
MA2B2	Epididymis-specific alpha-mannidase	-0.2083
PFD1	Prefoldin subunit 1	-0.2083
TXND5	Thioredoxin domain-containing protein 5	-0.2083
SND1	Staphylococcal nuclease domain-containing protein 1	-0.2083
ADAM9	Disintegrin and metalloproteinase domain-containing protein 9	-0.2083
SEM6B	Semaphorin-6B	-0.2083
LSM3	U6 snRNA-associated Sm-like protein LSM3	-0.2083
MTND	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase	-0.2083
ACTZ	Alpha-centractin	-0.2083
VS10L	V-set and immunoglobulin domain-containing protein 10-like	-0.2083
BOLA1	BolA-like protein 1	-0.2083
XCT	Cystine/glutamate transporter	-0.2083
HP1B3	Heterochromatin protein 1-binding protein 3	-0.2083
SRSF5	Serine/arginine-rich splicing factor 5	-0.2083
IFT80	Intraflagellar transport protein 80 homolog	-0.2083
STRAP	Serine-threonine kinase receptor-associated protein	-0.2083
MVD1	Diphosphomevalonate decarboxylase	-0.2083
FKB15	FK506-binding protein 15	-0.2083
SF3A1	Splicing factor 3A subunit 1	-0.2083

CAN10	Calpain-10	-0.2083
UGGG1	UDP-glucose:glycoprotein glucyltransferase 1	-0.2083
ELAV1	ELAV-like protein 1	-0.2083
DBNL	Drebrin-like protein	-0.2083
ANFY1	Ankyrin repeat and FYVE domain-containing protein 1	-0.2083
SYN1	Synapsin-1	-0.2083
DCTN2	Dynactin subunit 2	-0.2083
CUTA	Protein CutA	-0.2083
SGTA	Small glutamine-rich tetratricopeptide repeat-containing protein alpha	-0.2083
SYDC	Aspartate--tRNA ligase, cytoplasmic	-0.2083
EI2BA	Translation initiation factor eIF-2B subunit alpha	-0.2083
NMRL1	NmrA-like family domain-containing protein 1	-0.2083
CD36	Platelet glycoprotein 4	-0.2083
IGF1	Insulin-like growth factor I	-0.2083
TWF2	Twinfilin-2	-0.2083
PRS6A	26S protease regulatory subunit 6A	-0.2083
TNC18	Trinucleotide repeat-containing gene 18 protein	-0.2083
SC31B	Protein transport protein Sec31B	-0.2083
TMM42	Transmembrane protein 42	-0.2083
GRDN	Girdin	-0.2083
RGF1B	Ras-GEF domain-containing family member 1B	-0.2083
RIMKA	N-acetylaspartylglutamate synthase A	-0.2083
PIM3	Serine/threonine-protein kinase pim-3	-0.2083
PMM2	Phosphomannomutase 2	-0.2083
MPRI	Cation-independent mannose-6-phosphate receptor	-0.2083
NU188	Nucleoporin NUP188 homolog	-0.2083
MYCN	N-myc proto-oncogene protein	-0.2083
T2FB	General transcription factor IIF subunit 2	-0.2083
KLC1	Kinesin light chain 1	-0.2083
SEM3C	Semaphorin-3C	-0.2083
CENPJ	Centromere protein J	-0.2083
CSN8	COP9 signalosome complex subunit 8	-0.2083
IPO7	Importin-7	-0.2083
DHX15	Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	-0.2083
ENOPH	Enolase-phosphatase E1	-0.2083
MANBA	Beta-mannidase	-0.2083
IMA7	Importin subunit alpha-7	-0.2083
ICAM1	Intercellular adhesion molecule 1	-0.2083
AP2B1	AP-2 complex subunit beta	-0.2083
ACOC	Cytoplasmic ascorbate hydratase	-0.2083
ORN	Oligoribonuclease, mitochondrial	-0.2083
GNPI1	Glucamine-6-phosphate isomerase 1	-0.2083
RPIA	Ribose-5-phosphate isomerase	-0.2083

RNAS4	Ribonuclease 4	-0.2083
STC2	Stanniocalcin-2	-0.2083
MEP50	Methylome protein 50	-0.2083
ADA	Adenine deaminase	-0.2083
KAD2	Adenylate kinase 2, mitochondrial	-0.2083
HEM3	Porphobilinogen deaminase	-0.2083
DNPH1	2'-deoxynucleide 5'-phosphate N-hydrolase 1	-0.2083
AIFM1	Apoptosis-inducing factor 1, mitochondrial	-0.2083
IBP4	Insulin-like growth factor-binding protein 4	-0.2083
CDC42	Cell division control protein 42 homolog	-0.2083
RL24	60S ribosomal protein L24	-0.2083
FUCM	Fucose mutarotase	-0.2083
GSHR	Glutathione reductase, mitochondrial	-0.2083
TPK1	Thiamin pyrophosphokinase 1	-0.2083
LRC59	Leucine-rich repeat-containing protein 59	-0.2083
SMD2	Small nuclear ribonucleoprotein Sm D2	-0.2083
EFHD2	EF-hand domain-containing protein D2	-0.2083
RRBP1	Ribosome-binding protein 1	-0.2083
CCD58	Coiled-coil domain-containing protein 58	-0.2083
TTC1	Tetratricopeptide repeat protein 1	-0.2083
HEM2	Delta-aminolevulinic acid dehydratase	-0.2083
CPPED	Calcineurin-like phosphoesterase domain-containing protein 1	-0.2083
SPB8	Serpin B8	-0.2083
GTPC1	Putative GTP cyclohydrolase 1 type 2 Nif3l1	-0.2083
CAB39	Calcium-binding protein 39	-0.2083
UCP2	Mitochondrial uncoupling protein 2	-0.2083
ANXA3	Annexin A3	-0.2083
GBP2	Interferon-induced guanylate-binding protein 2	-0.2083
SMN	Survival motor neuron protein	-0.2083
FUBP2	Far upstream element-binding protein 2	-0.2083
LYRIC	Protein LYRIC	-0.2083
CSTF2	Cleavage stimulation factor subunit 2	-0.2083
MATR3	Matrin-3	-0.2083
ABI2	Abl interactor 2	-0.2083
INAR2	Interferon alpha/beta receptor 2	-0.2083
URP2	Fermitin family homolog 3	-0.2083
SP1	Transcription factor Sp1	-0.2083
FUS	RNA-binding protein FUS	-0.2083
AP2A2	AP-2 complex subunit alpha-2	-0.2083
MBB1A	Myb-binding protein 1A	-0.2083
ILF3	Interleukin enhancer-binding factor 3	-0.2083
DPOLA	DNA polymerase alpha catalytic subunit	-0.2083
EFCB5	EF-hand calcium-binding domain-containing protein 5	-0.2083
CBP	CREB-binding protein	-0.2083
ALBU	Serum albumin	-0.2106

RMXL1	RNA binding motif protein, X-linked-like-1	-0.2113
G6PD1	Glucose-6-phosphate 1-dehydrogenase X	-0.2189
HEXA	Beta-hexaminidase subunit alpha	-0.2219
U2AF2	Splicing factor U2AF 65 kDa subunit	-0.2309
GDIB	Rab GDP dissociation inhibitor beta	-0.2312
TCTP	Translationally-controlled tumor protein	-0.2392
PLSL	Plastin-2	-0.2420
TALDO	Transaldolase	-0.2496
HA1D	H-2 class I histocompatibility antigen, K-D alpha chain	-0.2498
ANXA5	Annexin A5	-0.2529
PROF1	Profilin-1	-0.2535
HS3S5	Heparan sulfate glucosyltransferase 5	-0.2564
SRRM2	Serine/arginine repetitive matrix protein 2	-0.2564
TCAF3	TRPM8 channel-associated factor 3	-0.2564
PCP	Lysosomal Pro-X carboxypeptidase	-0.2564
XRN1	5'-3' exoribonuclease 1	-0.2564
TM11L	Transmembrane protease serine 11B-like protein	-0.2564
NHSL1	NHS-like protein 1	-0.2564
MAP7	Enscosin	-0.2564
TCP4	Activated RNA polymerase II transcriptional coactivator p15	-0.2564
MERL	Merlin	-0.2564
CYTB	Cystatin-B	-0.2595
NEXN	Nexilin	-0.2595
BLMH	Bleomycin hydrolase	-0.2595
TBA1C	Tubulin alpha-1C chain	-0.2630
YBOX1	Nuclease-sensitive element-binding protein 1	-0.2690
VAPA	Vesicle-associated membrane protein-associated protein A	-0.2759
PPRC1	Peroxisome proliferator-activated receptor gamma coactivator-related protein 1	-0.2778
IGJ	Immunoglobulin J chain	-0.2778
ANGL6	Angiopoietin-related protein 6	-0.2778
CQ074	Uncharacterized protein C17orf74 homolog	-0.2778
FUT8	Alpha-(1,6)-fucyltransferase	-0.2778
CP2DB	Cytochrome P450 2D11	-0.2778
GRIA2	Glutamate receptor 2	-0.2778
SHRM2	Protein Shroom2	-0.2778
DHX30	Putative ATP-dependent RNA helicase DHX30	-0.2778
RBM28	RNA-binding protein 28	-0.2778
PSB6	Proteasome subunit beta type-6	-0.2807
CALR	Calreticulin	-0.2891
PLCH1	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-1	-0.2899
SYNRG	Synergyn gamma	-0.2899
TLR4	Toll-like receptor 4	-0.2899
PSB2	Proteasome subunit beta type-2	-0.2910
ENOB	Beta-enolase	-0.2929

OPA1	Dynamin-like 120 kDa protein, mitochondrial	-0.2976
IKZF4	Zinc finger protein E	-0.3030
KRI1	Protein KRI1 homolog	-0.3030
DET1	DET1 homolog	-0.3030
SGCE	Epsilon-sarcoglycan	-0.3070
PTBP1	Polypyrimidine tract-binding protein 1	-0.3094
CALU	Calumenin	-0.3094
SEM4B	Semaphorin-4B	-0.3094
CCD43	Coiled-coil domain-containing protein 43	-0.3125
OSTP	teopontin	-0.3130
CAZA1	F-actin-capping protein subunit alpha-1	-0.3148
NT5C	5'(3')-deoxyribonucleotidase, cytolitic type	-0.3151
ANXA1	Annexin A1	-0.3151
PEAK1	Pseudopodium-enriched atypical kinase 1	-0.3205
BAZ1A	Bromodomain adjacent to zinc finger domain protein 1A	-0.3220
MID51	Mitochondrial dynamics protein MID51	-0.3220
MATN1	Cartilage matrix protein	-0.3241
SBNO2	Protein strawberry notch homolog 2	-0.3268
BAX	Apoptis regulator BAX	-0.3270
MKRN1	E3 ubiquitin-protein ligase makorin-1	-0.3274
COQ6	Ubiquinone biynthesis monooxygenase COQ6	-0.3289
CIB3	Calcium and integrin-binding family member 3	-0.3300
ADO	Aldehyde oxidase	-0.3301
DLGP5	Disks large-associated protein 5	-0.3303
COOA1	Collagen alpha-1(XXIV) chain	-0.3318
NEDD8	NEDD8	-0.3333
DPY30	Protein dpy-30 homolog	-0.3347
GNPMB	Transmembrane glycoprotein NMB	-0.3353
COF1	Cofilin-1	-0.3375
CAZA2	F-actin-capping protein subunit alpha-2	-0.3405
FUCO	Tissue alpha-L-fucidase	-0.3467
PAIRB	Plasminogen activator inhibitor 1 RNA-binding protein	-0.3467
PSMD4	26S proteasome non-ATPase regulatory subunit 4	-0.3467
DYL2	Dynein light chain 2, cytoplasmic	-0.3467
IMDH2	Inine-5'-monophosphate dehydrogenase 2	-0.3467
NOP56	Nucleolar protein 56	-0.3467
PROS	Vitamin K-dependent protein S	-0.3467
EWS	RNA-binding protein EWS	-0.3467
IF4G1	Eukaryotic translation initiation factor 4 gamma 1	-0.3467
SKP1	S-phase kinase-associated protein 1	-0.3467
LYAG	Lysomal alpha-glucidase	-0.3467
ADA17	Disintegrin and metalloproteinase domain-containing protein 17	-0.3467
PTN21	Tyrosine-protein phosphatase non-receptor type 21	-0.3467
GSHB	Glutathione synthetase	-0.3467

MCTS1	Malignant T-cell-amplified sequence 1	-0.3467
SODM	Superoxide dismutase [Mn], mitochondrial	-0.3467
CFDP1	Craniofacial development protein 1	-0.3467
PSME3	Proteasome activator complex subunit 3	-0.3467
RPB4	DNA-directed RNA polymerase II subunit RPB4	-0.3467
TBC24	TBC1 domain family member 24	-0.3467
LACB2	Beta-lactamase-like protein 2	-0.3467
UGPA	UTP--glucose-1-phosphate uridylyltransferase	-0.3467
PSD12	26S proteasome non-ATPase regulatory subunit 12	-0.3467
RS19	40S ribosomal protein S19	-0.3467
MAP4	Microtubule-associated protein 4	-0.3467
PSB10	Proteasome subunit beta type-10	-0.3467
APEH	Acylamino-acid-releasing enzyme	-0.3467
UTP11	Probable U3 small nucleolar RNA-associated protein 11	-0.3467
IPYR	Inorganic pyrophosphatase	-0.3467
GAS6	Growth arrest-specific protein 6	-0.3467
ARHL2	Poly(ADP-ribose) glycohydrolase ARH3	-0.3467
MIA40	Mitochondrial intermembrane space import and assembly protein 40	-0.3467
LMAN2	Vesicular integral-membrane protein VIP36	-0.3467
PCBP1	Poly(rC)-binding protein 1	-0.3467
BTF3	Transcription factor BTF3	-0.3467
SPS1	Selenide, water dikinase 1	-0.3467
PP4C	Serine/threonine-protein phosphatase 4 catalytic subunit	-0.3467
GBB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	-0.3467
KAP2	cAMP-dependent protein kinase type II-alpha regulatory subunit	-0.3467
NMT1	Glycylpeptide N-tetradecanoyltransferase 1	-0.3467
FA50A	Protein FAM50A	-0.3467
MAP2	Methionine aminopeptidase 2	-0.3467
SLAP1	Src-like-adaptor	-0.3467
CELF2	CUGBP Elav-like family member 2	-0.3467
HXK1	Hexokinase-1	-0.3467
PSB4	Proteasome subunit beta type-4	-0.3467
EI3JA	Eukaryotic translation initiation factor 3 subunit J-A	-0.3467
MVP	Major vault protein	-0.3534
FKBP4	Peptidyl-prolyl cis-trans isomerase FKBP4	-0.3573
MYG1	UPF0160 protein MYG1, mitochondrial	-0.3573
PLOD1	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 1	-0.3573
PUR8	Adenylsuccinate lyase	-0.3581
SH3L3	SH3 domain-binding glutamic acid-rich-like protein 3	-0.3652
RADI	Radixin	-0.3675
EZRI	Ezrin	-0.3675
IQGA1	Ras GTPase-activating-like protein IQGAP1	-0.3675
PIMT	Protein-L-isoaspartate(D-aspartate) O-methyltransferase	-0.3675

K1C24	Keratin, type I cytoskeletal 24	-0.3675
SMAP	Small acidic protein	-0.3675
IF6	Eukaryotic translation initiation factor 6	-0.3675
GILT	Gamma-interferon-inducible lysosomal thiol reductase	-0.3675
LDB1	LIM domain-binding protein 1	-0.3675
GRP78	78 kDa glucose-regulated protein	-0.3745
ERP29	Endoplasmic reticulum resident protein 29	-0.3772
S10A4	Protein S100-A4	-0.3787
TPM4	Tropomyosin alpha-4 chain	-0.3841
AN32A	Acidic leucine-rich nuclear phosphoprotein 32 family member A	-0.3886
SODC	Superoxide dismutase [Cu-Zn]	-0.3922
PPIA	Peptidyl-prolyl cis-trans isomerase A	-0.4032
FKBP1A	Peptidyl-prolyl cis-trans isomerase FKBP1A	-0.4061
SYVC	Valine--tRNA ligase	-0.4088
SMHD1	Structural maintenance of chromosomes flexible hinge domain-containing protein 1	-0.4108
DAPLE	Protein Daple	-0.4108
PCNP	PEST proteolytic signal-containing nuclear protein	-0.4108
COX17	Cytochrome c oxidase copper chaperone	-0.4108
ARG28	Rho guanine nucleotide exchange factor 28	-0.4108
MANF	Mesencephalic astrocyte-derived neurotrophic factor	-0.4176
SMD1	Small nuclear ribonucleoprotein Sm D1	-0.4203
XPO2	Exportin-2	-0.4251
CCL2	C-C motif chemokine 2	-0.4308
ACADV	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	-0.4378
C1QBP	Complement component 1 Q subcomponent-binding protein, mitochondrial	-0.4378
RYR3	Ryanodine receptor 3	-0.4410
MOES	Moesin	-0.4432
SUMO2	Small ubiquitin-related modifier 2	-0.4455
CH10	10 kDa heat shock protein, mitochondrial	-0.4526
HSP74	Heat shock 70 kDa protein 4	-0.4547
CYC	Cytochrome c, somatic	-0.4567
CCL3	C-C motif chemokine 3	-0.4577
PTGR2	Prostaglandin reductase 2	-0.4577
GCSH	Glycine cleavage system H protein, mitochondrial	-0.4577
MINT	Msx2-interacting protein	-0.4609
IPO5	Importin-5	-0.4652
G3P	Glyceraldehyde-3-phosphate dehydrogenase	-0.4679
HMG5	High mobility group nucleosome-binding domain-containing protein 5	-0.4715
ACBP	Acyl-CoA-binding protein	-0.4715
PABP1	Polyadenylate-binding protein 1	-0.4762
CALX	Calnexin	-0.4762
VMA5A	von Willebrand factor A domain-containing protein 5A	-0.4762

HN1	Hematological and neurological expressed 1 protein	-0.4762
PEPD	Xaa-Pro dipeptidase	-0.4762
SEM4D	Semaphorin-4D	-0.4762
AMPL	Cytol aminopeptidase	-0.4762
ITM2B	Integral membrane protein 2B	-0.4762
SF01	Splicing factor 1	-0.4762
PKHO2	Pleckstrin homology domain-containing family O member 2	-0.4762
RL4	60S ribomal protein L4	-0.4762
GSTM1	Glutathione S-transferase Mu 1	-0.4762
SPRE	Sepiapterin reductase	-0.4762
PFD6	Prefoldin subunit 6	-0.4762
AP4A	Bis(5'-nucleyl)-tetraphphatase [asymmetrical]	-0.4762
HMOX1	Heme oxygenase 1	-0.4762
RS25	40S ribomal protein S25	-0.4762
CISY	Citrate synthase, mitochondrial	-0.4762
SMD3	Small nuclear ribonucleoprotein Sm D3	-0.4762
BCAT1	Branched-chain-amino-acid aminotransferase, cytolc	-0.4762
TFR1	Transferrin receptor protein 1	-0.4762
PSA3	Proteasome subunit alpha type-3	-0.4767
F10A1	Hsc70-interacting protein	-0.4767
SUMO3	Small ubiquitin-related modifier 3	-0.4789
FA49B	Protein FAM49B	-0.4797
LA	Lupus La protein homolog	-0.4797
ANXA2	Annexin A2	-0.4797
HCDH	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	-0.4797
GLO2	Hydroxyacylglutathione hydrolase, mitochondrial	-0.4797
PSA	Puromycin-sensitive aminopeptidase	-0.4797
CDV3	Protein CDV3	-0.4880
LDLR	Low-density lipoprotein receptor	-0.4888
NTF2	Nuclear transport factor 2	-0.5000
AATC	Aspartate aminotransferase, cytoplasmic	-0.5052
ARP19	cAMP-regulated phphoprotein 19	-0.5058
ALDH2	Aldehyde dehydrogenase, mitochondrial	-0.5119
IDUA	Alpha-L-iduronidase	-0.5135
SPEE	Spermidine synthase	-0.5135
NKTR	NK-tumor recognition protein	-0.5135
OAT	Ornithine aminotransferase, mitochondrial	-0.5135
CS010	UPF0556 protein C19orf10 homolog	-0.5135
CALM	Calmodulin	-0.5176
RNT2	Ribonuclease T2	-0.5190
KCY	UMP-CMP kinase	-0.5330
CYTC	Cystatin-C	-0.5434
PGM1	Phphoglucomutase-1	-0.5456
CD14	Monocyte differentiation antigen CD14	-0.5547
RL17	60S ribomal protein L17	-0.5548

TAGL2	Transgelin-2	-0.5564
TXD17	Thioredoxin domain-containing protein 17	-0.5614
PPIC	Peptidyl-prolyl cis-trans isomerase C	-0.5683
ERAP1	Endoplasmic reticulum aminopeptidase 1	-0.5683
PLST	Plastin-3	-0.5766
TBCA	Tubulin-specific chaperone A	-0.5965
GRB2	Growth factor receptor-bound protein 2	-0.5996
SNX5	Sorting nexin-5	-0.6091
HYOU1	Hypoxia up-regulated protein 1	-0.6113
TIMP2	Metalloproteinase inhibitor 2	-0.6113
EIF1	Eukaryotic translation initiation factor 1	-0.6113
CANT1	Soluble calcium-activated nucleotidase 1	-0.6113
IF4E	Eukaryotic translation initiation factor 4E	-0.6113
RHOA	Transforming protein RhoA	-0.6113
IF2A	Eukaryotic translation initiation factor 2 subunit 1	-0.6113
IGHM	Ig mu chain C region	-0.6144
SARNP	SAP domain-containing ribonucleoprotein	-0.6150
ROA3	Heterogeneous nuclear ribonucleoprotein A3	-0.6254
TERA	Transitional endoplasmic reticulum ATPase	-0.6279
RISC	Retinoid-inducible serine carboxypeptidase	-0.6316
MEMO1	Protein MEMO1	-0.6601
PA2G4	Proliferation-associated protein 2G4	-0.6619
GDIR2	Rho GDP-dissociation inhibitor 2	-0.6681
MDHM	Malate dehydrogenase, mitochondrial	-0.6808
DMP4	Extracellular serine/threonine protein kinase FAM20C	-0.7088
PURA2	Adenyluccinate synthetase isozyme 2	-0.7527
PP1R7	Protein phosphatase 1 regulatory subunit 7	-0.7641
THOP1	Thimet oligopeptidase	-0.7785
PIN4	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 4	-0.8541
HPRT	Hypoxanthine-guanine phosphoribyltransferase	-0.8819
RS21	40S ribosomal protein S21	-0.8974
Z385A	Zinc finger protein 385A	-0.9313
SHPS1	Tyrosine-protein phosphatase non-receptor type substrate 1	-0.9381
GSTO1	Glutathione S-transferase omega-1	-1.0334
PP4R2	Serine/threonine-protein phosphatase 4 regulatory subunit 2	-2.5000