

Supplementary Table S1: List of proteins in the HCV Core and NS4B extended PPI networks

Proteins in the Core extended network

Gene ID	Symbol	Gene Name
CORE	CORE	HCV Core protein
10014	HDAC5	histone deacetylase 5
10060	ABCC9	ATP-binding cassette, sub-family C (CFTR/MRP), member 9
10289	EIF1B	eukaryotic translation initiation factor 1B
10301	DLEU1	deleted in lymphocytic leukemia 1 (non-protein coding)
10381	TUBB3	tubulin, beta 3
10382	TUBB4	tubulin, beta 4
10397	NDRG1	N-myc downstream regulated 1
10425	ARIH2	ariadne homolog 2 (<i>Drosophila</i>)
1053	CEBPE	CCAAT/enhancer binding protein (C/EBP), epsilon
10563	CXCL13	chemokine (C-X-C motif) ligand 13
10574	CCT7	chaperonin containing TCP1, subunit 7 (eta)
10912	GADD45G	growth arrest and DNA-damage-inducible, gamma
11178	LZTS1	leucine zipper, putative tumor suppressor 1
11345	GABARAPL2	GABA(A) receptor-associated protein-like 2
116154	PHACTR3	phosphatase and actin regulator 3
1200	TPP1	tripeptidyl peptidase I
126272	EID2B	EP300 interacting inhibitor of differentiation 2B
1356	CP	ceruloplasmin (ferroxidase)
1478	CSTF2	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa
1511	CTSG	cathepsin G
1583	CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide 1
158345	RPL4P5	ribosomal protein L4 pseudogene 5
1588	CYP19A1	cytochrome P450, family 19, subfamily A, polypeptide 1
1647	GADD45A	growth arrest and DNA-damage-inducible, alpha
1736	DKC1	dyskeratosis congenita 1, dyskerin
1762	DMWD	dystrophia myotonica, WD repeat containing
1891	ECH1	enoyl Coenzyme A hydratase 1, peroxisomal
1933	EEF1B2	eukaryotic translation elongation factor 1 beta 2
1936	EEF1D	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)
1937	EEF1G	eukaryotic translation elongation factor 1 gamma
1942	EFNA1	ephrin-A1
1956	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)
1964	EIF1AX	eukaryotic translation initiation factor 1A, X-linked
196549	EEF1DP3	eukaryotic translation elongation factor 1 delta pseudogene 3
1983	EIF5	eukaryotic translation initiation factor 5
1991	ELANE	elastase, neutrophil expressed
2	A2M	alpha-2-macroglobulin
2023	ENO1	enolase 1, (alpha)
2035	EPB41	erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked)
2108	ETFA	electron-transfer-flavoprotein, alpha polypeptide
2109	ETFB	electron-transfer-flavoprotein, beta polypeptide
2175	FANCA	Fanconi anemia, complementation group A
2237	FEN1	flap structure-specific endonuclease 1
2290	FOXP1	forkhead box G1
23557	SNAPIN	SNAP-associated protein

2495	FTH1	ferritin, heavy polypeptide 1
251	ALPPL2	alkaline phosphatase, placental-like 2
2512	FTL	ferritin, light polypeptide
2597	GAPDH	glyceraldehyde-3-phosphate dehydrogenase
26085	KLK13	kallikrein-related peptidase 13
2629	GBA	glucosidase, beta, acid
2720	GLB1	galactosidase, beta 1
2885	GRB2	growth factor receptor-bound protein 2
292	SLC25A5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5
293	SLC25A6	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6
2990	GUSB	glucuronidase, beta
29903	CCDC106	coiled-coil domain containing 106
3035	HARS	histidyl-tRNA synthetase
3091	HIF1A	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
3106	HLA-B	major histocompatibility complex, class I, B
3163	HMOX2	heme oxygenase (decycling) 2
3189	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9)
3309	HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
3329	HSPD1	heat shock 60kDa protein 1 (chaperonin)
335	APOA1	apolipoprotein A-I
339448	C1orf174	chromosome 1 open reading frame 174
34	ACADM	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain
347	APOD	apolipoprotein D
354	KLK3	kallikrein-related peptidase 3
3608	ILF2	interleukin enhancer binding factor 2, 45kDa
3692	EIF6	eukaryotic translation initiation factor 6
3735	KARS	lysyl-tRNA synthetase
375	ARF1	ADP-ribosylation factor 1
3827	KNG1	kininogen 1
4035	LRP1	low density lipoprotein receptor-related protein 1
4093	SMAD9	SMAD family member 9
412	STS	steroid sulfatase (microsomal), isozyme S
4128	MAOA	monoamine oxidase A
4163	MCC	mutated in colorectal cancers
4214	MAP3K1	mitogen-activated protein kinase kinase kinase 1
427	ASAHI1	N-acylsphingosine amidohydrolase (acid ceramidase) 1
4353	MPO	myeloperoxidase
4543	MTNR1A	melatonin receptor 1A
4597	MVD	mevalonate (diphospho) decarboxylase
4609	MYC	v-myc myelocytomatosis viral oncogene homolog (avian)
4704	NDUFA9	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa
4720	NDUFS2	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)
4722	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)
4729	NDUFV2	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa
4780	NFE2L2	nuclear factor (erythroid-derived 2)-like 2
4790	NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
4792	NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha

4831	NME2	non-metastatic cells 2, protein (NM23B) expressed in
498	ATP5A1	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
5009	OTC	ornithine carbamoyltransferase
506	ATP5B	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta polypeptide
5071	PARK2	Parkinson disease (autosomal recessive, juvenile) 2, parkin
51003	MED31	mediator complex subunit 31
51520	LARS	leucyl-tRNA synthetase
51535	PPHLN1	periphilin 1
51608	C7orf20	chromosome 7 open reading frame 20
51678	MPP6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)
523	ATP6V1A	ATPase, H ⁺ transporting, lysosomal 70kDa, V1 subunit A
5245	PHB	prohibitin
526	ATP6V1B2	ATPase, H ⁺ transporting, lysosomal 56/58kDa, V1 subunit B2
5265	SERPINA1	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
5316	PKNOX1	PBX/knotted 1 homeobox 1
5340	PLG	plasminogen
5347	PLK1	polo-like kinase 1 (<i>Drosophila</i>)
54984	PINX1	PIN2-interacting protein 1
55068	ENOX1	ecto-NOX disulfide-thiol exchanger 1
55207	ARL8B	ADP-ribosylation factor-like 8B
55339	WDR33	WD repeat domain 33
5562	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit
5564	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit
55743	CHFR	checkpoint with forkhead and ring finger domains
55755	CDK5RAP2	CDK5 regulatory subunit associated protein 2
55803	ADAP2	ArfGAP with dual PH domains 2
5646	PRSS3	protease, serine, 3
5657	PRTN3	proteinase 3
566	AZU1	azurocidin 1
5682	PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1
5683	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2
5684	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3
5685	PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4
5686	PSMA5	proteasome (prosome, macropain) subunit, alpha type, 5
5687	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6
5688	PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7
5695	PSMB7	proteasome (prosome, macropain) subunit, beta type, 7
56993	TOMM22	translocase of outer mitochondrial membrane 22 homolog (yeast)
5710	PSMD4	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
5717	PSMD11	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11
5719	PSMD13	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13
57332	CBX8	chromobox homolog 8 (Pc class homolog, <i>Drosophila</i>)
57562	KIAA1377	KIAA1377
5764	PTN	pleiotrophin
57664	PLEKHA4	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4
5775	PTPN4	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)
57761	TRIB3	tribbles homolog 3 (<i>Drosophila</i>)
5802	PTPRS	protein tyrosine phosphatase, receptor type, S
5829	PXN	paxillin

5863	RGL2	ral guanine nucleotide dissociation stimulator-like 2
596	BCL2	B-cell CLL/lymphoma 2
5970	RELA	v-rel reticuloendotheliosis viral oncogene homolog A (avian)
5987	TRIM27	tripartite motif-containing 27
60	ACTB	actin, beta
6124	RPL4	ribosomal protein L4
6234	RPS28	ribosomal protein S28
6303	SAT1	spermidine/spermine N1-acetyltransferase 1
6310	ATXN1	ataxin 1
6399	TRAPPC2	trafficking protein particle complex 2
64431	ACTR6	ARP6 actin-related protein 6 homolog (yeast)
6498	SKIL	SKI-like oncogene
65220	NADK	NAD kinase
6613	SUMO2	SMT3 suppressor of mif two 3 homolog 2 (<i>S. cerevisiae</i>)
6633	SNRPD2	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa
6745	SSR1	signal sequence receptor, alpha
6881	TAF10	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa
6885	MAP3K7	mitogen-activated protein kinase kinase kinase 7
7077	TIMP2	TIMP metallopeptidase inhibitor 2
7132	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A
7133	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B
7185	TRAFF1	TNF receptor-associated factor 1
7186	TRAFF2	TNF receptor-associated factor 2
7189	TRAFF6	TNF receptor-associated factor 6
7350	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)
7407	VARS	valyl-tRNA synthetase
7414	VCL	vinculin
7416	VDAC1	voltage-dependent anion channel 1
7428	VHL	von Hippel-Lindau tumor suppressor
7532	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide
7534	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide
7572	ZNF24	zinc finger protein 24
7579	ZSCAN20	zinc finger and SCAN domain containing 20
7786	MAP3K12	mitogen-activated protein kinase kinase kinase 12
78987	CRELD1	cysteine-rich with EGF-like domains 1
79008	GIYD2	GIY-YIG domain containing 2
7917	BAT3	HLA-B associated transcript 3
7920	BAT5	HLA-B associated transcript 5
79577	CDC73	cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (<i>S. cerevisiae</i>)
79676	OGFOD2	2-oxoglutarate and iron-dependent oxygenase domain containing 2
79902	NUP85	nucleoporin 85kDa
81502	HM13	histocompatibility (minor) 13
821	CANX	calnexin
827	CAPN6	calpain 6
833	CARS	cysteinyl-tRNA synthetase
84331	FAM195A	family with sequence similarity 195, member A
8440	NCK2	NCK adaptor protein 2

84651	SPINK7	serine peptidase inhibitor, Kazal type 7 (putative)
8517	IKBKKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
8717	TRADD	TNFRSF1A-associated via death domain
8737	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1
8767	RIPK2	receptor-interacting serine-threonine kinase 2
9001	HAP1	huntingtin-associated protein 1
9114	ATP6V0D1	ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d1
9141	PDCD5	programmed cell death 5
9400	RECQL5	RecQ protein-like 5
9446	GSTO1	glutathione S-transferase omega 1
9474	ATG5	ATG5 autophagy related 5 homolog (S. cerevisiae)
950	SCARB2	scavenger receptor class B, member 2
9540	TP53I3	tumor protein p53 inducible protein 3
9638	FEZ1	fasciculation and elongation protein zeta 1 (zygin I)
9641	IKBKE	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
9669	EIF5B	eukaryotic translation initiation factor 5B
9670	IPO13	importin 13
9804	TOMM20	translocase of outer mitochondrial membrane 20 homolog (yeast)
998	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)

Proteins in the NS4B extended network

Gene ID	Symbol	Gene Name
10130	PDIA6	protein disulfide isomerase family A, member 6
10307	APBB3	amyloid beta (A4) precursor protein-binding, family B, member 3
10477	UBE2E3	ubiquitin-conjugating enzyme E2E 3 (UBC4/5 homolog, yeast)
10612	TRIM3	tripartite motif-containing 3
10682	EBP	emopamil binding protein (sterol isomerase)
10747	MASP2	mannan-binding lectin serine peptidase 2
1080	CFTR	cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7)
10924	SMPDL3A	sphingomyelin phosphodiesterase, acid-like 3A
10952	SEC61B	Sec61 beta subunit
10999	SLC27A4	solute carrier family 27 (fatty acid transporter), member 4
11061	LECT1	leukocyte cell derived chemotaxin 1
116844	LRG1	leucine-rich alpha-2-glycoprotein 1
117854	TRIM6	tripartite motif-containing 6
1191	CLU	clusterin
1209	CLPTM1	cleft lip and palate associated transmembrane protein 1
1230	CCR1	chemokine (C-C motif) receptor 1
128240	APOA1BP	apolipoprotein A-I binding protein
128876	FAM83C	family with sequence similarity 83, member C
132299	OCIAD2	OCIA domain containing 2
132660	LIN54	lin-54 homolog (C. elegans)
1327	COX4I1	cytochrome c oxidase subunit IV isoform 1
1356	CP	ceruloplasmin (ferroxidase)
1361	CPB2	carboxypeptidase B2 (plasma)
15	AANAT	arylalkylamine N-acetyltransferase
1511	CTSG	cathepsin G
1514	CTSL1	cathepsin L1
1528	CYB5A	cytochrome b5 type A (microsomal)
154467	C6orf129	chromosome 6 open reading frame 129

1571	CYP2E1	cytochrome P450, family 2, subfamily E, polypeptide 1
1600	DAB1	disabled homolog 1 (<i>Drosophila</i>)
1601	DAB2	disabled homolog 2, mitogen-responsive phosphoprotein (<i>Drosophila</i>)
1650	DDOST	dolichyl-diphosphooligosaccharide-protein glycosyltransferase
1676	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide
1785	DNM2	dynamin 2
1791	DNTT	deoxynucleotidyltransferase, terminal
1839	HBEGF	heparin-binding EGF-like growth factor
1876	E2F6	E2F transcription factor 6
19	ABC1	ATP-binding cassette, sub-family A (ABC1), member 1
1956	EGFR	epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)
196410	METTL7B	methyltransferase like 7B
1991	ELANE	elastase, neutrophil expressed
200185	KRTCAP2	keratinocyte associated protein 2
2013	EMP2	epithelial membrane protein 2
202559	KHDRBS2	KH domain containing, RNA binding, signal transduction associated 2
2064	ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
2065	ERBB3	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)
213	ALB	albumin
2147	F2	coagulation factor II (thrombin)
2149	F2R	coagulation factor II (thrombin) receptor
2150	F2RL1	coagulation factor II (thrombin) receptor-like 1
2153	F5	coagulation factor V (proaccelerin, labile factor)
2160	F11	coagulation factor XI
2165	F13B	coagulation factor XIII, B polypeptide
2189	FANCG	Fanconi anemia, complementation group G
2220	FCN2	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)
2243	FGA	fibrinogen alpha chain
2244	FGB	fibrinogen beta chain
2266	FGG	fibrinogen gamma chain
2267	FGL1	fibrinogen-like 1
22861	NLRP1	NLR family, pyrin domain containing 1
23065	KIAA0090	KIAA0090
23076	RRP1B	ribosomal RNA processing 1 homolog B (<i>S. cerevisiae</i>)
23460	ABC1	ATP-binding cassette, sub-family A (ABC1), member 6
24140	FTSJ1	FtsJ homolog 1 (<i>E. coli</i>)
25777	SUN2	Sad1 and UNC84 domain containing 2
26049	FAM169A	family with sequence similarity 169, member A
26085	KLK13	kallikrein-related peptidase 13
267	AMFR	autocrine motility factor receptor
27005	USP21	ubiquitin specific peptidase 21
27173	SLC39A1	solute carrier family 39 (zinc transporter), member 1
2731	GLDC	glycine dehydrogenase (decarboxylating)
2771	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2
2810	SFN	stratifin
2811	GP1BA	glycoprotein Ib (platelet), alpha polypeptide
2822	GPLD1	glycosylphosphatidylinositol specific phospholipase D1
286451	YIPF6	Yip1 domain family, member 6
29109	FHOD1	formin homology 2 domain containing 1

29927	SEC61A1	Sec61 alpha 1 subunit (<i>S. cerevisiae</i>)
29946	SERTAD3	SERTA domain containing 3
29979	UBQLN1	ubiquilin 1
30061	SLC40A1	solute carrier family 40 (iron-regulated transporter), member 1
302	ANXA2	annexin A2
3053	SERPIND1	serpin peptidase inhibitor, clade D (heparin cofactor), member 1
3106	HLA-B	major histocompatibility complex, class I, B
3109	HLA-DMB	major histocompatibility complex, class II, DM beta
3112	HLA-DOB	major histocompatibility complex, class II, DO beta
3122	HLA-DRA	major histocompatibility complex, class II, DR alpha
3164	NR4A1	nuclear receptor subfamily 4, group A, member 1
319	APOF	apolipoprotein F
3191	HNRNPL	heterogeneous nuclear ribonucleoprotein L
322	APBB1	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)
3276	PRMT1	protein arginine methyltransferase 1
3312	HSPA8	heat shock 70kDa protein 8
334	APLP2	amyloid beta (A4) precursor-like protein 2
335	APOA1	apolipoprotein A-I
338	APOB	apolipoprotein B (including Ag(x) antigen)
341	APOC1	apolipoprotein C-I
345	APOC3	apolipoprotein C-III
351	APP	amyloid beta (A4) precursor protein
354	KLK3	kallikrein-related peptidase 3
3674	ITGA2B	integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41)
3683	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)
3688	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
3690	ITGB3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)
3732	CD82	CD82 molecule
3815	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
3837	KPNB1	karyopherin (importin) beta 1
3857	KRT9	keratin 9
3868	KRT16	keratin 16
3929	LBP	lipopolysaccharide binding protein
3931	LCAT	lecithin-cholesterol acyltransferase
3990	LIPC	lipase, hepatic
4035	LRP1	low density lipoprotein receptor-related protein 1
4163	MCC	mutated in colorectal cancers
4179	CD46	CD46 molecule, complement regulatory protein
4267	CD99	CD99 molecule
4513	COX2	cytochrome c oxidase subunit II
4538	ND4	NADH dehydrogenase, subunit 4 (complex I)
4543	MTNR1A	melatonin receptor 1A
4544	MTNR1B	melatonin receptor 1B
4547	MTTP	microsomal triglyceride transfer protein
4580	MTX1	metaxin 1
462	SERPINC1	serpin peptidase inhibitor, clade C (antithrombin), member 1
4712	NDUFB6	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa
4831	NME2	non-metastatic cells 2, protein (NM23B) expressed in
4924	NUCB1	nucleobindin 1

4927	NUP88	nucleoporin 88kDa
5037	PEBP1	phosphatidylethanolamine binding protein 1
5054	SERPINE1	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1
51075	TMX2	thioredoxin-related transmembrane protein 2
5136	PDE1A	phosphodiesterase 1A, calmodulin-dependent
5142	PDE4B	phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)
51465	UBE2J1	ubiquitin-conjugating enzyme E2, J1 (UBC6 homolog, yeast)
51497	TH1L	TH1-like (Drosophila)
51643	TMBIM4	transmembrane BAX inhibitor motif containing 4
517	ATP5G2	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit C2 (subunit 9)
5265	SERPINA1	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1
5269	SERPINB6	serpin peptidase inhibitor, clade B (ovalbumin), member 6
5327	PLAT	plasminogen activator, tissue
5355	PLP2	proteolipid protein 2 (colonic epithelium-enriched)
5360	PLTP	phospholipid transfer protein
54065	FAM165B	family with sequence similarity 165, member B
54205	CYCS	cytochrome c, somatic
5446	PON3	paraoxonase 3
5447	POR	P450 (cytochrome) oxidoreductase
54499	TMC01	transmembrane and coiled-coil domains 1
54532	USP53	ubiquitin specific peptidase 53
54657	UGT1A4	UDP glucuronosyltransferase 1 family, polypeptide A4
54658	UGT1A1	UDP glucuronosyltransferase 1 family, polypeptide A1
5478	PPIA	peptidylprolyl isomerase A (cyclophilin A)
5479	PPIB	peptidylprolyl isomerase B (cyclophilin B)
54918	CMTM6	CKLF-like MARVEL transmembrane domain containing 6
54984	PINX1	PIN2-interacting protein 1
55034	MOCOS	molybdenum cofactor sulfurase
5564	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit
55669	MFN1	mitofusin 1
55700	MAP7D1	MAP7 domain containing 1
55969	C20orf24	chromosome 20 open reading frame 24
5617	PRL	prolactin
563	AZGP1	alpha-2-glycoprotein 1, zinc-binding
5635	PRPSAP1	phosphoribosyl pyrophosphate synthetase-associated protein 1
5646	PRSS3	protease, serine, 3
5648	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)
5657	PRTN3	proteinase 3
56851	C15orf24	chromosome 15 open reading frame 24
5693	PSMB5	proteasome (prosome, macropain) subunit, beta type, 5
57003	CCDC47	coiled-coil domain containing 47
5738	PTGFRN	prostaglandin F2 receptor negative regulator
5742	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)
5743	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
57473	ZNF512B	zinc finger protein 512B
57599	WDR48	WD repeat domain 48

57817	HAMP	hepcidin antimicrobial peptide
5829	PXN	paxillin
5860	QDPR	quinoid dihydropteridine reductase
5905	RANGAP1	Ran GTPase activating protein 1
5950	RBP4	retinol binding protein 4, plasma
6048	RNF5	ring finger protein 5
6146	RPL22	ribosomal protein L22
6185	RPN2	ribophorin II
6289	SAA2	serum amyloid A2
633	BGN	biglycan
64221	ROBO3	roundabout, axon guidance receptor, homolog 3 (<i>Drosophila</i>)
6462	SHBG	sex hormone-binding globulin
64759	TNS3	tensin 3
6522	SLC4A2	solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1)
6667	SP1	Sp1 transcription factor
672	BRCA1	breast cancer 1, early onset
6722	SRF	serum response factor (c-fos serum response element-binding transcription factor)
6745	SSR1	signal sequence receptor, alpha
6748	SSR4	signal sequence receptor, delta (translocon-associated protein delta)
6775	STAT4	signal transducer and activator of transcription 4
6836	SURF4	surfeit 4
7018	TF	transferrin
7056	THBD	thrombomodulin
7057	THBS1	thrombospondin 1
7076	TIMP1	TIMP metallopeptidase inhibitor 1
710	SERPING1	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1
712	C1QA	complement component 1, q subcomponent, A chain
7128	TNFAIP3	tumor necrosis factor, alpha-induced protein 3
714	C1QC	complement component 1, q subcomponent, C chain
7184	HSP90B1	heat shock protein 90kDa beta (Grp94), member 1
7185	TRAF1	TNF receptor-associated factor 1
7189	TRAF6	TNF receptor-associated factor 6
7248	TSC1	tuberous sclerosis 1
7276	TTR	transthyretin
7295	TXN	thioredoxin
7322	UBE2D2	ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast)
7323	UBE2D3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)
7324	UBE2E1	ubiquitin-conjugating enzyme E2E 1 (UBC4/5 homolog, yeast)
7328	UBE2H	ubiquitin-conjugating enzyme E2H (UBC8 homolog, yeast)
7428	VHL	von Hippel-Lindau tumor suppressor
7448	VTN	vitronectin
78992	YIPF2	Yip1 domain family, member 2
7905	REEP5	receptor accessory protein 5
79139	DERL1	Derl-like domain family, member 1
7920	BAT5	HLA-B associated transcript 5
799	CALCR	calcitonin receptor
811	CALR	calreticulin
81839	VANGL1	vang-like 1 (van gogh, <i>Drosophila</i>)
819	CAMLG	calcium modulating ligand
821	CANX	calnexin

84650	EBPL	emopamil binding protein-like
84975	MFSD5	major facilitator superfamily domain containing 5
8518	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein
8542	APOL1	apolipoprotein L, 1
8574	AKR7A2	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)
8708	B3GALT1	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1
8764	TNFRSF14	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)
8794	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain
8848	TSC22D1	TSC22 domain family, member 1
8858	PROZ	protein Z, vitamin K-dependent plasma glycoprotein
8879	SGPL1	sphingosine-1-phosphate lyase 1
90293	KLHL13	kelch-like 13 (Drosophila)
91107	TRIM47	tripartite motif-containing 47
9146	HGS	hepatocyte growth factor-regulated tyrosine kinase substrate
920	CD4	CD4 molecule
9204	ZMYM6	zinc finger, MYM-type 6
928	CD9	CD9 molecule
930	CD19	CD19 molecule
93185	IGSF8	immunoglobulin superfamily, member 8
9319	TRIP13	thyroid hormone receptor interactor 13
9377	COX5A	cytochrome c oxidase subunit Va
94101	ORMDL1	ORM1-like 1 (<i>S. cerevisiae</i>)
959	CD40LG	CD40 ligand
9601	PDIA4	protein disulfide isomerase family A, member 4
9641	IKBKE	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
9667	SAFB2	scaffold attachment factor B2
967	CD63	CD63 molecule
977	CD151	CD151 molecule (Raph blood group)
9804	TOMM20	translocase of outer mitochondrial membrane 20 homolog (yeast)
9852	EPM2AIP1	EPM2A (laforin) interacting protein 1