

Supplementary Table The ferroptosis-related genes (FRGs) from an authoritative public database

	Symbol	Name	UniProtKB
Driver	RPL8	Ribosomal protein L8	P62917 (RL8_HUMAN)
	IREB2	Iron response element binding protein 2	P48200 (IREB2_HUMAN)
	ATP5MC3	ATP synthase membrane subunit c locus 3	P48201 (AT5G3_HUMAN)
	CS	Citrate synthase	O75390 (CISY_HUMAN)
	EMC2	ER membrane protein complex subunit 2	Q15006 (EMC2_HUMAN)
	ACSF2	Acyl-CoA synthetase family member 2	Q96CM8 (ACSF2_HUMAN)
	NOX1	Nicotinamide adenine dinucleotide phosphate (NADPH) oxidase (NOX) 1	Q9Y5S8 (NOX1_HUMAN)
	CYBB	Cytochrome b-245 beta chain	P04839 (CY24B_HUMAN)
	NOX3	Nicotinamide adenine dinucleotide phosphate (NADPH) oxidase (NOX) 3	Q9HBY0 (NOX3_HUMAN)
	NOX4	Nicotinamide adenine dinucleotide phosphate (NADPH) oxidase (NOX) 4	Q9NPH5 (NOX4_HUMAN)
	NOX5	Nicotinamide adenine dinucleotide phosphate (NADPH) oxidase (NOX) 5	Q96PH1 (NOX5_HUMAN)
	DUOX1	Dual oxidase 1	Q9NRD9 (DUOX1_HUMAN)
	DUOX2	Dual oxidase 2	Q9NRD8 (DUOX2_HUMAN)
	G6PD	Glucose-6-phosphate dehydrogenase	P11413 (G6PD_HUMAN)
	PGD	Phosphoglycerate dehydrogenase	P52209 (6PGD_HUMAN)
	VDAC2	Voltage-dependent anion channels 2	P45880 (VDAC2_HUMAN)
	PIK3CA	Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha	P42336 (PK3CA_HUMAN)
	FLT3	Fms related tyrosine kinase 3	P36888 (FLT3_HUMAN)
	SCP2	Sterol carrier protein 2	P22307 (NLTP_HUMAN)
	TP53	Tumor protein p53	P04637 (P53_HUMAN)
	ACSL4	Acyl-CoA synthetase long chain family member 4	O60488 (ACSL4_HUMAN)
	LPCAT3	Lysophosphatidylcholine acyltransferase 3	Q6P1A2 (MBOA5_HUMAN)
	NRAS	NRAS proto-oncogene, GTPase	P01111 (RASN_HUMAN)
	KRAS	KRAS proto-oncogene, GTPase	P01116 (RASK_HUMAN)
	HRAS	HRas proto-oncogene, GTPase	P01112 (RASH_HUMAN)
	TF	Transferrin	P02787 (TRFE_HUMAN)
	TFRC	Transferrin receptor	P02786 (TFR1_HUMAN)
	TFR2	Transferrin receptor 2	Q9UP52 (TFR2_HUMAN)
	SLC38A1	Solute carrier family 38 member 1	Q9H2H9 (S38A1_HUMAN)
	SLC1A5	Solute carrier family 1 member 5	Q15758 (AAAT_HUMAN)
	GLS2	Glutaminase 2	Q9UI32 (GLSL_HUMAN)
	GOT1	Glutamic-oxaloacetic transaminase 1	P17174 (AATC_HUMAN)
	CARS1	CysteinyI-tRNA synthetase 1	P49589 (SYCC_HUMAN)
	TP53	Tumor protein p53	P04637 (P53_HUMAN)
	ALOX5	Arachidonate 5-lipoxygenase	P09917 (LOX5_HUMAN)
	KEAP1	Kelch like ECH associated protein 1	Q14145 (KEAP1_HUMAN)
	HMOX1	Heme oxygenase 1	P09601 (HMOX1_HUMAN)
	TP53	Tumor protein p53	P04637 (P53_HUMAN)
	TP53	Tumor protein p53	P04637 (P53_HUMAN)
	GLS2	Glutaminase 2	Q9UI32 (GLSL_HUMAN)
ATG5	Autophagy related 5	Q9H1Y0 (ATG5_HUMAN)	

ATG7	Autophagy related 7	O95352 (ATG7_HUMAN)
NCOA4	Nuclear receptor coactivator 4	Q13772 (NCOA4_HUMAN)
TF	Transferrin	P02787 (TRFE_HUMAN)
ALOX5	Arachidonate 5-lipoxygenase	P09917 (LOX5_HUMAN)
ALOX12	Arachidonate 12-lipoxygenase, 12S type	P18054 (LOX12_HUMAN)
ALOX12B	Arachidonate 12-lipoxygenase, 12R type	O75342 (LX12B_HUMAN)
ALOX15	Arachidonate 15-lipoxygenase	P16050 (LOX15_HUMAN)
ALOX15B	Arachidonate 15-lipoxygenase type B	O15296 (LX15B_HUMAN)
ALOXE3	Arachidonate lipoxygenase 3	Q9BYJ1 (LOXE3_HUMAN)
PHKG2	Phosphorylase kinase catalytic subunit gamma 2	P15735 (PHKG2_HUMAN)
TFRC	Transferrin receptor	P02786 (TFR1_HUMAN)
ACO1	Aconitase 1	P21399 (ACOC_HUMAN)
IREB2	iron responsive element binding protein 2	P48200 (IREB2_HUMAN)
SLC38A1	Solute carrier family 38 member 1	Q9H2H9 (S38A1_HUMAN)
GLS2	Glutaminase 2	Q9UI32 (GLSL_HUMAN)
G6PDX	_NA_	_NA_
ULK1	Unc-51 like autophagy activating kinase 1	O75385 (ULK1_HUMAN)
ATG3	Autophagy related 3	Q9NT62 (ATG3_HUMAN)
ATG4D	Autophagy related 4D cysteine peptidase	Q86TL0 (ATG4D_HUMAN)
ATG5	Autophagy related 5	Q9H1Y0 (ATG5_HUMAN)
BECN1	Beclin 1	Q14457 (BECN1_HUMAN)
MAP1LC3A	Microtubule associated protein 1 light chain 3 alpha	Q9H492 (MLP3A_HUMAN)
GABARAPL2	GABA type A receptor associated protein like 2	P60520 (GBRL2_HUMAN)
GABARAPL1	GABA type A receptor associated protein like 1	Q9H0R8 (GBRL1_HUMAN)
ATG16L1	Autophagy related 16 like 1	Q676U5 (A16L1_HUMAN)
WIPI1	WD repeat domain, phosphoinositide interacting 1	Q5MNZ9 (WIPI1_HUMAN)
WIPI2	WD repeat domain, phosphoinositide interacting 2	Q9Y4P8 (WIPI2_HUMAN)
SNX4	Sorting nexin 4	O95219 (SNX4_HUMAN)
ATG13	Autophagy related 13	O75143 (ATG13_HUMAN)
ULK2	Unc-51 like autophagy activating kinase 2	Q81YT8 (ULK2_HUMAN)
NCOA4	Nuclear receptor coactivator 4	Q13772 (NCOA4_HUMAN)
ACSL4	Acyl-CoA synthetase long chain family member 4	O60488 (ACSL4_HUMAN)
TP53	Tumor protein p53	P04637 (P53_HUMAN)
SAT1	Spermidine/spermine N1-acetyltransferase 1	P21673 (SAT1_HUMAN)
ALOX15	Arachidonate 15-lipoxygenase	P16050 (LOX15_HUMAN)
ACSL4	Acyl-CoA synthetase long chain family member 4	O60488 (ACSL4_HUMAN)
LPCAT3	Lysophosphatidylcholine acyltransferase 3	Q6P1A2 (MBOA5_HUMAN)
ALOX15	Arachidonate 15-lipoxygenase	P16050 (LOX15_HUMAN)
ACSL4	Acyl-CoA synthetase long chain family member 4	O60488 (ACSL4_HUMAN)
KEAP1	Kelch like ECH associated protein 1	Q14145 (KEAP1_HUMAN)
EGFR	Epidermal growth factor receptor	P00533 (EGFR_HUMAN)
NOX4	NADPH oxidase 4	Q9NPH5 (NOX4_HUMAN)
MAPK3	Mitogen-activated protein kinase 3	P27361 (MK03_HUMAN)

MAPK1	Mitogen-activated protein kinase 1	P28482 (MK01_HUMAN)
BID	BH3 interacting domain death agonist	P55957 (BID_HUMAN)
ACSL4	Acyl-CoA synthetase long chain family member 4	O60488 (ACSL4_HUMAN)
ZEB1	Zinc finger E-box binding homeobox 1	P37275 (ZEB1_HUMAN)
KEAP1	Kelch like ECH associated protein 1	Q14145 (KEAP1_HUMAN)
DPP4	Dipeptidyl peptidase 4	P27487 (DPP4_HUMAN)
ALOX15	Arachidonate 15-lipoxygenase	P16050 (LOX15_HUMAN)
ALOX12	Arachidonate 12-lipoxygenase, 12S type	P18054 (LOX12_HUMAN)
CDKN2A	Cyclin dependent kinase inhibitor 2A	P42771 (CDN2A_HUMAN)
PEBP1	Phosphatidylethanolamine binding protein 1	P30086 (PEBP1_HUMAN)
SOCS1	Suppressor of cytokine signaling 1	O15524 (SOCS1_HUMAN)
CDO1	Cysteine dioxygenase type 1	Q16878 (CDO1_HUMAN)
MYB	MYB proto-oncogene, transcription factor	P10242 (MYB_HUMAN)
HMOX1	Heme oxygenase 1	P09601 (HMOX1_HUMAN)
MAPK8	Mitogen-activated protein kinase 8	P45983 (MK08_HUMAN)
MAPK9	Mitogen-activated protein kinase 9	P45984 (MK09_HUMAN)
MAPK1	Mitogen-activated protein kinase 1	P28482 (MK01_HUMAN)
MAPK3	Mitogen-activated protein kinase 3	P27361 (MK03_HUMAN)
SLC1A5	Solute carrier family 1 member 5	Q15758 (AAAT_HUMAN)
CHAC1	ChaC glutathione specific gamma-glutamylcyclotransferase 1	Q9BUX1 (CHAC1_HUMAN)
MAPK14	Mitogen-activated protein kinase 14	Q16539 (MK14_HUMAN)
LINC00472	Long intergenic non-protein coding RNA 472	Q9H8W2 (CF155_HUMAN)
NOX4	NADPH oxidase 4	Q9NPH5 (NOX4_HUMAN)
GOT1	Glutamic-oxaloacetic transaminase 1	P17174 (AATC_HUMAN)
BECN1	Beclin 1	Q14457 (BECN1_HUMAN)
PRKAA2	Protein kinase AMP-activated catalytic subunit alpha 2	P54646 (AAPK2_HUMAN)
PRKAA1	Protein kinase AMP-activated catalytic subunit alpha 1	Q13131 (AAPK1_HUMAN)
ELAVL1	ELAV like RNA binding protein 1	Q15717 (ELAV1_HUMAN)
BAP1	BRCA1 associated protein 1	Q92560 (BAP1_HUMAN)
TP53	Tumor protein p53	P04637 (P53_HUMAN)
ABCC1	ATP binding cassette subfamily C member 1	P33527 (MRP1_HUMAN)
ACSL4	Acyl-CoA synthetase long chain family member 4	O60488 (ACSL4_HUMAN)
MIR6852	microRNA 6852	_NA_
ACVR1B	Activin A receptor type 1B	P36896 (ACV1B_HUMAN)
TGFBFR1	Transforming growth factor beta receptor 1	P36897 (TGFR1_HUMAN)
BAP1	BRCA1 associated protein 1	Q92560 (BAP1_HUMAN)
EPAS1	Endothelial PAS domain protein 1	Q99814 (EPAS1_HUMAN)
HILPDA	Hypoxia inducible lipid droplet associated	Q9Y5L2 (HLPDA_HUMAN)
HIF1A	Hypoxia inducible factor 1 subunit alpha	Q16665 (HIF1A_HUMAN)
ALOX12	Arachidonate 12-lipoxygenase, 12S type	P18054 (LOX12_HUMAN)
ACSL4	Acyl-CoA synthetase long chain family member 4	O60488 (ACSL4_HUMAN)
HMOX1	Heme oxygenase 1	P09601 (HMOX1_HUMAN)
IFNG	Interferon gamma	P01579 (IFNG_HUMAN)

	ANO6	Anoctamin 6	Q4KMQ2 (ANO6_HUMAN)
	LPIN1	Lipin 1	Q14693 (LPIN1_HUMAN)
	HMGB1	High mobility group box 1	P09429 (HMGB1_HUMAN)
	TNFAIP3	TNF alpha induced protein 3	P21580 (TNAP3_HUMAN)
	TLR4	Toll like receptor 4	O00206 (TLR4_HUMAN)
	NOX4	NADPH oxidase 4	Q9NPH5 (NOX4_HUMAN)
	ATF3	Activating transcription factor 3	P18847 (ATF3_HUMAN)
	ATM	ATM serine/threonine kinase	Q13315 (ATM_HUMAN)
	YY1AP1	YY1 associated protein 1	Q9H869 (YY1AP1_HUMAN)
	EGLN2	Egl-9 family hypoxia inducible factor 2	Q96KS0 (EGLN2_HUMAN)
	MIOX	Myo-inositol oxygenase	Q9UGB7 (MIOX_HUMAN)
	TAZ	Tafazzin	Q16635 (TAZ_HUMAN)
	MTDH	Metadherin	Q86UE4 (LYRIC_HUMAN)
	IDH1	Isocitrate dehydrogenase (NADP(+)) 1	O75874 (IDHC_HUMAN)
	SIRT1	Sirtuin 1	Q96EB6 (SIR1_HUMAN)
	TAZ	Tafazzin	Q16635 (TAZ_HUMAN)
	BECN1	Beclin 1	Q14457 (BECN1_HUMAN)
	FBXW7	F-box and WD repeat domain containing 7	Q969H0 (FBXW7_HUMAN)
	PANX1	Pannexin 1	Q96RD7 (PANX1_HUMAN)
	DNAJB6	DnaJ heat shock protein family (Hsp40) member B6	O75190 (DNJB6_HUMAN)
	BACH1	BTB domain and CNC homolog 1	O14867 (BACH1_HUMAN)
	ACSL4	Acyl-CoA synthetase long chain family member 4	O60488 (ACSL4_HUMAN)
	LONP1	Lon peptidase 1, mitochondrial	P36776 (LONM_HUMAN)
Suppressor	SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
	GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
	AKR1C1	Aldo-keto reductase family 1 member C1	Q04828 (AK1C1_HUMAN)
	AKR1C2	Aldo-keto reductase family 1 member C2	P52895 (AK1C2_HUMAN)
	AKR1C3	Aldo-keto reductase family 1 member C3	P42330 (AK1C3_HUMAN)
	GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
	RB1	RB transcriptional corepressor 1	P06400 (RB_HUMAN)
	HSPB1	Heat shock protein family B (small) member 1	P04792 (HSPB1_HUMAN)
	HSF1	Heat shock transcription factor 1	Q00613 (HSF1_HUMAN)
	SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
	GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
	GCLC	Glutamate-cysteine ligase catalytic subunit	P48506 (GSH1_HUMAN)
	SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
	NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NF2L2_HUMAN)
	SQSTM1	Sequestosome 1	Q13501 (SQSTM_HUMAN)
	NQO1	NAD(P)H quinone dehydrogenase 1	P15559 (NQO1_HUMAN)
	HMOX1	Heme oxygenase 1	P09601 (HMOX1_HUMAN)
	FTH1	Ferritin heavy chain 1	P02794 (FRIH_HUMAN)
	MUC1	Mucin 1, cell surface associated	P15941 (MUC1_HUMAN)
	SLC3A2	Solute carrier family 3 member 2	P08195 (4F2_HUMAN)

MT1G	Metallothionein 1G	P13640 (MT1G_HUMAN)
NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NF2L2_HUMAN)
SLC40A1	Solute carrier family 40 member 1	Q9NP59 (S40A1_HUMAN)
SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
CISD1	CDGSH iron sulfur domain 1	Q9NZ45 (CISD1_HUMAN)
SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
FANCD2	FA complementation group D2	Q9BXW9 (FACD2_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NF2L2_HUMAN)
FTMT	Ferritin mitochondrial	Q8N4E7 (FTMT_HUMAN)
HSPA5	Heat shock protein family A (Hsp70) member 5	P11021 (BIP_HUMAN)
ATF4	Activating transcription factor 4	P18848 (ATF4_HUMAN)
SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
HMOX1	Heme oxygenase 1	P09601 (HMOX1_HUMAN)
ATF4	Activating transcription factor 4	P18848 (ATF4_HUMAN)
NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NF2L2_HUMAN)
TP53	Tumor protein p53	P04637 (P53_HUMAN)
SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
HELLS	Helicase, lymphoid specific	Q9NRZ9 (HELLS_HUMAN)
SCD	Stearoyl-CoA desaturase	O00767 (ACOD_HUMAN)
FADS2	Fatty acid desaturase 2	O95864 (FADS2_HUMAN)
SRC	SRC proto-oncogene, non-receptor tyrosine kinase	P12931 (SRC_HUMAN)
STAT3	Signal transducer and activator of transcription 3	P40763 (STAT3_HUMAN)
NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NF2L2_HUMAN)
PML	Promyelocytic leukemia	P29590 (PML_HUMAN)
MTOR	Mechanistic target of rapamycin kinase	P42345 (MTOR_HUMAN)
NFS1	NFS1 cysteine desulfurase	Q9Y697 (NFS1_HUMAN)
TP63	Tumor protein p63	Q9H3D4 (P63_HUMAN)
SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
TP53	Tumor protein p53	P04637 (P53_HUMAN)
CDKN1A	Cyclin dependent kinase inhibitor 1A	P38936 (CDN1A_HUMAN)
MIR137	microRNA 137	_NA_
SLC40A1	Solute carrier family 40 member 1	Q9NP59 (S40A1_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
ENPP2	Ectonucleotide pyrophosphatase/phosphodiesterase 2	Q13822 (ENPP2_HUMAN)
VDAC2	Voltage dependent anion channel 2	P45880 (VDAC2_HUMAN)
FH	Fumarate hydratase	P07954 (FUMH_HUMAN)
CISD2	CDGSH iron sulfur domain 2	Q8N5K1 (CISD2_HUMAN)

SLC40A1	Solute carrier family 40 member 1	Q9NP59 (S40A1_HUMAN)
MIR9-1	microRNA 9-1	_NA_
MIR9-2	microRNA 9-2	_NA_
MIR9-3	microRNA 9-3	_NA_
CBS	Cystathionine beta-synthase	P35520 (CBS_HUMAN)
NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NFE2L2_HUMAN)
SQSTM1	Sequestosome 1	Q13501 (SQSTM_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
ISCU	Iron-sulfur cluster assembly enzyme	Q9HIK1 (ISCU_HUMAN)
FTH1	Ferritin heavy chain 1	P02794 (FTH1_HUMAN)
ACSL3	Acyl-CoA synthetase long chain family member 3	O95573 (ACSL3_HUMAN)
OTUB1	OTU deubiquitinase, ubiquitin aldehyde binding 1	Q96FW1 (OTUB1_HUMAN)
CD44	CD44 molecule (Indian blood group)	P16070 (CD44_HUMAN)
LINC00336	Long intergenic non-protein coding RNA 336	Q6ZUF6 (NC336_HUMAN)
STAT3	Signal transducer and activator of transcription 3	P40763 (STAT3_HUMAN)
BRD4	Bromodomain containing 4	O60885 (BRD4_HUMAN)
PRDX6	Peroxiredoxin 6	P30041 (PRDX6_HUMAN)
MIR17	microRNA 17	_NA_
SCD	Stearoyl-CoA desaturase	O00767 (ACOD_HUMAN)
SESN2	Sestrin 2	P58004 (SESN2_HUMAN)
NF2	Neurofibromin 2	P35240 (MERL_HUMAN)
ARNTL	Aryl hydrocarbon receptor nuclear translocator like	O00327 (BMAL1_HUMAN)
HIF1A	Hypoxia inducible factor 1 subunit alpha	Q16665 (HIF1A_HUMAN)
JUN	Jun proto-oncogene, AP-1 transcription factor subunit	P05412 (JUN_HUMAN)
CA9	Carbonic anhydrase 9	Q16790 (CAH9_HUMAN)
HSPA5	Heat shock protein family A (Hsp70) member 5	P11021 (BIP_HUMAN)
TMBIM4	Transmembrane BAX inhibitor motif containing 4	Q9HC24 (LFG4_HUMAN)
HSPA5	Heat shock protein family A (Hsp70) member 5	P11021 (BIP_HUMAN)
PLIN2	Perilipin 2	Q99541 (PLIN2_HUMAN)
MIR212	microRNA 212	_NA_
Fer1HCH	Ferritin 1 Heavy Chain Homolog	H1UUD2 (H1UUD2_DROME)
AIFM2	Apoptosis inducing factor mitochondria associated 2	Q9BRQ8 (AIFM2_HUMAN)
AIFM2	Apoptosis inducing factor mitochondria associated 2	Q9BRQ8 (AIFM2_HUMAN)
LAMP2	Lysosomal associated membrane protein 2	P13473 (LAMP2_HUMAN)
ZFP36	ZFP36 ring finger protein	P26651 (TTP_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
PROM2	Prominin 2	Q8N271 (PROM2_HUMAN)
CHMP5	Charged multivesicular body protein 5	Q9NZZ3 (CHMP5_HUMAN)
CHMP6	Charged multivesicular body protein 6	Q96FZ7 (CHMP6_HUMAN)
AKR1C1	Aldo-keto reductase family 1 member C1	Q04828 (AK1C1_HUMAN)
AKR1C2	Aldo-keto reductase family 1 member C2	P52895 (AK1C2_HUMAN)
AKR1C3	Aldo-keto reductase family 1 member C3	P42330 (AK1C3_HUMAN)
CBS	Cystathionine beta-synthase	P35520 (CBS_HUMAN)

	NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NFE2L2_HUMAN)
	CAV1	Caveolin 1	Q03135 (CAV1_HUMAN)
	GCH1	GTP cyclohydrolase 1	P30793 (GCH1_HUMAN)
Markers	PTGS2	Prostaglandin-endoperoxide synthase 2	P35354 (PGH2_HUMAN)
	DUSP1	Dual specificity phosphatase 1	P28562 (DUS1_HUMAN)
	NOS2	Nitric oxide synthase 2	P35228 (NOS2_HUMAN)
	NCF2	Neutrophil cytosolic factor 2	P19878 (NCF2_HUMAN)
	MT3	Metallothionein 3	P25713 (MT3_HUMAN)
	UBC	Ubiquitin C	P0CG48 (UBC_HUMAN)
	ALB	Albumin	P02768 (ALBU_HUMAN)
	TXNRD1	Thioredoxin reductase 1	Q16881 (TRXR1_HUMAN)
	SRXN1	Sulfiredoxin 1	Q9BYN0 (SRXN1_HUMAN)
	GPX2	Glutathione peroxidase 2	P18283 (GPX2_HUMAN)
	BNIP3	BCL2 interacting protein 3	Q12983 (BNIP3_HUMAN)
	OXSRI	Oxidative stress responsive kinase 1	O95747 (OXSRI_HUMAN)
	SELENOS	Selenoprotein S	Q9BQE4 (SELS_HUMAN)
	ANGPTL7	Angiopoietin like 7	O43827 (ANGL7_HUMAN)
	CHAC1	ChaC glutathione specific gamma-glutamylcyclotransferase 1	Q9BUX1 (CHAC1_HUMAN)
	SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
	DDIT4	DNA damage inducible transcript 4	Q9NX09 (DDIT4_HUMAN)
	LOC284561	_NA_	_NA_
	ASNS	Asparagine synthetase (glutamine-hydrolyzing)	P08243 (ASNS_HUMAN)
	TSC22D3	TSC22 domain family member 3	Q99576 (T22D3_HUMAN)
	DDIT3	DNA damage inducible transcript 3	P0DPQ6 (DT3UO_HUMAN)
	JDP2	Jun dimerization protein 2	Q8WYK2 (JDP2_HUMAN)
	SESN2	Sestrin 2	P58004 (SESN2_HUMAN)
	SLC1A4	Solute carrier family 1 member 4	P43007 (SATT_HUMAN)
	PCK2	Phosphoenolpyruvate carboxykinase 2, mitochondrial	Q16822 (PCKGM_HUMAN)
	TXNIP	Thioredoxin interacting protein	Q9H3M7 (TXNIP_HUMAN)
	VLDLR	Very low density lipoprotein receptor	P98155 (VLDLR_HUMAN)
	GPT2	Glutamic--pyruvic transaminase 2	Q8TD30 (ALAT2_HUMAN)
	PSAT1	Phosphoserine aminotransferase 1	Q9Y617 (SERC_HUMAN)
	LURAP1L	Leucine rich adaptor protein 1 like	Q8IV03 (LUR1L_HUMAN)
	SLC7A5	Solute carrier family 7 member 5	Q01650 (LAT1_HUMAN)
	HERPUD1	Homocysteine inducible ER protein with ubiquitin like domain 1	Q15011 (HERP1_HUMAN)
	XBP1	X-box binding protein 1	P17861 (XBP1_HUMAN)
	ATF3	Activating transcription factor 3	P18847 (ATF3_HUMAN)
	SLC3A2	Solute carrier family 3 member 2	P08195 (4F2_HUMAN)
	CBS	Cystathionine beta-synthase	P35520 (CBS_HUMAN)
ATF4	Activating transcription factor 4	P18848 (ATF4_HUMAN)	
ZNF419	Zinc finger protein 419	Q96HQ0 (ZN419_HUMAN)	
KLHL24	Kelch like family member 24	Q6TFL4 (KLHL24_HUMAN)	
TRIB3	Tribbles pseudokinase 3	Q96RU7 (TRIB3_HUMAN)	

ZFP69B	ZFP69 zinc finger protein B	Q9UJL9 (ZFP69B_HUMAN)
ATP6V1G2	ATPase H ⁺ transporting V1 subunit G2	O95670 (VATG2_HUMAN)
VEGFA	Vascular endothelial growth factor A	P15692 (VEGFA_HUMAN)
GDF15	Growth differentiation factor 15	Q99988 (GDF15_HUMAN)
TUBE1	Tubulin epsilon 1	Q9UJT0 (TBE_HUMAN)
ARRDC3	Arrestin domain containing 3	Q96B67 (ARRD3_HUMAN)
CEBPG	CCAAT enhancer binding protein gamma	P53567 (CEBPG_HUMAN)
SNORA16A	Small nucleolar RNA, H/ACA box 16A	_NA_
RGS4	Regulator of G protein signaling 4	P49798 (RGS4_HUMAN)
BLOC1S5-TXNDC5	BLOC1S5-TXNDC5 readthrough (NMD candidate)	_NA_
LOC390705	_NA_	_NA_
EIF2S1	Eukaryotic translation initiation factor 2 subunit 1	P05198 (IF2A_HUMAN)
KIM-1	Kidney injury molecule-1	_NA_
IL6	Interleukin 6	P05231 (IL6_HUMAN)
CXCL2	C-X-C motif chemokine ligand 2	P19875 (CXCL2_HUMAN)
RELA	RELA proto-oncogene, NF-kB subunit	Q04206 (TF65_HUMAN)
HSD17B11	Hydroxysteroid 17-beta dehydrogenase 11	Q8NBQ5 (DHB11_HUMAN)
AGPAT3	1-acylglycerol-3-phosphate O-acyltransferase 3	Q9NRZ7 (PLCC_HUMAN)
SETD1B	SET domain containing 1B, histone lysine methyltransferase	Q9UPS6 (SET1B_HUMAN)
HMOX1	Heme oxygenase 1	P09601 (HMOX1_HUMAN)
TF	Transferrin	P02787 (TRFE_HUMAN)
FTL	Ferritin light chain	P02792 (FRIL_HUMAN)
RPL8	Ribosomal protein L8	P62917 (RL8_HUMAN)
ATP5MC3	ATP synthase membrane subunit c locus 3	P48201 (AT5G3_HUMAN)
TFRC	Transferrin receptor	P02786 (TFR1_HUMAN)
MAFG	MAF bZIP transcription factor G	O15525 (MAFG_HUMAN)
IL33	Interleukin 33	O95760 (IL33_HUMAN)
FTH1	Ferritin heavy chain 1	P02794 (FRIH_HUMAN)
SLC40A1	Solute carrier family 40 member 1	Q9NP59 (S40A1_HUMAN)
TF	Transferrin	P02787 (TRFE_HUMAN)
TFRC	Transferrin receptor	P02786 (TFR1_HUMAN)
FTH1	Ferritin heavy chain 1	P02794 (FRIH_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
HAMP	Hepcidin antimicrobial peptide	P81172 (HEPC_HUMAN)
HSPB1	Heat shock protein family B (small) member 1	P04792 (HSPB1_HUMAN)
NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NF2L2_HUMAN)
STEAP3	STEAP3 metalloreductase	Q658P3 (STEA3_HUMAN)
DRD5	Dopamine receptor D5	P21918 (DRD5_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
DRD4	Dopamine receptor D4	P21917 (DRD4_HUMAN)
MAP3K5	Mitogen-activated protein kinase kinase kinase 5	Q99683 (M3K5_HUMAN)
MAPK14	Mitogen-activated protein kinase 14	Q16539 (MK14_HUMAN)
SLC2A1	Solute carrier family 2 member 1	P11166 (GTRI_HUMAN)

SLC2A3	Solute carrier family 2 member 3	P11169 (GTR3_HUMAN)
SLC2A6	Solute carrier family 2 member 6	Q9UGQ3 (GTR6_HUMAN)
SLC2A8	Solute carrier family 2 member 8	Q9NY64 (GTR8_HUMAN)
SLC2A12	Solute carrier family 2 member 12	Q8TD20 (GTR12_HUMAN)
GLUT13	_NA_	_NA_
SLC2A14	Solute carrier family 2 member 14	Q8TDB8 (GTR14_HUMAN)
EIF2AK4	Eukaryotic translation initiation factor 2 alpha kinase 4	Q9P2K8 (E2AK4_HUMAN)
EIF2S1	Eukaryotic translation initiation factor 2 subunit alpha	P05198 (IF2A_HUMAN)
ATF4	Activating transcription factor 4	P18848 (ATF4_HUMAN)
ALOX5	Arachidonate 5-lipoxygenase	P09917 (LOX5_HUMAN)
ALOX12	Arachidonate 12-lipoxygenase, 12S type	P18054 (LOX12_HUMAN)
ALOX15	Arachidonate 15-lipoxygenase	P16050 (LOX15_HUMAN)
ALOX5	Arachidonate 5-lipoxygenase	P09917 (LOX5_HUMAN)
ACSF2	Acyl-CoA synthetase family member 2	Q96CM8 (ACSF2_HUMAN)
IREB2	Iron responsive element binding protein 2	P48200 (IREB2_HUMAN)
GPX4	Glutathione peroxidase 4	P36969 (GPX4_HUMAN)
HMGB1	High mobility group box 1	P09429 (HMGB1_HUMAN)
HMOX1	Heme oxygenase 1	P09601 (HMOX1_HUMAN)
NFE2L2	Nuclear factor, erythroid 2 like 2	Q16236 (NF2L2_HUMAN)
ELAVL1	ELAV like RNA binding protein 1	Q15717 (ELAV1_HUMAN)
SLC3A2	Solute carrier family 3 member 2	P08195 (4F2_HUMAN)
SLC7A11	Solute carrier family 7 member 11	Q9UPY5 (XCT_HUMAN)
TFAP2C	Transcription factor AP-2 gamma	Q92754 (AP2C_HUMAN)
SP1	Sp1 transcription factor	P08047 (SP1_HUMAN)
HBA1	Hemoglobin subunit alpha 1	P69905 (HBA_HUMAN)
NNMT	Nicotinamide N-methyltransferase	P40261 (NNMT_HUMAN)
PLIN4	Perilipin 4	Q96Q06 (PLIN4_HUMAN)
HIC1	HIC ZBTB transcriptional repressor 1	Q14526 (HIC1_HUMAN)
STMN1	Stathmin 1	P16949 (STMN1_HUMAN)
RRM2	Ribonucleotide reductase regulatory subunit M2	P31350 (RIR2_HUMAN)
CAPG	Capping actin protein, gelsolin like	P40121 (CAPG_HUMAN)
HNF4A	Hepatocyte nuclear factor 4 alpha	P41235 (HNF4A_HUMAN)
NGB	Neuroglobin	Q9NPG2 (NGB_HUMAN)
YWHAE	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon	P62258 (1433E_HUMAN)
GABPB1	GA binding protein transcription factor subunit beta 1	Q06547 (GABP1_HUMAN)
AURKA	Aurora kinase A	O14965 (AURKA_HUMAN)
MIR4715	microRNA 4715	_NA_
RIPK1	Receptor interacting serine/threonine kinase 1	Q13546 (RIPK1_HUMAN)
PRDX1	Peroxiredoxin 1	Q06830 (PRDX1_HUMAN)
MIR30B	microRNA 30b	_NA_