

Table S2. Sixty-two ferroptosis-related genes were retrieved from the previous literature.

Gene	Description	Category
ABCC1	ATP Binding Cassette Subfamily C Member 1	Protein Coding
ACACA	Acetyl-CoA Carboxylase Alpha	Protein Coding
ACO1	Aconitase 1	Protein Coding
ACSF2	Acyl-CoA Synthetase Family Member 2	Protein Coding
ACSL3	Acyl-CoA Synthetase Long Chain Family Member 3	Protein Coding
ACSL4	Acyl-CoA Synthetase Long Chain Family Member 4	Protein Coding
AIFM2	Apoptosis Inducing Factor Mitochondria Associated 2	Protein Coding
AKR1C1	Aldo-Keto Reductase Family 1 Member C1	Protein Coding
AKR1C2	Aldo-Keto Reductase Family 1 Member C2	Protein Coding
AKR1C3	Aldo-Keto Reductase Family 1 Member C3	Protein Coding
ALOX12	Arachidonate 12-Lipoxygenase, 12S Type	Protein Coding
ALOX12B	Arachidonate 12-Lipoxygenase, 12R Type	Protein Coding
ALOX15	Arachidonate 15-Lipoxygenase	Protein Coding
ALOX5	Arachidonate 5-Lipoxygenase	Protein Coding
ALOX5AP	Arachidonate 5-Lipoxygenase Activating Protein	Protein Coding
ATP5G3	ATP Synthase Membrane Subunit C Locus 3	Protein Coding
CARS	Cysteinyl-TRNA Synthetase 1	Protein Coding
CBS	Cystathionine Beta-Synthase	Protein Coding
CD44	CD44 Molecule (Indian Blood Group)	Protein Coding
CHAC1	ChaC Glutathione Specific Gamma-Glutamylcyclotransferase 1	Protein Coding
CISD1	CDGSH Iron Sulfur Domain 1	Protein Coding
CRYAB	Crystallin Alpha B	Protein Coding
CS	Citrate Synthase	Protein Coding
DPP4	Dipeptidyl Peptidase 4	Protein Coding
EMC2	ER Membrane Protein Complex Subunit 2	Protein Coding
FADS2	Fatty Acid Desaturase 2	Protein Coding
FANCD2	FA Complementation Group D2	Protein Coding
FDFT1	Farnesyl-Diphosphate Farnesyltransferase 1	Protein Coding
FTH1	Ferritin Heavy Chain 1	Protein Coding
G6PD	Glucose-6-Phosphate Dehydrogenase	Protein Coding
GCLC	Glutamate-Cysteine Ligase Catalytic Subunit	Protein Coding
GCLM	Glutamate-Cysteine Ligase Modifier Subunit	Protein Coding
GLS2	Glutaminase 2	Protein Coding
GOT1	Glutamic-Oxaloacetic Transaminase 1	Protein Coding
GPX4	Glutathione Peroxidase 4	Protein Coding
GSS	Glutathione Synthetase	Protein Coding
HMGCR	3-Hydroxy-3-Methylglutaryl-CoA Reductase	Protein Coding
HMOX1	Heme Oxygenase 1	Protein Coding
HSBP1	Heat Shock Factor Binding Protein 1	Protein Coding
HSPB1	Heat Shock Protein Family B (Small) Member 1	Protein Coding
IREB2	Iron Responsive Element Binding Protein 2	Protein Coding
KEAP1	Kelch Like ECH Associated Protein 1	Protein Coding
LPCAT3	Lysophosphatidylcholine Acyltransferase 3	Protein Coding
MT1G	Metallothionein 1G	Protein Coding
NCOA4	Nuclear Receptor Coactivator 4	Protein Coding
NFE2L2	Nuclear Factor, Erythroid 2 Like 2	Protein Coding
NFS1	NFS1 Cysteine Desulfurase	Protein Coding

NOX1	NADPH Oxidase 1	Protein Coding
NQO1	NAD(P)H Quinone Dehydrogenase 1	Protein Coding
PEBP1	Phosphatidylethanolamine Binding Protein 1	Protein Coding
PGD	Phosphogluconate Dehydrogenase	Protein Coding
PHKG2	Phosphorylase Kinase Catalytic Subunit Gamma 2	Protein Coding
PTGS2	Prostaglandin-Endoperoxide Synthase 2	Protein Coding
RPL8	Ribosomal Protein L8	Protein Coding
SAT1	Spermidine/Spermine N1-Acetyltransferase 1	Protein Coding
SLC1A5	Solute Carrier Family 1 Member 5	Protein Coding
SLC7A11	Solute Carrier Family 7 Member 11	Protein Coding
SQLE	Squalene Epoxidase	Protein Coding
STEAP3	STEAP3 Metalloreductase	Protein Coding
TFRC	Transferrin Receptor	Protein Coding
TP53	Tumor Protein P53	Protein Coding
ZEB1	Zinc Finger E-Box Binding Homeobox 1	Protein Coding
