

**Supplementary**

**Table S1** A list of ferroptosis-related genes. DOFs, drivers of ferroptosis; SOFs, suppressors of ferroptosis; both, either promote or suppress ferroptosis.

DOFs	SOFs	both
RPL8	SLC7A11	VDAC2
IREB2	GPX4	TP53
ATP5MC3	AKR1C1	TFRC
CS	AKR1C2	HMOX1
EMC2	AKR1C3	ELAVL1
ACSF2	RB1	HIF1A
NOX1	HSPB1	SESN2
CYBB	HSF1	SLC3A2
NOX3	GCLC	CBS
NOX4	NFE2L2	ATF4
NOX5	SQSTM1	SLC40A1
DUOX1	NQO1	
DUOX2	FTH1	
G6PD	MUC1	
PGD	MT1G	
PIK3CA	CISD1	
FLT3	FANCD2	
SCP2	FTMT	
ACSL4	HSPA5	
LPCAT3	HELLS	
NRAS	SCD	
KRAS	FADS2	
HRAS	SRC	
TF	STAT3	
TFR2	PML	
SLC38A1	MTOR	
SLC1A5	NFS1	
GLS2	TP63	
GOT1	CDKN1A	
CARS1	MIR137	
ALOX5	ENPP2	
KEAP1	FH	
ATG5	CISD2	
ATG7	MIR9-1	

**Table S1** (continued)

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DOFs	SOFs	both
NCOA4	MIR9-2	
ALOX12	MIR9-3	
ALOX12B	ISCU	
ALOX15	ACSL3	
ALOX15B	OTUB1	
ALOXE3	CD44	
PHKG2	LINC00336	
ACO1	BRD4	
G6PDX	PRDX6	
ULK1	MIR17	
ATG3	NF2	
ATG4D	ARNTL	
BECN1	JUN	
MAP1LC3A	CA9	
GABARAPL2	TMBIM4	
GABARAPL1	PLIN2	
ATG16L1	MIR212	
WIPI1	Fer1HCH	
WIPI2	AIFM2	
SNX4	LAMP2	
ATG13	ZFP36	
ULK2	PROM2	
SAT1	CHMP5	
EGFR	CHMP6	
MAPK3	CAV1	
MAPK1	GCH1	
BID	SNORA16A	
ZEB1	RGS4	
DPP4	BLOC1S5-TXNDC5	
CDKN2A	LOC390705	
PEBP1	MAFG	
SOCS1	HAMP	
CDO1	STEAP3	
MYB	DRD4	
MAPK8	SLC2A1	

**Table S1** (continued)

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DOFs	SOFs	both
MAPK9	SLC2A3	
CHAC1	SLC2A6	
MAPK14	SLC2A8	
LINC00472	SLC2A12	
PRKAA2	GLUT13	
PRKAA1	SLC2A14	
BAP1	TFAP2C	
ABCC1	SP1	
MIR6852	STMN1	
ACVR1B	RRM2	
TGFBR1	CAPG	
EPAS1	HNF4A	
HILPDA	NGB	
IFNG	GABPB1	
ANO6	AURKA	
LPIN1		
HMGB1		
TNFAIP3		
TLR4		
ATF3		
ATM		
YY1AP1		
EGLN2		
MIOX		
TAZ		
MTDH		
IDH1		
SIRT1		
FBXW7		
PANX1		
DNAJB6		
BACH1		
LONP1		
PTGS2		
DUSP1		

**Table S1** (continued)

**Table S1** (continued)

DOFs	SOFs	both
NOS2		
NCF2		
MT3		
UBC		
ALB		
TXNRD1		
SRXN1		
GPX2		
BNIP3		
OXSRI		
SELENOS		
ANGPTL7		
DDIT4		
LOC284561		
ASNS		
TSC22D3		
DDIT3		
JDP2		
SLC1A4		
PCK2		
TXNIP		
VLDLR		
GPT2		
PSAT1		
LURAP1L		
SLC7A5		
HERPUD1		
XBP1		
ZNF419		
KLHL24		
TRIB3		
ZFP69B		
ATP6V1G2		
VEGFA		
GDF15		

**Table S1** (continued)

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DOFs	SOFs	both
TUBE1		
ARRDC3		
CEBPG		
EIF2S1		
KIM-1		
IL6		
CXCL2		
RELA		
HSD17B11		
AGPAT3		
SETD1B		
FTL		
IL33		
DRD5		
MAP3K5		
EIF2AK4		
HBA1		
NNMT		
PLIN4		
HIC1		
YWHAE		
MIR4715		
RIPK1		
PRDX1		
MIR30B		