Supplementary file

The binding potential between four candidate RBPs and the key ferroptosis genes was predicted on starBase.

RBP	GeneID	GeneName	GeneType	ClusterNum	ClipExpNum	ClipSiteNum	HepG2(log2FC)	K562(log2FC)	Pan-Cancer
U2AF2	ENSG00000167468	GPX4	protein_coding	19	7	43	NA	-0.862	14
U2AF2	ENSG00000165637	VDAC2	protein_coding	67	10	111	NA	0.389	15
U2AF2	ENSG00000078668	VDAC3	protein_coding	46	12	99	NA	NA	19
U2AF2	ENSG00000068366	ACSL4	protein_coding	208	12	317	NA	0.585	19

RBP	GeneID	GeneName	GeneType	ClusterNum	ClipExpNum	ClipSiteNum	HepG2(log2FC)	K562(log2FC)	Pan-Cancer
HNRNPA1	ENSG00000167468	GPX4	protein_coding	6	4	11	0.443	-0.222	18
HNRNPA1	ENSG00000068366	ACSL4	protein_coding	43	7	57	-1.770	-0.343	14
HNRNPA1	ENSG00000165637	VDAC2	protein_coding	15	8	22	-0.931	NA	24
HNRNPA1	ENSG00000078668	VDAC3	protein_coding	22	7	29	NA	-0.205	17

RBP	GeneID	GeneName	GeneType	ClusterNum	ClipExpNum	ClipSiteNum	HepG2(log2FC)	K562(log2FC)	Pan-Cancer
SRSF1	ENSG00000167468	GPX4	protein_coding	16	6	30	-1.190	0.405	23
SRSF1	ENSG00000068366	ACSL4	protein_coding	44	7	59	-1.291	NA	19
SRSF1	ENSG00000165637	VDAC2	protein_coding	40	7	55	-0.292	NA	14
SRSF1	ENSG00000078668	VDAC3	protein_coding	18	7	38	0.675	NA	25

RBP	GeneID	GeneName	GeneType	ClusterNum	ClipExpNum	ClipSiteNum	HepG2(log2FC)	K562(log2FC)	Pan-Cancer
IGF2BP2	ENSG00000167468	GPX4	protein_coding	14	7	34	NA	0.832	17
IGF2BP2	ENSG00000068366	ACSL4	protein_coding	109	7	173	0.419	0.236	20
IGF2BP2	ENSG00000165637	VDAC2	protein_coding	46	7	83	-0.853	NA	17
IGF2BP2	ENSG00000078668	VDAC3	protein_coding	33	8	61	-0.369	-0.282	10