Supplementary

Table S1 Characteristics of MIBC patients

Characteristics	Entire cohort	TCGA cohort	GEO cohort
Age, years (mean)	67.689	67.820	66.901
Gender			
Female	110	97	13
Male	318	270	48
T stage			
T2	164	133	31
T3	200	181	19
T4	64	53	11
N stage			
N0	291	244	47
N1	51	43	8
N2	80	74	6
N3	6	6	0
Vital			
Alive	236	208	28
Death	192	159	33

MIBC, muscle invasive bladder cancer; TCGA, The Cancer Genome Atlas dataset; GEO, Gene Expression Omnibus dataset.

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Table S2 Differential analysis of tumors and normal samples for 41 ferroptosis prognostic genes

Gene	logFC	pValue	FDR
AGPS	0.118	0.665	0.802
AIFM2	0.416	0.195	0.320
ALOX5	0.052	0.506	0.628
CAV1	-1.225	<0.001	<0.001
DECR1	0.590	0.005	0.012
EGFR	1.076	0.903	0.925
ELAVL1	0.497	<0.001	<0.001
FADS1	1.193	0.007	0.017
FADS2	1.314	0.163	0.278
FZD7	-1.776	<0.001	<0.001
G6PD	0.746	0.002	0.005
GCH1	-0.338	0.326	0.461
IFNG	1.807	0.236	0.359
ISCU	-0.357	<0.001	0.001
LAMP2	0.399	0.120	0.214
MAPK3	0.044	0.731	0.820
MDM4	0.288	0.416	0.551
NEDD4	-0.014	0.350	0.479
PGD	0.072	0.001	0.004
PLA2G6	0.407	0.232	0.359
PRDX6	0.424	0.018	0.039
SCD	2.059	0.000	<0.001
SLC16A1	0.797	0.963	0.963
SLC25A28	0.014	0.706	0.820
SLC7A11	0.879	0.769	0.820
SRC	0.905	0.001	0.002
SREBF2	-0.050	0.300	0.439
STK11	0.407	0.001	0.002
TAZ	0.619	<0.001	<0.001
TFRC	1.349	<0.001	<0.001
TGFBR1	-0.140	0.041	0.081
VDAC2	-0.352	0.002	0.005
WWTR1	-1.788	<0.001	<0.001
ZEB1	-2.554	<0.001	<0.001
ACSL5	0.283	0.456	0.585
BACH1	0.042	0.780	0.820
GCLM	0.888	0.001	0.005
NOX1	0.796	0.040	0.081
SAT2	0.172	0.766	0.820
SLC39A14	-0.780	0.060	0.112
TXNRD1	-0.866	0.007	0.017

LogFC, log2 Fold Change; FDR, False Discovery Rate.

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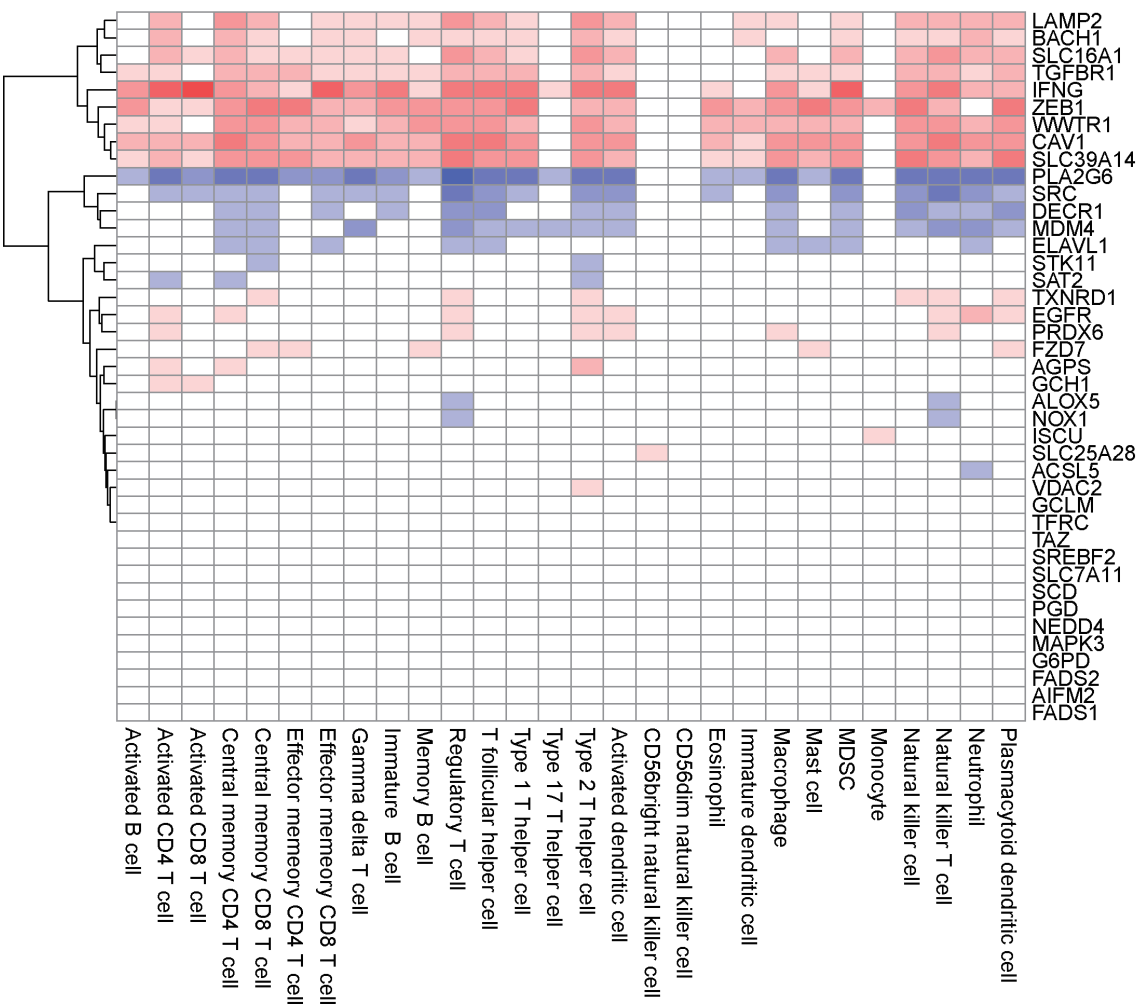

Figure S1 XXXXXX

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