

**Table S1** Difference of BRCA ferroptosis-related genes between tumor and normal tissues

Uni_cox	P value	Hazard ratio (95% CI)
DPP4	0.2386	1.08631 (0.94659, 1.24665)
NFE2L2	0.83745	1.03044 (0.77379, 1.37222)
FANCD2	0.13538	1.15497 (0.95596, 1.39539)
TFRC	0.06656	1.1505 (0.99047, 1.3364)
SLC7A11	0.02182	1.16993 (1.02309, 1.33786)
CDKN1A	0.13301	1.13805 (0.96138, 1.34719)
HSPB1	0.72113	1.02214 (0.90633, 1.15274)
FDFT1	0.22853	1.15695 (0.91255, 1.46681)
EMC2	0.00033	1.58055 (1.2309, 2.02951)
RPL8	0.40334	0.91474 (0.7422, 1.12738)
HSPA5	0.55681	1.08697 (0.82302, 1.43558)
NCOA4	0.09801	1.21397 (0.96485, 1.52741)
CISD1	0.001	1.54293 (1.19164, 1.99778)
LPCAT3	0.58466	1.05465 (0.87145, 1.27637)
CS	0.00357	1.60787 (1.16819, 2.21305)
GLS2	0.17325	1.27139 (0.89991, 1.79623)
MT1G	0.68433	1.01537 (0.9434, 1.09282)
GPX4	0.08641	0.81939 (0.65253, 1.02891)
SLC1A5	0.31477	1.1115 (0.90448, 1.36589)
SAT1	0.97104	0.99597 (0.80091, 1.23854)
ATP5MC3	0.02341	1.43425 (1.05, 1.95911)
CARS1	0.01592	1.61478 (1.09373, 2.38408)
ATL1	0.27282	0.90499 (0.75709, 1.08177)
ALOX15	0.00177	1.19034 (1.06715, 1.32776)
ACSL4	0.57768	0.95793 (0.82344, 1.11439)