

Supplementary materials:

Table S1. The sequence of qPCR primers used in this study.

Gene Name	Gene number	Forward Primer (5'-3')	Reverse Primer (5'-3')
Prx-2	TGARI_266130	AATCTCACAGGGCACTTTGGGAAG	CTCTACTAGGCGAAGCGGGTTTG
SOD	TGARI_316310	CAATGTCTGGTGGTGGTGGAGAAC	ATGCCCAACCTGAGCCAAAGTG
Catalase	TGARI_232250	CAGGGATTGAACCGAGCGAAGATC	GCCAAGTCTGTGCCGATGAGTG

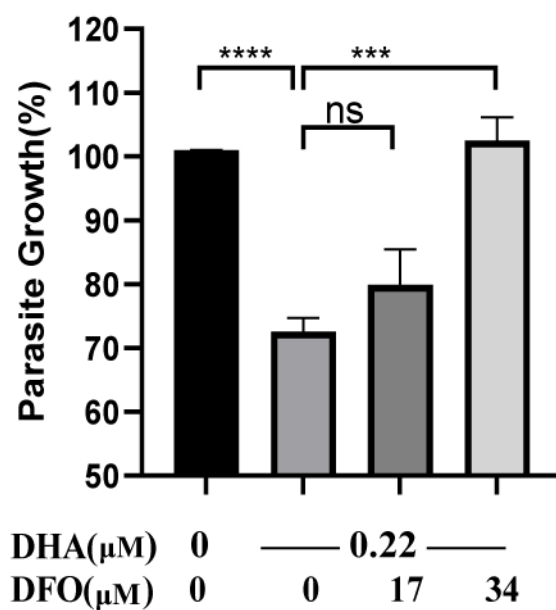


Figure S1. Ferroptosis inhibitor DFO sresces the anti-parasitic effect of DHA. Tachyzoites were pretreated of with 0.22 μ M DHA for 2h, then DHA was removed and 0 - 34 μ M DFO was added. Subsequently, the fluorescence value of TgRH Luc was measured after 22h of exposure. Statistical analysis used Student's t test (*, $P < 0.05$, ***, $P < 0.001$, ****, and $P < 0.0001$). Experiments were performed in triplicate.

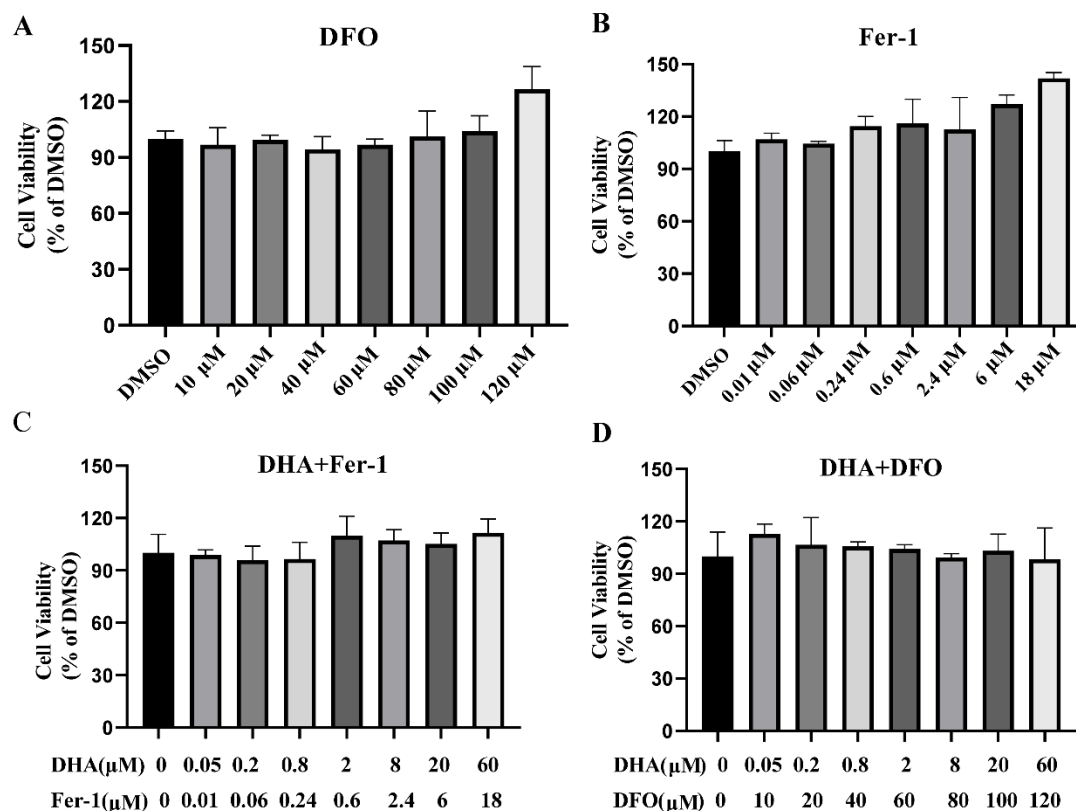


Figure S2. Cytotoxicity of DFO and Fer-1 on Vero cells. Cytotoxicity of 10-120 μ M DFO (A), 0.01-18 μ M Fer-1(B), 0.01-18 μ M Fer-1 supplemented with 0.05-60 μ M DHA (C), and 10-120 μ M DFO supplemented with 0.05-60 μ M DHA (D) on Vero cells was measured using CCK-8 reagent respectively. DMSO was set as a control. Cell Viability rate = OD RSL3/OD DMSO. This experiment was performed in triplicate.