

Figure S1. Cell death kinetics of *Chlamydomonas* cells subjected to RSL3 and heat (50 °C) treatment with or without ferroptosis inhibitors. The data are represented as mean \pm SD (n=3).

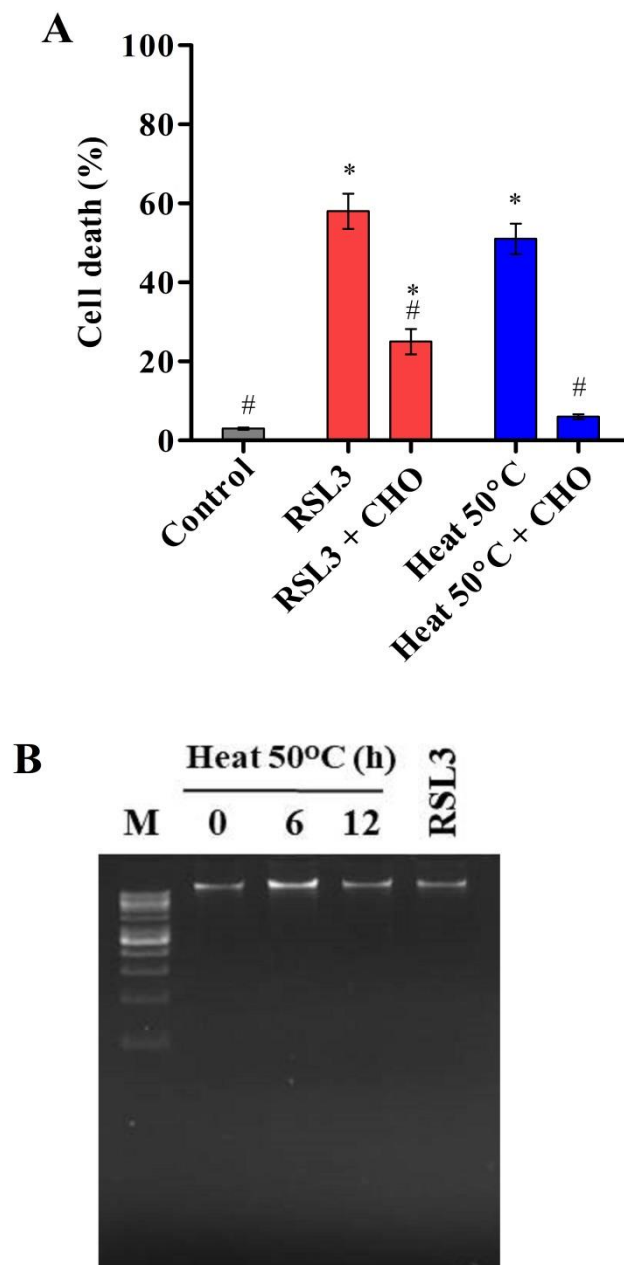


Figure S2. The effect of heat shock and RSL3 treatment on caspase-like activity (A) and DNA fragmentation (B) in *Chlamydomonas* cells. 10kb DNA marker (M) was used. The data are represented as mean \pm SD (n=3). * indicates significant differences with respect to untreated control. # indicates significant differences with respect to RSL3 or Heat 50°C treatment (p<0.05)

Table S1. List of RT-qPCR primers used in this study

Primers	Sequence (5'-3')	Length (bp)	Annealing Temperature (°C)
GPX5-F	GCGGTCGCCAATAACCAAT	19	60
GPX5-R	AAGGGCTGTCCCGAAAGC	18	
HO-1-F	CTGCCGACATTGCCTGGAT	18	60
HO-1-R	CGCCTCTTGCTTTATGCCTC	20	
CBLP-F	CTTCTCGCCCATGACCAC	18	60
CBLP-R	CCCACCAGGTTGTTCTTCAG	20	