

APPENDIX

Targeting prominin2 transcription to overcome ferroptosis resistance in cancer

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Appendix Table S1: List of statistical method used and p-values.

<u>Figure Number</u>	<u>P-Value</u>	<u>Method</u>
Figure 1		
<i>Figure 1A</i>		
MCF10A: RSL3 45 minutes	0.0069	Unpaired student's <i>t</i> -test
<i>Figure 1B</i>		
MCF10A: DMSO vs. RSL3	0.00255	Unpaired student's <i>t</i> -test
MCF10A: RSL3 vs. RSL3+Fer-1	0.00595	Unpaired student's <i>t</i> -test
<i>Figure 1C</i>		
MCF10A: 4HNE 45 minutes	0.0077	Unpaired student's <i>t</i> -test
<i>Figure 1D</i>		
MCF10A: EtOH vs. 4HNE	0.0022	Unpaired student's <i>t</i> -test
Figure 2		
<i>Figure 2C</i>		
MCF10A: DMSO vs. 4HNE	0.0022	Unpaired student's <i>t</i> -test
MCF10A: 4HNE vs. 4HNE+BIRB	0.0022	Unpaired student's <i>t</i> -test
<i>Figure 2E</i>		
MCF10A: RSL3+DMSO vs. RSL3+BIRB	<0.0001	Unpaired student's <i>t</i> -test
Figure 3		
<i>Figure 3B</i>		
MCF10A: RSL3 15 minutes	0.0034	Unpaired student's <i>t</i> -test
MCF10A: 4HNE 15 minutes	0.0015	Unpaired student's <i>t</i> -test
<i>Figure 3C</i>		
MCF10A: Control vs. 4HNE	0.0028	Unpaired student's <i>t</i> -test
MCF10A: 4HNE vs. 4HNE+BIRB	0.01	Unpaired student's <i>t</i> -test
<i>Figure 3G</i>		
MCF10A: 1 uM RSL3 siControl vs. 1 uM RSL3 siHSF1	<0.0001	Unpaired student's <i>t</i> -test
Figure 4		
<i>Figure 4A</i>		
MCF10A: DMSO vs. 4HNE	<0.0001	Unpaired student's <i>t</i> -test
MCF10A: 4HNE vs. 4HNE+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
MCF10A: RSL3 vs. RSL3+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
<i>Figure 4B</i>		
MCF10A: DMSO vs. 4HNE	0.0093	Unpaired student's <i>t</i> -test
<i>Figure 4E</i>		
MCF10A: 0.5 uM RSL3 Control vs. 0.5 uM RSL3 KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
MCF10A: 0.5 uM FIN56 Control vs. 0.5 uM FIN56 KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
MCF10A: 0.5 uM IKE Control vs. 0.5 uM IKE KRIBB11	<0.0001	Unpaired student's <i>t</i> -test

Figure 5		
<i>Figure 5A</i>		
Hs578t: 0.5 uM RSL3+DMSO vs. 0.5 uM RSL3+KRIBB11	0.001	Unpaired student's <i>t</i> -test
Hs578t: 0.5 uM IKE+DMSO vs. 0.5 uM IKE+KRIBB11	0.003	Unpaired student's <i>t</i> -test
<i>Figure 5B</i>		
SF295: 0.25 uM RSL3+DMSO vs. 0.25 uM RSL3+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
SF295: 0.5 uM IKE+DMSO vs. 0.5 uM IKE+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
<i>Figure 5C</i>		
NCI H1975: 0.5 uM RSL3+DMSO vs. 0.5 uM RSL3+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
NCI H1975: 0.5 uM IKE+DMSO vs. 0.5 uM IKE+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
<i>Figure 5E</i>		
MDA-MB-231: 0.25 uM IKE+DMSO vs. 0.25 uM IKE+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
Figure 6		
<i>Figure 6B</i>		
Hs578t: Day 7 Vehicle vs. Day 7 IKE+KRIBB11	<0.0001	Two-way ANOVA
Figure EV1		
<i>Figure EV1B</i>		
MCF10A: DMSO vs. RSL3	0.0017	Unpaired student's <i>t</i> -test
MCF10A: DMSO vs. 4HNE	0.0033	Unpaired student's <i>t</i> -test
Figure EV2		
<i>Figure EV2B</i>		
Hs578t: 1uM RSL3+DMSO vs. 1uM RSL3+BIRB	<0.0001	Unpaired student's <i>t</i> -test
<i>Figure EV2D</i>		
MCF10A: DMSO+RSL3 vs. SB202190+RSL3	<0.0001	Unpaired student's <i>t</i> -test
Figure EV3		
<i>Figure EV3D</i>		
0.5 uM RSL3: MCF10A+Vector RSL3 vs. MCF10A+Vector RSL3+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
1 uM RSL3: MCF10A+Vector RSL3 vs. MCF10A+Vector RSL3+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
1 uM RSL3: MCF10A+Prominin2 RSL3 vs. MCF10A+Prominin2 RSL3+KRIBB11	0.0078	Unpaired student's <i>t</i> -test

2.5 uM RSL3: MCF10A+Vector RSL3 vs. MCF10A+Vector RSL3+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
2.5 uM RSL3: MCF10A+Prominin2 RSL3 vs. MCF10A+Prominin2 RSL3+KRIBB11	0.0064	Unpaired student's <i>t</i> -test
5 uM RSL3: MCF10A+Vector RSL3 vs. MCF10A+Vector RSL3+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
<i>Figure EV3E</i>		
MCF10A: siHSF1 RSL3 vs. siHSF1 RSL3+Fer-1	<0.0001	Unpaired student's <i>t</i> -test
Figure EV4		
<i>Figure EV4B</i>		
MCF10A: IKE vs. IKE+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test
MCF10A: IKE vs. IKE+KRIBB11+Fer-1	0.0042	Unpaired student's <i>t</i> -test
MCF10A: IKE vs. IKE+KRIBB11+ZVAD-fmk	<0.0001	Unpaired student's <i>t</i> -test
<i>Figure EV4C</i>		
MCF10A: 2 uM RSL3 vs. 2 uM RSL3+BIRB	<0.0001	Unpaired student's <i>t</i> -test
Figure EV5		
<i>Figure EV5B</i>		
MDA-MB-231: 0.25 uM RSL3+DMSO vs. 0.25 uM RSL3+KRIBB11	<0.0001	Unpaired student's <i>t</i> -test