

Table S1 Cell cycle phase distribution

Untreated	Apop	Go/G1	S	G2/M	
<i>hsf1</i> <sup>+/+</sup>	5.81 ± 0.89	59.10 ± 1.25	11.98 ± 1.55	23.11 ± 1.36	
<i>hsf1</i> <sup>-/-</sup>	Empty	4.11 ± 1.49	48.45 ± 4.70	17.58 ± 1.54	29.79 ± 4.30
	WT	5.40 ± 0.73	58.85 ± 1.65	12.07 ± 2.18	23.70 ± 1.27
	W37A	4.50 ± 2.16	50.02 ± 4.00	19.05 ± 2.63	25.84 ± 4.34
	Y60A	3.95 ± 2.06	47.83 ± 6.48	18.18 ± 1.63	30.05 ± 6.05
	F104A	3.28 ± 0.57	48.27 ± 3.68	20.25 ± 2.28	28.21 ± 1.98

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UV	Apop	Go/G1	S	G2/M	
<i>hsf1</i> <sup>+/+</sup>	3.91 ± 0.24	41.17 ± 1.62	20.29 ± 0.97	33.66 ± 1.25	
<i>hsf1</i> <sup>-/-</sup>	Empty	20.92 ± 3.02	47.38 ± 1.62	16.13 ± 0.95	15.57 ± 1.64
	WT	3.79 ± 0.17	41.77 ± 1.76	20.12 ± 1.29	34.33 ± 0.64
	W37A	23.27 ± 3.73	51.67 ± 1.82	14.20 ± 1.19	10.86 ± 0.83
	Y60A	19.82 ± 3.30	47.11 ± 2.19	16.57 ± 0.81	16.51 ± 0.30
	F104A	24.06 ± 4.91	51.51 ± 2.54	13.75 ± 1.27	10.69 ± 1.10

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2mg/ml Cisplatin	Apop	Go/G1	S	G2/M	
<i>hsf1</i> <sup>+/+</sup>	5.88 ± 1.26	20.56 ± 1.88	21.24 ± 1.92	55.73 ± 7.34	
<i>hsf1</i> <sup>-/-</sup>	Empty	3.39 ± 0.88	25.16 ± 3.74	58.31 ± 4.40	13.05 ± 3.95
	WT	6.64 ± 0.54	19.54 ± 2.91	22.28 ± 0.98	51.51 ± 0.69
	W37A	6.69 ± 0.37	26.15 ± 3.21	51.18 ± 1.74	15.99 ± 1.88
	Y60A	3.57 ± 0.63	25.59 ± 2.46	56.76 ± 4.91	13.96 ± 5.12
	F104A	6.69 ± 0.52	26.19 ± 1.29	52.18 ± 5.53	14.95 ± 1.77

Value represent percentage of cells analyzed by flow cytometer and means ± SD of 3 independent experiments.