

Table S1. Details on number of experiments and cells analyzed for all presented data

Figure	Treatment	Biomarker	Time (hrs)	Experiments	Cells (0%)	Cells (2%)	Cells (5%)	Cells (9%)	Cells (15%)
1B, S4E	WT	TBSmCherry	2	3	2588	3070	2871	2753	2811
	WT	TBSmCherry	4	3	3699	3467	3504	3240	3160
	WT	TBSmCherry	6	3	1988	2107	2137	2824	3459
	WT	TBSmCherry	8	3	3163	3066	3051	1443	3452
	WT	TBSmCherry	12	3	3197	3147	2748	2750	2756
	WT	TBSmCherry	16	3	3534	3074	2854	3123	3641
	WT	TBSmCherry	24	3	1822	1909	2098	2086	2175
1C, S2B	WT	Ki67	2	8	6431	6927	7024	7180	6587
	WT	Ki67	4	5	5790	5404	5125	5843	5973
	WT	Ki67	6	4	2747	2829	3464	3419	3832
	WT	Ki67	8	7	6050	7226	6088	6127	7098
	WT	Ki67	12	6	5377	5688	4148	4318	5092
	WT	Ki67	16	3	3312	2941	3110	3214	3169
	WT	Ki67	24	3	2511	1799	2136	2224	1222
1D, S5E	WT	TOPdGFP	2	7	4971	4850	4967	4851	5056
	WT	TOPdGFP	4	6	4769	4750	5136	5128	4944
	WT	TOPdGFP	6	4	2380	2378	2677	2678	2871
	WT	TOPdGFP	8	7	3222	3625	3630	3719	3965
	WT	TOPdGFP	12	4	2222	1884	1932	2053	2091
	WT	TOPdGFP	16	3	1724	1545	1477	1444	1596
	WT	TOPdGFP	24	3	2017	1448	1707	1788	1769
1E, S2D	WT	EdU	2	4	3916	4315	4043	4050	3754
	WT	EdU	4	4	4514	4418	4746	4666	4798
	WT	EdU	6	4	3421	4499	3432	3536	3251
	WT	EdU	8	4	3787	3735	3099	3531	3603
	WT	EdU	12	3	3346	3374	3583	3578	3701
	WT	EdU	16	4	3579	3294	3772	3492	3855
	WT	EdU	24P	4	3837	3760	3958	3959	4378
	WT	EdU	24C	6	6554	-	-	-	7390
2A	WT	TBSmCherry	4	3	4494	-	-	-	4373
	YTIP	TBSmCherry	4	3	181	-	-	-	103
2C	WT	TOPdGFP	8	3	3679	-	-	-	3366
	YTIP	TOPdGFP	8	3	208	-	-	-	248
2E	WT	Ki67	4	3	2565	-	-	-	3261
	YTIP	Ki67	4	3	116	-	-	-	259
2G	WT	EdU	16	3	4203	-	-	-	5230
	YTIP	EdU	16	3	160	-	-	-	110

Table S1. Continued

Figure	Treatment	Biomarker	Time (hrs)	Experiments	Cells (0%)	Cells (2%)	Cells (5%)	Cells (9%)	Cells (15%)
3B	WT	Ki67	8	3	3861	-	-	-	3130
	β Eng	Ki67	8	3	4831	-	-	-	5161
3C	WT	EdU	16	4	5568	-	-	-	5957
	β Eng	EdU	16	4	6081	-	-	-	7006
3D	WT	TOPdGFP	8	3	312	-	-	-	219
	β Eng	TOPdGFP	8	3	438	-	-	-	459
3E	WT	TBSmCherry	4	3	418	-	-	-	590
	β Eng	TBSmCherry	4	3	501	-	-	-	754
4B	WT	Ki67	4	4	1522	-	-	-	1420
	T151	Ki67	4	4	1965	-	-	-	1740
4C	WT	EdU	16	3	4057	-	-	-	4180
	T151	EdU	16	3	4892	-	-	-	5214
4D	WT	TBSmCherry	4	3	254	-	-	-	328
	T151	TBSmCherry	4	3	452	-	-	-	360
4E	WT	TOPdGFP	8	3	176	-	-	-	159
	T151	TOPdGFP	8	3	598	-	-	-	262
S3B	Fucci	Cdt1	0	4	2173	-	-	-	-
	Fucci	Cdt1	4	3	5873	-	-	-	5862
	Fucci	Cdt1	8	3	5621	-	-	-	4905
	Fucci	Cdt1	16	3	5615	-	-	-	5317
	Fucci	Cdt1	24	3	6024	-	-	-	5782
S3D	Fucci	Geminin	0	4	2173	-	-	-	-
	Fucci	Geminin	4	3	5873	-	-	-	5862
	Fucci	Geminin	8	3	5621	-	-	-	4905
	Fucci	Geminin	16	3	5615	-	-	-	5317
	Fucci	Geminin	24	3	6024	-	-	-	5782
S4B	WT	Yap1	1	4	1535	1637	795	1614	1529
	WT	Yap1	2	4	1088	1587	1329	1450	1430
	WT	Yap1	4	3	1215	1045	1185	1047	1019
	WT	Yap1	6	3	1346	1264	1092	1238	1103
	WT	Yap1	8	2	565	456	516	544	635
	WT	Yap1	12	3	1251	1228	1103	1192	1299
	WT	Yap1	16	2	476	346	349	362	461
	WT	Yap1	24	2	679	455	646	652	522
S5B	WT	β -catenin	1	2	621	666	742	571	746
	WT	β -catenin	2	2	559	525	535	536	514

Table S1. Continued

Figure	Treatment	Biomarker	Time (hrs)	Experiments	Cells (0%)	Cells (2%)	Cells (5%)	Cells (9%)	Cells (15%)
	WT	β -catenin	4	2	598	652	783	669	376
	WT	β -catenin	6	3	440	437	1152	1019	885
	WT	β -catenin	8	4	779	825	911	842	849
	WT	β -catenin	12	4	1196	1223	1286	1297	1086
	WT	β -catenin	16	2	298	289	448	471	493
	WT	β -catenin	24	4	1620	1727	1846	1861	1676
S6B	WT	Ki67	N/A	4	2564	-	-	-	-
	YTIP	Ki67	N/A	4	405	-	-	-	-
S6C	WT	TBSmCherry	N/A	3	1127	-	-	-	-
	YTIP	TBSmCherry	N/A	3	168	-	-	-	-
S6D	WT	TOPdGFP	N/A	3	808	-	-	-	-
	YTIP	TOPdGFP	N/A	3	102	-	-	-	-
S7C	WT	TOPdGFP	N/A	2	28	-	-	-	-
	β Eng	TOPdGFP	N/A	2	34	-	-	-	-
S7D	WT - LD	EdU	24	3	676	-	-	-	-
	WT - HD	EdU	24	3	1729	-	-	-	-
	β Eng - LD	EdU	24	3	970	-	-	-	-
	β Eng - HD	EdU	24	3	1711	-	-	-	-
S8B	DMSO	Ki67	4	3	3393	-	-	-	3586
	Vertiporfin	Ki67	4	3	3338	-	-	-	3629
	iCRT3	Ki67	4	3	3496	-	-	-	3641
S8C	DMSO	EdU	24	3	2841	-	-	-	3290
	Vertiporfin	EdU	24	3	2830	-	-	-	2873
	iCRT3	EdU	24	3	3019	-	-	-	3186
S8D	DMSO	TBSmCherry	4	3	3393	-	-	-	3586
	Vertiporfin	TBSmCherry	4	3	3338	-	-	-	3629
	iCRT3	TBSmCherry	4	3	3496	-	-	-	3641
S8E	DMSO	TOPdGFP	8	3	2562	-	-	-	2838
	Vertiporfin	TOPdGFP	8	3	2697	-	-	-	2716
	iCRT3	TOPdGFP	8	3	2740	-	-	-	2292
S9B	WT - LD	EdU	24	3	676	-	-	-	-
	WT - HD	EdU	24	3	1702	-	-	-	-
	T-D - LD	EdU	24	3	929	-	-	-	-
	T-D - HD	EdU	24	3	2249	-	-	-	-
	T+D - LD	EdU	24	3	646	-	-	-	-
	T+D - HD	EdU	24	3	1961	-	-	-	-