

Table S1. Genes expressed at higher levels in the lines without wt TP53 genes relative to those with wt TP53 genes following gamma irradiation.

Symbol*	ID	HCT116 [†]			DLD-1		RKO		SW48	
		+/+	-/-	R248W/-	+/SIL	S241F/SIL	+/+	-/-	+/+	-/-
ASPM	NM_016426	1.0	3.3	2.6	1.0	6.1	1.0	2.5	1.0	3.7
AURKB	NM_002497	1.0	2.9	2.1	1.0	2.8	1.0	2.4	1.0	3.3
BIRC5	NM_152524	1.0	2.6	2.4	1.0	3.2	1.0	2.3	1.0	2.8
BRRN1	NM_022346	1.0	3.3	2.7	1.0	4.4	1.0	2.1	1.0	3.1
C17orf41	NM_003318	1.0	2.1	2.3	1.0	2.5	1.0	2.1	1.0	2.3
CASC5	NM_006845	1.0	3.2	2.5	1.0	7.1	1.0	3.3	1.0	2.5
CCNA2	NM_004217	1.0	4.8	3.0	1.0	4.6	1.0	2.0	1.0	3.0
CCNB2	NM_030932	1.0	3.5	2.5	1.0	2.2	1.0	2.2	1.0	2.5
CDC2	NM_012484	1.0	3.3	2.1	1.0	3.1	1.0	2.0	1.0	2.5
CDC25C	NM_004701	1.0	4.2	3.1	1.0	4.5	1.0	2.8	1.0	3.0
CDCA5	NM_016343	1.0	3.7	2.7	1.0	4.0	1.0	2.2	1.0	2.6
CDCA8	NM_138419	1.0	3.5	2.7	1.0	3.7	1.0	2.0	1.0	2.7
CENPA	NM_015341	1.0	4.6	3.2	1.0	9.9	1.0	2.9	1.0	3.2
CENPE	NM_207418	1.0	3.5	2.5	1.0	2.8	1.0	2.4	1.0	2.0
CENPF	NM_017779	1.0	3.6	3.3	1.0	19.0	1.0	2.3	1.0	3.1
CIT	NM_012415	1.0	2.8	2.6	1.0	2.6	1.0	2.7	1.0	2.6
CKAP2L	NM_024857	1.0	4.6	3.2	1.0	5.9	1.0	2.7	1.0	2.2
DEPDC1	NM_007174	1.0	3.6	3.3	1.0	3.4	1.0	2.1	1.0	3.1
DIAPH3	NM_006101	1.0	3.1	2.3	1.0	2.3	1.0	3.3	1.0	2.3
FAM54A	NM_170589	1.0	4.4	2.5	1.0	4.5	1.0	2.1	1.0	3.3
FAM72A	NM_001237	1.0	4.3	2.4	1.0	3.5	1.0	2.5	1.0	2.5
FLJ39660	NM_001067	1.0	2.4	2.3	1.0	4.6	1.0	2.5	1.0	2.3
GTSE1	BC062449	1.0	3.4	4.2	1.0	6.0	1.0	2.6	1.0	2.7
HCAP-G	NM_001813	1.0	3.7	2.2	1.0	2.9	1.0	2.1	1.0	2.2
HMMR	NM_001790	1.0	4.2	3.0	1.0	3.1	1.0	2.0	1.0	2.9
KIF18A	NM_031217	1.0	3.3	4.2	1.0	2.8	1.0	3.6	1.0	3.4
KIF20A	NM_018101	1.0	3.9	4.3	1.0	4.8	1.0	3.0	1.0	2.9
KIF2C	NM_152515	1.0	3.6	2.6	1.0	3.3	1.0	2.4	1.0	2.9
KNTC2	NM_018136	1.0	5.0	3.5	1.0	5.0	1.0	2.2	1.0	2.9
NEK2	NM_001012271	1.0	4.8	3.8	1.0	4.0	1.0	2.5	1.0	3.4

PLK1	NM_001809	1.0	3.7	2.7	1.0	2.8	1.0	2.2	1.0	2.7
RAD54B	NM_005733	1.0	3.2	2.2	1.0	2.2	1.0	2.3	1.0	2.8
SGOL2	NM_001786	1.0	4.2	2.9	1.0	3.3	1.0	2.1	1.0	2.8
TOP2A	NM_005030	1.0	2.9	2.4	1.0	2.7	1.0	2.1	1.0	2.7
TTK	NM_080668	1.0	4.0	3.1	1.0	2.9	1.0	2.2	1.0	2.9

* Only genes exhibiting at least 2-fold difference are included.

† The values were normalized as follows: For the HCT116 cell lines to HCT116+/+, for the DLD-1 cell lines to the DLD+/SIL, for the RKO cell lines to RKO +/+, and for the SW48 cell lines to SW48+/+