

Table S3. Real-time PCR analysis of genes expressed at higher levels in the lines without wt TP53 genes relative to those with wt TP53 genes following gamma irradiation.

Symbol	ID	Gene Name	HCT116			DLD-1		RKO		SW48	
			+/+	-/-	R248W/-	+/SIL	S241F	+/+	-/-	+/+	-/-
ASPM	NM_016426	Homo sapiens asp (abnormal spindle)-like, microcephaly associated	1.00	2.65	2.55	1.00	22.75	1.00	2.12	1.00	17.52
AURKB	NM_002497	Homo sapiens aurora kinase B	1.00	5.52	5.00	1.00	8.88	1.00	1.32	1.00	6.06
BIRC5	NM_152524	Homo sapiens baculoviral IAP repeat-containing 5 (survivin), transcript	1.00	1.26	1.60	1.00	11.74	1.00	3.49	1.00	4.57
BRRN1	NM_022346	Homo sapiens barren homolog 1 (Drosophila)	1.00	11.65	1.65	1.00	21.97	1.00	2.38	1.00	7.73
C17orf41	NM_003318	Homo sapiens chromosome 17 open reading frame 41	1.00	2.52	2.77	1.00	20.44	1.00	1.86	1.00	8.00
CASC5	NM_006845	Homo sapiens cancer susceptibility candidate 5, transcript variant 1	1.00	1.46	2.13	1.00	28.86	1.00	2.79	1.00	4.51
CCNA2	NM_004217	Homo sapiens cyclin A2	1.00	5.21	4.01	1.00	28.28	1.00	2.08	1.00	13.12
CCNB2	NM_030932	Homo sapiens cyclin B2	1.00	4.61	2.27	1.00	7.48	1.00	1.64	1.00	10.58
CDC2	NM_012484	Homo sapiens cell division cycle 2, G1 to S and G2 to M, transcript variant 1	1.00	2.39	3.62	1.00	22.63	1.00	2.16	1.00	6.73
CDC25C	NM_004701	Homo sapiens cell division cycle 25C, transcript variant 1	1.00	4.23	4.76	1.00	29.00	1.00	2.81	1.00	8.66
CDCA5	NM_016343	Homo sapiens cell division cycle associated 5	1.00	5.49	4.60	1.00	18.14	1.00	1.86	1.00	6.06
CDCA8	NM_138419	Homo sapiens cell division cycle associated 8	1.00	2.65	2.12	1.00	23.48	1.00	2.15	1.00	9.55
CENPA	NM_015341	Homo sapiens centromere protein A, transcript variant 1	1.00	4.59	4.77	1.00	23.74	1.00	3.37	1.00	6.73
CENPE	NM_207418	Homo sapiens centromere protein E, 312kDa	1.00	2.66	2.56	1.00	13.46	1.00	3.01	1.00	7.48
CENPF	NM_017779	Homo sapiens centromere protein F, 350/400ka (mitosin)	1.00	2.39	2.03	1.00	55.85	1.00	1.87	1.00	8.76
CIT	NM_012415	Homo sapiens citron (rho-interacting, serine/threonine kinase 21)	1.00	3.21	2.65	1.00	10.20	1.00	2.91	1.00	10.58
CKAP2L	NM_024857	Homo sapiens cytoskeleton associated protein 2-like	1.00	7.75	8.03	1.00	21.32	1.00	3.16	1.00	9.98
DEPDC1	NM_007174	Homo sapiens DEP domain containing 1	1.00	3.03	3.41	1.00	17.80	1.00	3.87	1.00	9.52
DIAPH3	NM_006101	Homo sapiens diaphanous homolog 3 (Drosophila), transcript variant 2	1.00	3.14	4.35	1.00	4.99	1.00	1.42	1.00	7.73
FAM54A	NM_170589	Homo sapiens family with sequence similarity 54, member A	1.00	4.33	2.75	1.00	23.93	1.00	1.58	1.00	8.69
FAM72A	NM_001237	Homo sapiens family with sequence similarity 72, member A	1.00	7.21	5.36	1.00	19.75	1.00	2.45	1.00	8.69
FLJ39660	NM_001067	Homo sapiens hypothetical protein FLJ39660	1.00	1.82	1.65	1.00	13.00	1.00	0.76	1.00	7.48
GTSE1	BC062449	Homo sapiens G-2 and S-phase expressed 1	1.00	2.96	2.84	1.00	32.00	1.00	2.48	1.00	11.31
HCAP-G	NM_001813	Homo sapiens chromosome condensation protein G	1.00	5.47	5.52	1.00	15.49	1.00	3.79	1.00	5.89
HMMR	NM_001790	Homo sapiens hyaluronan-mediated motility receptor (RHAMM), transcript	1.00	4.76	3.87	1.00	12.59	1.00	2.52	1.00	11.34
KIF18A	NM_031217	Homo sapiens kinesin family member 18A	1.00	2.14	2.94	1.00	19.07	1.00	1.77	1.00	6.76
KIF20A	NM_018101	Homo sapiens kinesin family member 20A	1.00	2.83	3.95	1.00	30.98	1.00	4.16	1.00	10.20
KIF2C	NM_152515	Homo sapiens kinesin family member 2C	1.00	4.23	3.50	1.00	15.60	1.00	2.56	1.00	12.74
KNTC2	NM_018136	Homo sapiens kinetochore associated 2	1.00	5.33	5.28	1.00	24.00	1.00	2.15	1.00	7.21
NEK2	NM_001012271	Homo sapiens NIMA (never in mitosis gene a)-related kinase 2	1.00	4.29	4.77	1.00	27.05	1.00	1.96	1.00	6.37
PLK1	NM_001809	Homo sapiens polo-like kinase 1 (Drosophila)	1.00	3.87	3.49	1.00	16.00	1.00	2.30	1.00	9.28
RAD54B	NM_005733	Homo sapiens RAD54 homolog B (S. cerevisiae)	1.00	3.61	3.30	1.00	8.28	1.00	1.04	1.00	9.09
SGOL2	NM_001786	Homo sapiens shugoshin-like 2 (S. pombe)	1.00	4.06	2.10	1.00	13.00	1.00	2.70	1.00	11.89
TOP2A	NM_005030	Homo sapiens topoisomerase (DNA) II alpha 170kDa	1.00	2.18	1.84	1.00	11.72	1.00	2.03	1.00	6.19
TTK	NM_080668	Homo sapiens TTK protein kinase	1.00	4.29	4.14	1.00	16.62	1.00	2.56	1.00	10.66

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