

**Table S1** p53 target genes (as compared with Table S2 in ref. 20) upregulated in C-RKO cells after ADR treatment, compared to HIPK2i and p53i cells.

C-RKO		HIPK2i		p53i		Gene	Accession no.
8h	16h	8h	16h	8h	16h		
<i>Apoptosis</i>							
<i>Cell cycle/growth regulation</i>							
4,46	59,56	1,00	1,12	1,00	1,00	TNFRSF10D	AF021233.1
6,66	21,35	0,56	0,87	0,89	1,50	NDRG1	NM_006096
4,20	20,50	1,00	1,41	1,35	2,13	CCNG2/Cyclin G2	L49506.1
5,01	14,79	1,01	1,32	1,01	0,60	TNFRSF10B/DR5	BC001281.1
4,98	10,85	0,96	1,66	1,24	1,49	PIG3	BC000474.1
5,46	9,87	0,63	1,93	1,52	2,00	PMAIP1/Noxa	NM_021127
2,33	9,28	1,00	1,01	1,00	1,00	MDM2	AJ276888.1
5,04	9,19	0,77	0,77	1,09	1,43	TNFRSF6/Fas	X83493.1
2,99	4,80	1,53	1,91	4,49	5,56	CDKN1A/p21	NM_000389.1
1,43	4,75	0,60	0,44	0,67	1,00	PIG7	NM_004862.1
3,17	3,16	0,52	1,37	0,56	1,14	BBC3/Puma	AF332558.1
1,46	2,98	0,33	0,60	0,39	0,55	TGFA	NM_003236.1
2,15	2,97	0,83	1,13	1,54	1,35	TP53TG1	BC002709.1
1,41	2,09	0,73	0,94	0,70	1,58	VMG1	NM_022470
2,38	1,28	1,06	1,22	1,25	1,08	RPS27L	NM_015920.1
<i>DNA damage/repair</i>							
2,00	10,74	0,87	0,81	1,00	1,67	BTG2	BG339064
3,25	5,28	0,56	0,56	1,03	1,76	DDB2	NM_000107.1
2,09	3,08	0,72	0,90	1,25	1,67	XPC	D21089.1
<i>Stress response/Other</i>							
3,88	10,17	0,58	1,56	2,56	6,25	ATF3	NM_001674
2,99	7,94	1,31	1,39	0,91	1,35	FDXR	NM_004110.2
4,88	7,77	0,61	0,52	1,00	1,00	PLAB	AF003934.1
3,73	6,49	0,46	0,51	1,41	0,85	NINJ1	NM_004148.1
1,48	5,75	1,34	1,00	1,49	1,40	CNK	NM_004073.1
2,82	4,24	0,72	0,96	1,51	1,79	PA26	NM_014454.1
1,77	3,45	0,95	0,95	1,18	1,25	PPM1D/Wip1	NM_003620.1
1,16	3,44	1,05	1,15	1,44	1,83	IERC5	NM_016545.1
2,18	0,88	0,87	1,43	0,63	0,61	FMOD	NM_002023