

Supplementary Table 2. Effect of virus infection on the p53 pathway

Symbol	Entrez Gene #	Fold Induction (virus compared to mock)			Fold Induction (virus compared to virus)		
		VSV-p53-CC/fs	VSV-p53wt	VSV-p53-CC	VSV-p53wt to VSV-p53-CC/fs	VSV-p53-CC to VSV-p53-CC/fs	VSV-p53-CC to VSV-p53wt
Proapoptotic genes							
ADCK3 (CABC1)	56997	-	3.85	2.28	3.61	2.14	-2.50
APAF1	317	-3.42	3.08	2.09	10.54	6.17	-
BAX	581	-	2.46	-	4.11	3.24	-
CASP6	839	-4.96	2.04	-	6.00	2.30	-2.14
EP300 (p300)	2033	-	-3.63	-4.43	-2.94	-3.72	-
FAS	355	6.40	3.72	-	-	-3.74	-2.01
JMY	133746	-	-	-2.08	-	-2.84	-
LRDD (PIDD1)	55367	3.08	5.05	5.22	2.49	2.19	-
MED1 (TRAP220)	5469	-	-3.35	-3.59	-2.53	-	-
NOXA (PMAIP1)	5366	25.42	17.52	16.68	-	-	-
PIG3 (TP53I3)	9540	-2.06	17.61	10.82	36.32	22.32	-
PLAGL1 (ZAC1)	5325	-	2.17	-	2.47	-	-
PPP1R151B	84919	-	-3.24	-3.88	-4.02	-4.81	-
PUMA (BBC3)	27113	3.43	2.04	-	-	-	-
TEAP (TP53INP1)	94241	-	33.44	18.51	49.87	27.61	-
TNFRSF10A (DR4)	8797	-	2.55	-	5.07	2.13	-2.38
TNFRSF10B (DR4)	8795	5.09	-	-	-2.31	-3.85	-
Antiapoptotic genes							
BCL2	596	-	-	2.61	-	3.30	2.05
HDAC9	9734	8.93	-	-	-12.51	-14.43	-
SLUG (SNAI1)	6591	-	13.81	6.63	24.61	11.82	-2.08
TIGAR (C12orf5)	57103	-2.75	3.34	2.44	9.20	6.71	-
TRIM29	23650	-	2.76	2.95	2.55	2.73	-
Cell Proliferation							
CCND1 (Cyclin D)	595	-2.65	-2.22	-2.69	-	-	-
CDK2	1017	-2.21	-	-2.49	2.25	-	-
CTNNB1 (B-CATENIN)	1499	-3.11	-3.75	-2.87	-	2.26	-
JUN (C-JUN)	3725	8.08	-2.96	-2.46	-6.32	-4.71	-
KAT2b (PCAF)	8850	-	3.71	3.17	6.38	5.44	-
MDM2	4193	2.03	6.22	5.27	3.07	2.67	-
MDM4	4194	-	-3.89	-2.58	-2.22	-2.04	-
PIAS1	8554	-	-3.46	-3.38	-2.78	-2.79	-
PIK3CA (PI3K)	5290	-	-	-2.17	-	-2.48	-
Cell Cycle Arrest							
CDKN1A (p21)	1026	2.75	7.15	6.41	2.60	2.33	-
CHEK1 (CHK1)	1111	-	-3.50	-3.03	-	-2.05	-
CHEK2 (CHK2)	11200	7.36	-	-	-5.47	-9.31	-
GADD45	1647	-	3.22	3.47	3.82	4.12	-
HIPK2	28996	-	-2.25	-2.17	-2.06	-	-
PML	5371	4.34	2.25	2.09	-2.69	-2.10	-
PTEN	5728	2.01	3.62	3.69	2.46	2.34	-
SERPINE1 (PAI-1)	5054	2.48	5.76	20.69	2.33	8.36	4.11
SFN (14-3-3 SIGMA)	2810	-3.84	4.73	3.57	15.80	11.75	-
Angiogenesis Inhibition							
THBS1	7057	-	-	2.51	-	2.64	2.52
Induction of Autophagy							
DRAM1	55332	2.07	4.36	4.08	2.11	-	-
DNA repair							
PCNA	5111	-3.28	-	-	2.80	2.81	-
RRM2B (P53R2)	50484	-	2.23	2.09	2.48	2.32	-
TOPBP1	11073	-	-3.61	-3.42	-2.91	-2.75	-

Ingenuity pathway analysis of Interferon Signaling in Suit2 cells.

Cellular transcripts were reported if they were more than 2-fold up or downregulated 8 h p.i.

Cellular transcript profiles after infection of each virus, VSV-p53-CC/fs, VSV-p53wt, or VSV-p53-CC, are compared to mock as well to each other.