

Supplementary Table C. Genes differentially expressed in response to DNA damage, as identified by meta-analysis

Up-regulated Genes

	N*	Gene	LocusLink ID
1	16	GDF15	9518
2	14	CDKN1A	1026
3	13	ATF3	467
4	13	FDXR	2232
5	13	MDM2	4193
6	12	GADD45A	1647
7	12	PPM1D	8493
8	11	DDB2	1643
9	11	TOP3A	7156
10	10	ACTA2	59
11	10	BBC3	27113
12	10	TP53I3	9540
13	10	XPC	7508
14	9	ABCB6	10058
15	9	BTG2	7832
16	9	GLS2	27165
17	9	NINJ1	4814
18	9	PLK2	10769
19	9	RRAD	6236
20	8	BAX	581
21	8	GAMT	2593
22	8	ITPKC	80271
23	8	PLXNB2	23654
24	8	RAD9A	5883
25	8	TNFRSF10B	8795
26	7	APLP1	333
27	7	C10orf10	11067
28	7	DHRS3	9249
29	7	EFNB1	1947
30	7	MLL2	8085
31	7	PGF	5228
32	7	PLCB2	5330
33	7	POU2F2	5452
34	7	SCAND2	54581
35	7	SELPLG	6404
36	7	SNX13	23161
37	7	TRIM22	10346
38	7	TRO	7216
39	6	APEG1	10290
40	6	CBARA1	10367
41	6	CTNNBIP1	56998
42	6	DKFZP586A0522	25840
43	6	DUSP9	1852

44	6	ELL	8178
45	6	FADS3	3995
46	6	FHL2	2274
47	6	FZR1	51343
48	6	HBB	3043
49	6	IGFBP4	3487
50	6	NRGN	4900
51	6	PCBP4	57060
52	6	PCNA	5111
53	6	PRKACA	5566
54	6	PTP4A1	7803
55	6	SLC6A8	6535
56	6	TM7SF2	7108
57	6	TNFAIP3	7128
58	6	TOB1	10140
59	6	TP53AP1	11257
60	6	ZNF79	7633
61	5	ACVR2B	93
62	5	ANXA9	8416
63	5	APOBEC3G	60489
64	5	ARL3	403
65	5	ARSA	410
66	5	ASCC3	10973
67	5	ASPA	443
68	5	ATP2B3	492
69	5	BTNL3	10917
70	5	CACNA1H	8912
71	5	CES2	8824
72	5	CYFIP2	26999
73	5	DPEP1	1800
74	5	F2R	2149
75	5	FETUB	26998
76	5	FEZ1	9638
77	5	GPT	2875
78	5	GRB10	2887
79	5	GSTM1	2944
80	5	HLF	3131
81	5	HOXB7	3217
82	5	HRAS	3265
83	5	ICA1	3382
84	5	INE1	8552
85	5	ITGAE	3682
86	5	KRT17	3872
87	5	LIF	3976
88	5	LMNA	4000
89	5	MAPK13	5603
90	5	MAST2	23139
91	5	MT1F	4494

92	5	NFKB2	4791
93	5	OSBPL3	26031
94	5	P4HA2	8974
95	5	PDE4C	5143
96	5	PEX13	5194
97	5	PLK3	1263
98	5	PML	5371
99	5	POMZP3	22932
100	5	PPIE	10450
101	5	PRF1	5551
102	5	PRODH	5625
103	5	PYY	5697
104	5	RAPGEF1	2889
105	5	RNF144	9781
106	5	SGK	6446
107	5	SHC3	53358
108	5	SRISNF2L	23132
109	5	TH	7054
110	5	TKTL1	8277
111	5	TNFRSF25	8718
112	5	TNFSF9	8744
113	5	TPM3	7170
114	5	ZNF629	23361
115	4	AAK1	22848
116	4	ACTB	60
117	4	ADAMDEC1	27299
118	4	ADPRH	141
119	4	AKT2	208
120	4	APBA3	9546
121	4	APOBEC3C	27350
122	4	ARNTL	406
123	4	ATP10A	57194
124	4	ATP8B3	148229
125	4	C20orf111	51526
126	4	C9orf127	51754
127	4	CA12	771
128	4	CAMK2G	818
129	4	CCNG1	900
130	4	CD151	977
131	4	CDC42EP4	23580
132	4	CLCN2	1181
133	4	COL1A1	1277
134	4	COL9A2	1298
135	4	CPM	1368
136	4	CSNK1G2	1455
137	4	CSPG2	1462
138	4	DDIT3	1649
139	4	DDR1	780

140	4	DOC2B	8447
141	4	DUSP14	11072
142	4	FCN2	2220
143	4	FOXD2	2306
144	4	FOXG1B	2290
145	4	FST	10468
146	4	FUCA1	2517
147	4	GCH1	2643
148	4	GFRA3	2676
149	4	GPR18	2841
150	4	GREB1	9687
151	4	HARS	3035
152	4	HBD	3045
153	4	HIST1H2BD	3017
154	4	HSPB1	3315
155	4	HUS1	3364
156	4	IL10RA	3587
157	4	IL1B	3553
158	4	INHA	3623
159	4	INPP1	3628
160	4	INPP5F	22876
161	4	JMJD2B	23030
162	4	KCNJ2	3759
163	4	KIAA0543	23145
164	4	KLK2	3817
165	4	MAD1L1	8379
166	4	MAP1A	4130
167	4	MAP2K7	5609
168	4	MGC10471	81576
169	4	MTMR2	8898
170	4	NALP1	22861
171	4	NFKBIA	4792
172	4	NRG1	3084
173	4	PITX3	5309
174	4	PKD1	5310
175	4	PLXNB1	5364
176	4	PPY	5539
177	4	PRKAB1	5564
178	4	PRKY	5616
179	4	PSG3	5671
180	4	PSG4	5672
181	4	PTPN6	5777
182	4	PTPRN	5798
183	4	PTPRO	5800
184	4	REV3L	5980
185	4	SCRIB	23513
186	4	SERPINB7	8710
187	4	SERPINB9	5272

188	4	SLC13A2	9058
189	4	SLN	6588
190	4	SMAD5	4090
191	4	SPINK4	27290
192	4	SYNGR3	9143
193	4	TAP1	6890
194	4	TCF3	6929
195	4	TNFRSF10C	8794
196	4	TNFSF4	7292
197	4	TNFSF7	970
198	4	TRPM2	7226
199	4	VAV2	7410
Down-regulated Genes			
1	8	CCNB1	891
2	8	PLK1	5347
3	7	CENPA	1058
4	7	NEK2	4751
5	7	TROAP	10024
6	6	BUB1	699
7	6	CCNF	899
8	6	CDC20	991
9	6	KIF14	9928
10	6	MYC	4609
11	6	PPARD	5467
12	6	STK6	6790
13	5	ACP5	54
14	5	CENPE	1062
15	5	CYP11B2	1585
16	5	EIF4A1	1973
17	5	KIF23	9493
18	5	LTBP1	4052
19	5	MXD4	10608
20	4	BCL11A	53335
21	4	C18orf1	753
22	4	CCIN	881
23	4	CCNA2	890
24	4	CCNB2	9133
25	4	CENPF	1063
26	4	CKS2	1164
27	4	DLEC1	9940
28	4	DLG7	9787
29	4	EIF3S9	8662
30	4	FBP1	2203
31	4	FGFR3	2261
32	4	GRIN1	2902
33	4	GTSE1	51512
34	4	GUCY1A2	2977
35	4	HIRA	7290

36	4	ITIH1	3697
37	4	KCNAB2	8514
38	4	KIF2C	11004
39	4	KIFC1	3833
40	4	KIFC3	3801
41	4	KNTC2	10403
42	4	LOC92558	92558
43	4	MYOG	4656
44	4	MYR8	23026
45	4	PDCD1	5133
46	4	SMG1	23049
47	4	TAP2	6891
48	4	TJP3	27134
49	4	ZNF264	9422
* "N" is the number of conditions (out of 21) in which gene was significantly changed upon DNA damage			