

## Supplemental Methods Table 1. Mouse and Human p53 Target Genes Primers

Supplemental Methods Table 1a: Mouse qRT-PCR Primer List	
p53 F:	GGG GAG GAG CCA GGC CAT CA
p53 R:	CCG CGC CAT GGC CAT CTA CA
Killer/Dr5 F:	GAG GGT ATT GAC TAC ACC AGC C
Killer/Dr5 R:	ATG TTG CAT CGG GTT TCT ACG
Pidd F:	TCG CTG TCG TGA GGT AGT TG
Pidd R:	GAG AAG TGC TCC CTC TGG TG
Perp F:	GAC CCC AGA TGC TTG TTT TC
Perp R:	CAG CAG GGT TAT CGT GAA GC
p21 F:	CTAGGGGAATTGGAGTCAGG
p21 R:	AGAGACAACGGCACACTTTG
Puma F:	GCGGCGGAGACAAGAAGA
Puma R:	AGTCCCATGAAGAGATTGTACATGAC
Noxa F:	GCAGAGCTACCACCTGAGTTC
Noxa R:	CTTTTGC GACTTCCCAGGCA
Bax F:	TGAAGACAGGGGCCTTTTTG
Bax R:	AATTCGCCGGAGACACTCG
Mdm2 F:	CTGTGTCTACCGAGGGTGCT
Mdm2R:	CGCTCCAACGGACTTTAACA
B-Actin F:	TCCTAGCACCATGAAGATCAAGATC
B-Actin R:	CTGCTTGCTGATCCACATCTG
Chd7 F:	CTT TTC ATG AGC CAC AAA CG
Chd7 R:	TCT TCT TCA AAA GCT TTG GTC AC
Snai1 F:	TGGAAAGGCCTTCTCTAGGC
Snai1 R:	AAAGCACGGTTGCAGTGG
Wnt1 F:	ACAGTAGTGGCCGATGGTG
Wnt1 R:	CTTGGAATCCGTCAACAGGT
Pax3 F:	GCGAGAAAAAGGCTAAACACA
Pax3 R:	CGGAGCCTTCATCTGACTG

Supplemental Methods Table 1b: Human qRT-PCR Primer List	
p53 F:	CAG TTC CTG CAT GGG CGG CA
p53 R:	CGC CGG TCT CTC CCA GGA CA
Noxa F:	CAGCGTTTGCAGATGGTCAA
Noxa R:	CCCCGAAATTACTTCCTTACAAAA
Bax F:	GGCCGGGTTGTCGCCCTTTT
Bax R:	AACAGCCGCTCCCGGAGGAA
Hdm2 F:	GGTTGACTCAGCTTTTCCTCTTG
Hdm2 R:	GGAAAATGCATGGTTTAAATAGCC
Actin F:	ATCCGCCGCCCGTCCACA
Actin R:	ACCATCACGCCCTGGTGCCT
Perp F:	GGA CCC CAG ATG CTT GTC TT
Perp R:	AGG GTG AAG GTC TGG GTG TA
Killer F:	GTGTCCACAAAGAATCAGGCAT
Killer R:	CCAGGTCGTTGTGAGCTTCT
Pidd F:	TGTTTCGAGGGCGAAGAGTTC
Pidd R:	CCACGGTAGAAGGACACCTCC

### Supplemental Methods Table 2. p53 and CHD7 ChIP Analysis Primers

Supplemental Methods Table 2: Mouse qPCR ChIP Primer List	
p21 F:	GAG ACC AGC AGC AAA ATC G
p21 R:	CAG CCC CAC CTC TTC AAT TC
Bax F:	GCC TGG CTA CTG CTT CTG AT
Bax R:	TTG GCA TTC TGC TCT CTG GG
Noxa F:	AAG CAA TTT GGG GGT TGA G
Noxa R:	GAG CGA AGT GGA GCA GGT C

Pidd F:	CCT GCT TAG GCA AGG CTG AT
Pidd R:	CTG GTC CCC TAC AGC CTA CT
Killer F:	GGG TTT CGG ATG AGC TGA CA
Killer R:	CAA GCA GCA ACG CAA AGC TA
Mdm2 F:	CTT CCT GTG GGG CTG GTC
Mdm2 R:	CGG GGC AGC GTT TAA ATA AC
Perp F:	ACC ACA TCC AGA CAT CGT CG
Perp R:	CTC ACC GTA CTC CAT GAG GC
p53 P1 F:	TTCACAAAGCGTTCCTGCTG
p53 P1 R:	CGCCATAACAAGTAAGGGCAAG
p53 P2 F:	CCCACCAGTGTGTTGTGATTTC
p53 P2 R:	AGGTGCAGTTCCTAGAACACG
p53 P3 F:	TCTGAAATGCTTGCCTTTGCTG
p53 P3 R:	ATGCGTATGGAGGTCAGATGAC