Table S5. Primers used for verification of targeted homologous recombination.

PCR of genomic DNA to confirm deletion of exon 2		
11 4-P53 5'screen	forward	5'-ctgggagaaggtgcgatgat
25-P53N EOKO	reverse	5'-gttgtgcccagtcatagccg
Forward primer is outside homology arm; reverse primer is within targeting vector		
PCR of genomic DNA to confirm cre excision of exon 2 targeting vector		
92-P53 exon 2	forward	5'-gggttggaagtgtctcatgc
93-P53 exon 2	reverse	5'-tcccacaggtctctgctagg
Both primers are in intronic regions flanking exon 2.		
PCR of genomic DNA to check for insertion of targeting sequence of KI clones prior to cre excision		
1 25-p53e7screen	forward	5'-ctgccgtcttccagttgc
25-P53N EOKO	reverse	5'-gttgtgcccagtcatagccg
Forward primer is outside homology arm; reverse primer is within targeting vector		
PCR of genomic DNA to confirm cre excision of KI clones		
1 25-p53e7screen	forward	5'-ctgccgtcttccagttgc
1 30-SEPTCREOUT	reverse	5'-gcacagtggtaccttaaaatttgg
Forward primer is outside homology arm; reverse primer is within targeting vector		
RT-PCR of exon 7 for confirmation of knockin sequence		
1 54-p53e7rt	forward	5'-gtggtggtgccctatgagc
1 55-p53e7	reverse	5'-acaaacacgcacctcaaagc