

Table SI. Primer sequence.

Gene name	Sequence, 5'-3'
LSL-Kras	Wild-type forward: TGT CTT TCC CCA GCA CAG T
	Common reverse: CTG CAT AGT ACG CTA TAC CCT GT
	Mutant forward: GCA GGT CGA GGG ACC TAA TA
Pdx1-Cre	Forward: CCT GGA CTA CAT CTT GAG TTG C
	Reverse: AGG CAA ATT TTG GTG TAC GG
Trp53	Forward: GAG CAT GGA AGT AAG ACC CCT TCT
	Reverse: GAC AGG GTT TCT CTA TGT AGC CCT

The 'common reverse primer' is the universal reverse primer for both the wild-type and the LSL-Kras mutant alleles in the genotyping PCR.