

Table S1. Primers

Primer name	Sequence (5'-3')	Description
F-SHP2-CK(N308D)	AGGAGTGCAAACCTTCTCTACAGCC	Site-directed mutagenesis of SHP-2 ^{FL} to make SHP-2 ^{N308D} .
R-SHP2-CK(N308D)	GGCTGTAGAGAAGTTTGCACCTCCT	As above
F-SHP2 PTP mutagenesis	GTCGTGGTGCACGGCAGTGCTGGAATTGGC	Site-directed mutagenesis of SHP-2 ^{N308D} to make SHP-2 ^{N308D-PTP} .
R- SHP2 PTP mutagenesis	GCCAATTCCAGCACTGCCGTGCACCACGAC	As above