

Supplemental Table 1: Primers used for site-directed mutagenesis (A) or qRT-PCR (B).

A

Gene	Mutation	Sense Primer 5'-3'	Anti-sense Primer 5'-3'
PAK1	K299R	GGA CAG GAG GTG GCC ATT AGG CAG ATG AAT CTT C	GAA GAT TCA TCT GCC TAA TGG CCA CCT CCT GTC C

B

Gene	Forward Primer 5'-3'	Reverse Primer 5'-3'
PAK1	CAG CCC CTC CGA TGA GAA ATA	CAA AAC CGA CAT GAA TTG TGT GT
RAF1	TTT CCT GGA TCA TGT TCC CCT	ACT TTG GTG CTA CAG TGC TCA
NF2	TTG CGA GAT GAA GTG GAA AGG	CCA GAA GTG AAA GGT GAC TGG TT
MET	TGG TGC AGA GGA GCAATG G	CAT TCT GGA TGG GTG TTT CCG
GAB1	GAT GGT TCG TGT TAC GCA GTG	CGC TGT CTG CTA CCAAGT AGA A