

Supplementary Table 1. Sequence of primers used for human and mouse genes

Gene	Specie	Forward primer	Reverse primer
<i>KRAS</i>	Human	GGACTGGGGAGGGCTTTCT	GCCTGTTTTGTGTCTACTGTTCT
	Mouse	CAAGAGCGCCTTGACGATACA	CAAGAGCGCCTTGACGATACA
<i>BRAF</i>	Human	AATACACCAGCAAGCTAGATGC	AATCAGTCCGTTCCCCAGAG
	Mouse	ATTTGGTGGAGAGCATAACCCA	ATTTGGTGGAGAGCATAACCCA
<i>MEK2</i>	Human	CCAAGGTCGGCGAACTCAAA	TCTCAAGGTGGATCAGCTTCC
	Mouse	GTTACCGGCACTCACTATCAAC	GTTACCGGCACTCACTATCAAC
<i>ERK2</i>	Human	TACACCAACCTCTCGTACATCG	CATGTCTGAAGCGCAGTAAGATT
	Mouse	GGTTGTTCCCAAATGCTGACT	GGTTGTTCCCAAATGCTGACT
<i>C-FOS</i>	Human	CCGGGGATAGCCTCTTACT	CCAGGTCCGTGCAGAAGTC
	Mouse	CGGGTTTCAACGCCGACTA	TGGCACTAGAGACGGACAGAT
<i>API</i>	Human	TCCAAGTGCCGAAAAAGGAAG	CGAGTCTGAGCTTCAAGGT
	Mouse	TTCCTCCAGTCCGAGAGCG	TGAGAAGGTCCGAGTTCTTGG
<i>GAPDH</i>	Human	GGAGCGAGATCCCTCCAAAAT	GGCTGTTGTCATACTTCTCATGG
	Mouse	AGGTCGGTGTGAACGGATTTG	AGGTCGGTGTGAACGGATTTG