

**Table S1.** Primer list used for mRNA quantification.

<b>Primer</b>	<b>Forward (5'-3') Sequence</b>	<b>Reverse (5'-3') Sequence</b>
Mouse <i>Chop</i>	CCACCACACCTGAAAGCAGA	AGGTGAAAGGCAGGGACTCA
Mouse <i>Atf4</i>	AAGCAGCAGAGTCAGGCTTTC	GGGTTCTGTCTTCCACTCCA
Mouse <i>Bip</i>	TTCAGCCAATTATCAGCAAACCTCT	TTTTCTGATGTATCCTCTTCACCAGT
Mouse <i>Il6</i>	AACCGCTATGAAGTTCCTCTC	TCCTCTGTGAAGTCTCCTCTC
Mouse <i>NFkB</i>	GGTGAAGGTCGGTGTGAAC	TGAGTGGAGTCATACTGGAACA
Mouse <i>Map2k3</i>	AGCACTTACCTACAGCCATAA	CAGAGACCGACAGGAACA
Mouse <i>Mapk14/p38</i>	AAGAGCCTGACCTATGATGAA	AGTGAAGTGAGATAGACAGAACA
Mouse <i>Map3k7</i>	ACGCTGTGGTCTAAGGA	AGGATACTGTAACGGCTCAT
Mouse <i>Hdac4</i>	CCATTGAGAGTGAGGAGGAA	GGCTTGCTGTCTGAAGAG
Mouse <i>Atf6</i>	TGCCAAGGAGAAGATACCA	CACAGCCACAGTCACATC
Mouse <i>Gapdh</i>	CTGAGTGGAGTCATACTGGAACA	GGTGAAGGTCGGTGTGAAC
Mouse <i>18S</i>	GGACAGGATTGACAGATTGATAGC	TGCCAGAGTCTCGTTCGTTA

**Table S2.** The primers used for plasmid generation.

<b>Primer</b>	<b>Forward (5'-3') Sequence</b>	<b>Reverse (5'-3') Sequence</b>
psiCHECK2	CCTAACACCGAGTTCGTGAAGGT	CCCGCGTCAGACAAACCCTA
Mouse MAP2K3 UTR	aattctaggcgatcgcTCAGGGGCTCCCAGCCAG	ttttattgcgccagcCTCTCAGGAAAGTCTTAGGAGATTCATCCC
Mouse MAP2K3 mutagenesis	aaaGGTACTGTCCCTGGATGCC	ttatTGGCCTGTCCAGAGAGAC
Mouse MAP3K7 UTR	aattctaggcgatcgcAGGTCTGCATCCTACAAC	ttttattgcgccagcGTAGAACAGGAATTAGTGAC