

Table S7: shRNA Targeting Sequences

Gene Target	
CREB #1	5'-CTAGACATTAGCCCAGGTATCTTGAAGTACTAGTGACATAGATACCTGGGCTAATGTTTTTTT-3'
CREB #2	5'-CTAGACGGTGCCAACTCCAATTTACAAGTACTAGTGAGTAAATTGGAGTTGGCACCGTTTTTTT-3'
ATF1	5'-CTAGAGTTTCAGGGAGCTCACATTTCAAGTACTAGTGAGAAATGTGAGCTCCCTGAACTTTTTTT-3'
PTEN	5'-CCGGTGGGCTTTAACTGTAGTATTTGTACTAGTCAAATACTACAGTTAAAGCCCTTTTTTTT-3'

Table S8: qRT-PCR Primers

Gene Target	FWD Primer	REV Primer
CREB1	5'-GGCAGACAGTTCAAGTCCATG-3'	5'-CGCTTTTGGGAATCAGTTACAC-3'
CLDN1	5'-ACAACCTCTTACCCAACACC-3'	5'-TCTCCTTTTGCCTCTGTGTC-3'
TWIST	5'-GGACAAGCTGAGCAAGATTCAGA-3'	5'-TCTGGAGGACCTGGTAGAGGAA-3'
GATA2	5'-GCAACCCCTACTATGCCAAC-3'	5'-AGTGGCGTCTTGGAGAAGG-3'
PPM1F	5'-ATTCAGGAAGTTGCCCAGG-3'	5'-CCCAAAGGCGGTTAAAGAAAC-3'
Necdin	5'-CTAATCCCCTACTGCCCACTAC-3'	5'-ATCCTGAATACTATAATGACCCACC-3'
PLK2	5'-AGAACCCTTGGAACACAGAAG-3'	5'-GGCCTCCCTAGTAACATTGTATAC-3'
BLIMP1	5'-GCCACATGACTTTTGCATCC-3'	5'-CAACAAAACACCACCCAGAC-3'
CHEK1	5'-TGGATTGGAGTTCAAGAGACAC-3'	5'-CCTGGGAGACAAGAGTGAAAC-3'
ING4	5'-TCGGAAGTTGCTTTGTTTTGC-3'	5'-GGTCCTCTGTTCTTTGGTCTA G-3'

Table S9: ChIP Primers

Gene Target	FWD Primer	REV Primer
ING4		
CRE1	5'-CTGTCGCGTTACAGTCACTT-3'	5'-TATTTCTGCCACAGAACCG-3'
ING4		
CRE2	5'-CCCTGCACGGATTACCATAC -3'	5'-CCGCCCTTACTATATTACCGC-3'
JFK		
CRE	5'-CATTCCACCCTCCACAGAAC -3'	5'-ATCTTCTCCACTCAAACGC-3'
JFK TIS	5'-GAAGGGGGACTTTGCTGGAT-3'	5'-TGGATATCGCCAAGGGGAG-3'
H3	5'-TCAGATTGTTCCCTTTCCGC -3'	5'-AGTTGTTAATGCTGGCCACT-3'