

**Table S3.** List the oligonucleotide primers used for qRT-PCR and ChIP analyses.

## qRT-PCR primers used in this study

Gene name	Forward primer (5'-3')	Reverse primer (5'-3')
MacroH2A1	tgggaagaagaactccacca	ccgtcccttcttgtgtctc
MacroH2A2	gttcagctagggcaggtgtc	caactgccagcaagatgtgt
C1R	atagaggggaaccaggtgct	tggtggtgtaacggaagtca
C1S	aagagcgttttacggggttt	aatctcccaatcagtgcat
CALB1	gacggaagtggftacctgga	tgccatactgatccacaaa
CBL	gttccctcaagtgtctctgc	aacagaatatggccggctctg
EML1	ctcactgggaggtggtttgt	cgtgtacttctcccgttgt
EPDR1	agattgaccaagccaccaag	gatgccaatccaggtttcat
MMP7	ggagtgccagatgttgagaatac	cgatcctgtaggtgaccactttgg
PCDH19	gaacatcatcgcgctgtcta	tcgacagtctcttgccttt
PROS1	cctagtgtctcccgtctcag	tttccgggtcattttcaaag
TGM1	actacggccagttgaccac	tcgggagtaatcaccagacc
HDAC1	ggaaatctatgcacctaca	aacaggccatcgaatactgg
HDAC2	ctgttaattgggctggagga	aattcaaggatggcaagcac
TRPC1	gatgcattccatcctacact	tacacagtcttctgtctct
TRPC2	tccattggcaagatgattga	atgagcatgttgagcagcac
TRPC3	caagaatgactatcggaagc	gccacaaactttttgacttc
TRPC4	ggacttcaggactacatcca	acgcagagaactgaagatgt
TRPC5	ccaccagctatcagataagg	cgaacaagccacttatacc
TRPC6	gctcatcctaaactgccaacagc	gtctgtgtcgtaaaccagaaagc
TRPC7	catagcctattggattgtctc	ggtagtctgtgaaggtttcg
GAPDH	ggcctccaaggagtaagacc	aggggagattcagtggtgtg
ACTB	tcaccgagcgcggct	taatgtcacgcacgatttccc

## ChIP primers used in this study

Gene name	Forward primer (5'-3')	Reverse primer (5'-3')	Position relative to TSS
TRPC3-A	accctgttggaggtcagatg	atggcagcctgaatgaagac	-4075 to -3842
TRPC3-B	cagccaaacacagcacattt	acaggaagggggactttcac	-2268 to -2038
TRPC3-C	ggtttcagtggttagtgtg	tcctccatggacctaataca	-102 to +13
TRPC3-D	tcccatcccctttccataca	tgggacaaaatgagcattga	+1930 to +1991
TRPC3-E	gagtgtcttgagtcccagtcg	ccagacttctgggttcaaa	+3879 to +4099
TRPC6-A	acgtggaaaattgagggtcca	atggactgagctgcttttgg	-4256 to -4130
TRPC6-B	tggccgaaataaaaatccag	cccagaaggaataaggtggtg	-2058 to -1945
TRPC6-C	accgectctgaaagttgtggcta	ttcatccccgcactctcctgc	-77 to +30
TRPC6-D	tcccaggttctcagctcta	cctgacacagcccatcta	+1600 to +1698
TRPC6-E	tgtggtgcccctgtgagtta	tccagtctctgcctcatct	+4056 to +4167

Gene name	Forward primer (5'-3')	Reverse primer (5'-3')	Position relative to TSS
TRPC1-A	acacagtgaaccccgtctc	cttgctctgcaccaggat	-4390 to -4233
TRPC1-B	gcagtggctcatgcttgtaa	gtttctccctgttggtcagg	-2010 to -1930
TRPC1-C	cagaggatgacgtgaggaca	cgagagatctgtgggagagg	-375 to -248
TRPC1-D	tcagtggaatatggttgagca	cccaaagccaagtctctcat	+1967 to +2061
TRPC1-E	atgattcagtcctgccaac	gctgagcccactgataaagg	+3684 to +3834
TRPC4-A	tgagaggaaaaagatattaggagca	gctattccccatttggtt	-4147 to -3931
TRPC4-B	accacgggttgatctcaaag	aacaaggaggaggagactgt	-2144 to -1984
TRPC4-C	tcagcagcgactaagggaat	cgaggcgacatcctctttac	+87 to +224
TRPC4-D	ccatggagaactacagccatc	tgatagacacagccatccaaa	+1890 to +2079
TRPC4-E	gggaaggcaggattgaagt	catgatggggacagttggtt	+3988 to +4200