

Table S1. qPCR primers

Amplified region	Forward sequence (5'-3')	Reverse sequence (5'-3')
β -Actin	ATGGATTCTTTGGCGTTGTC	TACGACCAGAGGCATACAGGGACAA
TATA-BP	TGTACCGCAGCTTCAAATATTGTAT	AAATCAACGCAGTTGTCCGTG
Mesp1	GTCTGCAGCGGGGTGTCTGTG	CGGCGCGCTCCAGGTTTCTA
Mesp2	CGCTGGCCATCCGCTACAT	CACCCCAGGACACCCCACTACT
Trop T2	GCGGAAGAGTGGGAAGACAGAC	GCACGGGCAAGGACACAAG
α -MHC	GCTGGGCTCCCTGGACATTGAC	CCTGGGCTGGATTCTGGTGAT
Mlc2v	ACTTCACCGTGTCTCAGCATGT	TCCGTGGTAATGATGTGGACCA
Mlc2a	AAGGGAAGGTCCCATCAACTTCA	AACAGTTGCTCTACCTCAGCAGGA
ANF	ACCCTGGGCTTCTTCTCGTCTT	GCGGCCCTGCTTCTCTCA
Kcne1	CTGGGCTTCTTGGCTTCTTCAAC	CTACGGCCGCTGGTTTTCAAT
CD31	AATGGCAACTGGAGGCGAGCACT	GGAGAAGGCGAGGAGGTTAGGT
GATA4	CCACGGGCCCTCCATCCAT	GGCCCCACGTCCTCAAGTC
Hand2	CCCGCCGACACAACTCTC	CCCCCGGCTCACTGCTCTC
Myocd	AGTGGGCCAGCATTTTCAACATC	CCCTCCCATTTTCCCAGCAAA
Nkx2.5	CTCCGATCCATCCCACTTTA	AGTGTGGAATCCGTCGAAAG
Mef2c	AGGCACCAGCGCAGGAATG	CCACCGGGTAGCCAATGACT
E-Cadh	CACCGGACCCTGCCTCTGA	CCTCCACCGCTTCCCATTG
Snai	GCCTGGGCGCTCTGAAG	AGGCCTGGCACTGGTATCTCT
Slug	CATTGCCTTGTGTCTGCAAG	AGAAAGGCTTTTCCCAGTG
Zeb1	GCCAGCAGTCATGATGAAAA	TATCACAATACGGGCAGGTG
Zeb2	CCAGAGGAAACAAGGATTTGAG	AGGCCTGACATGATGCTTGTG
Twist1	CGCCCCGCTCCTCTGCTCTA	GTCCGGCTCCTCTCGCTGTT
Twist2	AGGCGCATGCCGAACTGGAT	AAACACTTGGGCACTGGGTCAT
FoxC1	CCGGCCCTATGAGCGTGTA	CCTTCTGTCGGGGCATTCTGG
FoxC2	CAGAACGCGCCAGAGAAGAAGAT	CCGCGCCGCGCCAGGAAG
Vav3	GAAACTGAACTTATTAACAGGGTGAA	TTGATGTGTTTTGCTTATTATTGT
Fam40b	TGCCAGAGCTTACTACCGAGA	GGAGGTTGATGCAGGAAAAG
Kitl	CACGCGCTGCCGAAATG	CTGCTGCCACCAGGTTGACC
Myl1	TCTAAGGAGCAACAGGAGGACT	GGTGATCTTGCAATCACCTG
RhoJ	GATGAGCTACGCCAACGAC	CGCAGCTGGTTGTAATCCTC
Prickle1	ATGGATTCTTTGGCGTTGTC	TGACGGTCTTGGCTTGTCT
RhoB	CAGACTGCCTGACATCTGCT	GTGCCCACGCTAATTCTCAG
RasGRP3	TGCACCGATGGTATTATCTCT	CTCCACTGGCATTCCGATAC

Table S2. CHIP-qPCR primers

Amplified region	Forward sequence (5'-3')	Reverse sequence (5'-3')
PK1-A	CCCACCTTTATTAGTCAGCTTATCA	CGTGAGCTCTCAGAAAGCAG
PK1-B	TGGGAGCAAGCTGTCTTATCC	CAAGTGCTCAGTGGTCTCCC
PK1-C	CATGGGCTACAGGCATCCTT	TGCCGGTTTAGAGGGTGATG
PK1-D	AAGTGTGACCAATGCAGACC	GAATATCTTAAGTGTCCCAGTGGTG
RasGRP3-A	CCCTGGCTGTCTTGGAACTT	GCACTCCTTTAACCCAGCA
RasGRP3-B	TACCACCATGGCCCTAAGA	ATGCATGCTGAGTGACTTGC
Pdgfra	ATGTCACACATGGAAACCTTTAGCA	ACCCAGTTGCTCTTCTGGTAGTA
Ripply2	GATACAGTCGGGACCTCAGC	TAAAGTCCCAGCAAAAAGT
Ch3IN	TGTCTGGAATGTGGTGGTTTGA	GCCCACTGTATAATTAGGAAGGA