

Table S1. Primer Sequences**Real Time RT-PCR**

Gja5_F	CAGAGCCTGAAGAAGCCAAC
Gja5_R	GCAACCAGGCTGAATGGTAT
Gcom_F	TTGTGGACGTGACTTTGGAA
Gcom_R	ATTGGCTTCTTGCGATGACT
Lrtm1_F	ACCCTTGGATTTGTGACTGC
Lrtm1_R	AGAACCAGGCTGCTGGACTA
Gdf6_F	CAATGCCAGCTTTTTCCAGT
Gdf6_R	CCCACCAGCTCTTCTTTGTC
Fst_F	GCTCCTGCTGCTGCTACTCT
Fst_R	CCCGTTGAAAATCATCCACT
Aldh1a2_F	CCATGACTTCCAGCGAGAT
Aldh1a2_R	CAGGGAACACTCTCCCCTC
Tgfb2_F	CCGGAGGTGATTTCCATCTA
Tgfb2_R	GCGGACGATTCTGAAGTAGG
Ccne2_F	GGCATGTTACAGGAGGTTT
Ccne2_R	AATCCCAATGAGTTGAAGCA
E2F1_F	GACTCCTCGCAGATCGTCAT
E2F1_R	CAGCGAGGTACTGATGGTCA
Mki67_F	CAGACTTGCTCTGGCCTACC
Mki67_R	TGTCCACCAAAGGATACACG
Cenpk_F	CATTTTCTCTGCCTGAAGC
Cenpk_R	TATGGTGGCCAAAAGGAATC
Pbk_F	GTGGAAGTCCTTTTCCAGCA
Pbk_R	TTCATCCAATGGCAGAGAGA
Aurkb_F	AGGTCTGCAGGGAGAACTGA
Aurkb_R	ACGTCTCACTGTGGCTAGGG
Axin2_F	CGACCTCAAGTGCAAACCTCT
Axin2_R	CTGGATAACTCGCTGTCGTT
Myog_F	GAAGTGAATGAGGCCTTCG
Myog_R	ACGATGGACGTAAGGGAGTG
Mstn_F	GACAGCAGTGATGGCTCTTT
Mstn_R	TAGGAGTCTTGACGGGTCTG
Pax7_F	CTGGATGAGGGCTCAGATGT
Pax7_R	GGTTAGCTCCTGCCTGCTTA
Myh2_F	CAGAACAGAGACGGCTTCAT
Myh2_R	AGTTTCTCCCAAACATCGT
GAPDH_F	TGTCCGTCGTGGATCTGAC
GAPDH_R	GGTCCTCAGTGTAGCCCAAG

ChIP

GAPDH(-3kb)_F	TCCAGTGAGGACGGTATGAT
GAPDH(-3kb)_R	CATAAAGATGGGGCAAATG
Fst(-30kb)_F	CTTTGTGCCCGTTTGAAAAT
Fst(-30kb)_R	GAAAGTGCCGCAAAGAAGAG