Table S1. Primer sequences used in this study.

Gene name	Forward primer/reverse primer (PCR product size in bp)
Genotyping (W, wildtype allele; F, floxed allele)	
Klf5	5'-ACAGATTTGAGGCAGTTTGGC-3'/5'-GGGCCAACTCCTAAGTGTTGC-3' (283 for W, 349 for F)
Pten	5'-ACTCAAGGCAGGGATGAGC-3'/5'-GCCCCGATGCAATAAATATG-3' (987 for W, 1087 for F)
Cre	5'-CGGTCGATGCAACGAGTGAT-3'/5'-CCACCGTCAGTACGTGAGAT-3' (529)
Il-2	5'-CTAGGCCACAGAATTGAAAGATCT-3'/5'-GTAGGTGGAAATTCTAGCATCATCC-3' (324)
Realtime RT-PCR	
Klf5	5'-ACTGCCCTCGGAGGAGCTGG-3'/5'-ATGCTCTGAAATTATCGGAACTG-3' (91)
Pten	5'-GCCATCATCAAAGAGATCGTTAGCAG-3'/5'-CTCTGCAATTAAATTTGGCGGTGTC-3' (247)
Actin	5'-CCACACCCGCCACCAGTTC-3'/5'-CCTTCTGACCCATTCCCACC-3' (173)
Gapdh	5'-CCAGCCTCGTCCCGTAGACA-3'/5'-GCCGTTGAATTTGCCGTGAG-3' (190)
Cd24	5'-GCAACCACAAGTCCAATGTG-3'/5'-TTTCACGCGTCCTTTAATCC-3' (118)
Rab25	5'-GATGGGGAATCGAACAGATG-3'/5'-GGGACAGCAGATTGGTCTTG-3' (92)
Sprr1a	5'-CAGAGAACCTGCTCTTCTCTGAGT-3'/5'-TGAGGAGGTACAGTGCAGGG-3' (92)
Sprr2a1	5'-CTGCTCCGGAGAACCTGAT-3'/5'-ACAAGGCTCAGGGCACTTC-3' (117)
Cdh2	5'-AGAGGCCTATCCATGCTGAG-3'/5'-AGCAGCTTTAAGGCCCTCAT-3' (98)
Cdh5	5'-TCATCAAACCCACGAAGTCC-3'/5'-GGTCTGTGGCCTCAATGTAGA-3' (72)
Gata2	5'-GCAGAGAAGCAAGGCTCGC-3'/5'-CAGTTGACACACTCCCGGC-3' (51)
Sox2	5'-CGAGATAAACATGGCAATCAAATG-3'/5'-AACGTTTGCCTTAAACAAGACCAC-3' (234)
Ppargamma	5'-ACAGACAAGATTTGAAAGAAGCGGTGA-3'/5'-TCCGAAGTTGGTGGGCCAGA-3' (161)
Hif3a	5'-AGAGACCGGAGTGGTGCTGT-3'/5'-ATCAGCCGGAAGAGGACTTT-3' (301)
Aldh1a1	5'-ACAAGGTGGCCTTCACTGGA-3'/5'-GCAAACACAATGCAAGGGCT-3' (121)
Aldh1a2	5'-TGGGTGAGTTTGGCTTACGG-3'/5'-AGAAACGTGGCAGTCTTGGC-3' (121)
Cd80	5'-GGCAAGGCAGCAATACCTTA-3'/5'-CTCTTTGTGCTGCTGATTCG-3' (94)
Upk2	5'-GACAGCAGACCAGAGAGGCT-3'/5'-ACACTGCCTGTCCAGACCTT-3' (101)
Klf8	5'-CAAGCCATTATGGTGCCTAC-3'/5'-ATAGAGCCCGGAGTGAGAAC-3' (77)
Ccnd2	5'-AAGCCTGCCAGGAGCAAA-3'/5'-ATCCGGCGTTATGCTGCTCT-3' (78)
Egf	5'-TCTGGGTCAATCCGAGAGAT-3'/5'-TCGAGAGAAGCGAGAGAAGC-3' (91)
Krt23	5'-TGTCAATGAGCACGACAATG-3'/5'-CCCAGCCACAGAAAGGATTA-3' (109)
Hdac9	5'-TCCTGGAGAAGCAGAAACAATA-3'/5'-GCTTCAGTTGTTCAATAGATTTCG-3' (78)
Mmp13	5'-ATGGTCCAGGCGATGAAGACCCC-3'/5'-GTGCAGGCGCCAGAAGAATCTGT-3' (140)
Elf3	5'-GGCCCTCATGGCTGCCACCT-3'/5'-TTGGGATCTTGTCTGAGGTCCTGGA-3' (187)
Dgat2	5'-GATCGCAGTGGGTGCGAAAC-3'/5'-ATGCCATGGGGGTGGTATCC-3' (127)
Muc4	5'-GAGGGCTACTGTCACAATGGAGGC-3'/5'-AGGGTTCCGAAGAGGATCCCGTAG-3' (155)
Muc1	5'-CCCTACCTACCACACTCACGGACG-3'/5'-GTGGTCACCACAGCTGGGTTGGTA-3' (126)
Krt7	5'-CCATTCCGTCTCCAGACAAC-3'/5'-AGCTCCTGAACACCAAGCTG-3' (96)
Mmp12	5'-TGGAATATGACCCCCTGTTC-3'/5'-GCCTCTGAACCATGCACTTT-3' (304)
Spp1	5'-AGCAAGAAACTCTTCCAAGCAA-3'/5'-GTGAGATTCGTCAGATTCATCCG-3' (134)
Tspan8	5'-CTAGGAGCCGCTTTCAAACC-3'/5'-CAGCACTTGAACTCCGACTGA-3' (143)
Ltf4	5'-ATGCAACATTTCCTGCCTTC-3'/5'-AATCCAATCTCTGTGCCCTG-3' (132)
Muc20	5'-AGTGACTCACGAGCCATCTG-3'/5'-ACCTCCCACTTCAAGTACCG-3' (197)
Krt4	5'-GATGAAGGACGCGAATTTGT-3'/5'-GAGCCTGCTGACACCTCTTC-3' (109)
Psca	5'-GCTCACTGCAACCATGAAGA-3'/5'-GCTAAGTAGGTGGCCAGCAG-3' (54)
Muc19	5'-TTTGTGACTGTCCCATCACG-3'/5'-AATGGTCAGACGGGATCGT-3' (101)
KLF5*	5'-AAGGAGTAACCCCGATTTGG-3'/5'-CAGCCTTCCCAGGTACACTT-3' (147)
EGF*	5'-CAACCAGTGGCTGGTGAGGA-3'/5'-GAGCCCTTATCACTGGATACTGGAA-3' (158)
GAPDH*	5'-GTGGTCCAGGGGTCTTACTC-3'/5'-TTCAACAGCGACACCCACTC-3' (167)

Note: * indicates a human gene.