### Supplementary Table 2: Primer sequences for qRT-PCR.

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| RT-PCR primer | species | sequence (5’-3’) |
| Axin2\_fwd | mouse | AGTCAGCAGAGGGACAGGAA  |
| Axin2\_rev | mouse | CTTCGTACATGGGGAGCACT  |
| ChgA\_fwd | mouse | AGAAGTGTTTGAGAACCAGAGCCC |
| ChgA\_rev | mouse | TTGGTGATTGGGTATTGGTGGCTG |
| EphB2\_fwd | mouse | ACTATGAGAAGCAGGAGCTCAGT |
| EphB2\_rev | mouse | GCTCAAACCCCCGTCTGTT |
| EphB3\_fwd | mouse | TTCACGACAGTGGGTGACTG |
| EphB3\_rev | mouse | CGTTGGAGCTGAGTGTCAGA |
| Gapdh\_fwd (Heuberger *et al*, 2014) | mouse | AAATGGTGAAGGTCGGTGTGAACG |
| Gapdh\_rev (Heuberger *et al*, 2014) | mouse | TGATGACAAGCTTCCCATTCTCGG |
| Gata4\_fwd | mouse | AAACGGAAGCCCAAGAACCT |
| Gata4\_rev | mouse | ACACAGTACTGAATGTCTGGGA |
| Gob5\_fwd (Heuberger *et al*, 2014) | mouse | TGAAATTGTGCTGCTGACCGATGG |
| Gob5\_rev (Heuberger *et al*, 2014) | mouse | TGCTGCGAAAGCATCAACAAGACC |
| Hes1\_fwd | mouse | TGGAAATGACTGTGAAGCACCTCC |
| Hes1\_rev | mouse | TTGATCTGGGTCATGCAGTTGGC |
| Itf\_fwd | mouse | TGGGATAGCTGCAGATTACGTTGG |
| Itf\_rev | mouse | TTTGAAGCACCAGGGCACATTTGG |
| Klf4\_fwd | mouse | TTAGGCTGTTCTTTTCCGGGGCCACGA |
| Klf4\_rev | mouse | TTAGGCTGTTCTTTTCCGGGGCCACGA |
| Krt20\_fwd | mouse | AACTGGCAATGCAGAACCTGAACG |
| Krt20\_rev | mouse | TAGCATTGTCAATTCGCAGGACGC |
| Lyz\_fwd (Heuberger *et al*, 2014) | mouse | GCAGCCATACAATGTGCAAAGAGG |
| Lyz\_rev (Heuberger *et al*, 2014) | mouse | TTTGCCCTGTTTCTGCTGAAGTCC |
| Math1\_fwd (Shroyer *et al*, 2005) | mouse | ATGCACGGGCTGAACCA |  |
| Math1\_rev (Shroyer *et al*, 2005) | mouse | TCGTTGTTGAAGGACGGGATA |
| Mll1\_fwd | mouse | TGAGCTGCAGATGACTGGTTA |
| Mll1\_rev | mouse | CCAGAGCATCAGAGGAGAGC |
| Mmp7\_fwd | mouse | AGGAGTGAACTTCCTGTTTGCTGC |
| Mmp7\_rev | mouse | TTCTGAATGCCTGCAATGTCGTCC |
| Muc2\_fwd (Heuberger *et al*, 2014) | mouse | TGTGATGCCAATGACAAGGTGTCC |
| Muc2\_rev (Heuberger *et al*, 2014) | mouse | ACCACAATGTTGATGCCAGACTCG |
| Neurog3\_fwd | mouse | ACGCAATTTACTCCAGGCGA |
| Neurog3\_rev | mouse | GAGGCGCCATCCTAGTTCTC |
| Spdef\_fwd (Heuberger *et al*, 2014) | mouse | AACATGTATCCCGACGATAGCAGC |
| Spdef\_rev (Heuberger *et al*, 2014) | mouse | TCAATATCTTTCAGGACCTCGCCC |
| Syp\_fwd | mouse | TTGGCTTCGTGAAGGTGC |
| Syp\_rev | mouse | CTGCCGCACGTAGCAAAG |
| MATH1\_fwd | human | CAGCTGCGCAATGTTATCCC |
| MATH1\_rev | human | TTGTAGCAGCTCGGACAAGG |
| GAPDH\_fwd | human | AAGGTGAAGGTCGGAGTCAA |
| GAPDH\_rev | human | AATGAAGGGGTCATTGATGG |
| GATA6\_fwd | human | TGCCAACTGTCACACCACAA |
| GATA6\_rev | human | CATAGCAAGTGGTCTGGGCA |