**TABLE S3**

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| Gene Symbol | Genebank ID | Forward Primer | Reverse Primer |
| *Dsg4* | NM\_181564 | 5’-AACCTGGCAGACTGTCAGAAG-3’ | 5’-GTAAGGTGGCCGATCAATCCC-3’ |
| *Sfrp2* | NM\_009144 | 5’-CGTGGGCTCTTCCTCTTCG-3’ | 5’-ATGTTCTGGTACTCGATGCCG-3’ |
| *Gprc5d* | NM\_053118 | 5’-TACCATATTGCTACTCCTGGCA-3’ | 5’-AGGCAAAAGTAAGTCCGAAGAG-3’ |
| *Hr* | NM\_021877 | 5’-CCCCTGTGAACGGCATTGT-3’ | 5’-CCCCTCCAAAAGGGAGCAG-3’ |
| *Tgfb2* | NM\_009367 | 5’-TCGACATGGATCAGTTTATGCG-3’ | 5’-CCCTGGTACTGTTGTAGATGGA-3’ |
| *Ptch2* | NM\_008958 | 5’-CTCCGCACCTCATATCCTAGC-3’ | 5’-TCCCAGGAAGAGCACTTTGC-3’ |
| *S100A3* | NM\_011310 | 5’-CAGTAGCTGCCATCGTGTG-3’ | 5’-TACTCCCCAAAGTCCACTTCG-3’ |
| *Lgr5* | NM\_010195 | 5’-CACCCCAATGCGTTTTCTAC-3’ | 5’-GATGGTATCAGGCTCTGTAAGG-3’ |
| *Psors1c2* | NM\_020576 | 5’-TCTCCCGGATCTACAGACACC-3’ | 5’-GGAGGTTCATCAAACAAAGGAGG-3’ |
| *Igf1r* | NM\_010513 | 5’-GTGGGGGCTCGTGTTTCTC-3’ | 5’-GATCACCGTGCAGTTTTCCA-3’ |
| *Ltbp1* | NM\_019919 | 5’-TGCCAGAACGGAGGGATGT-3’ | 5’-GGTTGACGTATGTTTTGCTGC-3’ |
| *Rhoc* | NM\_007484 | 5’-ATGGCTGCGATCCGAAAGAAG-3’ | 5’-GCACGTAGACCTCTGGAAACT-3’ |
| *Ctgf* | NM\_010217 | 5’-GGGCCTCTTCTGCGATTTC-3’ | 5’-ATCCAGGCAAGTGCATTGGTA-3’ |
| *Tyr* | NM\_011661 | 5’-CTCTGGGCTTAGCAGTAGGC-3’ | 5’-GCAAGCTGTGGTAGTCGTCT-3’ |
| *Crnn* | NM\_001081200 | 5’-AGAAACTTGTCCCATCCTGC-3’ | 5’-CTCTTCAACTCCTGCCTCG-3’ |
| *Krt31* | NM\_010659 | 5’-GGTGCAGATAGATAATGCCAAGC-3’ | 5’-AGCTCATCCAAGATCCTTCGC-3’ |
| *Krap3-3* | NM\_025524 | 5’-GCTCCCTTGCTTGGCACCAGT-3’ | 5’-TCCGAACTGCACACGGTCGGTA-3’ |

**Sequences of Primers Used for qPCR Experiments**