

Table S1. Oligonucleotide primer sequences used to prepare RNA probes for in situ hybridization

Gene	Forward Primer	Reverse Primer
<i>cldn5a</i>	5'-GAAGGTGACGGCGTTCATCG-3'	5'-GAAGGTGACGGCGTTCATCG-3'
<i>foxj1a</i>	5'-TGCCGAAGCCACAATGTTTG-3'	5'-TGGTTCGACAAGAGCCACTC-3'
<i>shha</i>	5'-TATGAAGGCCGGGCCGTGGA-3'.	5'-CCGGGTACGACGTTGCTCGC-3'
<i>bmp4</i>	5'-CTCCCAGCACCACGTAACAT-3'	5'-CAGGTGTAGCACCTCCAAGG-3'
<i>ptch2</i>	5'-GTCGATGCAGAACGCAGTGA-3'.	5'-CAGGGTCCGGCTGTGAATGTC-3'
<i>c1orf127</i>	5'-GGTGGTCGCACTGGAAGATG-3'.	5'-GGGTGACTTGTCTCCATAGTCC-3'
<i>dand5</i>	5'-TTGTTCTGGTCGTGTTCTGG-3'	5'-CGGCTCAGAAATACGCTGGG-3'
<i>spaw</i>	5'-TTTAACGTGACCGCTCTGCT-3'	5'-TGCATGTAGGCGTGATTGGT-3'

Table S2. Oligonucleotide primer sequences used for qRT-PCR

Gene	Forward Primer	Reverse Primer
<i>foxj1a</i>	5'-CTGCTACTTCCGCCATGCTG-3'	5'-CTTTCCTGGCTCGTCTTTCT-3'
<i>shha</i>	5'-AATTCCGAGCGCTTCAAGGA-3'	5'-AGCTTGTCTTTGCACCTCTGT-3'
<i>bmp4</i>	5'-GGAGCGCAAGAGGTCAACTT-3'.	5'-CCAGTCATGTATGGCCCGTC-3'
<i>ptch1</i>	5'-GTGTGTCCATCAACTCTTCTCAA-3'	5'-GACACGCATAGGCAAGCATAA-3'
<i>gli1</i>	5'-ATCAACCAAGCAAAGGTCTGG-3'	5'-GGATGGGTTGTACATTGCTCTG-3'
<i>nkx2.1</i>	5'-GGAACCTGGGCAACATGAG-3'	5'-GAACCCATGAAACGAGAGATTGT-3'
<i>dand5</i>	5'-TCCCCTTCACCCAGCGTATT-3'	5'-GAGGTGCAGTGTCCGAAACA-3'
<i>spaw</i>	5'-TCAAACCCACCAATCACGCC-3'	5'-TAGAGAGCGAGCTGAGACGG-3'
<i>rp21</i>	5'-CATGCCTCACAAGTGCTACC-3'	5'-TTTGCCAGGATTTTGCCCTTG-3'