**Supplementary Table S6.** List of primers.

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| Gene | Forward Primer (5'→3') | Reverse Primer (5'→3') |
| ***For in situ hybridization in X. laevis*** | | |
| *pitx2 \_S* | GCTGCAGGAGCTGGAAG | TAATACGACTCACTATAGGGAGAGGCTGCATCAGTCCATTG |
| ***For RNA-Seq validation*** | | |
| *SEPT10* | CCAGTGATTGCCAAAGCAG | CCGACTTTTACCTCATCCATAC |
| *PCDHGC3* | CCGATGTGGGAAGCAACTC | CGCGTCCAGCACCTTG |
| *RPS18* | CAACATCGATGGGCGGC | CCCGCCCTCTTGGTGAG |
| *CCZ1* | CATGAGTGCGGCTGTGTG | GGCGAGATTCATGTGGTTGAAG |
| *SLFN12L* | GGAGCTTGGAAACCTCTGGTC | GCCAAGGCTTCCATGTTACTTTC |
| *RPS3A* | GGCATGGATCTTACCCGTG | GTCTGCACCTCTCGGGTC |
| *GTSF1* | GGAAGAAACTTACACCGACTCC | GGCTCCTGGTTTGGTTGAC |
| *IL32* | CTGGGGAGAGCTTTTGTGAC | GGGGTTCAGAGCACTTCTG |
| *ARHGAP44* | GGTGGCAGCAGACTTCC | CAGGCCTCCTGTTGTGC |
| *GOLGA8B* | GGGTTCTCGAGCCGCAG | CCACTGGGCCCTCTCTC |