

**Table S1. Primers (5' to 3') used for PCR analyses**

Gene	Forward primer	Reverse primer
<i>ActR1l</i>	GTCACACAGCCTACGTCGAA	TTGAGTTGGAACGAGCACAG
<i>ActR1lb</i>	ATGTGCCGTGGTGTCTGGT	GACCTCCTGATCAGGGATAC
<i>Afp*</i>	GCCCAGACATACGAAGAAAACA	TCTCTTTGTCTGGAAGCATTCT
<i>Alk4</i>	GTGGTGACGTGGCTGTGAAA	TTTGGAGCAATGTCTATGGT
<i>Alk5</i>	GTCCGCAGCTCCTCATCGT	GACAGTGCGGTTATGGCAGAT
<i>Alk7</i>	TGGGGGACGAAATCATCAAG	GCGCACCTGCACCCCTCCAA
<i>Cer1</i>	TATGTGATGCCCCGACTGTA	GGGCACAGTCTGCAGGTCT
<i>Cer1*</i>	AAGTGGAGAGATCACCTCTA	GACACTCTTCGACTTGCATC
<i>Cripto</i>	ATGGACGCAACTGTGAACATGATGTTCCGA	CTTTGAGGTCCTGGTCCATCACGTGACCAT
<i>Cryptic</i>	CACCAACCCAGGGTATCAGTT	AGAGTTCTGTCCAGTGTCTGC
<i>Foxa2</i>	CCCTACGCCAACATGAACTCG	GTTCTGCCGGTAGAAAGGGA
<i>Foxh1 F</i>	ATCCGTCAGGTCCAGGCAGTG	CTTGCGCAAAGCTCTGTG
<i>Gata6</i>	ACCTTATGGCGTAGAAATGCTGAGGGTG	CTGAATACTTGAGGTCAGTGTCTCGGG
<i>Gata6*</i>	CGGGCGCAGGCAGTGAGT	CCAAGCCGCGTGATGAAGG
<i>Gdf1 F</i>	GTTGCGGCTGGAGGCTGAGAG	CCCCTGGACCACTTCTACC
<i>Gdf3 F</i>	GTTCCAACCTGTGCCTCGCGTCTT	AGCGAGGCAATGGAGAGAGCGGAGCAG
<i>hHex</i>	GTTCTCCAACGACCAGACCG	GGAGGGTGAACACTGCGAAC
<i>Hnf4a*</i>	ACACGTCCCCATCTGAAGGTG	CTTCCTTCTCATGCCAGCCC
<i>Lefty1</i>	AACCTTCGAGAGGTGGCAGG	GCCTTCCAGCCGCACTCGTG
<i>Nodal F</i>	AAGACCAAGCCACTGAGCAT	GCCTTTGCACACAATTTCAA
<i>Sox2 F</i>	GGTTACCTCTTCTCCCACTCCAG	TCACATGTGCGACAGGGGCAG

\*Primers for real-time PCR.