

Table S1. Primers for PCR amplification of genes to generate antisense probes for in situ hybridization

Gene	Gene ID	Forward primer	Reverse primer	Product (bp)
<i>vmhc</i>	NM_001112733	CTGCACTCCCAGAACACAAG	TCAACCAGATCTTGCAGACG	461
<i>tgfb1</i>	NM_182873	TGCAGGATGAGGATGAGGAC	CTGTGTACCCGCAATCCTTG	780
<i>tgfb2</i>	NM_194385	ACGCCAAAGAAGTGCACAAG	CTGTCCGTATCTGTGGAGCG	762
<i>tgfb3</i>	NM_194386	AACCTGAGCACCTCCAGGAC	GCTGCACTTGCAGGATTG	765
<i>activin-βA</i>	NM_130916	GGGATCCTCCTGCTGCTAAT	AGTGGAAAGGACAGCGAGTTG	991
<i>activin-βB</i>	NM_131068	AAGATTCGGGGAGAATGGAC	GTTAGGCACGTCACGTTTGA	1004
<i>alk4</i>	NM_130990	CAACAGCATCAACCTCCAGA	CGGCACCAGGTCATAGTAGG	1000
<i>alk5a</i>	NM_001037683	TCGTGTGCCAAGTGAAGAAG	CATGATCTTGCCATCACAC	946
<i>alk5b</i>	NM_001115059	GGTGTGTGTGCTGTGTTCC	ACTGACGGGTCTGACTGGAC	915

To generate antisense probes, the reverse primers were synthesized with addition of the promoter for T3 polymerase.