

Table S1 Primers of genes for in situ hybridization

Gene name	Accession no.	Sense primer	Antisense primer	Size of PCR product (bp)
Wnt5a	XM_005669660.1	ctggcaggacttttcaagg	cgcgctgtcatacttctct	606
Wnt3a	XM_003123621.2	cgtttctgccggaactatgt	agaggcgctgtctacttgt	558
Dkk1	NM_001145384.1	tggcaacaagtaccaaacga	tgggaaccttttctctgtg	480
$\beta$ -catenin	NM_214367.1	ggtccatcagctttcaaaa	ctgaacaagggtccaagaa	700
Axin2	XM_005668670.1	gaggagaaaatgcgtggata	tgggtgagagttgcacttg	440
Lef1	NM_001129967.1	tcacctgaagaggaagggtg	cccgtgatgggatatacagg	543
Tcf4	XM_005659484.1	ggctacccttctcaaaacc	gacgacccttgctccatta	700

Table S2 Primers of genes for RT-PCR

Gene name	Accession no.	Sense primer	Antisense primer
Wnt5a	XM_005669660.1	ctggcaggacttttcaagg	gagggttatccaccgtgct
Wnt3a	XM_003123621.2	agtactcatccctggggaca	ggaactgggttggcactct
Dkk1	NM_001145384.1	ggggaaattgaggaaacat	gtggcacagtctgatgatcg
$\beta$ -catenin	NM_214367.1	acatggctatggagccagac	ttgggtggtatccacatcct
Axin2	XM_005668670.1	gaggagaaaatgcgtggata	ggtttcagctgctggagac
Lef1	NM_001129967.1	ggaagggtgacttagccgaca	ctttccgtcatcagggtgtt
Tcf4	XM_005659484.1	taatggagcaaagggtcgtc	cctggttgggacaagagaa
Gapdh	NM_001206359.1	tcctgggctacactgaggac	ccctgttgcgttagccaaat