

Table S1. Sequence specific primers used for pmirGLO and 3'-UTR amplification of the SMAD7 and ACVR2A gene harboring binding site for miR-424-5p and miR-503-5p

Accession number	Genes	Primer sequence	Size (bp)
FJ376737	pmirGLO	F: 5'-GCAAGATCGCCGTGTAATTC-3' R: 5'-CTTTCGGGCTTTGTTAGCAG-3'	107
XM_005224232.3	SMAD7- miR/424-503	F: 5'-GCAT <u>GAGCTC</u> AGCAGGCCACACTTCAA R: 5'-ATG CTCGAG GGACGAGAAGAAGAAAACCAACC	138
NM_174227	ACVR2A- miR-424	F: 5'-GCG <u>GAGCTC</u> TTGCATTTGCTGTTGTGTTTCT-3' R: 5'-TAT CTCGAG TAGCAACCGTGGAAGTGGAGG-3'	201
NM_174227	ACVR2A- miR-503	F: 5'-TAG <u>GAGCTC</u> CACACACTGAGAAACAGGACTCT-3' R: 5'-TAT CTCGAG CCTTGATTTGGAGAGGGCCA-3'	217

Underlined: SacI recognition site (GAGCT|C). Bold: XhoI recognition site (C|TCGAG)

Table S2. Sequence specific primers used for analysis of the relative expression of genes

Accession number	Genes	Primer sequence	Product size (bp)
NM_173979	β -ACTIN	F: 5'-TGTCCACCTTCCAGCAGAT-3' R: 5'-TCACCTTCACCGTTCCAGT-3'	249
NM_001034494	PCNA	F: 5'-CACCAGCATGTCCAAAATAC-3' R: 5'-CTGAGATCTCGGCATATACG-3'	192
NM_174189	STAR	F: 5'-AAATCCCTTTCCAAGGTCTG-3' R: 5'-ACCAGCATTTCTGCTACTGC-3'	204
NM_001192865.1	SMAD7	F: 5'-GTGGCATACTGGGAGGAGAA-3' R: 5'-TTGTTGTCCGAATTGAGCTG-3'	128
NM_174227	ACVR2A	F: 5'- CAGAGAAACGAGGCACCAGT-3' R: 5'- GGCCATCTTTTAGGCCAGGT-3'	186