

SUPPLEMENTARY TABLES

Supplementary Table 1. The biological significance gene lists.

Gene ID	P value	P value summary
BIRC2	0.0113	*
CCND1	0.0444	*
CDKN1B	0.006	**
CFLAR	0.032	*
DLC1	0.0305	*
GADD45B	0.0338	*
IGFBP3	0.0031	**
ITGB1	0.0409	*
KDR	0.0081	**
PTGS2	0.0055	**
SMAD6	0.0121	*
SMAD7	0.0018	**
TGFA	0.0385	*
TGFB1	0.0057	**
TGFBR2	0.001	**
TNFRSF10B	0.0058	**

Supplementary Table 2. Primers used for vectors.

Name	Sequence (5'-3')
SMAD7-Flag (PGIPZ2a)-F	GAAAACCCTGGACCCATGGCTAGCATGGA
SMAD7-Flag (PGIPZ2a)-R	TTACAAGGATGACGATGACAAGTTCAGGACCAAACGATCT
SMAD7-sgRNA (LentiCrispr v2)-F	GGGAGAGGGGCGGAATTTGCGGCCGCCTACCGGCTGTTGAAGAT
SMAD7-sgRNA (LentiCrispr v2)-R	CACCGGGGAGCGAGTAGGACGAGGG
	AAACCCCTCGTCTACTCGCTCCCC

Supplementary Table 3. Primers used for qPCR.

Gene	Sequence (5'-3')
SMAD1-F	ACCTGCTTACCTGCCTCCTGAA
SMAD1-R	AACGCTTCACCCACACGATTG
SMAD2-F	ATGTCGTCCATCTTGCCATT
SMAD2-R	TCCATTCTGCTCTCCTCCAC
SMAD3-F	CCAGTGCTACCTCCAGTGTT
SMAD3-R	CTGGTGGTCGCTAGTTTCTC
SMAD4-F	GCTGCTGGAATTGGTGTGATG
SMAD4-R	AGGTGTTTCTTTGATGCTCTGTCT
BIRC3-F	AAGCTACCTCTCAGCCTACTTT
BIRC3-R	CCACTGTTTTCTGTACCCGGA