

Table SI. Primer sequences.

Gene	Direction	Sequence, 5'-3'
miR-424-5p	Forward	CAGCAGCAATTCATGTTTTGAA
	Reverse	Provided in the qPCR Kit (cat. no. FP411; Tiangen Biotech Co., Ltd.)
U6	Forward	GCTTCGGCAGCACATATACTAAAAT
	Reverse	Provided in the qPCR Kit (cat. no. FP411; Tiangen Biotech Co., Ltd.)
SMURF1	Forward	CTGGCAAGCGGTGGAGAC
	Reverse	CCGGTTAAAGCAGGTATGGG
GAPDH	Forward	CTCCTCCACCTTTGACGCTG
	Reverse	TCCTCTTGTGCTCTTGCTGG

miR, microRNA; SMURF1, SMAD-specific E3 ubiquitin protein ligase 1; qPCR, quantitative PCR.

Table SII. Sequences of the miRNA mimics, inhibitors and shRNA.

miRNA/shRNA	Direction	Sequence, 5'-3'
miR424-5p mimics	Sense	CAGCAGCAAUUCAUGUUUUGAA
	Anti-sense	CAAAACAUGAAUUGCUGCUGUU
miR424-5p mimics nc	Sense	ACGUGACACGUUCGGAGAATT
	Anti-sense	UUCAAAACAUGAAUUGCUGCUG
miR424-5p inhibitor	Sense	UUCAAAACAUGAAUUGCUGCUG
	Anti-sense	-
miR424-5p inhibitor nc	Sense	UUCUCCGAACGUGUCACGUTT
	Anti-sense	-
sh-SMURF1-1	Sense	CCGAAGGCTACGAACAAAGAA
	Anti-sense	-
Sh-SMURF1-2	Sense	CTGGAGGTTTATGAGAGGAAT
	Anti-sense	-

miR, micro RNA; nc, negative control; sh, short hairpin; SMURF1, SMAD-specific E3 ubiquitin protein ligase 1.