

Table S1: specific small inference RNA sequences and microRNA sequence are as following.

Gene	sequence (5'→3')
Negative control	Sense:UUCUCCGAACGUGUCACGUTT Anti-sense:ACGUGACACGUUCGGAGAATT
VEGFA siRNA	Sense:GCGAGGCAGCUUGAGUUAATT Anti-sense:UUAACUCAAGCUGCCUCGCTT
Negative control	Sense:UUCUCCGAACGUGUCACGUTT Anti-sense:ACGUGACACGUUCGGAGAATT
Smad4 siRNA	Sense:CACCAGGAAUUGAUCUCUCAGGAUU Anti-sense:AAUCCUGAGAGAUCAAUCCUGGUG
MiR-361-5p mimic NC	UUGUACUACACAAAAGUACUG
MiR-361-5p mimic	UUAUCAGAAUCUCCAGGGGUAC
MiR-361-5p inhibitor NC	CAGUACUUUUGUGUAGUACAA
MiR-361-5p inhibitor	GUACCCUGGAGAUUCUGAUAA

Table S2: qRT-PCR primers were as following:

Gene	Accession No.	Primer sequence (5'→3')	Size (bp)	Annealing temperature (°C)
VEGFA	XM_013977975.1	F: ATTTCTGAAGGTAAAGATGCA R: CAGCCCCACAGAGGGTCTCA	117	60
KDR	XM_003128987.6	F: CCCAGTGAGACTCTGTGCG R: CAGGTGTCATAGCGGAAGAAC	275	60
GAPDH	AF017079	F: CGTGTCGGTTGTGGATCT R: CTCAGTGTAGCCCAGGAT	120	60
BCL2	AB271960	F: TTCTTTGAGTTCGGTGGGG R: CCAGGAGAAATCAAATAGAGGC	195	60

BAX	AJ606301	F: GATGCCTTTGTGGAGCTGTATG R: CCCGTGGACTTCACTTATGG	154	60
Smad4	NM214072	F:ATTGGTGTTCATTGCCTAC R:TGGTCACTAAGGCACCTGAC	250	60
MiR-361-5p		F:CGCGCTAGCAGCACGTAAAT R:GTGCAGGGTCCGAGGT		60
Pre-miR-361-5p	NR029848.1	F:CAGGGGTACTTATAATTTGAAA AAG R:AGGAGGAGGAAGCAAATCA	72	60
U6		F:CGCTTCGGCAGCACATATAC R:TTCACGAATTTGCGTGTCAT		60
MiR-361-5p		GTCGTATCCAGTGCAGGGTCCGA GGTATTGCGACTGGATACGACCG CCAAT		Stem-loop structure for RT

Table S3: Plasmid construction primers are as following

Gene	Primer sequence (5'→3')	Size (bp)	Annealing temperature (°C)
VEGFA	F: ATTTCTTGAAGGTAAAGATGCA R: CAGCCCCACAGAGGGTCTCA	184	56
MiR361 promoter	F:GAGCTCTAACAAGAGTCTAGGGCAGTG R:CTCGAGATGGTTCCTGCTCTAATC	182	61
PcDNA3.0-Smad4	F:ATGGACAATATGTCTATTAC R:TCAGTCTAAAGGCTGTG	1948	58