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Supplemental Information

circRNA.33186 Contributes to the Pathogenesis of Osteoarthritis by Sponging miR-127-5p

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Supplementary Table S1 Base sequence of circRNA.33186.

>circRNA.33186-536nt

gagctacagcaaatgaagtgagatgtaaaacttctgaagcagaaggcagccaggcttggaggtgagtttcagcttcagtc
aggctactttccagtacatgaaacagatgacagaatggaccagcagcctgcttaactccccatctcttctgcacgctcagc
tggatgttgttgaagttgatgttgtttcagctggagtgctgagaaaagaaaggcaagtggttcttgttcttcttcttcttc
tctctcgtcctcttcttcttattctgtttcaagaaagatgggacaagcaggaaacacatgtagaccggcaaagaagac
acatccagcgtgactgtatcaggccccgagacagagaatcagacaggccagactctgcagaacaactcactaacagctg
agctcctgagcgatgtgcccttcaccctggccccacatgtgctggcggcacaggccaccatcagcgaccttctgaccac
gtacttcatacagatgtcggcgacaactgtcccgattctg

The letters maked red and green indicate back splice junction.

Supplementary Table S2 primers used for qRT-PCR in this study.

	Forward primer	Reverse primer
circRNA.33186	ACTAACAGCTGAGTCCTGA	CATTTGCTGTAGCTCCAGAATC
	CCTTCCTGACCACGTACTCTC	CGCTGCCTTTTCCTTACCTC
	TGAGCTCCTGAGCGATGTG	CGCCGACATCGTATGAGAGT
	TCACTAACAGCTGAGTCCTG	TCGCCGACATCGTATGAGAG
	CCAGGCTTTGGAGGTAAGGA	CGTGTGAGTTGTTGCTGTGAA
	TGGAGGTAAGGAAAAGGCAGC	AGTTGTTGCTGTGAATCAGCC
miR-127-5p	GCCGAGCTGAAGCTCAGAGG	CTCAACTGGTGTCTGTGGA
Col2a1	ACCTTGACGCCATGAAA	GTGGACAGTAGACGGAGGAA
MMP-13	GGAAGACCCTCTTCTTCTCT	TCATAGACAGCATCTACTTTGTT
GAPDH	TACCCCAATGTGTCCGTC	GCCCAAGATGCCCTTCAGT
U6	CTCGCTTCGGCAGCACATATACT	ACGCTTCACGAATTTGCGTGTC

Supplementary Table S3 sequence of siRNA targeting circRNA.33186.

	Sequence
si-RNA1	CUGGAGCUACAGCAAUAAG
si-RNA2	ATTCUGGAGCUACAGCAAUG
si-RNA3	TCUGGAGCUACAGCAAUGA