

Supplementary

Table S1 Primer sequences for qRT-PCR

Gene name	Sequences
RELA	
Forward	5'-TCAATGGCTACACAGGACCA-3'
Reverse	5'-TCTGGAAACTGTGGATGCAG-3'
GAPDH	
Forward	5'-GCACCGTCAAGGCTGAGAAC-3'
Reverse	5'-TGGTGAAGACGCCAGTGA-3'

qRT-PCT, quantitative reverse transcription-polymerase chain reaction.

Table S2 Primer sequences for ChIP-PCR

Gene name	Sequences
miR-519d-5p promoter I	
Forward	5'-TCTCTGCTCAGTGCAACCTC-3'
Reverse	5'-CTGACCCCACATGAGGCTTT-3'
miR-519d-5p promoter II	
Forward	5'-ATCTCAGGCAGTGACCCTCT-3'
Reverse	5'-GCCTAGATCATGCCAGTGCT-3'

ChIP-PCR, chromatin immunoprecipitation assay-polymerase chain reaction.

Table S3 DNA probes included in the DNA pull-down assay

Name	Sense	Antisense
Probe I	5'-biotin-(agtagagatgggattccacatgt)-3'	5'-(acatggtgaaatcccactctact)-3'
Probe II	5'-biotin-(agcagaggcggggttcacatgt)-3'	5'-(acatggtgaaacccgcctctgct)-3'
Probe III	5'-biotin-(ccgagaggtggagttccggtgag)-3'	5'-(ctcaccgaaactccacctctcg)-3'
Probe IV	5'-biotin-(cctgatgcctgaattccaacaat)-3'	5'-(attgtggaattcaggcatcagg)-3'

Table S4 RELA is able to bind to the promoter region of miR-519d-5p

Transcription factor	Relative score	Relative score	Start	End	Strand	Predicted site sequence
RELA	8.950	0.835	300	309	1	tgggattca
RELA	8.140	0.813	436	445	1	cggggttca
RELA	12.571	0.929	1261	1270	-1	tggagttcc
RELA	8.406	0.820	1317	1326	-1	ctgaattccc