Electronic Supplementary Material (ESI) for RSC Advances.
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Table S1. The primers and thermocycling conditions of PCR analysis

RNAs	Premiers	Thermocycling conditions
TUG1	F: GGAGTGGATGTGTTCTGTAGCA R: TCGTGGAATATGGTCAATGAGAGT	a. 1x (3 min at 95°C) b. 30x (30 s at 95°C, 30 s at 65°C, 30 s at 72°C)
HOTAIR	F: CGCCAGACGAAGGTGAAAGC R: TGCCCTCTGCCACGTTTGT	a. 1x (3 min at 95°C) b. 45x (30 s at 95°C, 30 s at 60°C, 30 s at 72°C)
HNF1A-AS1	F: GCAGAATTAGGATTTGAACCCAGAT R: ACAACAACAACAAAAGTAATAGTAACACAT	a. 1x (3 min at 95°C) b. 45x (30 s at 95°C, 30 s at 60°C, 30 s at 72°C)
TTTY15	F: CCCCTTCCCCGTTTGAGTC R: ATATCTAAGAAGTATGTTGGTTCAGTCT	a. 1x (3 min at 95°C) b. 45x (30 s at 95°C, 30 s at 60°C, 30 s at 72°C)
ZNF503-AS1	F: TCCCTCCCGAGCCCTACA R: TGCTGGAAGTTTCTGGGAATGT	a. 1x (3 min at 95°C) b. 35x (30 s at 95°C, 30 s at 65°C, 30 s at 72°C)
ZNF148	F: GCTGTGGCAAGTGTCATTGAT R: GCAGTACCTCATCTGGAATAACATT	a. 1x (3 min at 95°C) b. 35x (30 s at 95°C, 30 s at 65°C, 30 s at 72°C)
PLAG1	F: ATATCCGTTCAGTTCTACCTCATAT R: TGCTTGAGAATCTTGGGATGAA	a. 1x (3 min at 95°C) b. 40x (30 s at 95°C, 30 s at 65°C, 30 s at 72°C)
SEMA5A	F: GATCCTGCCATTTACCGAAGC R: AGATGACACAAAGTTTGGCTCA	a. 1x (3 min at 95°C) b. 40x (30 s at 95°C, 30 s at 55°C, 30 s at 72°C)
SORL1	F: TGTTATCGCCCAGTTCTACCA R: GCCTTGAAGAGTGTTGCAGAA	a. 1x (3 min at 95°C) b. 35x (30 s at 95°C, 30 s at 65°C, 30 s at 72°C)
TMEM2	F: CAGGAACGGTTGGGAAGTG R: TTTCATAGTTTCTCACGGATTCATT	a. 1x (3 min at 95°C) b. 5x (30 s at 95°C, 30 s at 70°C) c. 25x (30 s at 95°C, 30 s at 45°C, 30 s at 72°C)
hsa-miR-449a	F: GCCTGGCAGTGTATTGTTAGCTGGT	a. 1x (3 min at 95°C) b. 35x (30 s at 95°C, 30 s at 60°C)
hsa-miR-485-5p	F: GAGAGGCTGGCCGTGATGAATTC	a. 1x (3 min at 95°C) b. 40x (30 s at 95°C, 30 s at 65°C)
hsa-miR-520c-3p	F: GGCCAaagtgcttccttttagagggt	a. 1x (3 min at 95°C) b. 45x (30 s at 95°C, 30 s at 50°C, 30 s at 72°C)
hsa-miR-520e	F: GGCGAaagtgcttccttttgaggg	a. 1x (3 min at 95°C) b. 5x (30 s at 95°C, 30 s at 70°C) c. 35x (30 s at 95°C, 30 s at 55°C)
hsa-miR-520b	F: CCGGGGCAaagtgcttcctttta	a. 1x (3 min at 95°C) b. 35x (30 s at 95°C, 30 s at 65°C)

18sRNA-H	F: AGTCGCCGTGCCTACCAT	As a reference gene for mRNA and lncRNA
	R: CGGGTCGGGAGTGGGTAAT	
U6	F: GTGCTCGCTTCGGCAGCACATATACTAAA	As a reference gene for miRNA
	R: CTGTCAACGATACGCTACGTAACGGCATGACA	

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