

**Table S1.** Primer sequences for methylation and hydroxymethylation analysis.

miRNA	Forward Primer	Reverse Primer
miR-155	GCAATGACCCACGAGAAAGGG	GCCTGTTCTTGGAACCTACAG
	GACTCAGTGGTGTGCGCTC	CAGGTACGTCCCCAACCATC
miR-223	GGGTGTCACTCGGGCTTTAC	TTCCTGGGAGATGTGACCCT
	AGACAAGGCTGAATCCCTCTG	CCAGAAATGGTAAACTGCCCC
miR-326	AAGCTTAGTGCACAGGGTCA	GCGATAAAGGAAGAGGGCAGA

**Table S2.** The qPCR conditions for methylation and hydroxymethylation analysis.

Step	Temperature	Time	Number of cycles
Initial denaturation	95°C	10 min	—
Denaturation	95°C	15 s	40
Annealing	60°C	30 s	
Extension	72°C	30 s	

**Table S3.** The qPCR conditions for miRNA expression analysis. .

QRT reaction			
Step	Temperature	Time	
Reverse transcription	16°C	30 min	
	42°C	30 min	
Stop reaction	85°C	5 min	
qPCR			
Step	Temperature	Time	Number of cycles
Enzyme activation	95°C	10 min	—
Denaturation	95°C	15 s	40
Annealing and extension	60°C	60 s	