

Table S2. Primer and probe sequence used for qRT-PCR, constructs, ChIP-PCR and EMSA.

Primer information about qRT-PCR	
hsa-miR-23aRT	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATAC GACGGAAAT
hsa-miR-23a F	GCGCATCACATTGCCAGGG
has-miR-23a R	CAGTGCAGGGTCCGAGGT
hsa-miR-27aRT	GTCGTATCCAGTGCAGGGTCCGAGGTATTTCGCACTGGATAC GACGCGGAAA
hsa-miR-27a F	TGCGCTTCACAGTGGCTAAGG
has-miR-27a R	CAGTGCAGGGTCCGAGGT
U6 snRNA RT	AAAATATGGAACGCTTCACGAATTTG
U6 snRNA F	CTCGCTTCGGCAGCACATATACT
U6 snRNA R	ACGCTTCACGAATTTGCGTGTC
18S rRNA RT	TAATGATCCTTCCGCA
18S rRNA F	CGATAACGAACGAGACTCTGGC
18S rRNA R	CGGACATCTAAGGGCATCACA
Primary miR-23a cluster F	TTCACAGTGGCTAAGTTCCGC
Primary miR-23a cluster R	TTCAGCTCAGTAGGCACGGG
KLF3 F	AAGCTCCCACTTGAAAGCACA
KLF3 R	CATCAGACCGAGCAAACCTTCC
Sp1 F	GCCGTTGGCTATAGCAAATGC
Sp1 R	CCTCTCCACCTGCTGTGTCA
gamma-globin F	CAAAGCACCTGGATGATCTCAA
gamma-globinR	TTGCCGAAATGGATTGCC
epsilon-globin F	TGCTGACTTCCTTTGGAGATGC
epsilon-globin R	CCATCACGTTACCCAGGAGC
GAPDH F	CCAGGTGGTCTCCTCTGACTTC
GAPDH R	CCCTGTTGCTGTAGCCAAATTC
Taqman Probes used in qRT-PCR (5' FAM, 3' MGB)	
gamma-globin	CACCTTTGCCAGCTGAGTG
epsilon-globin	ACATGGACAACCTCAAGCCCG
GAPDH	ACAGCGACACCCACTCCTCC
18S rRNA	CTAACTAGTTACGCGACCCCGA
Primer information about 3' UTR cloning for luciferase reporter assay	
KLF3_WT F	TCTGTCCTGCCTCCCATTATCT
KLF3_WT R	CCCTTCCCTTGAAGTCTACAC
KLF3_MUT S	TCAGACCTAAAGTGCTTGACACTTTTTT
KLF3_MUT	AAAAAAGTGT GCAAGCACTT TAGGTCTGA

A	
SP1_WT F	CGGCAGGGAACCTAGTGCAT
SP1_WT R	CATATACGGGCATGAACACACATT
SP1_MUT S	GAGCTTTTCTCGATTCGGAAGTGTG
SP1_MUT A	CACACTTCCG AATCGAGAAA AGCTC
Primer information about cDNA cloning for KLF3	
KLF3 F	CGTAAGCTTAGAATGCTCATGTTTG
KLF3 R	ACTCTCGAGACTAGCATGTGGC
Primer information about cloned wild-type and mutant promoter region of miR-23a cluster	
Promoter-WT F	AACTGAGGCTTTGGAGAGTCTTTG
Promoter-WT R	TCCCCAGGAACCCCAGC
Promoter-MUT(-569) S	GGCTGTTTGAACGGAGAGGCCTG
Promoter-MUT(-569) A	CAGGCCTCTC CGTTCAAACA GCC
Promoter-MUT(-517) S	GGGCGGGGTTAGCGTGTCTAGA
Promoter-MUT(-517) A	TCTAGACACG CTAACCCCGC CCC
Promoter-MUT(-493) S	AAGAGAGGGGTAAGCCTTGCTGC
Promoter-MUT(-493) A	GCAGCAAGGC TTACCCCTCT CTT
Promoter-MUT(-463) S	CGCCCTGGTGTAAAGTGGGCTAAG
Promoter-MUT(-463) A	CCCAC TTACACCAGG GCG GATGC
Promoter-MUT(-360) S	CGCCAGCTGGTTCGAGATCACTT
Promoter-MUT(-360) A	ATCTC GAACCAGCTG GCG CCACT
Promoter-MUT(-343) S	TCACTTCCTCTATCGCCTGCCTG
Promoter-MUT(-343) A	CAGGCAGGCG ATAGAGGAAG TGA
Primer information of ChIP-PCR for KLF3	
HS2 F	TGCCCTGTAAGCATCCTGC
HS2 R	CAAACCTTCTGGCTCAAGCAC
HS3 F	AGCCTGCCAGCCTATAACCC
HS3 R	TCAGCAAACACAAGACCCTCAC
23a promoter-I F	CCAGAGCACAGGATCCAAGC
23a promoter-I R	TCTTTGGGAAACTGTGGAGCA
23a promoter-II F	GCTGGCGCCACTTCCTAGAA
23a promoter-II R	GCTTGGATCCTGTGCTCTGG
23a promoter-III F	ATGCGGGACAAGGAGGCTA
23a promoter-III R	TTCTAGGAAGTGGCGCCAGC
HS4 F	TGGCATCTAGCGCAATGACTT
HS4 R	GGGCAAGCCATCTCATAGCTG
Primer information of ChIP-PCR for Sp1	
HS1 F	CTGAGAAGGCAATAGCAGGAGC
HS1 R	GACACTAGTGTACCAGTCTCC
HS2 F	CTGTGTGTCTCCATTAGTGACCTCCC

HS2 R	TGATGCCGTTTGAGGTGGAGTTTTA
HS3 F	CAGGAGTCTCTAAGGACTTGG
HS3 R	CATAGGAGTCAAGGCACTTGC
HS4 F	TGGCATCTAGCGCAATGACTT
HS4 R	GGGCAAGCCATCTCATAGCTG
HS5 F	GACCTATATCTGGCAGGAC
HS5 R	GTGATGTCTTACTAACTAGC
epsilon-globin promoter F	GAGCCTCAGGATCCAGCACAC
epsilon-globin promoter R	GATGCCAGGCCTGAGAGCTTGC
gamma-globin promoter F	ATTAGCAGCAGTATCCTC
gamma-globin promoter R	GGCGTCTGGACTAGGAGC
23a promoter-III F	ATGCGGGACAAGGAGGCTA
23a promoter-III R	TTCTAGGAAGTGGCGCCAGC
Probe sequence used for EMSA	
Probes_W T	CAGGCCTCTCCACCCAAACAGCCCA
Probes_M UT	CAGGCCTCTCATTGGAAACAGCCCA