

## SUPPLEMENTARY TABLE

**Supplementary Table 1. The sequences of primers and oligonucleotides used in this study.**

<b>Primers</b>	
circSHPRH-F	AGGCAATGCTGAAAACCTGCT
circSHPRH-R	GCCACGTTGAGAAAACGAGT
SHPRH-F	AGATGATCCGGAGAGTGAGC
SHPRH-R	ACAGCCTCTCTTTGGTAGGG
DLG2-F	ACGCTCCACATGATCATTCC
DLG2-R	TTATAGGAGCAGGACTGGCC
SOCS3-F	GTCATTGGAGAGGCTGGACT
SOCS3-R	CTGTCCAGCCCAATACCTGA
GFI1-F	GGACCAGACTATTCCCTCCG
GFI1-R	AGTCCTCAAACCTCCGAGCTC
BARX2-F	AAGCACGTGATGTCCCCTTA
BARX2-R	GTTTACTGGGCTGCTGGAAG
ZNF471-F	CCCTCCAAGACACTGTTCT
ZNF471-R	TCACTCGTCATCTCCAAGG
NFKBIA-F	GTCAAGGAGCTGCAGGAGAT
NFKBIA-R	CTTCACCTGGCGGATCACTT
FOXA2-F	ACTTCCAACCTACCGCTCC
FOXA2-R	ACAAACGACCAGCAATCACC
RRM2B-F	CCAGCCCGTTAGATTGCAAG
RRM2B-R	CCCAAAGTCAGCTCCTTCCT
ALX4-F	GTTCCGGCACAACTTTCCTGT
ALX4-R	CTGGGGCTGGAACCTGTAA
GAPDH-F	GGAGCGAGATCCCTCCAAAAT
GAPDH-R	GGCTGTTGTCATACTTCTCATGG
miR-1231	GTGTCTGGGCGGACAGCTGC
miR-127-5p	CTGAAGCTCAGAGGGCTCTGAT
miR-140-3p	TACCACAGGGTAGAACCACGG
miR-203	GTGAAATGTTTAGGACCACTAG
miR-223	TGTCAGTTTGTCAAATACCCCA
miR-520f	AAGTGCTTCCTTTTAGAGGGTT
miR-331-3p	GCCCCTGGGCTATCCTAGAA
miR-942	TCTTCTCTGTTTTGGCCATGTG
miR-486-3p	CGGGGCAGCTCAGTACAGGAT
miR-488	TTGAAAGGCTATTTCTTGGTC
miR-545	TCAGCAAACATTTATTGTGTGC
miR-548p	TAGCAAAAACCTGCAGTTACTTT
miR-571	TGAGTTGGCCATCTGAGTGAG
miR-580	TTGAGAATGATGAATCATTAGG
miR-649	AAACCTGTGTTGTTCAAGAGTC
miR-885-5p	TCCATTACACTACCCTGCCTCT
miR-338-5p	AACAATATCCTGGTGCTGAGTG
miR-889	AATGGCTGTCCGTAGTATGGTC
U6	CTCGCTTCGGCAGCACA

miR reverse	Sangon Biotech, China
<b>siRNAs</b>	
si-NC sense	UUCUCCGAACGUGUCACGUTT
si-NC antisense	ACGUGACACGUUCGGAGAATT
si-circSHPRH-1 sense	GAGAGAAGGGCAGCCAUUCTT
si-circSHPRH-1 antisense	GAAUGGCUGCCCUUCUCUCTT
si-circSHPRH-2 sense	GCUGAGAGAAGGGCAGCCATT
si-circSHPRH-2 antisense	UGGCUGCCCUUCUCUCAGCTT
si-SHPRH-1 sense	GCGUUUGAGUGGGAUUAAUTT
si-SHPRH-1 antisense	AUAAAUCCACUCAAAACGCTT
si-SHPRH-2 sense	GCGAGUGCGAAAUGAAAUATT
si-SHPRH-2 antisense	UAUUUCAUUUCGCACUCGCTT
<b>miR-942 mimics and inhibitors</b>	
mimics NC sense	UUCUCCGAACGUGUCACGUTT
mimics NC antisense	ACGUGACACGUUCGGAGAATT
miR-942 mimics sense	UCUUCUCUGUUUUGGCCAUGUG
miR-942 mimics antisense	CAUGGCCAAAACAGAGAAGAUU
inhibitor NC	CAGUACUUUUGUGUAGUACAA
miR-942 inhibitor	CACAUGGCCAAAACAGAGAAGA

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