

Figure S1. Normal CD19⁺ B cells were separated from peripheral blood of healthy volunteers by magnetic-activated cell sorting.

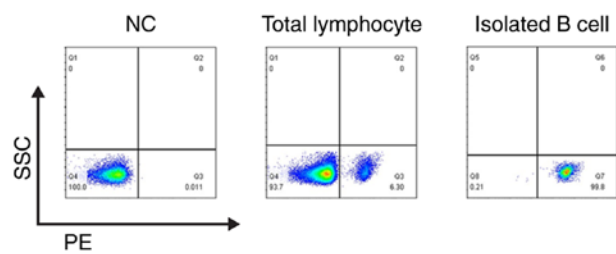


Figure S2. The efficiency of miR-196a-3p mimic transfection was validated by RT-qPCR. **P<0.01 and ***P<0.001.

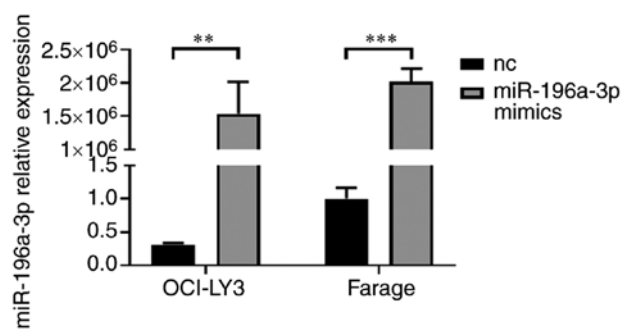


Figure S3. The efficiency of ARF4 expression knockdown by different siRNA sequences.

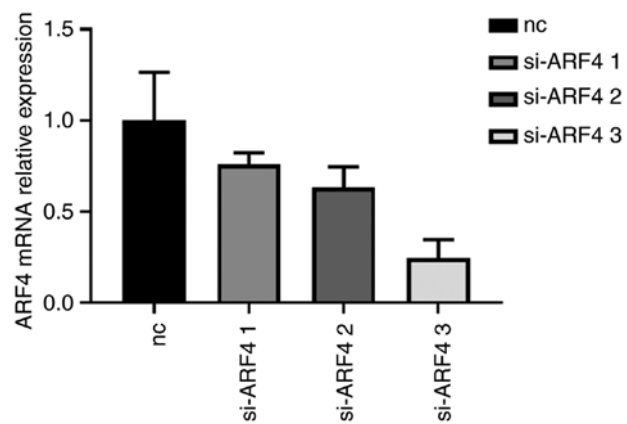


Table SI. RT-qPCR primer sequences of miRNA.

RNA	Primer	Sequence
U6	Forward	5'-GCTTCGGCAGCACATATACTAAAAT-3'
	Reverse	5'-CGCTTCACGAATTTGCGTGTTCAT-3'
miR-4313	Forward	5'-GAAAGCCCCCTGGCCC-3'
	Reverse	5'-GTGCGTGTTCGTGGAGTCG-3'
miR-3691-3p	Forward	5'-GGCACCAAGTCTGCGTCAT-3'
	Reverse	5'-GTGCGTGTTCGTGGAGTCG-3'
miR-196a-3p	Forward	5'-GGAACGGCAACAAGAACTG-3'
	Reverse	5'-GTGCGTGTTCGTGGAGTCG-3'
miR-324-3p	Forward	5'-GAAACTGCCCCAGGTGC-3'
	Reverse	5'-GTGCGTGTTCGTGGAGTCG-3'
miR-4723-3p	Forward	5'-GAAACCCTCTCTGGCTCCTC-3'
	Reverse	5'-GTGCGTGTTCGTGGAGTCG-3'

Table SII. RT-PCR primer sequences of four candidate target genes.

RNA	Primer	Sequence
GAPDH	Forward	5'-CAAGGTCATCCATGACAACCTTTG-3'
	Reverse	5'-GTCCACCACCCTGTTGCTGTAG-3'
CORO1C	Forward	5'-ATTGCCTGCCAAGGGTCTC-3'
	Reverse	5'-CTGTTCGTACCACTCGCCTC-3'
ARF4	Forward	5'-ACTGAGACGTTTCTGCCTCC-3'
	Reverse	5'-TTCAAGCTCCCAGGCAAAC-3'
NRP2	Forward	5'-CTCGGCTTTTGCAGTGG-3'
	Reverse	5'-AGGAGGACGCCCAGTGAG-3'
ZNF280B	Forward	5'-CAAGGTCATCCATGACAACCTTTG-3'
	Reverse	5'-GTCCACCACCCTGTTGCTGTAG-3'