

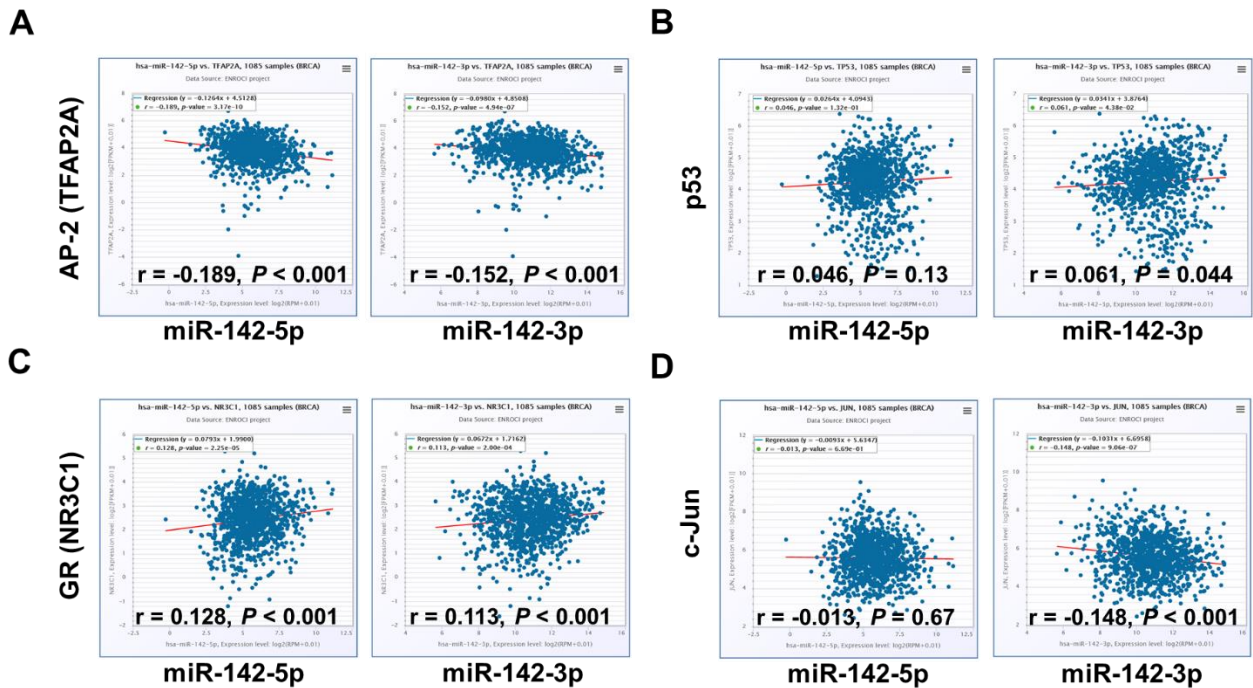


Figure S1. The correlation between other candidates and miR-142-5p/3p, including AP-2 (A), p53 (B), GR (C) and c-Jun (D) predicted by starBase v.3.0.

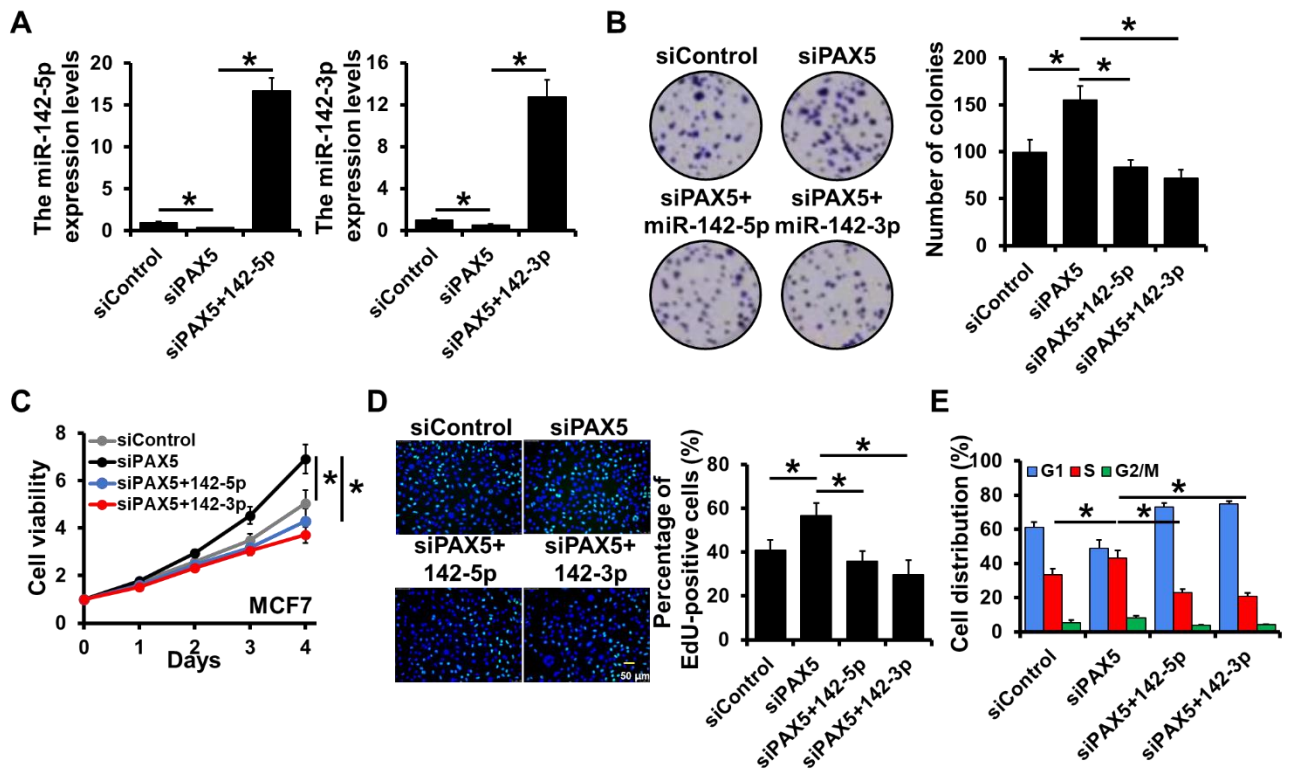


Figure S2. (A) The construction of PAX5-depleted with miR-142-5p/3p-overexpressed cells verified by qRT-PCR. The cell proliferation assays were performed, including colony formation assay (B), MTT (C) and EdU assay (D). The distribution of the cell cycle was analyzed by flow cytometry. *P < 0.05.

Table S1. Antibodies used for study

Name	Source	Catalog
HA	Immunoway	YM3003
Myc	Immunoway	YM3203
β -Actin	Immunoway	YM3028
DNMT1 (D63A6) XP® Rabbit mAb	Cell Signaling	5032
DNMT3A (D2H4B) Rabbit mAb	Cell Signaling	32578
DNMT3B (E8A8A) XP® Rabbit mAb	Cell Signaling	57868
PAX5	Abcam	ab227635
Anti-ZEB1 antibody	Abcam	ab180905

Table S2. Oligonucleotides of miRNAs and siRNAs

mimic control	UGUACCAAUUUCCAGUGGAGAU
inhibitor control	AUGGUGUUAUCAAGUGUAAACAG
miR-142-5p mimics	CAUAAAGUAGAAAGCACUACU
miR-142-5p inhibitor	AGUAGUGCUUUCUACUUUAUG
miR-142-3p mimics	UGUAGUGUUUCCUACUUUAUGGA
miR-142-3p inhibitor	UCCAUAAGUAGGAAACACUACA
siControl	UUCUCCGAACGUGUCACGU
siZEB1	GCUGUUGUUCUGCCAACAGUU
siDNMT1	GGAGAACGGUGCUCAUGCUU
siPAX5-1	AAUCGCUGAAUAUAAACGCCA
siPAX5-2	AACCAGUCCCAGCUUCCAGUC

Table S3. Oligonucleotides used for RT-qPCR

Name	Sequence (5' to 3')
miR-142-5p	CATAAAGTAGAAAGCACTAC GAACATGTCTGCGTATCTC
miR-142-3p	TGCGGTGTAGTGTTTCCTACTT CCAGTGCAGGGTCCGAGGT
U6	CTCGCTTCGGCAGCACA AACGCTTCACGAATTTGCGT
PAX5 up PAX5 low	TGGCAGGTATTATGAGACAGG CAGGCAAACATGGTGGGATT
DNMT1 up	CAACGAGTCTGGCTTTGAGA

DNMT1 low	GACACAGGTGACCGTGCTTA
ZEB1 up	TCAAAAGGAAGTCAATGGACAA
ZEB1 low	GTGCAGGAGGGACCTCTTTA
GAPDH up	CAAGGTCATCCATGACAACCTTG
GAPDH low	GTCCACCACCCTGTTGCTGTAG

Table S4. Oligonucleotides used for ChIP and methylation specific PCR

Name	Sequence (5' to 3')
PAX5 site 1 up	GCTGGGGACTTAGGCCCTGG
PAX5 site 1 low	ACCTTCAGTTCTGTGAACCC
PAX5 site 2 up	GAAGAGGGAAGTGAAGAGGA
PAX5 site 2 low	CTTGTGGCTTCCTAAGATCC
PAX5 site 3 up	GGATCTTAGGAAGCCACAAG
PAX5 site 3 low	CCTCCAGTGCTGTTAGTAGT
ZEB1 site up	GCAATAGTCAGGACCCCAAC
ZEB1 site low	TGACATCTCCATGTGCAAAC
BSP up	TTTTAATTTTATAAAAGTTTGGGG
BSP low	CCATATAAAATCATATCCTATTCTC