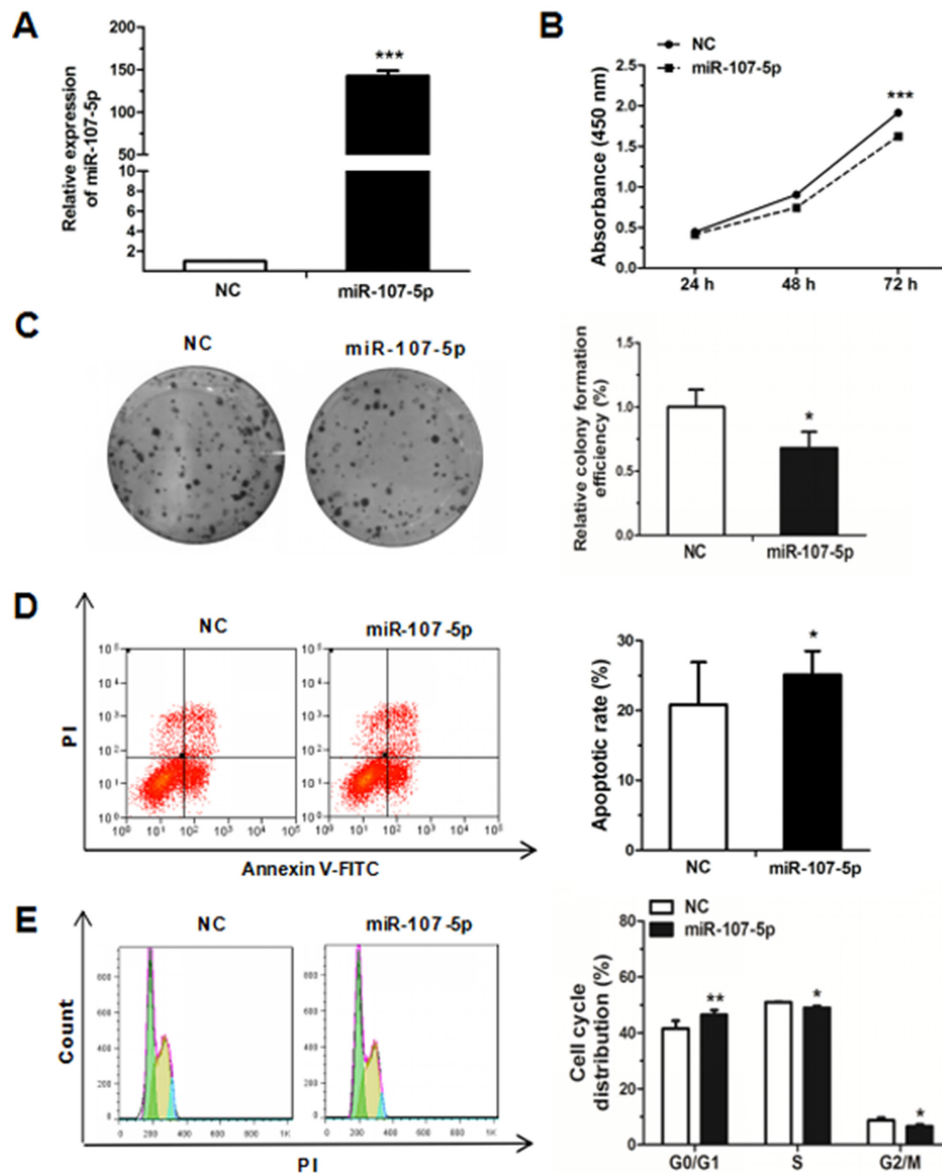


MicroRNA-107-5p suppresses non-small cell lung cancer by directly targeting oncogene epidermal growth factor receptor

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: MiR-107-5p suppresses cell proliferation, cell cycle and promotes apoptosis in 95-D cell lines. (A) The expression of miR-107-5p was measured by qRT-PCR in 95-D cells 48 h after transfection with NC (negative control) or miR-107-5p mimic. (B) 95-D cells were transfected with NC or miR-107-5p mimic, and cell proliferation was determined by CCK-8. (C) Colony formation assay was performed in 95-D cells transfected with NC or miR-107-5p mimic. (D) Cell apoptosis situations of 95-D cells transfected with NC or miR-107-5p mimic were increased by flow cytometry. (E) The cell cycle distributions of 95-D cells transfected with NC or miR-107-5p mimic were detected by flow cytometry. All experiments were repeated in triplicate (* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$).

Supplementary Table 1: The clinical-pathological features of 61 cases NSCLC patients

See Supplementary File 1

Supplementary Table 2: PCR primers

Primer name	Primer sequences(5'-3')
18S RNA(F)	AGGAATCCCCAGTAAGTGCG
18S RNA(R)	GCCTCACTAAACCATCCAA
U6 snRNA(F)	CTCGCTTCGGCAGCACA
U6 snRNA(R)	AACGCTTCACGAATTTGCGT
EGFR-3'-UTR(F)	GCTCTAGAGCGAGCGTTAGACTGACTTGTTTG
EGFR-3'-UTR(R)	GGAATCCAGCGGTGCTATCCTTAGGTATT
EGFR-3'-mUTR(F)	AGTAAGGTCCCCCTGTCTTGCTGTCATGAA
EGFR-3'-mUTR(R)	CAGGGGGACCTTACTGAGTTTCAAAACAATG
EGFR(F)	CGCATTAGCTCTTAGACCCA
EGFR(R)	AGTAAGTACCGTGGGGACAT
pri-miR-107(F)	CGGGATCCCGAATGTGAGGAAAAGGTCTGAGC
pri-miR-107(R)	CCGCTCGAGCGGCCTCAACTCCTCTTTCCTGTCT
miR-107-5p	AGCAGCATTGTACAGGGCTATCA