

Figure S1

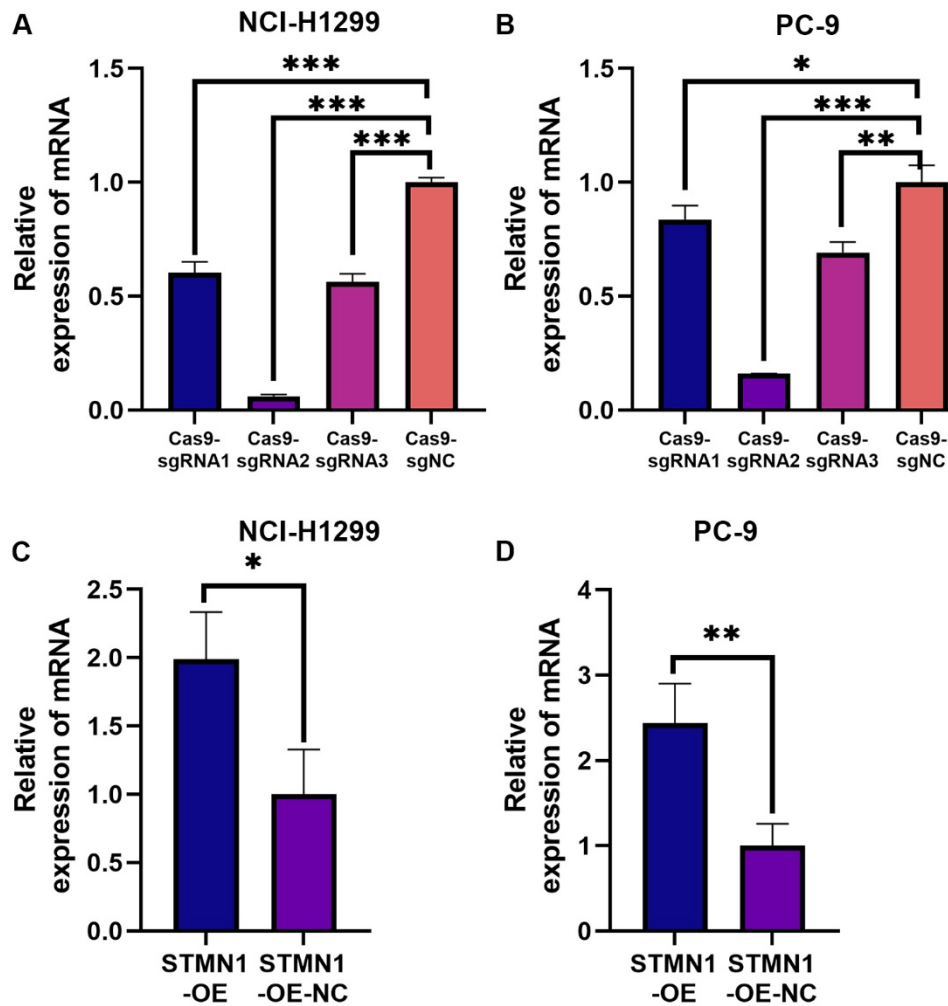


Figure S1: The efficiency of knockdown or overexpression of STMN1. (A) In NCI-H1299 cells, *STMN1* knockdown efficiency at mRNA level were tested by RT-qPCR. **(B)** In NCI-PC-9 cells, *STMN1* knockdown efficiency at mRNA level were tested by RT-qPCR. **(C)** In NCI-H1299 cells, *STMN1* overexpression efficiency at mRNA level were tested by RT-qPCR. **(D)** In NCI-PC-9 cells, *STMN1* overexpression efficiency at mRNA level were tested by RT-qPCR. Abbreviations: RT-qPCR: real-time quantitative polymerase chain reaction. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$.

Table S1. The sgRNA sequences of STMN1

sgRNA	Sequence
sgRNA1	GGAACAGATTCTTTTGACCG
SgRNA2	GAACTGGAGAAGCGTGCCTC
SgRNA3	AGCTGAGGTCTTGAAGCAGC
sgNC	CGCTTCCGCGGCCCGTTCAA

Table S2. The primer sequences of target genes

Primers	Sequence (5' to 3')
GAPDH-F	CTCCTCCACCTTTGACGCTG
GAPDH-R	TCCTCTTGTGCTCTTGCTGG
STMN1-F	AAGAACTGGAGAAGCGTGCC
STMN1-R	GGACTTGCGTCTTTCTTCTG
HMGA1-F	CGAAGTGCCAACACCTAAGAGACC
HMGA1-R	GATGCCCTCCTCTTCCTCCTTCTC

Table S3. The siRNA sequences of HMGA1

siRNA	sequence (5'-3')
siRNA1	GAAGUGCCAACACCUAAGATT
siRNA2	CACAACUCCAGGAAGGAAATT
siNC	UUCUCCGAACGUGUCACGUTT