**The sequences of ASS1 shRNAs and qRT-PCR was conducted to confirm the transfection efficiency.**

ASS1 shRNA-1

Sense: CAAAGTTAGTATTAGTTAA

Anti-sense: TTAACTAATACTAACTTTG

ASS1 shRNA-2

Sense: CGATATGTATCCAGTTCTA

Anti-sense: TAGAACTGGATACATATCG

ASS1 shRNA-3

Sense: GTAGAAAGATGTTAGTAAA

Anti-sense: TTTACTAACATCTTTCTAC



**The sequences of METTL14 shRNAs and qRT-PCR was conducted to confirm the transfection efficiency.**

METTL14 shRNA-1

Sense: GGTTATGCATGTCAAGAAA

Anti-sense: TTTCTTGACATGCATAACC

METTL14 shRNA-2

Sense: GGTTGTTATTGTTAAGTAT

Anti-sense: ATACTTAACAATAACAACC

METTL14 shRNA-3

Sense: GGAGTTGTGTTCTGATAAA

Anti-sense: TTTATCAGAACACAACTCC



**The sequences of YTHDF2 shRNAs and qRT-PCR was conducted to confirm the transfection efficiency.**

YTHDF2 shRNA-1

Sense: GGTTCTACTTACAGACTTA

Anti-sense: TAAGTCTGTAAGTAGAACC

YTHDF2 shRNA-2

Sense: GGAGGTACATAGTTGTTAA

Anti-sense: TTAACAACTATGTACCTCC

YTHDF2 shRNA-3

Sense: GGTACAAGATGTCTGTTTA

Anti-sense: TAAACAGACATCTTGTACC

