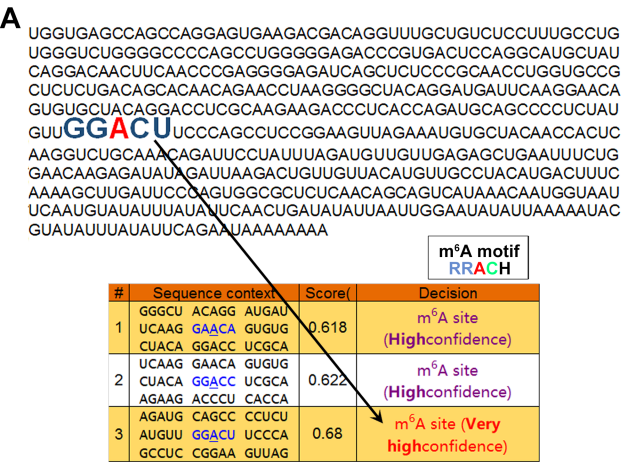
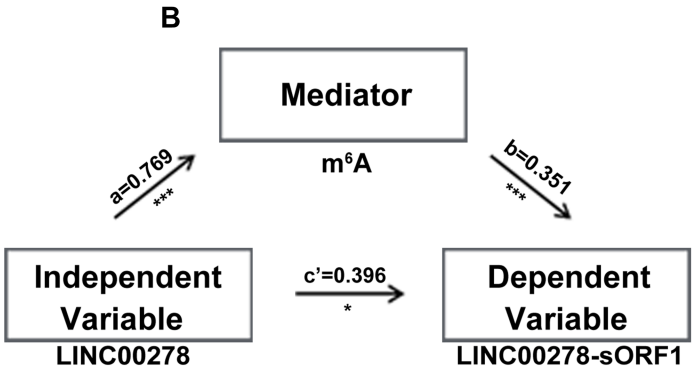
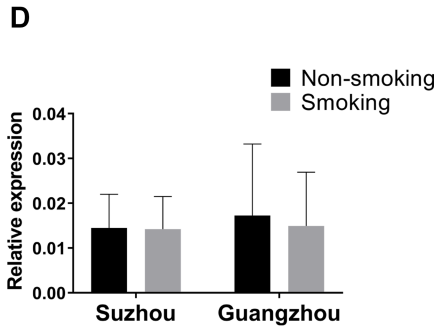
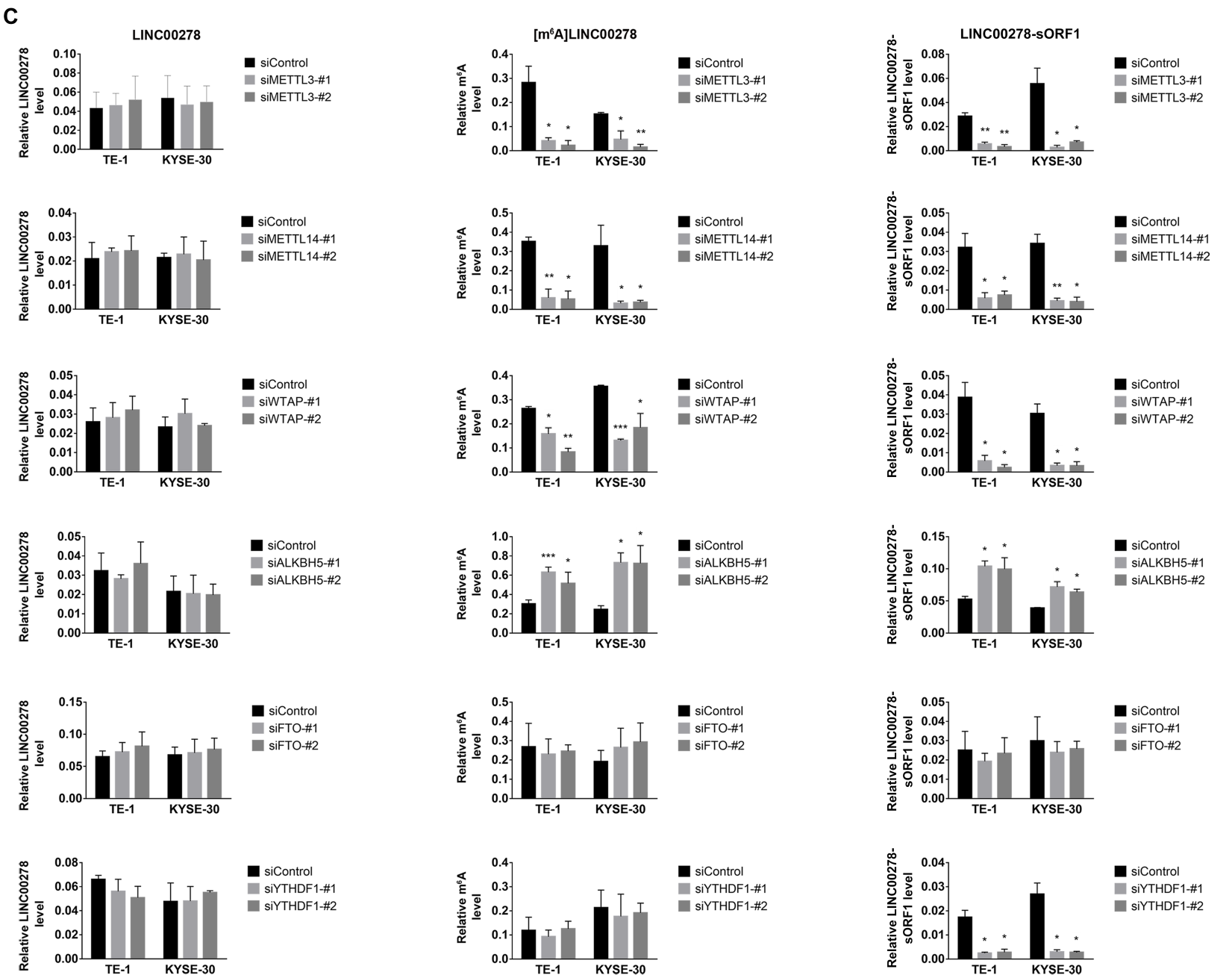
Figure S3


A
UGGUGAGCCAGCCAGGAGUGAAGACGACAGGUUUGCUGUCUCCUUUGCCUG
UGGGUCUGGGGCCCCAGCCUGGGGGAGACCCGUGACUCCAGGCAUGCUAU
CAGGACAACUUCAACCCGAGGGGAGAUCAGCUCUCCCGCAACCUGGUGCCG
CUCUCUGACAGCACAACAGAACCUAAGGGGCUACAGGAUGAUUCAAGGAACA
GUGUGCUACAGGACCUCGCAAGAAGACCCUCACCAGAUGCAGCCCCUCUAU
GUUGGACUUCCCAGCCUCCGGAAGUUAGAAAUGUGCUACAACCACUC
AAGGUCUGCAAACAGAUUCCUAUUUAGAUGUUGUUGAGAGCUGAAUUUCUG
GAACAAGAGAUAUAGAUUAAGACUGUUGUUACAUGUUGCCUACAUGACUUUC
AAAAGCUUGAUUCCCAGUGGCGCUCUCAACAGCAGUCAUAAACAAUGGUAAU
UCAAUGUAUAUUUAUAUUCAACUGAUAUAUUAAUUGGAAUAUAUUAAAAAUAC
GUAUAUUUAUAUUCAGAAUAAAAAAAA
m6A motif
RRACH
| Sequence context | Score(| Decision
1 | GGGCU ACAGG AUGAU / UCAAG GAACA GUGUG / CUACA GGACC UCGCA | 0.618 | m6A site (Highconfidence)
2 | UCAAG GAACA GUGUG / CUACA GGACC UCGCA / AGAAG ACCCU CACCA | 0.622 | m6A site (Highconfidence)
3 | AGAUG CAGCC CCUCU / AUGUU GGACU UCCCA / GCCUC CGGAA GUUAG | 0.68 | m6A site (Very highconfidence)


B
Mediator
m6A
a=0.769
***
b=0.351
***
Independent Variable
LINC00278
c'=0.396
*
Dependent Variable
LINC00278-sORF1


D
Non-smoking
Smoking
Relative expression
0.04
0.03
0.02
0.01
0.00
Suzhou
Guangzhou


C
LINC00278
[m6A]LINC00278
LINC00278-sORF1
Relative LINC00278 level
Relative m6A level
Relative LINC00278-sORF1 level
siControl
siMETTL3-#1
siMETTL3-#2
siMETTL14-#1
siMETTL14-#2
siWTAP-#1
siWTAP-#2
siALKBH5-#1
siALKBH5-#2
siFTO-#1
siFTO-#2
siYTHDF1-#1
siYTHDF1-#2
TE-1
KYSE-30