

SUPPLEMENTARY FIGURE LEGENDS

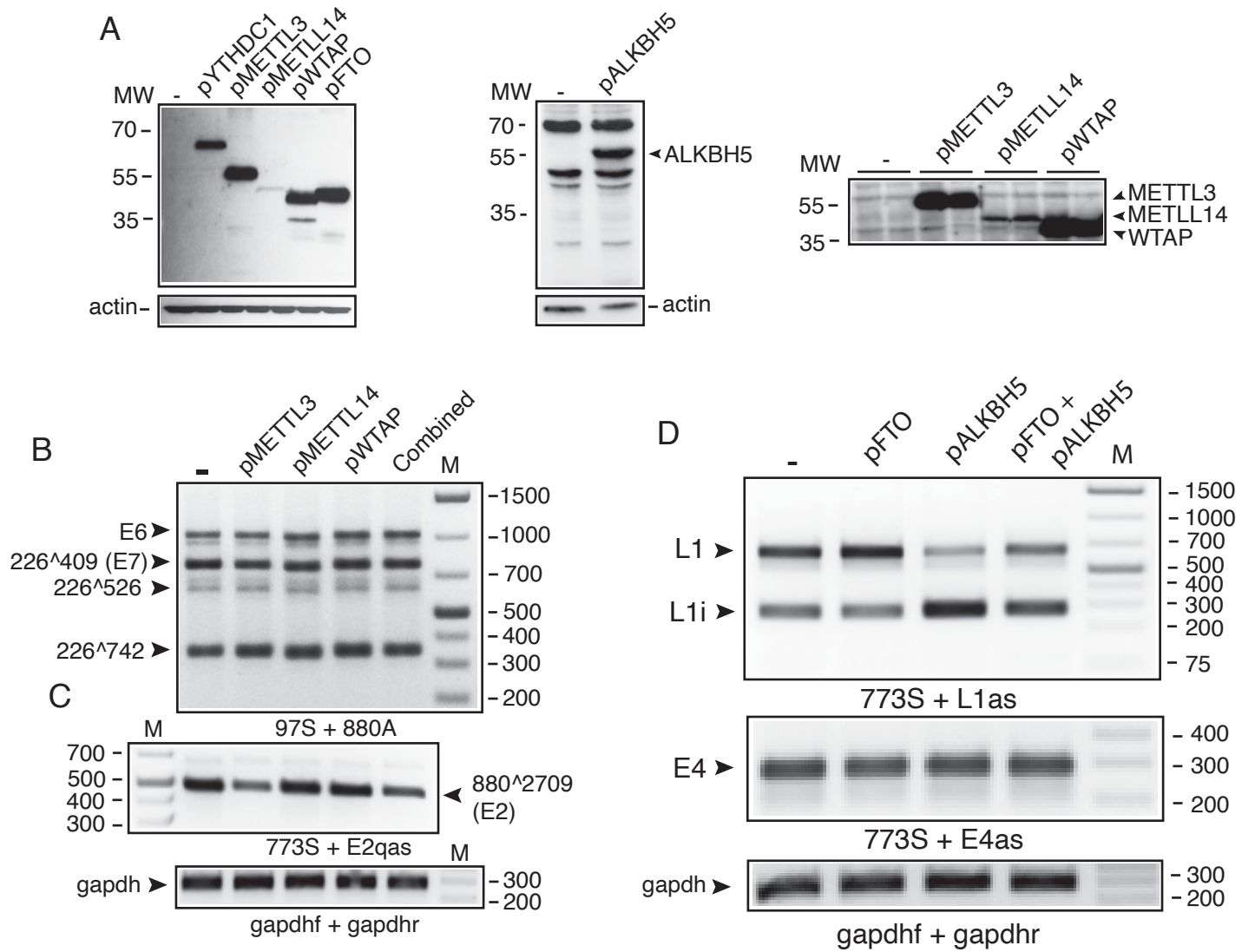
Supplementary Figure S1 Sequence of in vitro synthesized, m6A-containing RNA.

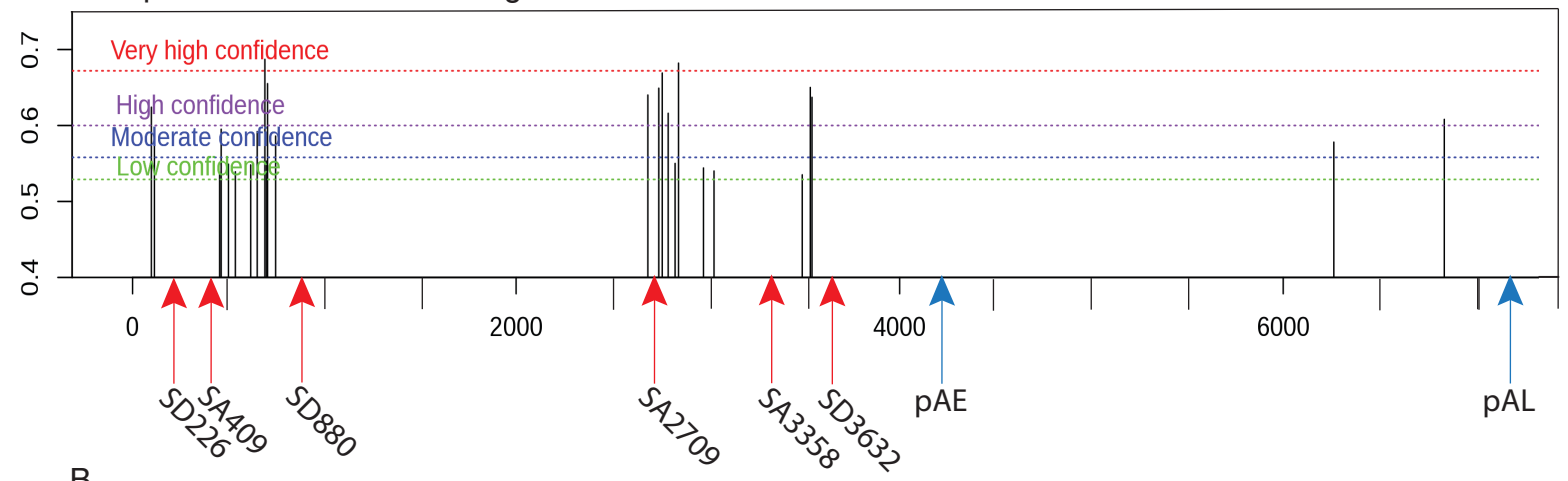
Supplementary Figure S2 (A) Left panel: Western blot with anti-Flag antibody on proteins harvested from HeLa cells transfected with empty pUC plasmid (-), pYTHDC1, pMETTL3, pMETTL14, pWTAP or pFTO. Middle panel: Western blot with anti-ALKBH5 antibody on proteins harvested from HeLa cells transfected with empty pUC plasmid (-) or pALKBH5. Right panel: Long exposure of Western blot with anti-Flag antibody on proteins harvested from HeLa cells transfected in duplicates with empty pUC plasmid (-), pMETTL3, pMETTL14 or pWTAP. **(B)** Effect of METTL3, METTL14, WTAP or all three combined on HPV16 E6/E7 mRNA splicing was monitored by RT-PCR with indicated primer pair on RNA extracted from HeLa cells transfected with pC97ELsLuc and empty pUC plasmid (-), pMETTL3, pMETTL14, pWTAP or pMETTL3, pMETTL14 and pWTAP combined. **(C)** Effect of METTL3, METTL14, WTAP or all three combined on HPV16 E2 mRNA splicing was monitored by RT-PCR with indicated primer pair on RNA extracted from HeLa cells transfected with pC97ELsLuc and empty pUC plasmid (-), pMETTL3, pMETTL14, pWTAP or pMETTL3, pMETTL14 and pWTAP combined. **(D)** Effect of FTO and ALKBH5 overexpression on HPV16 L1- and E4- mRNA splicing was monitored by RT-PCR with indicated primer pairs on RNA extracted from pBELsLuc with empty pUC plasmid (-), pFTO or pALKBH5.

Supplementary Figure S3 (A) m6A site prediction on the HPV16 genome performed using the online software SRAMP (<http://www.cuilab.cn/sramp/>) (Zhou). Selected HPV16 splice sites SD226, SA409, SD880, SA2709, SA3358 and SD3632 are indicated. Numbers refer to the HPV16 reference strain (GeneBank: K02718.1). HPV16 early and late polyadenylation signals pAE and pAL, respectively, are indicated. **(B)** A subset of alternatively spliced HPV16 mRNAs are depicted.

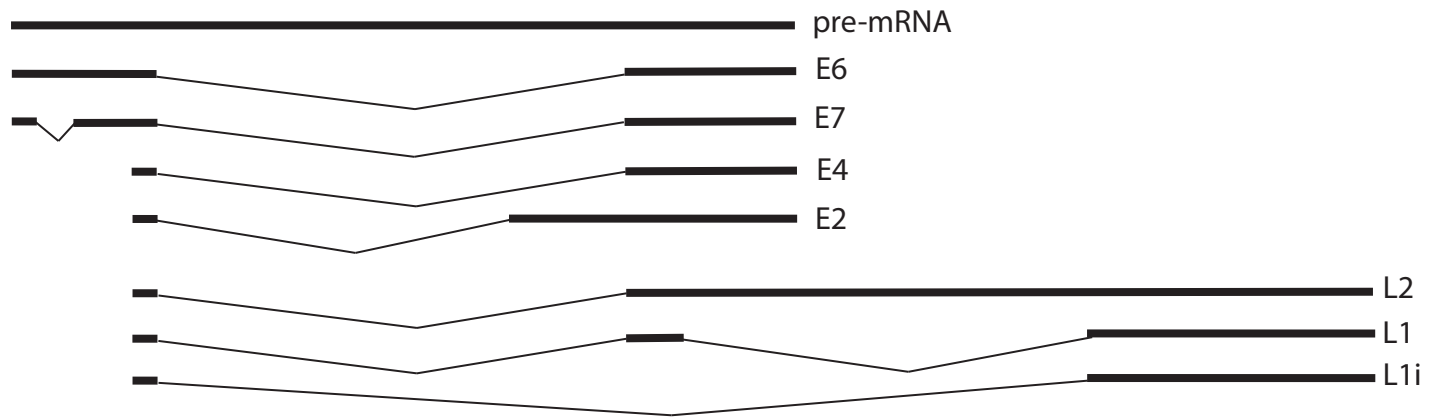
Supplementary Figure S1. *In Vitro* transcribed cloning vector RNA sequence.

AGGATTTTCGAGCGTGGGTCACTGAGCTCAGTGGACGAAAACCTCACGTTAAGGGATTTT
GGTCATGAGATTATCAAAAAGGATCTTCACCTAGATCCTTTTTAAATTA AAAAATGAAGTTTT
AAATCAATCTAAAGTATATATGAGTAACTTGGTCTGACAGTTACCAATGCTTAATCAGT
GAGGCACCTATCTCAGCGATCTGTCTATTTGTTTCATCCATAGTTGCCTGACTCCCCGT
CGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCAATGATA
CCGCGAGACCCACGCTCACCGGCTCCAGATTTATCAGCAATAAACCAGCCAGCCGGAA
GGGCCGAGCGCAGAAGTGGTCCTGCAACTTTATCCGCCTCCATCCAGTCTATTAATTGT
TGCCGGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCAT
TGCTACAGGCATCGTGGTGTACGCTCGTCGTTTGGTATGGCTTCATTCAGCTCCGGTT
CCCAACGATCAAGGCGAGTTACATGATCCCCCATGTTGTGCAAAAAGCGGTTAGCTCT
TTCGGTCCTCCGATCGTTGTCAGAAGTAAGTTGGCCGCAGTGTTATCACTCATGGTTAT
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GTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGC
CCGGCGTCAATACGGGATAATACCGCGCCACATAGCAGA ACTTTAAAAGTGCTCATCAT
TGAAAACGTTCTTCGGGACGAAAACCTCTCAAGGATCTTACCGCTGTTGAGATCCAGTT
CGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTTACCAGCGTTT
CTGGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAGGGAATAAGGGGCGACA
CGGAAATGTTGAATACTCATACTCTTCCTTTTTCAATATTATTGAAGCATTATCAGGGTT
ATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAACAAATAGGGGTTCC
GCCGCAATTTTCCCCAAAATGCCACCTGAACTTCAAGAAAC



A
m6A predictions in the HPV16 genome

B



Supplementary Table 1. Primer list.

RT-PCR primer name	Amplified sequences	Sequence
97s	HPV16	GTCGACCTGCAATGTTTCAGGACCC
880as	HPV16	GAAACCATAATCTACCATGGCTGATC
X556A	HPV16	GCTCGAGCAGCTGGGTTTCTCTACGTGTT
773s	HPV16	GCACACACGTAGACATTCGTACTIONG
E4as	HPV16	TGCTGCCTAATAGTTTCAGGAGAGG
E43as	HPV16	GTGGTGTGGCAGGGGTTTCCGGTGTC
E42as	HPV16	CGGTGCCAAGGCGACGGCTTTGG
L1as	HPV16	GCAACATATTCATCCGTGCTTACAACC
E2as	HPV16	CAGCCAGCGTTGGCACCACCT
E2qas	HPV16	CAGCCAGCGTTGGCACCACCT
16S	HPV16	TATGTATGGTATAATAAACACGTGTGTATGTG
16A	HPV16	GCAGTGCAGGTCAGGAAAACAGGGATTTGGC
MALAT1s	MALAT1	CGTAGACCAGAACCAATTTAGAAG
MALAT1as	MALAT1	CATATTGCCGACCTCACGGAT
MALAT1asQ	MALAT1	AGCACCTGGGTCAGCTGTCAAT
RPL0s	RPLP0	ACCTGGAAGTCCAACACTTCCTTA
RPL0as	RPLP0	GATCTCAGTGAGGTCCTCCTTG
gapdhf	GAPDH	ACCCAGAAGACTGTGGATGG
gapdhr	GAPDH	TTCTAGACGGCAGGTCAGGT
T7s	<i>In vitro</i> RNA	ACGTTAAGGGATTTTGGTCATGAGA
T7as	<i>In vitro</i> RNA	TCAAATATGTATCCGCTCATGAGA
