

Table SI. shRNA sequences used in the present study.

shRNA	Sequences (5'-3')
hnRNPC shRNA#1	S: CTGGATGATGATGATAATGAActcgagTTCATTATCATCATCCAGttttt
hnRNPC shRNA#2	S: GCCTTCGTTTCAGTATGTTAATctcgagATTAACATACTGAACGAAGGCttttt
METTL3	S: CCAGTCATAAACCAGATGAAActcgagTTTCATCTGGTTTATGACTGGttttt
Negative control	S: ACGTGACACGTTTCGGAGAATTctcgagAATTCTCCGAACGTGTCACGttttt

S, sense; shRNA, short hairpin RNA; hnRNPC, heterogeneous nuclear ribonucleoprotein C; METTL3, methyltransferase-like 3.

Table SII. Primers used for quantitative PCR.

Gene	Primer sequences (5'-3')
hnRNPc	F: GGAGATGTACGGGTCAGTAACA R: CCCGAGCAATAGGAGGAGGA
BCAT1	F: GTGGAGTGGTCCTCAGAGTTT R: AGCCAGGGTGCAATGACAG
β -actin	F: CATGTACGTTGCTATCCAGGC R: CTCCTTAATGTCACGCACGAT
Sox2	F: GCCGAGTGGAACTTTTGTCG R: GGCAGCGTGTACTIONTATCCTTCT
Nanog	F: TTTGTGGGCCTGAAGAAAAC R: AGGGCTGTCCTGAATAAGCAG
Oct4	F: CTTGAATCCCGAATGGAAAGGG R: GTGTATATCCCAGGGTGATCCTC

F, forward; R, reverse; BCAT1, branched-chain amino acid transaminase 1; m⁶A, N6-methyladenosine; hnRNPc, heterogeneous nuclear ribonucleoprotein C.

Table SIII. Primers used for m⁶A RNA immunoprecipitation quantitative PCR.

Gene ^a	Primer sequences (5'-3')
BCAT1 (+70)	F: GATGCTCCGCAGAGTGTA R: TGGTAGCTGGTGTGACTATTAG
BCAT1 (+659)	F: CCAGTGTCCCTGTGGGCCA R: GAGATGAGCCGTAATTCCTCCC
BCAT1 (+1,221)	F: GAGGATACAATGGAAAATAGA R: ACTACAAACTACATTATGCAC
BCAT1(+4,255)	F: CCATGCTCTCTAGCACAGGAATG R: CCTGATTCCTTAACAAGACTTC
BCAT1(+8,438)	F: CCTGAAGTTTTGCAAAGAG R: CACAGGTTGACAGGGTCTGG
U1 (negative control)	F: GGGAGATACCATGATCACGAAGGT R: CCACAAATTATGCAGTCGAGTTTCCC

^a‘+’ numbers in parentheses indicate the nucleotide position relative to the transcription start site (+1) of the human BCAT1 reference transcript NM_005504.7. F, forward; R, reverse; BCAT1, branched-chain amino acid transaminase 1; m⁶A, N6-methyladenosine.