

Supplementary Materials

Table S1. The primers used in this study.

| Primer Name | Sequence (5'-3') | Purpose |
|-------------------|---|-------------------|
| METTL3-F | GTGTTAATGTATCCTTCAAGTTTC | ORF amplification |
| METTL3-R | GAAATCTATTTATTGACGTCGATAC | ORF amplification |
| METTL3-3'RACE-1F | CCTTCAAGAAGCGCTACCCCGACGGC | ORF amplification |
| METTL3-3'RACE-2F | GCCCATTTATCGACGTAAATAAATAGATT | ORF amplification |
| METTL3-5'RACE-1R | GGCGAACTTGTGCAGCGCGCTGGTGACG | ORF amplification |
| METTL3-5'RACE-2R | GGGCACTGTCGGCTTCTCTGTCTTTT | ORF amplification |
| ME14-1F | GAAGAACTGCTCGCGCAAA | ORF amplification |
| ME14-1R | ACAGGAACACGAAGGCTCTG | ORF amplification |
| ME14-2F | CCGCAGAACTTCATCCGAGA | ORF amplification |
| ME14-2R | GCGTAGAGAGAGGCGTTGAA | ORF amplification |
| METTL14-3'RACE-1F | GGGACGGAGAAGAATCCACCTGTTTCGG | ORF amplification |
| METTL14-3'RACE-2F | GGCTTCCGGCGCTGCGAGGACATCTG | ORF amplification |
| METTL14-5'RACE-1R | CCCTTCAAGAACGTAGAAGAGTCGGTG | ORF amplification |
| METTL14-5'RACE-2R | GGCTCCACGAGCAGCACGTCGAAC | ORF amplification |
| sgRNA-METTL3 | TAATACGACTCACTATAGGCGAACTTGTGCAGCGCGC | sgRNA synthesis |
| | GTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGCTA GTCC | |
| sgRNA-METTL14-1 | TAATACGACTCACTATAGGCCCGTGTCCACAAAGTGC | sgRNA synthesis |
| | GTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGCTA GTCC | |
| sgRNA-METTL14-4 | TAATACGACTCACTATAGGATGATCTGATCGCTGAGA | sgRNA synthesis |
| | GTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGCTA GTCC | |
| METTL3-test-F | GTCCTCTATTTCCCTCCCTGTAG | Deletion test |
| METTL3-test-R | CAATAACATTTCACAGCCACC | Deletion test |
| METTL14-test-F | GCCCCAAAACATCTCTGCAC | Deletion test |
| METTL14-test-R | CCTTCAGATCACACTTCAAGTAC | Deletion test |
| qpcr-ME3-AS1-1F | ACAGCCTTCGAGAGAAGTTGG | qRT-PCR |
| qpcr-ME3-AS1-1R | CCCCTTGTCATGTCTACTGCT | qRT-PCR |
| qpcr-ME3-AS2-1F | CGTAGTTTCGGTCGTGCCTC | qRT-PCR |
| qpcr-ME3-AS2-1R | GCTAGCAGACAGGATCAACCA | qRT-PCR |
| ME14-qPCR-1F | ACGTTCTTGAAGGGCACACA | qRT-PCR |
| ME14-qPCR-1R | GTACATAGGTGGAGTGGCCG | qRT-PCR |