

Description of Additional Supplementary Files

File Name: Supplementary Data 1 | Mass spectrometry data represented in supplementary figure 1b.

File Name: Supplementary Data 2 | Mass spectrometry data represented in supplementary figure 1c.

File Name: Supplementary Data 3 | The genomic coordinates and complete annotation of each m⁵C site. These data are represented in tables 1, table 2, supplementary table 1, figure 1 a-c and e-g, figure 3 a-c, figure 4 a-c and i-k, supplementary figure 2 b-e, supplementary figure 3 a-b, supplementary figure 4 a-c and e-g, supplementary figure 6, supplementary figure 9 a-d parts I-III.

File Name: Supplementary Data 4 | Complete analysis of positional bias of m⁵C sites in each codon and amino acid context. These data are represented in figure 1 h-l and supplementary figure 4 h-l.

File Name: Supplementary Data 5 | The m⁵C modification frequency at high confidence and reproducible m⁵C sites in ribosomal RNA across all strains. These data are represented in figure 3.

File Name: Supplementary Data 6 | Mass spectrometry data represented in figure 4 f and g.

File Name: Supplementary Data 7 | Mass spectrometry analysis represented in supplementary figure 8.