

Supporting Information S1. The benchmark dataset $S_{\xi=20}$ used to train and test the model for predicting the possibility of 5-methylcytosine site. It contains 475 positive samples and 1425 negative samples. See the main text for further explanation.

(1) List of the 475 RNA samples in the positive subset S^+

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UCGCCUCCCAUGCGGGAGAC**C**CGGGUUCAAUUCCCGGCCAC
GGCCGUGGGUGUGUAGAGGC**C**UUGGUGGUGCAGUGGUAGAA
GUGCAGUGGUAGAAUUCUCG**C**CUCCCACGUGGGAGACCCGG
UCGCCUCCCACGUGGGAGAC**C**CGGGUUCAAUUCCCGGCCAA
CGCCUCCCACGUGGGAGACC**C**GGGUUCAAUUCCCGGCCAAU
CGCCUCCCACGCGGGAGACC**C**GGGUUCAAUUCCCGGCCAAU
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GCAUUCAAAGGUUCCGGGUU**C**GAGUCCCGGCGGAGUCGUAA
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CGCUGUGGUCCCCGAGGUCC**C**GGAGCUGGCCCUGCGGGGCC
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AAGACGCCAGUAAUCAGUGC**C**CGGCUAGCUCAGUCGGUAGA
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 GUCGAUGGAUCGAAACCAUC**C**UCUGCUAUCGGAGUUUUUUC
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(2) List of the 1425 RNA samples in the negative subset S^-

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