

**Supporting Information S2.** This dataset includes the 725 methylated adenosine containing sequences and the 725 unmethylated adenosine containing sequences that have been used to train the model for identifying m<sup>6</sup>A site in *M. musculus*. All these sequences are formed by 41 nucleotides with an adenosine at the center.

**I. 725 sequences with the m<sup>6</sup>A site**

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