

Supporting Information S1. The benchmark dataset contains a positive subset formed by 1,934 N⁶-methyladenine (6mA) site containing sequences and a negative subset formed by 1,934 non-6mA site containing sequences. All these samples were derived from the genome of *Mus musculus*. Each of the samples is 41-bp long with the adenosine at the center. See the main text for further explanation.

I. The positive subset contains 1,934 6mA-site-containing sequences

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