

### **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: shRNA and oligos used in this study.

File Name: Supplementary Data 2

Description: Peak distribution of the m<sup>6</sup>Am genes in Jurkat T cells.

File Name: Supplementary Data 3

Description: m<sup>6</sup>Am genes with decreased peak density

File Name: Supplementary Data 4

Description: m<sup>6</sup>Am genes interacted with HIV under different GO categories