



Supplementary information, Fig. S9. The C-terminal of VIRMA plays a vital role in the process of m⁶A methylation. The N-terminal region (1-333) before the visible region and C-terminal region (1587-1812) after the Halter domain were truncated for RNA binding and methylation assay. **a** The binding affinities of HWVZ⁽¹¹⁰⁶⁻¹⁶⁶⁸⁾, HWV⁽¹⁻¹⁵⁸⁶⁾Z⁽¹¹⁰⁶⁻¹⁶⁶⁸⁾, and HWV⁽³³⁴⁻¹⁵⁸⁶⁾Z⁽¹¹⁰⁶⁻¹⁶⁶⁸⁾ complex with FAM-labeled actb-1 RNA from EMSA experiments. Binding curves were generated using the mean of three biologically independent experiments, with standard deviation (SD) values indicated by error bars (n = 3). **b** Actb-1 RNA N⁶-adenosine methylation activity of MAC, MAC/HWVZ⁽¹¹⁰⁶⁻¹⁶⁶⁸⁾, MAC/HWV⁽¹⁻¹⁵⁸⁶⁾Z⁽¹¹⁰⁶⁻¹⁶⁶⁸⁾, and MAC/HWV⁽³³⁴⁻¹⁵⁸⁶⁾Z⁽¹¹⁰⁶⁻¹⁶⁶⁸⁾ complex. The bar chart was generated using the mean of three biologically independent experiments, with standard deviation (SD) values indicated by error bars (n = 3).