membranes

Supplementary Material

Trimerization of the N-terminal tail of Zika virus NS4A protein: a potential *in vitro* antiviral screening assay.

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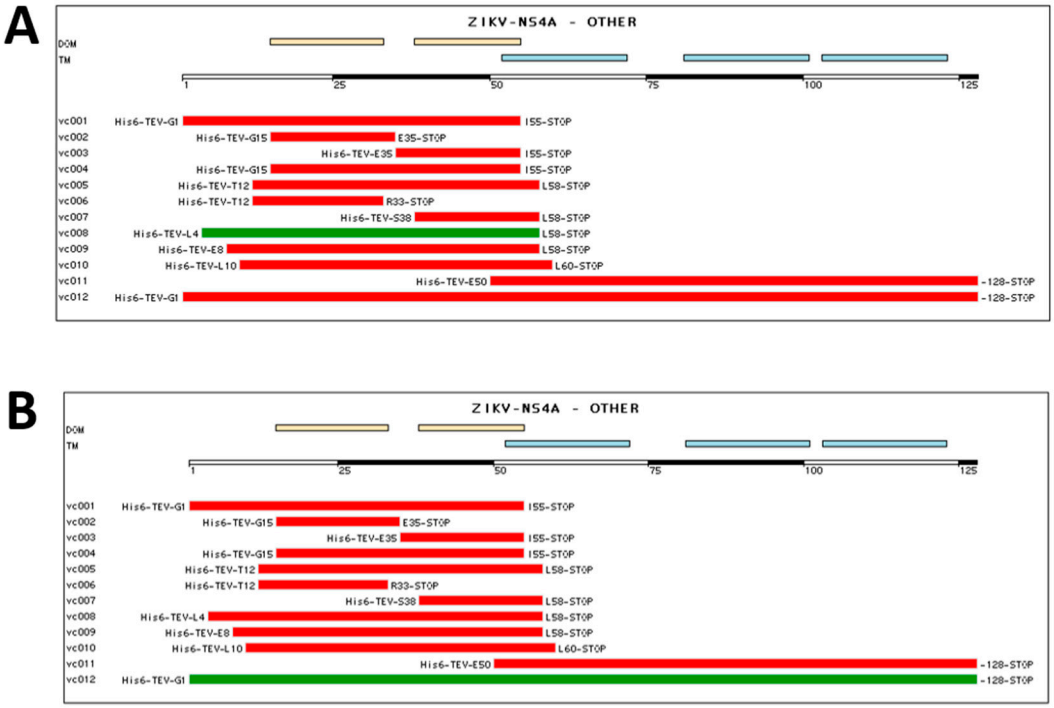

Figure S1. Aqueous-soluble (**A**) and total (**B**) expression of ZIKV NS4A constructs preceded by a TEV protease cleavage site and an N-terminal hexa-histidine affinity tag tested in the NTU Protein Production Platform (NTU PPP, Singapore) for expression screening in BL21(DE3) Rosetta T1R *E. coli* bacteria. Constructs were designed to cover different lengths of the NS4A N-terminal extramembrane domain, the three predicted transmembrane domains and the full-length protein. Only one construct (residues 4-58) (A, green bar) and the full-length protein (B, green bar) could be successfully expressed and extracted in the presence of detergents, while all other constructs (red bars) failed to express significantly.