VIROLOGICA SINICA

Electronic Supplementary Material

A Vesicular Stomatitis Virus-based Vaccine Carrying Zika Virus Capsid Protein Protects Mice from Viral Infection

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Supporting information to DOI: 10.1007/s12250-019-00083-7

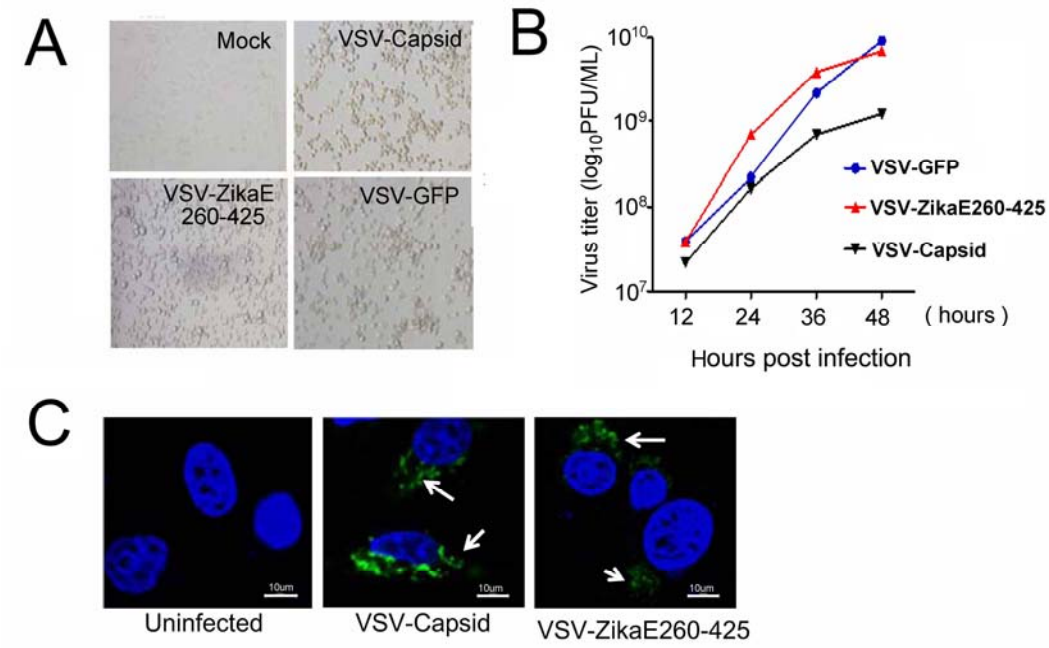

Fig. S1 Construction and characterization of recombinant VSV-ZikaE260-425 and VSV-Capsid vaccines. **A** Microscopy images of BHK-21 cells infected with VSV-ZikaE260-425 or VSV-Capsid at 24 h post-infection. Non-infected cells were used as mock control, and VSV-GFP-infected cells were used as positive controls. **B.** The growth curves of VSV-GFP, VSV-ZikaE260-425 and VSV-Capsid virus. **C.** Immunofluorescence microscopy analysis of BHK-21 cells infected with VSV-ZikaE260-425 or VSV-Capsid at 10 MOI for 12 h. Flag antibody was used to detect the ZIKV envelope and capsid proteins. Non-infected cells were used as mock controls. Scale bar =10 μm.

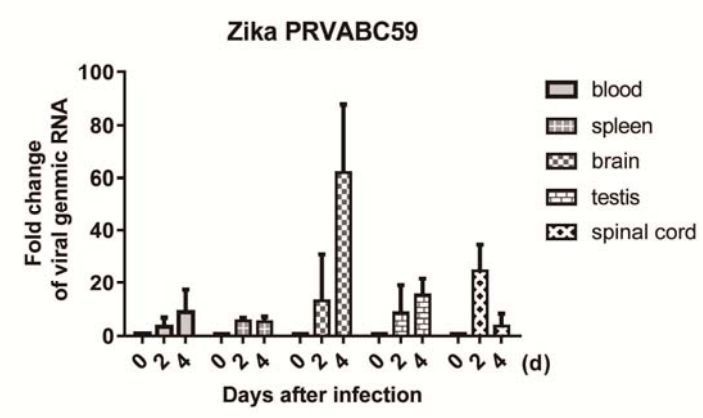

Fig. S2 The relative viral genomic RNA fold change in the blood, spleen, brain, testis, and spinal cord of mice on 0, 2, and 4 days post-infection were measured by real-time PCR. Mice were intraperitoneally injected with 10^4 PFU ZIKV PRVABC59.The relative viral RNA level was normalized with GAPDH gene and set the level of mice on 0 day as 1.