

Article

Designed DNA-Encoded IL-36 Gamma Acts As a Potent Molecular Adjuvant Enhancing Zika Synthetic DNA Vaccine-Induced Immunity and Protection in a Lethal Challenge Model

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Supplementary Materials

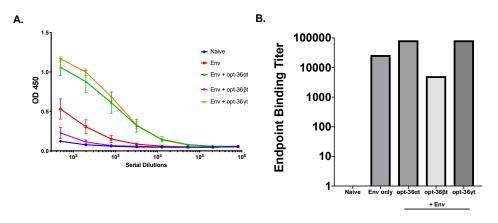
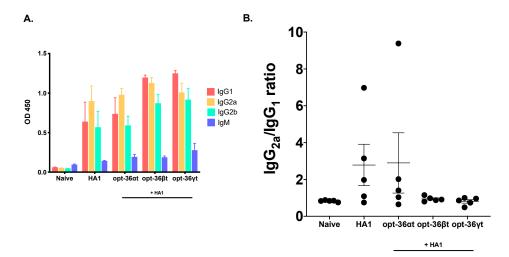
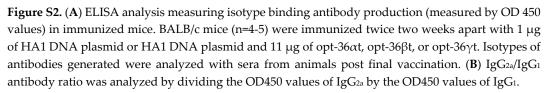


Figure S1. (**A**) ELISA analysis measuring binding antibody production (measured by OD450 values) in immunized mice. The C57BL/6 mice (n=5) were immunized intramuscularly three times three weeks apart with 2.5 μ g of HIV Env plasmid or 2.5 μ g of Env plasmid and 11 μ g of opt-36 α t, opt-36 β t, or opt-36 γ t. Binding to consensus C gp120 was analyzed with sera from animals post final vaccination. (**B**) Average endpoint titers.







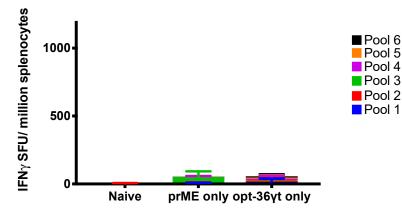


Figure S3. Induction of Zika specific cellular immune responses following vaccination with either Zika prME DNA vaccine alone or opt-36 γ t alone. ELISpot analysis measuring IFN- γ secretion in splenocytes after one immunization.

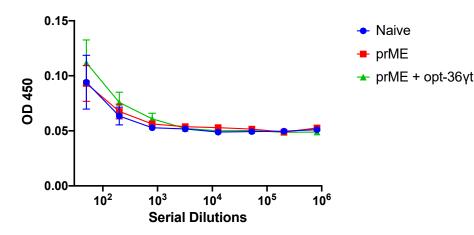


Figure S4. Induction of antigen specific antibody responses following immunization with either Zika prME DNA vaccine alone or Zika prME DNA vaccine and opt-36γt after one immunization.



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