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Humoral immune response induced with dengue virus-like particles serotypes 1 and 4 produced in silkworm

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Additional file 1

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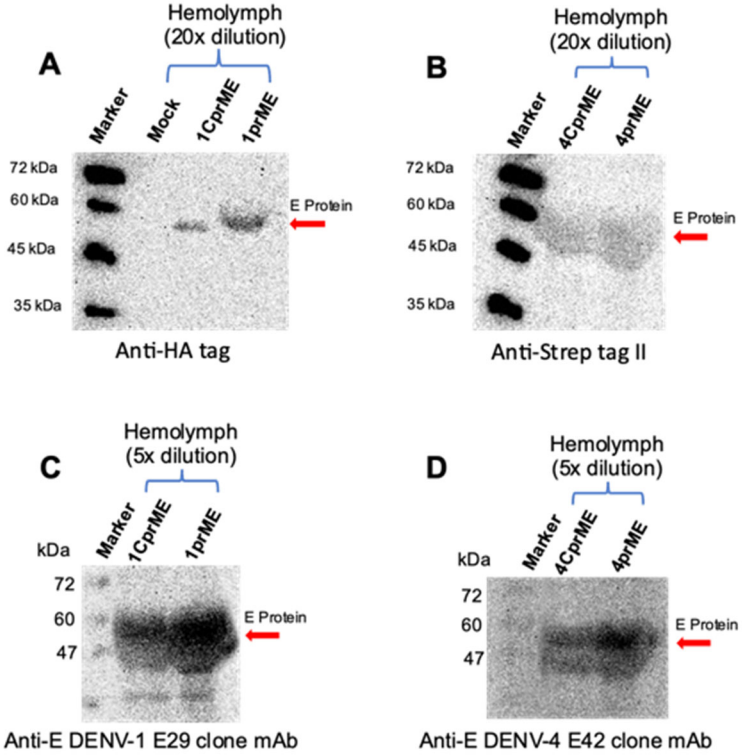

Supplementary Figure S1. **Expression of 1CprME, 1prME, 4CprME and 4prME polypeptides in silkworm larvae.** In the case of silkworm larvae, hemolymph were collected after recombinant BmNPV infection. The homogenate of each sample was prepared according to the protocol described in Materials and methods. (**A**) Expressed 1CprME, and 1prME polypeptides were detected by western blot using mouse anti-HA tag, (**B**) while 4CprME and 4prME polypeptides were detected by western blot using mouse anti-strep tag II as a primary antibody. To determine whether the purified 1CprME, 1prME, 4CprME, and 4prME polypeptides contained E proteins, western blotting was performed using specific serotype monoclonal anti-envelope antibodies, (**C**) anti-E DENV-1 E29 clone for DENV-1 constructs, and (**D**) anti-E DENV-4 E42 clone for DENV-4 constructs.