**S1 Table.** Effect of the anti-DENV scFv on DENV-2 GE in three independent mosquito lines. DENV-2 GE are shown below for WT, TADV-A, TADV-B, and TADV-C mosquito lines following a blood meal infected with the DENV-2 ET300 strain. Midgut samples were collected 4 dpi, and GE were determined using real-time RT-qPCR and calculated using previously published methods.

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| --- | --- | --- |
| **Mosquito strain** | **GE of virus RNA/mosquito midgut at 4 dpi** | **Virus-positive mosquitoes/ Total mosquitoes (% infection rate)** |
| WT | 4.5 x 104 | 24/26 (92.3%) |
| TADV-A | 6.1 x 101 | 17/37 (45.9%) |
| TADV-B | 1.5 x 102 | 25/40 (62.5%) |
| TADV-C | 2.0 x 102 | 25/35 (71.4%) |