

Supplementary Material

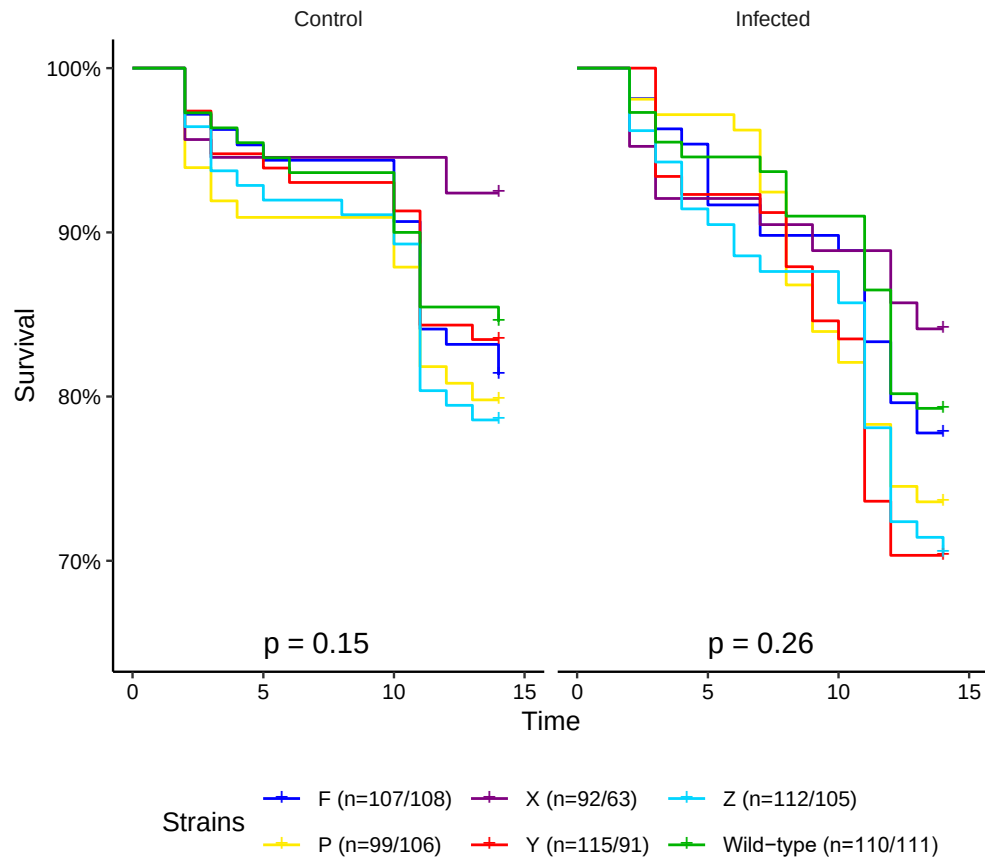


Figure S1. Survival curves of females from five transgenic lines, F, P, X, Y, and Z, and the HWE control line following intrathoracic injection of DENV-2 or cell culture supernatant. Survival curves were performed for 15 days.

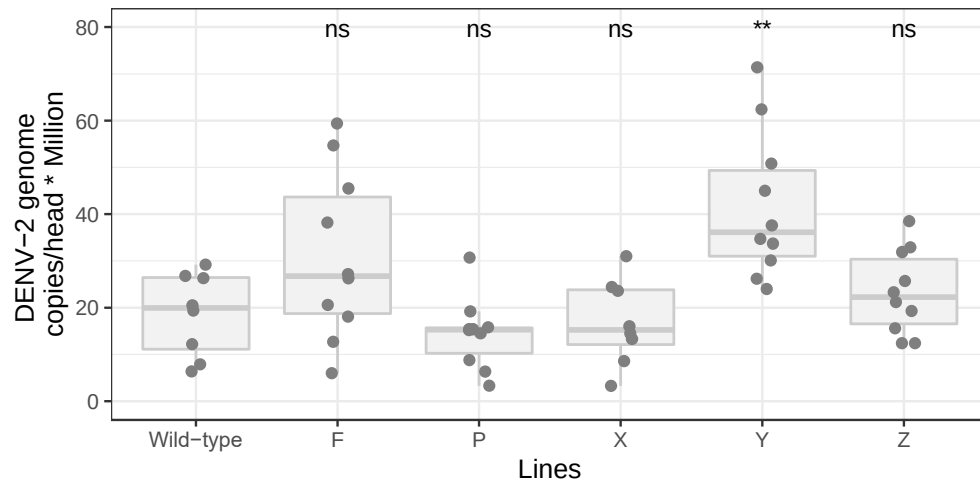


Figure S2. Median number of DENV-2 RNA copies/head (per million) detected at 15 days DPI via one-step qRT-PCR in control (HWE) females and the five transgenic lines following intrathoracic injection of the virus. The GLM procedure and the estimated marginal means (least squared mean) with a Tukey follow-up test were used for statistical analysis.

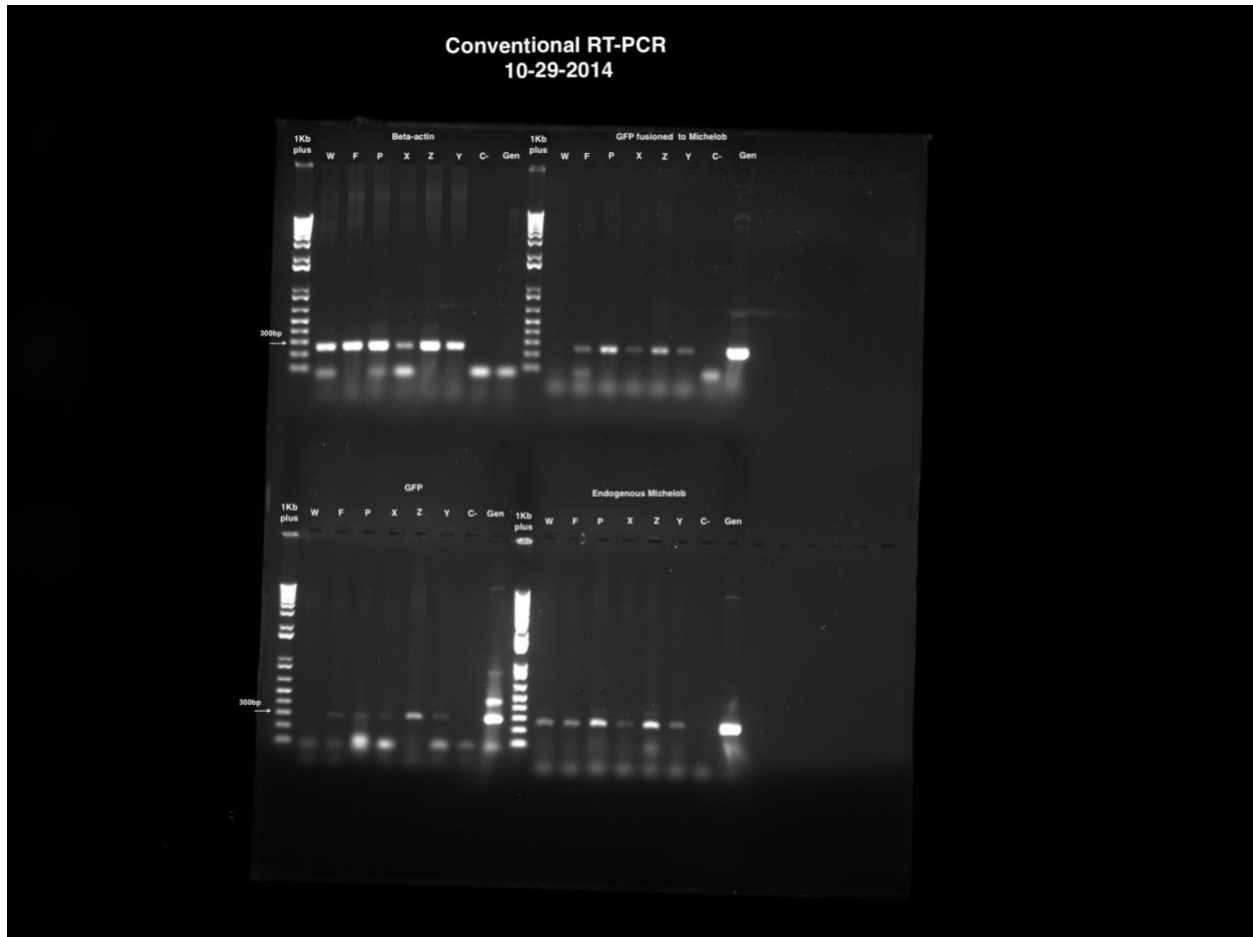


Figure S3. The original figure used to compose figure 03 of the manuscript. The upper left block (Beta-actin) corresponds to *act-1*, upper right block (GFP fused to Michelob) corresponds to *eGFP_mx*. The lower left block (GFP) corresponds to *eGFP*, and the lower right block (Endogenous Michelob) corresponds to *Aamx*. *F*, *P*, *X*, *Z*, and *Y* reference each VIPCD line, *W* corresponds to the wild-type (or WT – non-transformed line), *C-* corresponds to the negative control without DNA sample, and *Gen* represents the positive control containing genomic DNA.

Table S1. List of oligonucleotide primers used for PCR, RT-PCR, and qRT-PCR experiments.

Gene	Primer	Sequence	Fragment size	Annealing T °C
Michelob_x	M_x F	5'-AATTCCACCAACTCCTCCGT-3'	300 bp	60 °C
	M_x R	5'-GCTTGTTGCACAGCAGACAT-3'		
Actin 1	ACT F	5'-ATTGCTCCACCAGAACGTAAA-3'	300 bp	55 °C
	ACT R	5'-CAGGATTAACCTAGAAGCACT-3'		
GFP and Michelob_x	EGFP_mx F	5'-ACCACTACCTGTCGACCCAG -3'	300 bp	45 °C
	EGFP_mx R	5'-CTGCTGCTGTTGCATCATTT-3'		