

Table S1. Oligonucleotides and target regions in endpoint PCR assay.

Name	5'-3'	Amplicon	Reference
cFD2-Flavi250	GTGTCCCAGCCGCGGTGTCATCAGC	220-250bp	[1]
MAMD-Flavi250	AACATGATGGGRAARAGRGARAA	NS5	
Chik1-E2F	TAATGCTGAACTCGGGGACC	427bp chik1, chik4	[2]
nChik2-E2F	GATCAGGTAAACCGTGCCGACT	Nested 172bp nchik2, nchik3	
nChik3-E2R	CACTGACACAACCTACCACAGTCA	E2 protein	
Chik4-E2R	ACCTGCCACACCCACCATCGAC		
M2W	YAGAGCDTTTTCGCAYSTRGCHW	434bp	[3]
cM3W	ACATRAANKGNGTNGTRTCRAANCCDAYCC	Nested 270bp	

Table S2. Oligonucleotides, probes, and targets in RT-qPCR assay.

Name	5'-3'	Target (bp)
Dengue 1 NS2A	Forward: TGTTCGCTGTTGGGCTATCA Reverse: CCTAGCTCCTCCAAAGAGTTT Probe: FAM- ACGATTGGATTAAGCCTGGTGGCA	116
Dengue 2 NS2B	Forward: GGATGGTGAGCATTTTGGCC Reverse: GGCTCTCTCCAGTTCCAAATC Probe: HEX- GGCTCTCTCCAGTTCCAAATC	134
Dengue 3 NS2A	Forward: TGGGTGTCTTGTGTTTGGCAATC Reverse: GTGCGTCATGTCTCTCCATGTT Probe: FAM-TTGTGCTCCTTCTCTCAGGGCAA	137
Dengue 4 3'UTR	Forward: CGCGTGGCATATTGGACTAC Reverse: GTGCGTCATGTCTCTCCATGTT Probe: HEX-CCATCACCAACGAAACGCAGCAAA	125
Yellow Fever	Forward: TGCCATGCCACCCTAACTTA Reverse: CAACCTCTAGCGGCTATGCTA Probe: Cy3-TGGAACCAACTAGGGTTGTAACTGGG	116
Zika GP1	Forward: CTGGCATCATGAAGAATCCCG Reverse: CACTTGTCCCATCTTCTTCTCC Probe: HEX-TGGAATAGTGGTGACTGACATTGACACA	98
Chikungunya E2	Forward: CGTAACAGTGATCCCGAAC Reverse: CAGTAGTTCATCTCCAATACC Probe: Cy3-ACGGTGGGAGTACCGTATAAGACTCT	94

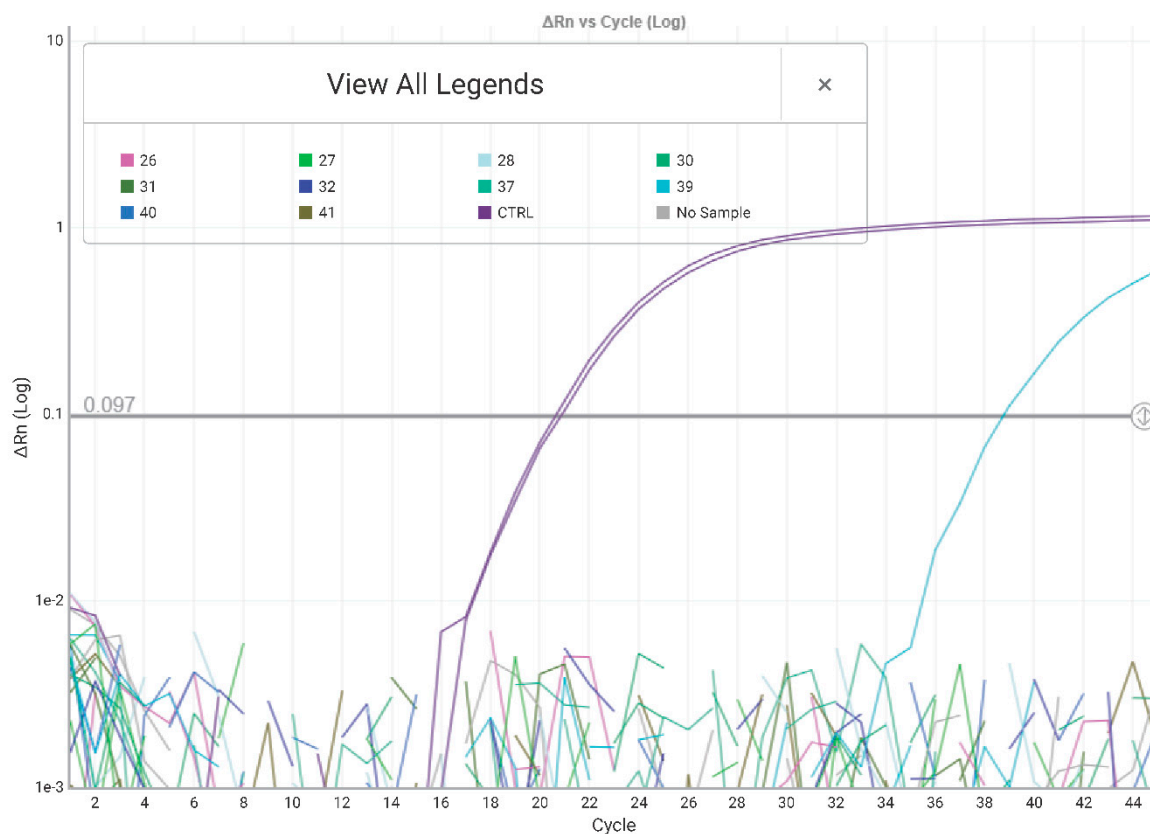


Figure S1. Reaction curve of *Ae. albopictus* female specimen (39) in amplification plot in RT-qPCR.

References

1. Scaramozzino, N.; Crance, J.-M.; Jouan, A.; DeBriel, D.A.; Stoll, F.; Garin, D. Comparison of Flavivirus Universal Primer Pairs and Development of a Rapid, Highly Sensitive Heminested Reverse Transcription-PCR Assay for Detection of Flaviviruses Targeted to a Conserved Region of the NS5 Gene Sequences. *J. Clin. Microbiol.* **2001**, *39*, 1922–1927, doi:10.1128/JCM.39.5.1922-1927.2001.
2. Pfeffer, M.; Linssen, B.; Parker, M.D.; Kinney, R.M. Specific Detection of Chikungunya Virus Using a RT-PCR/Nested PCR Combination. *J. Vet. Med. Series. B* **2002**, *49*, 49–54, doi:10.1046/j.1439-0450.2002.00535.x.
3. de Moraes Bronzoni, R.V.; Baleotti, F.G.; Ribeiro Nogueira, R.M.; Nunes, M.; Moraes Figueiredo, L.T. Duplex reverse transcription-PCR followed by nested PCR assays for detection and identification of Brazilian alphaviruses and flaviviruses. *J. Clin. Microbiol.* **2005**, *43*, 696–702, doi:10.1128/JCM.43.2.696-702.2005.