Supplementary Figures

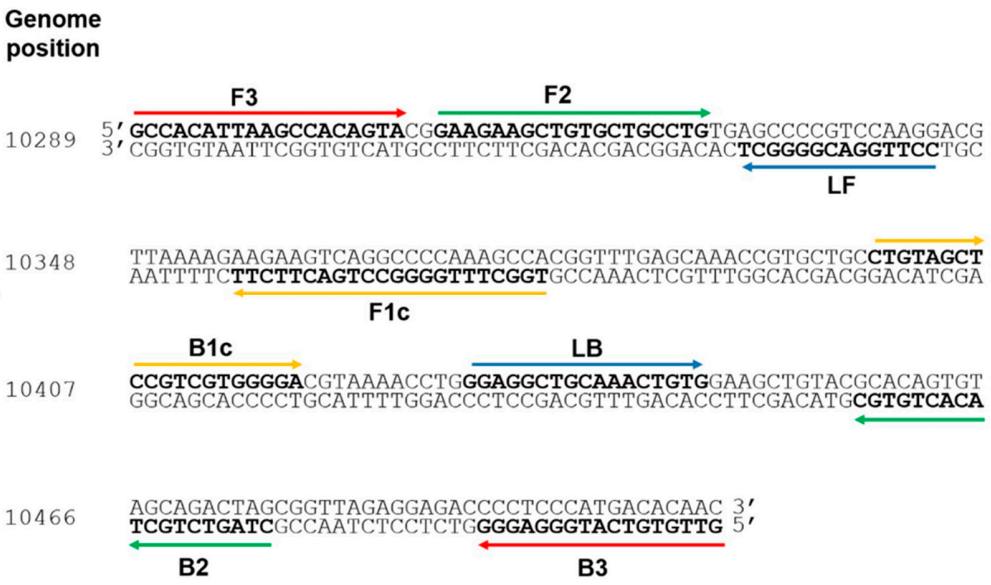


Figure S1. RT-LAMP primer design targeting the DENV-3 3′ UTR. Schematic representation of the hybridization regions of the RT-LAMP primer set designed for detection of DENV-3. Internal primers (FIP and BIP) consist of the F2 and B2 sequences, respectively, linked at their 5′ ends to the complementary sequences F1c and B1c through a poly-T linker. F3/B3: external primers; LF/LB: loop primers. Arrows indicate the direction of DNA synthesis for each primer.

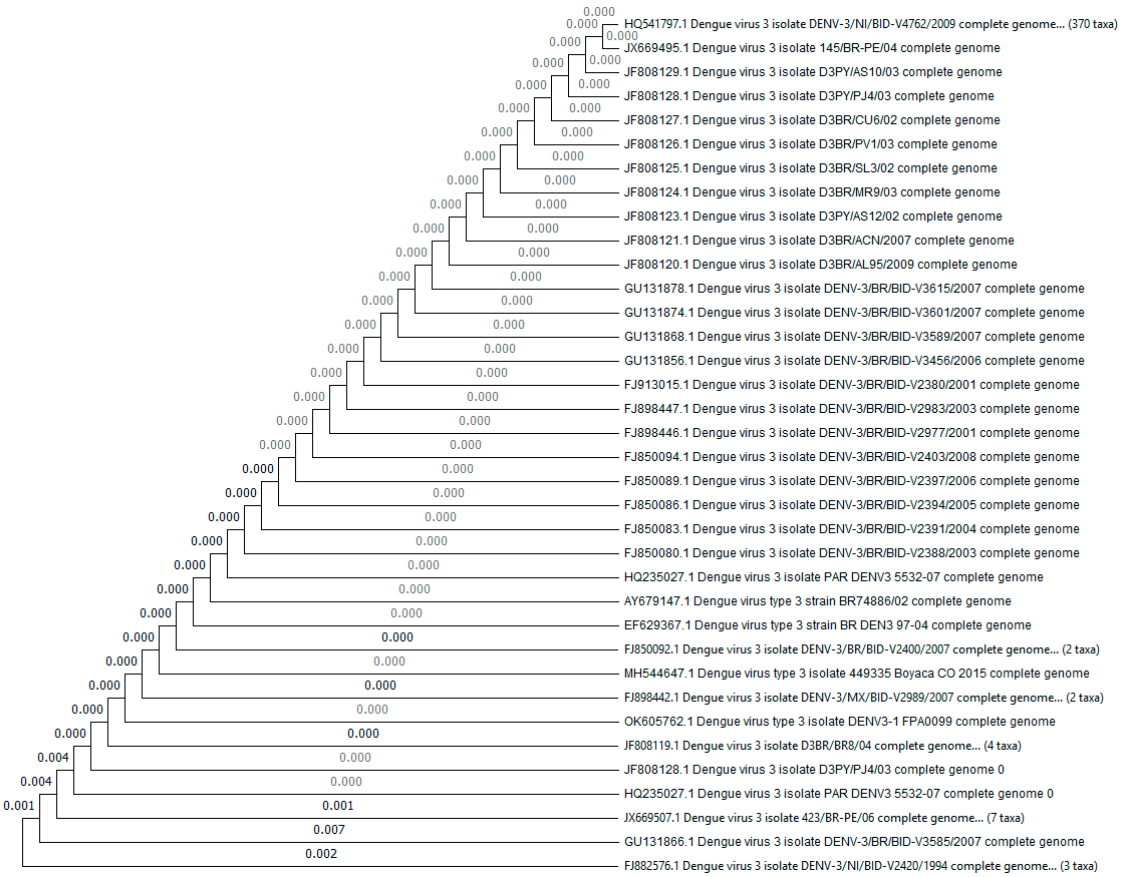


Figure S2. Neighbor-joining tree with 426 sequences of 218 pb of 3′UTR RT-LAMP DENV-3 blank region. Sequences available in NCBI Genebank from American isolates.

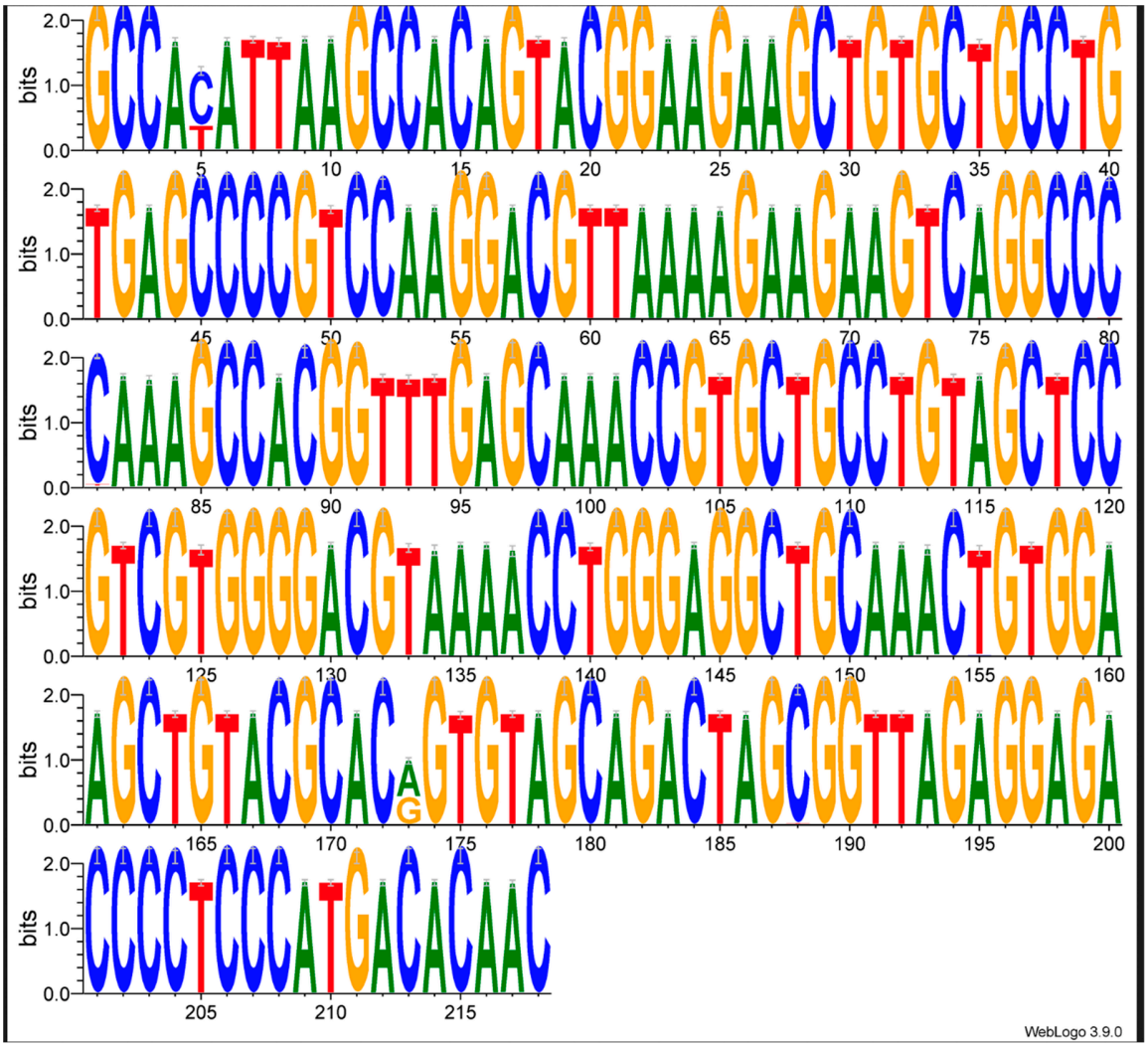


Figure S3. Logo sequence of the amplification region of the DENV-3 RT-LAMP system.

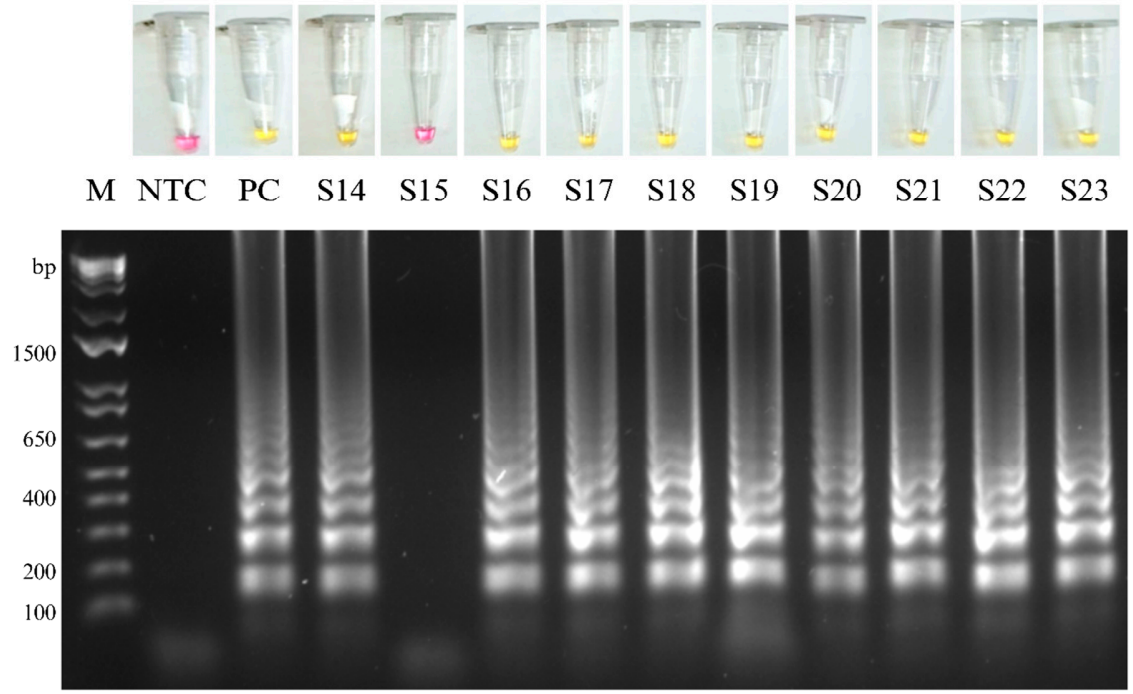


Figure S4. DENV-3 positive samples by RT-LAMP. RNA serum samples from patients diagnosed as positive or negative for DENV-3 by RT-qPCR were used to validate the RT-LAMP DENV-3. A representative gel showing the positive and negative results of samples S14 to S23 is shown. Yellow reactions are considered positive and red reactions are considered negative. M (marker); NTC (negative control); PC (positive control).