

Figure S1. Multi-sequence alignment by MEGA and conserved region selection for DENV1-4 primers design. The color sequence corresponds to the consensus conserved region. (A): Conserve region selected for DENVcon F in position 137-164, DENV-1 R in position 309-336, DENV-2 R in position 480-503, DENV-4 R in position 228-254; (B): Conserve region selected for DENV-3 q F in position 1219-1240 and DENV-3 R in position 1855-1875 for mRT-qPCR using.

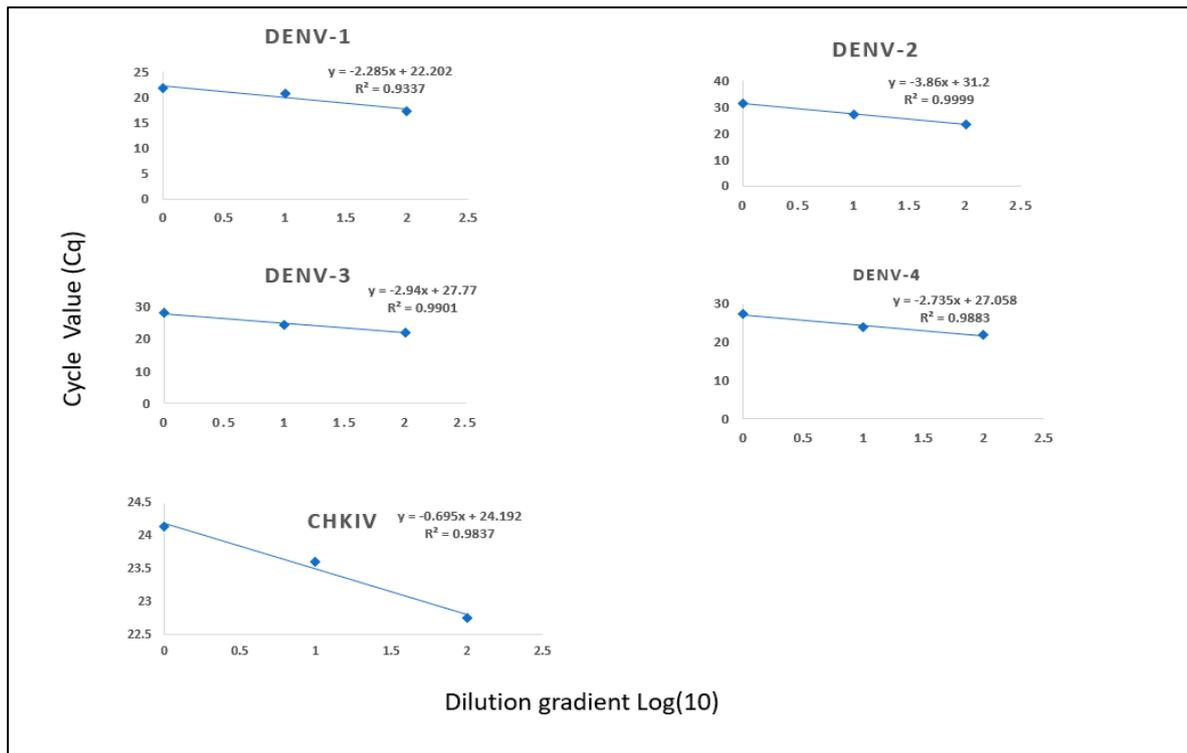


Figure S3. Standard curves of dengue virus DENV 1-4 and CHIKV in mRT-qPCR. Cycle threshold (C_t) values obtained for serial 10-fold dilutions of known concentration of DENV 1-4 and CHIKV RNA has been used to draw a linear curve against the amounts of standard RNA copy number (from 10^2 to 10^0 copies/ μ L). the assays were performed in triplicate.

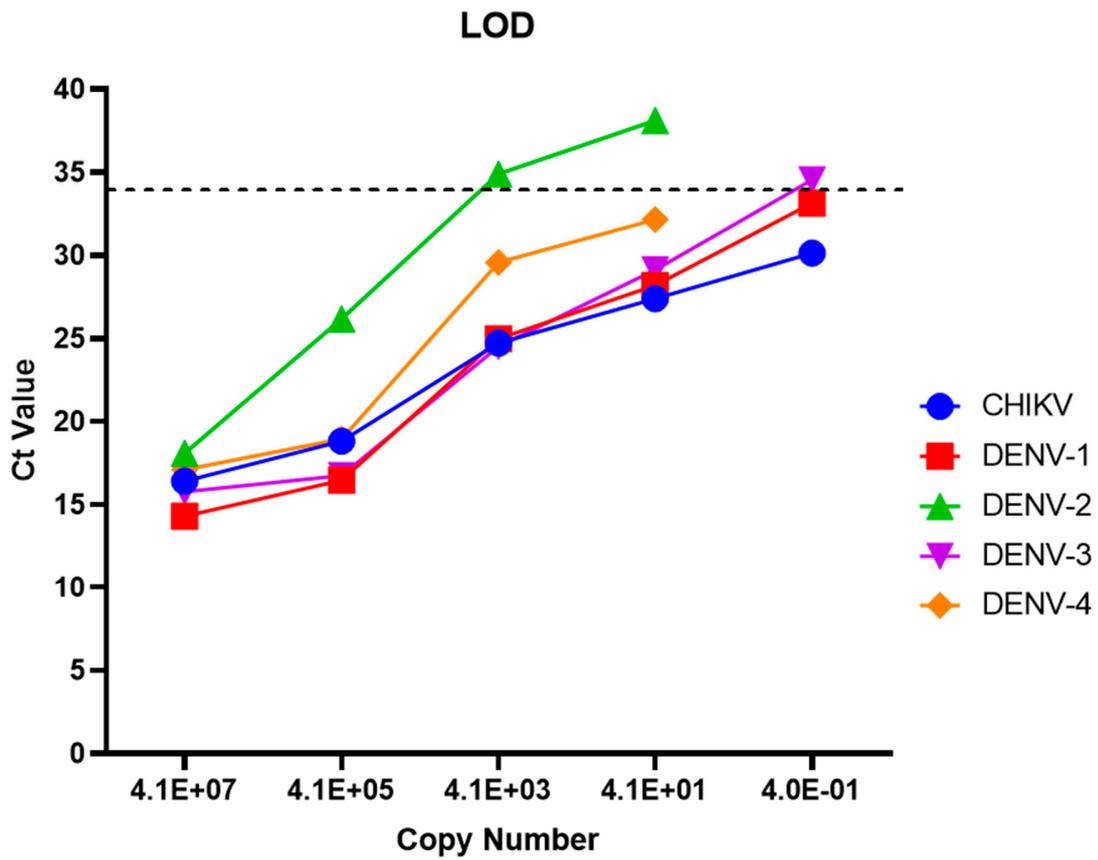


Figure S4: Standard curves of dengue virus DENV 1-4 and CHIKV in mRT-qPCR. Cycle threshold (C_t) values obtained for serial 100-fold dilutions of known concentration of DENV 1-4 and CHIKV RNA has been used to draw a linear curve against the amounts of standard RNA copy number. The assays were performed in triplicate. The dotted line represents the detection limit i.e. C_t value of 34.