**S1 Table. Primers for DENV-2 ORF Sequencing**

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| **PCR fragment**  **Size (bp)** | **Primer** | **Primer sequence** |
| FID1  809 bp | d2s1CC | GAT GAG GGA AGA TGG GGA GTT GTT AGT CTA CGT GGA C |
| d2M27Bb | TTT CCA GGC CCC TTC TGA TGA CAT CCA |
| FID2  1984 bp | d2-518F | ACC CTT ATG GCC ATG GAC CTT G |
| d2E+34Bb | GGA ACT TGT ATT GTT CTG TCC |
| FID2 a | d2-E420F | GAT AAC ACC TCA CTC AG |
| d2-E712R | CCA ATG TCT CCT TCT GTA TC |
| FID3  1923 bp | d2-2000F | CAG CCC AGT CAA CAT AGA AG |
| d2-3921Bb | GGG ACG CAC AAG ATG GCC |
| FID4  1539 bp | d2-2940Ab | CAA AAC TCA TGT CCT AAT GC |
| d2-4512Bb | ACA GGT ACC ATG CTG CTG C |
| FID5  1682 bp | d2-4119Ab | ARC AAG AAA AGG AGC TGG CC |
| d2-5812Bb | CGT CTG GGG TCT ATA ACC C |
| FID6  1475 bp | d2-5425F | CAT GAC AGC TAC TCC TCC TG |
| d2-6911R | CTG ATG CAG GAC GTA GAT C |
| FID7  1866 bp | d2-5798F | CTA ACA GAC GGT GAA GAG CG |
| d2-7663R | GGT TCT ATC CAC CTC CTG |
| FID8  1644 bp | d2-7240Ab | GCG GGC ATC ATG AAA AAC CC |
| d2-8885Bb | TTC CTT GTC AAC CAG CTC CC |
| FID9  1785 bp | d2-8585Ab | ACA GAT GGC AAT GAC AGA CAC |
| d2-10370Bb | TAA CGT CCT TGG ACG GGG |
| FID10  500 bp | d2-10204Ab | TAC ACA GAT TAC ATG CCA TCC |
| d2-10704Bb | CAC CAT TCC ATT TTC TGG CG |

a. Ten primer pairs designed to amplify and sequence ORF of DENV-2 virus. FID2 fragment is the longest of 10 fragments. Two internal primers were used to improve the quality of sequence.

b. Primers from reference [22].

c. Primers from reference [S1 Table reference 1].

References

1. Christenbury JG, Aw PP, Ong SH, Schreiber MJ, Chow A, Gubler DJ, et al. A method for full genome sequencing of all four serotypes of the dengue virus. Journal of virological methods. 2010;169(1):202-6.