**S4 Table. Primers used in dengue envelope protein deep sequencing**

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| **Primers** | **Fragment size (bp)** | **Position** | **Primer sequence** |
| Forward primer's Tag | TCGTCGGCAGCGTCAGATGTGTATAAGAGACAG |
| Revers primer's Tag | GTCTCGTGGGCTCGGAGATGTGTATAAGAGACAG |
| Tag-E1-F | 493 bp | 884 | TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG TCC CGA GAG TCC TGA TTT |
| Tag-E1-R |  | 1376 | GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GTC CCC TGA GTG AGG TGT TAT |
| Tag-E2-F | 461 bp | 1310 | TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG TGG AAG GTA AAG TCG TGC |
| Tag-E2-R |  | 1770 | GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GCA GTA AGT TTC CTG ATG AC |
| nTag-E3-F | 438 bp | 1616 | TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG AAG GAT CAA ATT GGA TAC AG |
| nTag-E3-R |  | 2053 | GTC TCG TGG GCT CGG AGA TGT GTA TAA GAG ACA GAT GGA GGT TCT GCT TCT AT |
| Tag-E4-F | 499 bp | 2026 | TCG TCG GCA GCG TCA GAT GTG TAT AAG AGA CAG CCA GTC ACC ATA GAA GCA G |
| Tag-E4-R |  | 2524 | GTC TCG TGG GCT CG GAG ATG TGT ATA AGA GAC AGG GAA CTT GTA TTG TTC TGT CC |