



**Supplementary Figure 5:** Phylogenetic analysis of Cassava Common Mosaic Virus (CsCMV) Triple gene block (TGB)3. MEGA12 was utilized to infer the phylogenetic tree by constructing maximum likelihood phylogenetic trees, using best-fit substitution models LG + G + I, with 1,000 bootstrap replicates. Virus sequences were downloaded from the National Center for Biotechnology Information (NCBI) database. Alexiviruses were used as an outgroup.