



Phylogenetic analysis of GDSL-like lipase/acylhydrolase domain sequences from 13 CE genes. These 13 genes were annotated as CE3 by dbCAN method. The annotated CE2, CE3, CE12 genes in CAZy database and other annotated CE12 genes in this study were used to build the neighbour-joining tree using TreeBeST with the p-distance model (bootstrap 1000). The tree showed that these 13 genes could not be clustered with other CE3 genes.