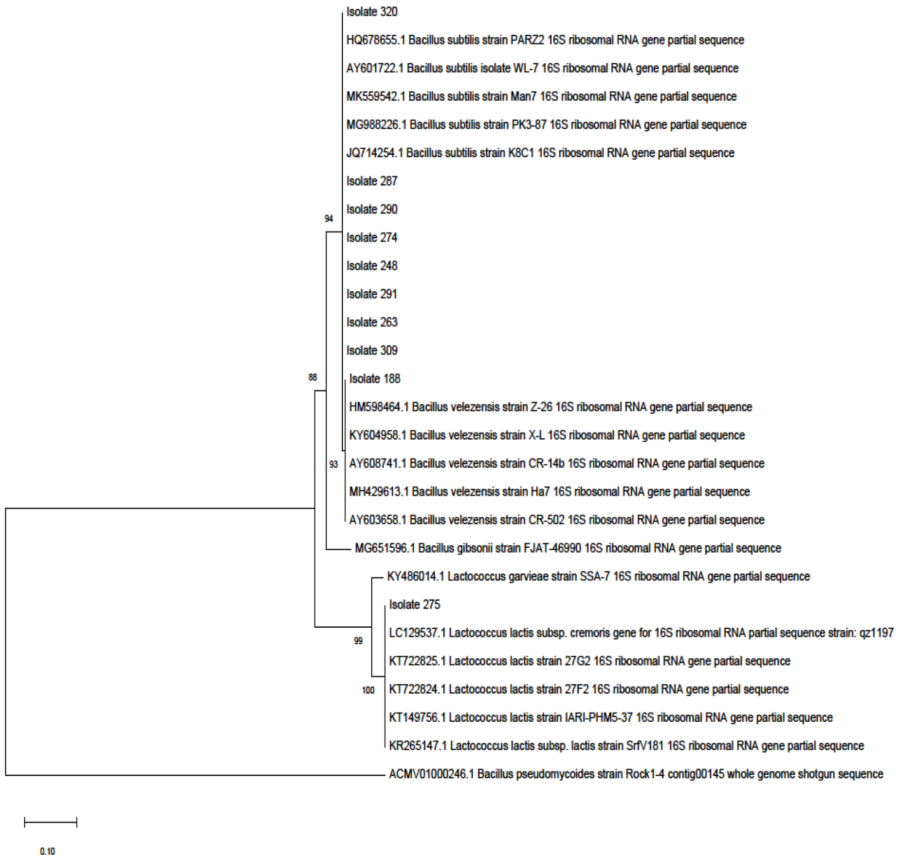

S1 - Phylogenetic tree based on the nucleotide sequence of microorganisms obtained from the NCBI database (number of indicated accession), showing the phylogenetic relationship with the isolates *Bacillus subtilis* 290.