

Production, Statistical Optimization, and Functional Characterization of Alkali Stable Pectate Lyase of *Paenibacillus lactis* PKC5 for use in Juice Clarification

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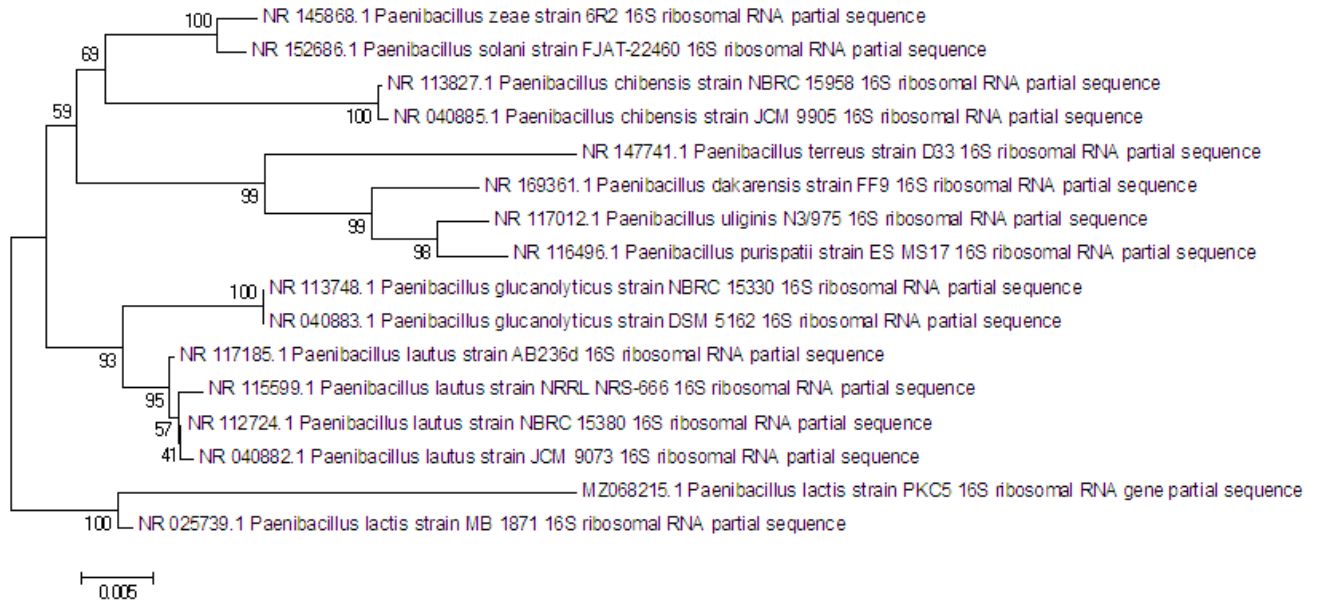


Figure S1a. Phylogenetic tree formed based on the 16S rRNA gene sequences of *Paenibacillus lactis* strain PKC5 with other *Paenibacillus* sp. obtained from GenBank database. The accession number has been represented before their name in the tree.

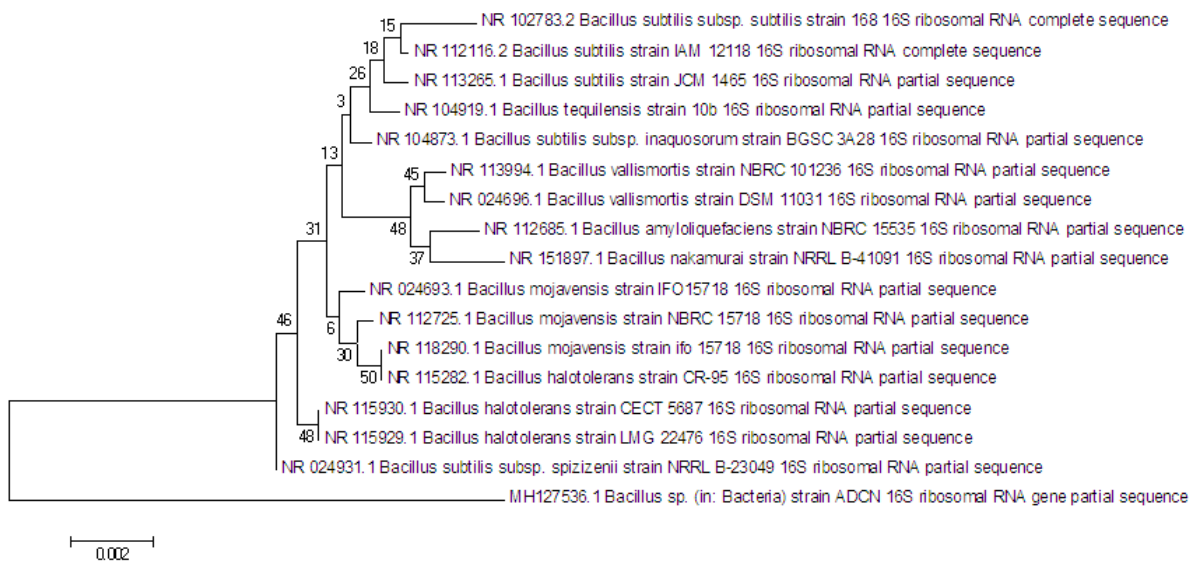


Figure S1b. Phylogenetic tree formed based on the 16S rRNA gene sequences of *Bacillus* sp. with another *Bacillus* sp. obtained from GenBank database. The accession number has been represented before their name in the tree.

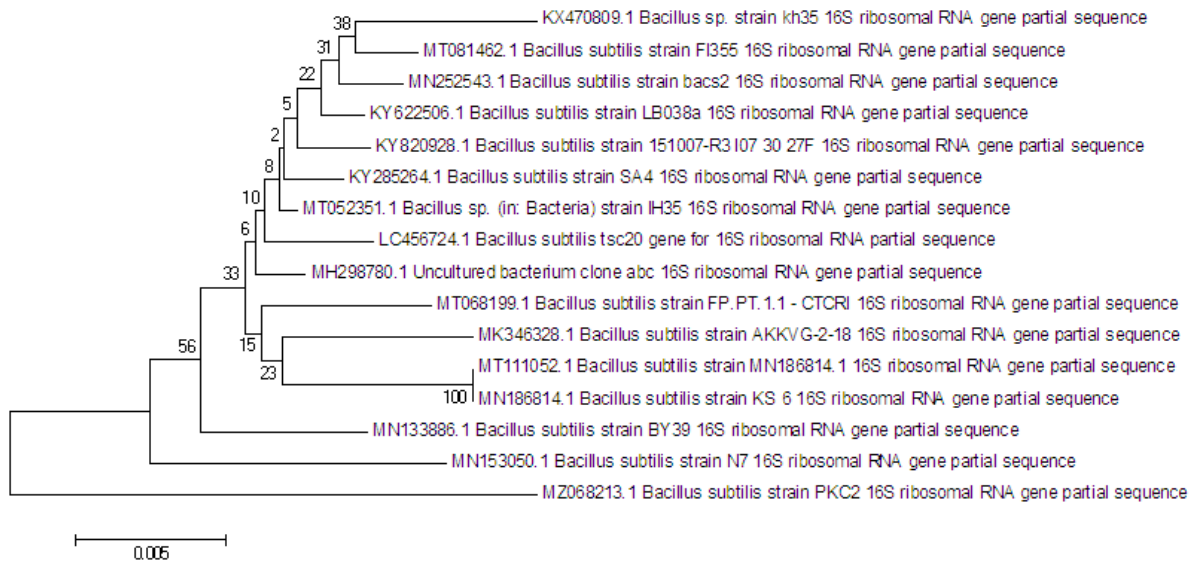


Figure S1c. Phylogenetic tree formed based on the 16S rRNA gene sequences of *Bacillus Subtilis* strain PKC2 with other *Bacillus* sp. obtained from GenBank database. The accession number has been represented before their name in the tree.

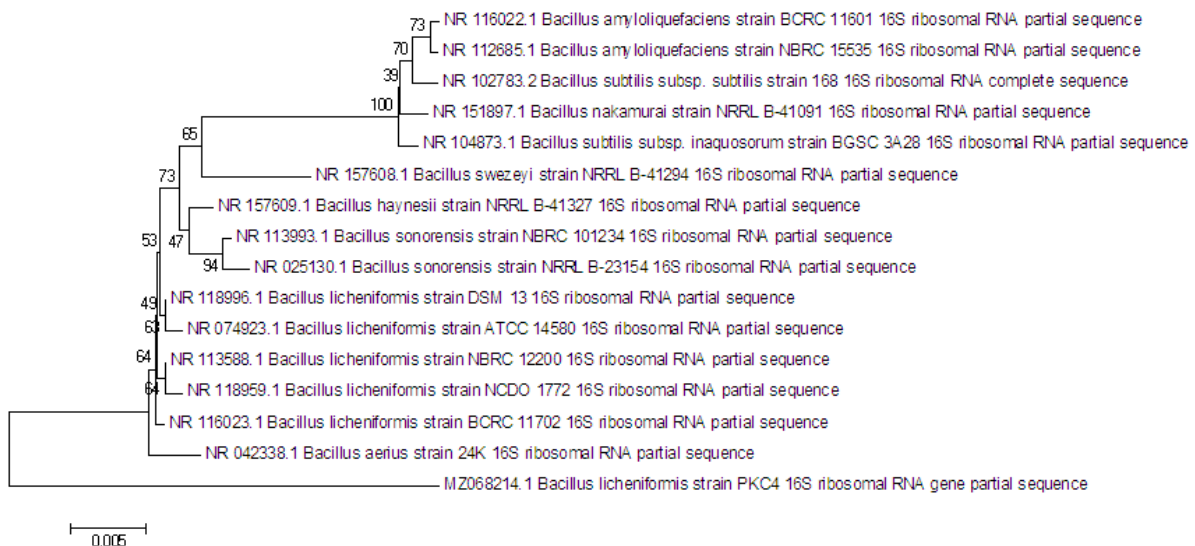


Figure S1d. Phylogenetic tree formed based on the 16S rRNA gene sequences of *Bacillus Licheniformis* strain PKC4 with other *Bacillus Licheniformis* obtained from GenBank database. The accession number has been represented before their name in the tree.