

Genus *Pristimantibacillus*

Etymology

[Pris.ti.man.ti.ba.cil'lus] N.L. masc. n. *Pristimantis*, from Pristimantis natural reserve, where soil samples were taken to select the minimal lignocellulolytic bacterial consortium including a member of this taxon; L. masc. n. *bacillus*, little staff, a rod; N.L. masc. n. *Pristimantibacillus*, a rod-shaped cell from Pristimantis natural reserve

Nomenclatural type

Species *Pristimantibacillus lignocellulolyticus*^{Ts}

Description

A genus established on the basis of MiGA taxonomic novelty analyses, AAI, dDDH, 16S rRNA gene phylogenetic reconstruction, and phylogenomic analyses and is classified as a member of the *Paenibacillaceae* family. The type species of the genus is *Pristimantibacillus lignocellulolyticus*.

Classification

Bacteria » *Bacillota* » *Bacilli* » *Caryophanales* » *Paenibacillaceae* » *Pristimantibacillus*

References

Effective publication: Díaz Rodríguez et al., 2022 [1]

Registry URL

<https://seqco.de/i:23509>

References

1. Díaz Rodríguez et al. (2022). Novel bacterial taxa in a minimal lignocellulolytic consortium and their potential for lignin and plastics transformation. *ISME Communications*. DOI:10.1038/s43705-022-00176-7