

Species *Sphingomonas colombiensis*

Etymology

[co.lom.bi.en'sis] N.L. fem. adj. *colombiensis*, belonging to Colombia

Nomenclatural type

[INSDC Nucleotide: CP119315](#)^{Ts}

Description

A species established on the basis of MiGA taxonomic novelty analyses, AAI, dDDH, 16S rRNA gene phylogenetic reconstruction and the type material is the genome MAG_27. Genomic metrics include ANI (85.46), AAI (66.97) and dDDH d4 (20.8). The MAG was reconstructed from lignocellulolytic bacterial consortium and encoded for 59 CAZymes, 10 of them involved in lignocellulose degradation. In addition, putative genes for PET hydrolysis were found within the MAG.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Sphingomonadales* » *Sphingomonadaceae* » *Sphingomonas* » *Sphingomonas colombiensis*

References

Effective publication: Díaz-García et al., 2024 [1]

Registry URL

<https://seqco.de/i:24102>

References

1. Díaz-García et al. (2024). Andean soil-derived lignocellulolytic bacterial consortium as a source of novel taxa and putative plastic-active enzymes. *Systematic and Applied Microbiology*. DOI:[10.1016/j.syapm.2023.126485](https://doi.org/10.1016/j.syapm.2023.126485)