

Species *Mangrovimarina plasticivorans*^{Ts}

Etymology

[plas.ti.ci.vo'rans] N.L. neut. n. *plasticum*, plastic; L. pres. part. *vorans*, devouring, destroying; N.L. part. adj. *plasticivorans*, plastic-devouring referring to ability of organism to catabolize the plastic

Nomenclatural type

[NCBI Assembly: GCA_963966365.1](#)^{Ts}

Description

A species established on the basis of MiGA taxonomic novelty analyses, ANI, AAI, phylogenomic tree, and the type material is the genome MAG11A_P8. The MAG was reconstructed from PET-transforming bacterial consortium and encoded for two putative monohydroxyethyl terephthalate hydrolases. In addition, genes involved in PET-monomers catabolism were found within the genome.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Hyphomicrobiales* » *Rhizobiaceae* » *Mangrovimarina* » *Mangrovimarina plasticivorans*^{Ts}

References

Effective publication: Jiménez et al., 2024 [1]

Registry URL

<https://seqco.de/i:44055>

References

1. Jiménez et al. (2024). Engineering the mangrove soil microbiome for selection of polyethylene terephthalate-transforming bacterial consortia. *Trends in Biotechnology*. [DOI:10.1016/j.tibtech.2024.08.013](https://doi.org/10.1016/j.tibtech.2024.08.013)