

Genus *Amarobacillus*

Etymology

[A.ma.ro.ba.cil'lus] Gr. fem. n. *amara*, trench, conduit, here a sewage conduit; N.L. masc. n. *bacillus*, rod-shaped bacterium; N.L. masc. n. *Amarobacillus*, rod-shaped bacterium from activated sludge

Nomenclatural type

Species *Amarobacillus elongatus*^{Ts}

Description

A genus established on the basis of MiGA taxonomic novelty analyses, ANI, 16S rRNA gene phylogenetic reconstruction, FISH and phylogenomic analyses and is classified as a member of the Tepidiformaceae family. The type species of the genus is *Amarobacillus elongatus*.

Classification

Bacteria » *Chloroflexota* » *Tepidiformia* » *Tepidiformales* » *Tepidiformaceae* » *Amarobacillus*

References

Effective publication: Petriglieri et al., 2023 [1]

Registry URL

<https://seqco.de/i:44013>

References

1. Petriglieri et al. (2023). A comprehensive overview of the Chloroflexota community in wastewater treatment plants worldwide. *mSystems*. DOI:10.1128/msystems.00667-23