

Genus *Flexifilum*

Etymology

[Fle.xi.fi'lum] L. **masc. part.** *flexus*, bent; L. **neut. n.** *filum*, thread; **N.L. neut. n.** *Flexifilum*, bent-shaped filamentous bacterium

Nomenclatural type

Species *Flexifilum breve*^{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 Promineofilaceae family. The type species of the genus is *Flexifilum breve*.

Classification

Bacteria » *Chloroflexota* » *Anaerolineae* » *Aggregatilineales* » *Flexifilaceae* » *Flexifilum*

References

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

Registry URL

<https://seqco.de/i:44000>

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](https://doi.org/10.1128/msystems.00667-23)