

Genus *Endomicrobiellum*

Etymology

[En.do.mi.cro.bi.ell'um] Gr. pref. *endon*, within; N.L. neut. n. *microbium*, microbe; L. neut. dim. n. suff. *-ellum*, diminutive ending; N.L. neut. dim. n. *Endomicrobiellum*, a small microbe that occurs within (a host cell).

Nomenclatural type

Species *Endomicrobiellum trichonymphae*^{Ts}

Description

A bacterial genus identified by genomic, single-cell amplified genomes and metagenome-assembled genome. All members of the genus are intracellular symbionts of termite gut flagellates. The genus is defined by phylogenomic analysis as a monophyletic group that shows a relative evolutionary divergence (RED) similar to that of the neighboring genera.

Classification

Bacteria » *Elusimicrobiota* » *Endomicrobiia* » *Endomicrobiales* » *Endomicrobiaceae* » *Endomicrobiellum*

References

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

Registry URL

<https://seqco.de/i:24027>

References

1. Mies et al. (2024). Genome reduction and horizontal gene transfer in the evolution of Endomicrobia—rise and fall of an intracellular symbiosis with termite gut flagellates. *mBio*. DOI:10.1128/mbio.00826-24