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