

Order *Lyneplasmatales*

Etymology

[ly.ne.plas.ma.ta'les] **N.L. neut.** *Lyneplasma*, the type genus of the order; **L. fem. pl. suff.** -*ales*, ending to denote an order; **N.L. fem. pl. n.** *Lyneplasmatales*, the Lyneplasma order

Nomenclatural type

Genus *Lyneplasma*

Description

Order established on the basis of phylogenomic comparisons to GTDB R226. Formerly known as order TCS64 in GTDB R226. The description of the order is the same as for the family *Lyneplasmataceae*. The type genus is *Lyneplasma*.

Classification

Archaea » “Bathyarchaeota” » *Bathyarchaeia* » *Lyneplasmatales*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:54443>

References

1. Sereika et al. (2025). Genome-resolved long-read sequencing expands known microbial diversity across terrestrial habitats. *Nature Microbiology*. DOI:10.1038/s41564-025-02062-z