

Order *Penumbrarchaeales*

Etymology

[Pe.num.brar.chae.a'les] **N.L. neut. n.** *Penumbrarchaeum*, referring to the type genus *Penumbrarchaeum*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Penumbrarchaeales*, the *Penumbrarchaeum* order

Nomenclatural type

Genus *Penumbrarchaeum*

Description

The description is the same as for *Candidatus Penumbrarchaeum* gen. nov. with the following additions: *Candidatus Penumbrarchaeales* ord. nov. was previously known as “EX4484-6” and comprises two families *Candidatus Penumbrarchaeaceae* fam. nov. and Family 1B, previously known as “EX4484-36”.

Classification

Archaea » *Thermoplasmatota* » *Penumbrarchaeia* » *Penumbrarchaeales*

References

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

Registry URL

<https://seqco.de/i:49914>

References

1. Maeke et al. (2025). Extensive data mining uncovers novel diversity among members of the rare biosphere within the Thermoplasmatota. *Microbiome*. DOI:10.1186/s40168-025-02140-8