

Family *Penumbrarchaeaceae*

Etymology

[Pe.num.brar.chae.a'ce.ae] **N.L. neut. n.** *Penumbrarchaeum*, referring to the type genus *Penumbrarchaeum*; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Penumbrarchaeaceae*, the *Penumbrarchaeum* family

Nomenclatural type

Genus *Penumbrarchaeum*

Description

The description is the same as for *Candidatus Penumbrarchaeum* gen. nov. with the following additions: *Candidatus Penumbrarchaeaceae* was previously known as the family “EX4484-6”. Members of the family were inferred to be found in sediments of marine and freshwater origin as well as cold seeps. Type genus: *Candidatus Penumbrarchaeum* gen. nov.

Classification

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

References

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

Registry URL

<https://seqco.de/i:49915>

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](https://doi.org/10.1186/s40168-025-02140-8)