

Family *Poseidoniaceae*

Etymology

[Po.se.i.do.ni.a'ce.ae] N.L. **fem. n.** *Poseidonia*, referring to the type genus *Poseidonia*; *-aceae*, ending to denote a family; N.L. **fem. pl. n.** *Poseidoniaceae*, the *Poseidonia* family

Nomenclatural type

Genus *Poseidonia*

Description

The description is the same as for *Poseidonia* gen. nov. with the following additions. *Poseidoniaceae* fam. nov. was previously known as and “**Group II- α** ” and “**Marine Group IIa**”. Eleven genus-level clades I, J1, J2, J3, K1, K2, L1, L2, L3, L4, and *Poseidonia* (M) representing the rank of genera were assigned to this family. All members of the family were inferred to be marine, motile heterotrophs, encoding phototrophic and non-phototrophic lifestyles with a distribution from surface waters to the deep sea (1m-500m). Type genus: *Poseidonia* gen. nov.

Classification

Archaea » “*Poseidoniota*” » *Poseidoniia* » *Poseidoniales* » *Poseidoniaceae*

References

Effective publication: Rinke et al., 2019 [1]

Registry URL

<https://seqco.de/i:41476>

References

1. Rinke et al. (2019). A phylogenomic and ecological analysis of the globally abundant Marine Group II archaea *Ca.* *Poseidoniales* ord. nov.). *The ISME Journal*. DOI:[10.1038/s41396-018-0282-y](https://doi.org/10.1038/s41396-018-0282-y)