

Genus *Thalassarchaeum*

Etymology

[Tha.las.sar.chae'um] Gr. fem. n. *thalassa*, the sea; also the primeval spirit of the sea; ;N.L. neut. n. *archaeum*, (from Gr. adj. archaios -ê -on, ancient) archaeon; N.L. neut. n. *Thalassarchaeum*, the archaeon from the sea

Nomenclatural type

Species *Thalassarchaeum betae*^{Ts}

Description

Thalassarchaeum the archaeon from the sea. Inferred to be of marine origin, representing non-motile, aerobic heterotrophs containing phototrophic and non-phototrophic members. Formerly identified as clade O and now as genus O4 (this study). This genus name is proposed for continuity with the orthographically incorrect "*Thalassoarchaea*" suggested by [10.1038/ismej.2014.249] for low GC MGIIb fosmid-genomes. Type species: *Thalassarchaeum betae*.

Classification

Archaea » "Poseidoniota" » *Poseidoniia* » *Poseidoniales* » *Thalassarchaeaceae* » *Thalassarchaeum*

References

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

Registry URL

<https://seqco.de/i:41473>

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