

Family *Tantalellaceae*

Etymology

[Tan.ta.le.la'ce.ae] **N.L. fem. dim. n.** *Tantalella*, referring to the type genus *Tantalella*; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Tantalellaceae*, the *Tantalella* family

Nomenclatural type

Genus *Tantalella*

Description

This family belongs to the order *Tantalellales*, class *Gorgyraia*, phylum *Omnitrophota*. The only observed cell size within the family is that of cells SKK-01, at 2.5 µm. Very large ORFs are intermittently encoded by genomes in this family. Parasitism and predation-related genes are largely absent from this family, and some genes linked to acetogenic metabolism is present in genomes belonging to the family. Members of this family has been recovered from saline water and sediment, and freshwater and lake sediment. The nomenclatural type for the family is the genus *Tantalella* Williams et al. 2021.

Classification

Bacteria » *Omnitrophota* » *Gorgyraeia* » *Tantalellales* » *Tantalellaceae*

References

Effective publication: Seymour et al., 2023 [1]

Registry URL

<https://seqco.de/i:23746>

References

1. Seymour et al. (2023). Hyperactive nanobacteria with host-dependent traits pervade Omnitrophota. *Nature Microbiology*. [DOI:10.1038/s41564-022-01319-1](https://doi.org/10.1038/s41564-022-01319-1)