

Family *Bathyarchaeaceae*

Etymology

[Ba.thy.ar.chae.a.ce'ae] N.L. neut. n. *Bathyarchaeum*, type genus of the family; *-aceae*, ending to denote a family;
N.L. fem. pl. n. *Bathyarchaeaceae*, family of the genus *Bathyarchaeum*

Nomenclatural type

Genus *Bathyarchaeum*

Description

Our phylogenomic reconstruction (Figure 1) as well as the phylogenomic reconstruction of GTDB 207 support delineation of the family *Bathyarchaeaceae*. RED in the phylogenomic reconstruction of GTDB 207 for the family *Bathyarchaeaceae* (f_BA1) is 0.691. AAI values range between 59.6 and 70.8% among members of different genera of this family. The nomenclatural type of the family is the genus *Bathyarchaeum*.

[SeqCode_Figure_1.pdf 39.7 KB](#)

Classification

Archaea » "Bathyarchaeota" » *Bathyarchaeia* » *Bathyarchaeales* » *Bathyarchaeaceae*

References

Proposed: Khomyakova et al., 2023

Registry URL

<https://seqco.de/i:31311>

References

1. Khomyakova et al. (2023). Phenotypic and genomic characterization of *Bathyarchaeum tardum* gen. nov., sp. nov., a cultivated representative of the archaeal class Bathyarchaeia. *Frontiers in Microbiology*.
[DOI:10.3389/fmicb.2023.1214631](https://doi.org/10.3389/fmicb.2023.1214631)