

## 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

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

### 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)