

Order *Bathyarchaeales*

Etymology

[Ba.thy.ar.chae.a'les] N.L. neut. n. *Bathyarchaeum*, type genus of the order; *-ales*, ending denoting an order; N.L. fem. pl. n. *Bathyarchaeales*, order of the genus *Bathyarchaeum*, type genus of the order

Nomenclatural type

Genus *Bathyarchaeum*

Description

Our phylogenomic reconstruction (Figure 1) as well as the phylogenomic reconstruction of GTDB 207 support delineation of the order *Bathyarchaeales*. RED in the phylogenomic reconstruction of GTDB 207 for the order *Bathyarchaeales* (o_B26-1) is 0.514. The nomenclatural type of the order is the genus *Bathyarchaeum*

[SeqCode_Figure_1.pdf 39.7 KB](#)

Classification

Archaea » “*Bathyarchaeota*” » *Bathyarchaeia* » *Bathyarchaeales*

References

Proposed: Khomyakova et al., 2023

Registry URL

<https://seqco.de/i:31312>

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)