

Order *Burarchaeales*

Etymology

[Bur.ar.chae.a'les] **N.L. neut. n.** *Burarchaeum*, referring to the type genus *Burarchaeum*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Burarchaeales*, the *Burarchaeum* order

Nomenclatural type

Genus *Burarchaeum*

Description

The order *Burarchaeales* is circumscribed based on two independent concatenated protein phylogenies of 122 and 93 markers, and supported by the rank normalisation approach as per Parks et al. (2018). The description is the same as that of its sole genus and species. The type genus is *Burarchaeum*.

The order is equivalent to LFWA-IIIc in this manuscript and o__B9-G16 in GTDB r202 (Parks et al., 2017).

Classification

Archaea » *Microcaldota* » *Microcaldia* » *Burarchaeales*

References

Effective publication: Vázquez-Campos et al., 2021 [1]

Registry URL

<https://seqco.de/i:23464>

References

1. Vázquez-Campos et al. (2021). Genomic Insights Into the Archaea Inhabiting an Australian Radioactive Legacy Site. *Frontiers in Microbiology*. [DOI:10.3389/fmicb.2021.732575](https://doi.org/10.3389/fmicb.2021.732575)