

Phylum *Sumerlaeota*

Etymology

[Su.mer.lae.o'ta] **N.L. fem. n.** *Sumerlaea*, referring to the type genus *Sumerlaea*; -ota, ending to denote a phylum; **N.L. neut. pl. n.** *Sumerlaeota*, the *Sumerlaea* phylum

Nomenclatural type

Genus *Sumerlaea*

Description

The phylum *Sumerlaeota* is defined on a phylogenetic basis by comparative 16S rRNA and genome sequence analysis of *Sumerlaea chitinivorans* BY40, Candidate division BRC1 bacterium HGW-BRC1-1, BRC1 bacterium SCGC AAA252-M09, BRC1 bacterium SCGC AAA257-C1, candidate division BRC1 bacterium SM23 51, and multiple uncultured representatives, inclusive of the formerly identified candidate division BRC1.

Classification

Bacteria » *Sumerlaeota*

References

Effective publication: Kadnikov et al., 2019 [1]

Registry URL

<https://seqco.de/i:42441>

References

1. Kadnikov et al. (2019). Phylogeny and physiology of candidate phylum BRC1 inferred from the first complete metagenome-assembled genome obtained from deep subsurface aquifer. *Systematic and Applied Microbiology*. DOI: [10.1016/j.syapm.2018.08.013](https://doi.org/10.1016/j.syapm.2018.08.013)