

Genus *Penumbrarchaeum*

Etymology

[Pe.num.brar.chae'um] **N.L. fem. n.** *penumbra*, partial shadow as in partially hidden; **N.L. neut. n.** *archaeum*, ancient one, archaeon; **N.L. neut. n.** *Penumbrarchaeum*, the archaeon hidden in the biosphere at the edge of detection

Nomenclatural type

Species *Penumbrarchaeum helgolandense*^{Ts}

Description

Inferred to be of marine sediment origin, an anaerobe fermenting proteins, peptides and amino acids. Members were of low abundance (< 0.32%) and thus classified as rare biosphere.

Classification

Archaea » *Thermoplasmatota* » *Penumbrarchaeia* » *Penumbrarchaeales* » *Penumbrarchaeaceae* » *Penumbrarchaeum*

References

Effective publication: Maeke et al., 2025 [1]

Registry URL

<https://seqco.de/i:49916>

References

1. Maeke et al. (2025). Extensive data mining uncovers novel diversity among members of the rare biosphere within the Thermoplasmatota. *Microbiome*. DOI:10.1186/s40168-025-02140-8