

Register list for *Tharpella aukensis* gen. nov. sp. nov. and Tharpellaceae fam. nov.

Submitted by Speth, Daan

Family *Tharpellaceae*

Etymology

[Thar.pel.la'ce.ae] N.L. fem. n. *Tharpella*, referring to the type genus Tharpella; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Tharpellaceae*, the Tharpella family

Nomenclatural type

Genus *Tharpella*

Description

The description of the family Tharpellaceae is the same as that of the genus Tharpella. The type genus is Tharpella.

Classification

Bacteria » *Desulfobacterota* » “Anaeroferrophyllalia” » “Anaeroferrophyllales” » *Tharpellaceae*

References

Effective publication: Speth et al., 2022 [1]

Registry URL

<https://seqco.de/i:43107>

Genus *Tharpella*

Etymology

[Thar.pel'la] N.L. fem. n. *Tharpella*, named after Marie Tharp (1920–2006), American geologist who pioneered systematic mapping of the seafloor and whose work was instrumental for the understanding of plate tectonics, and ultimately, the discovery of hydrothermal vents

Nomenclatural type

Species *Tharpella aukensis*^{Ts}

Description

A bacterial genus identified by metagenomic analyses and delineated according to Relative Evolutionary Distance by the Genome Taxonomy Database (GTDB). The type species of the genus is “*Candidatus* Tharpella aukensis”.

Classification

Bacteria » *Desulfobacterota* » “Anaeroferrophyllalia” » “Anaeroferrophyllales” » *Tharpellaceae* » *Tharpella*

References

Effective publication: Speth et al., 2022 [1]

Registry URL

<https://seqco.de/i:43402>

Species *Tharpella aukensis*^{Ts}

Etymology

[a.u.ken'sis] L. fem. adj. *aukensis*, pertaining to the Auka vent field, where this species was discovered

Nomenclatural type

[NCBI Assembly: GCA_021163445.1](#)^{Ts}

Description

A bacterial species identified by metagenomic analyses. This species includes all bacteria with genomes that show $\geq 95\%$ average nucleotide identity to the type genome for the species to which we have assigned the MAG ID PB_MBMC_085 and which is available via NCBI BioSample SAMN18353627 and NCBI GenBank accession [GCA_021163445.1](#).

Classification

Bacteria » *Desulfobacterota* » “Anaeroferrophillalia” » “Anaeroferrophillales” » *Tharpellaceae* » *Tharpella* » *Tharpella aukensis*^{Ts}

References

Effective publication: Speth et al., 2022 [1]

Registry URL

<https://seqco.de/i:43695>

References

1. Speth et al. (2022). Microbial communities of Auka hydrothermal sediments shed light on vent biogeography and the evolutionary history of thermophily. *The ISME Journal*. [DOI:10.1038/s41396-022-01222-x](https://doi.org/10.1038/s41396-022-01222-x)

Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List [seqco.de/r:fum1lymc](#) submitted by **Speth, Daan** and including 3 new names has been successfully validated.

Date of Priority: 2024-11-27 10:20 UTC
DOI: 10.57973/seqcode.r:fum1lymc

