

Species *Panguiarchaeum symbiosum*^{Ts}

Etymology

[sym.bi.o'sum] Gr. masc. or fem. adj. *symbios*, companion; N.L. neut. adj. *symbiosum*, living together with, referring to the proposed symbiotic lifestyle

Nomenclatural type

[NCBI Assembly: GCA_024720975.1](#)^{Ts}

Description

Archaea that inhabit circumneutral, terrestrial geothermal systems and are likely hyperthermophiles. Genomes of this species lack annotated pathways for synthesis of membrane lipids, many amino acids, vitamins, and purines, suggesting they are likely to be symbiotic. Predicted to be obligately anaerobic and fermentative.

Classification

Archaea » "Korarchaeota" » "Korarchaeia" » *Panguiarchaeales* » *Panguiarchaeaceae* » *Panguiarchaeum* » *Panguiarchaeum symbiosum*^{Ts}

References

Effective publication: Qu et al., 2023 [1]

Registry URL

<https://seqco.de/i:23983>

References

1. Qu et al. (2023). *Panguiarchaeum symbiosum*, a potential hyperthermophilic symbiont in the TACK superphylum. *Cell Reports*. DOI:[10.1016/j.celrep.2023.112158](https://doi.org/10.1016/j.celrep.2023.112158)