

Species *Candidatus* Borrarchaeum weybense

Etymology

[wey.ben'se] N.L. neut. adj. *weybense*, of or pertaining to Lake Weyba, a saltwater lake in Queensland, Australia

Nomenclatural type

Unknown

Description

Sun, et al (2021): Inferred to be a hetero-organotroph with genetic code expansions (recodings) allowing the incorporation of the rare 21st and 22nd amino acids selenocysteine and pyrrolysine. This uncultured lineage is represented by the genome "lw60_2018_gm2_56", NCBI BioSample SAMN19461863, recovered from Lake Weyba sediments, and defined as high-quality draft MAG with an estimated completeness of 94.08% and 3.74% contamination, the presence of a 23S, 16S and 5S rRNA gene and 16 tRNAs.

Classification

Archaea » "Sifarchaeota" » *Candidatus* Sifarchaeia » *Candidatus* Sifarchaeales » *Candidatus* Borrarchaeaceae » *Candidatus* Borrarchaeum » *Candidatus* Borrarchaeum weybense

References

Effective publication: Sun et al., 2021 [1]

Registry URL

<https://seqco.de/i:629>

References

1. Sun et al. (2021). Recoding of stop codons expands the metabolic potential of two novel Asgardarchaeota lineages. *ISME Communications*. DOI:10.1038/s43705-021-00032-0