

Species *Freyarchaeum deiterrae*^{Ts}

Etymology

[de.i.ter'rae] L. fem. n. *dea*, deity; L. fem. n. *terra*, of the earth; N.L. gen. n. *deiterrae*, of an Earth diety

Nomenclatural type

[NCBI Assembly: GCA_037305845.1](#)^{Ts}

Description

Freyarchaeum deitetterre has a genome size of about 3.58 Mbp with an average GC% of 40.7%, recovered from California soil. *Freyarchaeum* 16S shares less than 45% similarity with previously described Asgardarchaeota classes. *F. deitetterre* is an acetogenic chemoheterotroph like other Asgardarchaeota, including other soil-associated Atabayarchaeia. Estimated completeness at 98.13%, contamination at 4.21%, and the presence of 16 S rRNA genes (1264 bp) and 38 tRNAs.

Classification

Archaea » Asgardarchaeota » Freyarchaeia » Freyarchaeales » Freyarchaeaceae » Freyarchaeum » Freyarchaeum deiterrae^{Ts}

References

Effective publication: Valentin-Alvarado et al., 2024 [1]

Registry URL

<https://seqco.de/i:48238>

References

1. Valentin-Alvarado et al. (2024). Asgard archaea modulate potential methanogenesis substrates in wetland soil. *Nature Communications*. DOI:[10.1038/s41467-024-49872-z](https://doi.org/10.1038/s41467-024-49872-z)