

Species *Atabeyarchaeum deiterra*^{Ts}

Etymology

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

Nomenclatural type

[NCBI Assembly: GCA_037310415.1](#)^{Ts}

Description

Atabeyarchaeum deiterra has a genome size of about 2.81 Mbp with an average GC% of 49.6%, recovered from California soil. *Atabeyarchaeum* 16S shares less than 75% similarity with previously described Asgardarchaeota classes. *A. deiterra* is an acetogenic chemoheterotroph like other Asgardarchaeota, including Freyarchaeia. Estimated completeness at 97.2%, contamination at 1.87%, and the presence of 16 S rRNA genes (1529 bp) and 40 tRNAs.

Classification

Archaea » *Asgardarchaeota* » *Atabeyarchaeia* » *Atabeyarchaeales* » *Atabeyarchaeaceae* » *Atabeyarchaeum* » *Atabeyarchaeum deiterra*^{Ts}

References

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

Registry URL

<https://seqco.de/i:48231>

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)