

Species *Asgardarchaeum abyssi*^{Ts}

Etymology

[a.bys'si] L. gen. n. *abyssi*, abyss of the Guaymas Basin.

Nomenclatural type

[NCBI Assembly: GCA_040225955.1](#)^{Ts}

Description

Asgardarchaeum abyssi has a genome size of about 2.64 Mbp with average GC% of 33.96%. Metagenomic analyses indicate this novel archaeal class has been primarily extracted from the Guaymas Basin sediment and other deep-sea sites within the Gulf of California. *Asgardarchaeum* 16S shares only 63-83% 16S similarity with previously described *Asgardarchaeota* classes. *A. abyssi* is an acetogenic chemoheterotroph like other *Asgardarchaeota*, including *Freyarchaeia* and *Sifarchaeia*.

Classification

Archaea » *Asgardarchaeota* » *Asgardarchaeia* » *Asgardarchaeales* » *Asgardarchaeaceae* » *Asgardarchaeum* » *Asgardarchaeum abyssi*^{Ts}

References

Effective publication: Tamarit et al., 2024 [1]

Assigned taxonomically: Tamarit et al., 2024 [1]

Registry URL

<https://seqco.de/i:44143>

References

1. Tamarit et al. (2024). Description of *Asgardarchaeum abyssi* gen. nov. spec. nov., a novel species within the class *Asgardarchaeia* and phylum *Asgardarchaeota* in accordance with the SeqCode. *Systematic and Applied Microbiology*. DOI:10.1016/j.syapm.2024.126525