

Species *Lutivulcanarchaeum fermentans*^{Ts}

Etymology

[fer.men'tans] **L. neut. part. adj.** *fermentans*, fermenting, referring to the source of genome from anaerobic digestion of organic wastes

Nomenclatural type

[Genome sc|0006257](#) ^{Ts}

Description

Not cultivated. Inferred to be an anaerobic, obligate organotroph that obtains energy through fermentation of low-molecular-weight organic substrates. Represented by the genome (JCBCDW010000000) assembled from the metagenome of a terrestrial mud volcano fluid.

Classification

Archaea » “Terrarchaeota” » “Terrarchaeia” » “Terrarchaeales” » *Lutivulcanarchaeaceae* » *Lutivulcanarchaeum* » *Lutivulcanarchaeum fermentans*^{Ts}

References

Effective publication: Kadnikov et al., 2026 [1]
Assigned taxonomically: Kadnikov et al., 2026 [1]

Registry URL

<https://seqco.de/i:56541>

References

1. Kadnikov et al. (2026). Metagenomic insights into microbial communities of terrestrial mud volcanos: functional diversity of subsurface archaea and bacteria. *Frontiers in Microbiology*. DOI: [10.3389/fmicb.2026.1892847](https://doi.org/10.3389/fmicb.2026.1892847)