

Species *Caldarchaeum subterraneum*^{Ts}

Etymology

[sub.ter.ra'ne.um] **L. neut. adj.** *subterraneum*, underground

Nomenclatural type

[Genome sc|0006251](#) ^{Ts}

Description

C. subterraneum harbors an ubiquitin-like protein modifier system consisting of Ub, E1, E2 and small Zn RING finger family protein with structural motifs specific to eukaryotic system proteins, a system clearly distinct from the prokaryote-type system. A composite genome was reconstructed from a metagenomic library previously prepared from a microbial mat at a geothermal water stream of a sub-surface gold mine.

Classification

Archaea » *Thermoproteota* » “*Caldarchaeia*” » “*Caldarchaeales*” » “*Caldarchaeaceae*” » *Caldarchaeum* » *Caldarchaeum subterraneum*^{Ts}

References

Effective publication: Nunoura et al., 2011 [1]
Corrigendum: Oren, 2017 [2] (from “*Caldiarchaeum subterraneum*”)
Assigned taxonomically: Nunoura et al., 2011 [1]

Registry URL

<https://seqco.de/i:32063>

References

1. Nunoura et al. (2011). Insights into the evolution of Archaea and eukaryotic protein modifier systems revealed by the genome of a novel archaeal group. *Nucleic Acids Research*. DOI: [10.1093/nar/gkq1228](https://doi.org/10.1093/nar/gkq1228)
2. Oren (2017). A plea for linguistic accuracy – also for Candidatus taxa. *International Journal of Systematic and Evolutionary Microbiology*. DOI: [10.1099/ijsem.0.001715](https://doi.org/10.1099/ijsem.0.001715)