Species *Pampinifervens yunnanense*

Etymology
[yun.na.nen'se] **N.L. neut. adj.** *yunnanense*, referring to Yunnan, the southern Province of China

Nomenclatural type
NCBI Assembly: GCA_037926845.1 [Ts]

Description
In addition, and in contrast, to the characteristics described for the genus, no hydrogenases are annotated in the genomes of this species. This would suggest that the oxidation of sulfide and thiosulfate may serve as electron donors in this species. The genomes of this species range in G+C content between 45.99% and 46.82%. Genealogical concordance and ANI support the novelty of this species, and phylogenomics and AAI places this species in the genus *Pampinifervens* gen. nov. The nomenclatural type for the species is the genome DRTY-6_201601_bin_61Ts, recovered from the hot spring Diretiyanqu-6, in Tengchong, China. The genome is available under the GenBank assembly accession GCA_037926845.1. (BioProject: PRJNA1041563, BioSample: SAMN38287353).

Classification
Bacteria » *Aquificota* » *Aquificia* » *Aquificales* » *Aquificaceae* » *Pampinifervens* » *Pampinifervens yunnanense*

References
Effective publication: Palmer et al., 2025 [1]

Registry URL
https://seqco.de/i:43945

References

1. Palmer et al. (2025). Nitrogen fixation in Pampinifervens, a new species-rich genus of Aquificaceae that inhabits a wide pH range in terrestrial hot springs. *Systematic and Applied Microbiology*. DOI:10.1016/j.syapm.2025.126644