

Species *Aquilimus klicavensis*

Etymology

[kli.ca.ven'sis] **N.L. masc. adj.** *klicavensis*, from the Klíčava Reservoir in the Czech Republic.

Nomenclatural type

[Genome sc|0004102](#) ^{Is}

Description

Etymology. The species name 'klicavensis' refers to the isolation source, the Klíčava Reservoir in the Czech Republic.

Brief description. The genome of *A. klicavensis* MKE-157 (ENA accession number GCA_965268275) is compact, with a complete genome size of 1,396,091 base pairs (bp). This species exhibits a CG content of 44.6%, which is typical of *Nanopelagicales* order. It possesses one rRNA operon and 37 tRNA genes. It is very rarely found in nature, a few examples being lake Breiter Luzin and Stechlin in Germany. Current GTDB classification (r220) is d__Bacteria;p__Actinomycetota;c__Actinomycetes;o__Nanopelagicales;f__Nanopelagicaceae;g__AAA044-D11;s___. The closest cultivated representative in this study is *A. parvus* MZLE-22, sharing an ANI of 77.9%.

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Nanopelagicales* » *Nanopelagicaceae* » *Aquilimus* » *Aquilimus klicavensis*

References

Effective publication: Chiriak et al., 2025 [1]

Registry URL

<https://seqco.de/i:51012>

References

1. Chiriak et al. (2025). Ecological success in freshwater lakes: insights from novel cultivated lineages of the abundant Nanopelagicales order. *Microbiome*. DOI: [10.1186/s40168-025-02272-x](https://doi.org/10.1186/s40168-025-02272-x)