

Species *Aquilimus zluticensis*

Etymology

[zlu.ti.cen'sis] **L. masc. adj.** *zluticensis*, from the Žlutice Reservoir in the Czech Republic.

Nomenclatural type

[Genome sc|0003654](#) ^{Is}

Description

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

Brief description. The genome of *A. zluticensis* MZLE-12 (ENA accession number GCA_965268515) is compact, with a complete genome size of 1,398,358 base pairs (bp). This species exhibits a CG content of 44.3%, which is typical of *Nanopelagicales* order. It possesses one rRNA operon and 38 tRNA genes. Although not very abundant, it is encountered throughout the year in the Římov reservoir, Czech Republic. It has an average nucleotide identity of 78.81% with *A. klicavensis* MKE-157. Current GTDB classification (r220) is d__Bacteria;p__Actinomycetota;c__Actinomycetes;o__Nanopelagicales;f__Nanopelagicaceae;g__AAA044-D11;s__.

Classification

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

References

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

Registry URL

<https://seqco.de/i:51013>

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)