

Genus *Zapsychnus*

Etymology

[Za.psy'chnus] Gr. pref. *za-*, intensifying prefix; Gr. adj. *psychros*, cold; N.L. masc. n. *Zapsychnus*, referring to an organism living in very cold conditions.

Nomenclatural type

Species *Zapsychnus exili*^{TS}

Description

This genus belongs to the family *Zapsychnaceae*, order *Zapsychnales*, class *Velaminicoccia*, phylum *Omnitrophota*. Available cell size data indicate small cells for members of the genus. Large ORFs are common in the genus. Some components of the tight-adherence complex is encoded in these genomes as well as genes for respiratory pathways. Assemblies originate from wastewater, a bioreactor, soil and groundwater. Where reported, assemblies were recovered from samples taken at circumneutral or slightly basic pH, microaerobic conditions and between 10 °C and 30 °C. The nomenclatural type for the genus is the species *Zapsychnus exili*.

Classification

Bacteria » *Omnitrophota* » “*Velaminicoccia*” » “*Zapsychnales*” » “*Zapsychnaceae*” » *Zapsychnus*

References

Effective publication: Williams et al., 2021 [1]

Registry URL

<https://seqco.de/i:33301>

References

1. Williams et al. (2021). Shedding Light on Microbial “Dark Matter”: Insights Into Novel Cloacimonadota and Omnitrophota From an Antarctic Lake. *Frontiers in Microbiology*. DOI:10.3389/fmicb.2021.741077