

Genus *Aquidulcis*

Etymology

[A.qui.dul'cis] L. fem. n. *aqua*, water; L. fem. adj. *dulcis*, sweet; N.L. fem. n. (n. l. fem. adj. used as a substantive) *Aquidulcis*, an organism of freshwater

Nomenclatural type

Species *Aquidulcis frankliniae*^{Ts}

Description

The genus is established on the basis of Average Amino Acid Identity (AAI) and phylogenetic reconstruction using comparative genomics of the genus representatives and representatives of “*Ca. Limnocyndrus*”. A placeholder identifier has been assigned to this genus in GTDB as g_UBA10416. Heterotrophic aerobic bacteria with genomic capability for reductive dehalogenation but not sulfite oxidation. The type species is *Aquidulcis frankliniae*.

Classification

Bacteria » *Chloroflexota* » *Candidatus Limnocyndria* » *Candidatus Limnocyndrales* » *Candidatus Limnocyndraceae* » *Aquidulcis*

References

Effective publication: Rodriguez-R et al., 2020 [1]

Registry URL

<https://seqco.de/i:517>

References

1. Rodriguez-R et al. (2020). Iterative subtractive binning of freshwater chronoserries metagenomes identifies over 400 novel species and their ecologic preferences. *Environmental Microbiology*. DOI:10.1111/1462-2920.15112