

Genus *Pumilibacter*

Etymology

[Pu.mi.li.bac.ter] N.L. masc. n. *Pumilibacter*, dwarf bacterium, pertaining to the small size of the type species

Nomenclatural type

Species *Pumilibacter muris*^T

Description

The closest phylogenetic relative based on 16S rRNA gene sequence identity are *Saccharofermentans acetigenes* (83.99%, to CLA-AA-M08) and *Christensenella hongkongensis* (85.65%, to CLA-AA-M10). POCP values to all close relatives were below 30% and GTDB-Tk placement assigned the type species to an unknown genus within family 'f_CAG-552'. The type species is *Pumilibacter muris*.

Classification

Bacteria » *Bacillota* » *Clostridia* » *Eubacteriales* » *Pumilibacteraceae* » *Pumilibacter*

References

Effective publication: Afrizal et al., 2022 [1]

Registry URL

<https://seqco.de/i:23518>

References

1. Afrizal et al. (2022). Enhanced cultured diversity of the mouse gut microbiota enables custom-made synthetic communities. *Cell Host & Microbe*. DOI:10.1016/j.chom.2022.09.011