

Genus *Pollutaquibacter*

Etymology

[Po.llu.ta.qui.bac'ter] **L. masc. perf. part.** *pollutus*, polluted; **L. fem. n.** *aqua*, water; **N.L. masc. n.** *bacter*, rod; **N.L. masc. n.** *Pollutaquibacter*, a rod microbe from a polluted aquatic environment

Nomenclatural type

Species *Pollutaquibacter aromativorans*^{Ts}

Description

Not cultivated. Inferred to be a rod-shaped, non-motile, facultatively anaerobic organotroph that obtains energy by fermentation, aerobic respiration, or denitrification, and is capable of using aromatic compounds, fatty acids, and some sugars as growth substrates.

Represented by the complete genome NLOS2-E-001 (GenBank acc. no. CP185379) obtained from the metagenome of wastewater in Moscow, Russia.

Classification

Bacteria » *Bacteroidota* » *Bacteroidia* » *Pollutaquibacterales* » *Pollutaquibacteraceae* » *Pollutaquibacter*

References

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

Assigned taxonomically: Begmatov et al., 2025 [1]

Registry URL

<https://seqco.de/i:56399>

References

1. Begmatov et al. (2025). Genomic Analysis of the Uncultured AKYH767 Lineage from a Wastewater Treatment Plant Predicts a Facultatively Anaerobic Heterotrophic Lifestyle and the Ability to Degrade Aromatic Compounds. *Water*. DOI:10.3390/w17071061