Register list for Pollutiaquabacter aromativorans gen. nov. sp. nov. and their lineage

Submitted by Ravin, Nikolai

Order *Pollutaquibacterales*

Etymology
[Po.llu.ta.qui.bac.te.ra'les] **N.L. masc. n.** *Pollutaquibacter*, referring to the type genus *Pollutaquibacter*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Pollutaquibacterales*, the *Pollutaquibacter* order

Nomenclatural type
Genus *Pollutaquibacter*

Description
Pollutaquibacterales was proposed as an order to accomodate the genus *Pollutaquibacter*

Classification
Bacteria » *Bacteroidota* » *Bacteroidia* » *Pollutaquibacterales*

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

Registry URL
https://seqco.de/i:56406

Family *Pollutaquibacteraceae*

Etymology
[Po.llu.ta.qui.bac.te.ra'ce.ae] **N.L. masc. n.** *Pollutaquibacter*, referring to the type genus *Pollutaquibacter*; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Pollutaquibacteraceae*, the *Pollutaquibacter* family

Nomenclatural type
Genus *Pollutaquibacter*

Description
Pollutaquibacteraceae fam. nov. was proposed to accomodate the genus *Pollutaquibacter*

Classification
Bacteria » *Bacteroidota* » *Bacteroidia* » *Pollutaquibacterales* » *Pollutaquibacteraceae*

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

Registry URL
https://seqco.de/i:56400

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

Species *Pollutaquibacter aromativorans*[Ts]

Etymology
[a.ro.ma.ti.vo'rans] **L. neut. n.** *aroma*, spice; **L. masc. pres. part.** *vorans*, devouring; **N.L. masc. part. adj.** *aromativorans*, spice-devouring, here referring to degradation of aromatic compounds

Nomenclatural type
NCBI Assembly: GCA_049177215.1 [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* » *Pollutaquibacter aromativorans*[Ts]

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

Registry URL
https://seqco.de/i:56398

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

Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List **seqco.de/r:bkaq9dw9** submitted by **Ravin, Nikolai** and including 4 new names has been successfully validated.

Date of Priority: 2026-07-16 03:23 UTC
DOI: 10.57973/seqcode.r:bkaq9dw9