

## Genus *Hahnella*

### Etymology

[Hah.ne'lla] **N.L. fem. dim. n.** *Hahnella*, named after the scientist Martin W. Hahn, a pioneer in cultivating important freshwater bacteria; he also isolated the first strains of this genus (MWH-UniP1) and closely related taxa.

### Nomenclatural type

Species *Hahnella aquatica*<sup>Ts</sup>

### Description

Description: A genus of abundant freshwater bacteria, commonly known from metagenomic and 16S rRNA amplicon studies, often referred to MWH-UniP1 group or betaVI in 16S rRNA based studies (PMCID: [PMC3063352](#), [31919153](#)). It contains two species: *Hahnella aquatica* (MiE-11, GCA\_965194505.1) and *Hahnella lacustris* (MsE-M47, GCA\_965194655.1), both isolated from freshwater lakes. Type species is *Hahnella aquatica* MiE-11 (GCA\_965194505.1). The closest cultivated relative is the undescribed *Burkholderiales* bacterium LSUCC0115 (GCA\_009646425.1), with an average amino acid identity of 67-67.3% and average nucleotide identity of 70.6-71.7%. The closest validly described relative is *Limnobacter thiooxidans* CS-K2 (GCF\_036323495.1), with AAls of 53.6-54.4% and ANIs of 66.4-66.9%. Current GTDB classification (R220): d\_\_Bacteria; p\_\_Pseudomonadota; c\_\_Gammaproteobacteria; o\_\_Burkholderiales; f\_\_Burkholderiaceae\_A; g\_\_UBA2463.

### Classification

*Bacteria* » *Pseudomonadota* » *Betaproteobacteria* » *Burkholderiales* » *Burkholderiaceae* » *Hahnella*

### References

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

### Registry URL

<https://seqco.de/i:49113>

## References

1. Salcher et al. (2025). Bringing the uncultivated microbial majority of freshwater ecosystems into culture. *Nature Communications*. [DOI:10.1038/s41467-025-63266-9](https://doi.org/10.1038/s41467-025-63266-9)