

Species *Phosphoribacter freyrii*

Etymology

[fre'y.ri.i] **N.L. gen. n.** *freyrii*, freyrii of Freyr, Norse god of fertility

Nomenclatural type

[NCBI Assembly: GCA_016710385.1](#) ^{Ts}

Description

The MAG representative for this species was isolated from activated sludge, wastewater treatment plant located in Hjørring, Denmark

Classification

Bacteria » *Actinomycetota* » *Actinomycetes* » *Micrococcales* » *Dermatophilaceae* » *Phosphoribacter* » *Phosphoribacter freyrii*

References

Effective publication: Kondrotaite et al., 2025 [1]
Assigned taxonomically: Singleton et al., 2022 [2]

Registry URL

<https://seqco.de/i:49009>

References

1. Kondrotaite et al. (2025). Ecophysiology and niche differentiation of three genera of polyphosphate-accumulating bacteria in a full-scale wastewater treatment plant. *mSystems*. [DOI:10.1128/msystems.00322-25](https://doi.org/10.1128/msystems.00322-25)
2. Singleton et al. (2022). The novel genus, '*Candidatus Phosphoribacter*', previously identified as *Tetrasphaera*, is the dominant polyphosphate accumulating lineage in EBPR wastewater treatment plants worldwide. *The ISME Journal*. [DOI:10.1038/s41396-022-01212-z](https://doi.org/10.1038/s41396-022-01212-z)