

Species *Azonexus phosphoriphilus*

Etymology

[phos.pho.ri.phi'lus] **N.L. masc. n.** *phosphorus*, phosphorus; **G. masc. n.** *philos*, lover; **N.L. masc. adj.** *phosphoriphilus*, indicating the ability to uptake phosphorus

Nomenclatural type

[NCBI Assembly: GCA_016714975.1](#) ^{Ts}

Description

The MAG representative for this species was isolated from activated sludge, wastewater treatment plant located in Odense, Denmark. Based on metabolic annotations, this species are close related to the other two species from *Azonexus* genera with the ability to accumulate polyphosphate.

Classification

Bacteria » *Pseudomonadota* » *Betaproteobacteria* » *Rhodocyclales* » *Azonexaceae* » *Azonexus* » *Azonexus phosphoriphilus*

References

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

Registry URL

<https://seqco.de/i:49011>

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)