

Species *Nitronatura plena*^{Ts}

Etymology

[ple'na] **L. fem. adj.** *plena*, full or complete, referring to the capacity for complete ammonia oxidation by clade B comammox

Nomenclatural type

[NCBI Assembly: GCA_974707355.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226. The type genome was recovered from sphagnum acid bog soil. Based on metabolic reconstruction, *Nitronatura plena* is aerobic, capable of ammonia and nitrite oxidation. The type genome contains comammox metabolism genes, including *amoA*, *amoB*, *amoC*, *nxrAB*, and *hao*.

Classification

Bacteria » *Nitrospirota* » *Nitrospiria* » *Nitrospirales* » *Nitrospiraceae* » *Nitronatura* » *Nitronatura plena*^{Ts}

References

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

Registry URL

<https://seqco.de/i:54882>

References

1. Singleton et al. (2025). The Microflora Danica atlas of Danish environmental microbiomes. *Nature*. DOI:[10.1038/s41586-025-09794-2](https://doi.org/10.1038/s41586-025-09794-2)