

Species *Desulfitobacterium nosdiversum*

Etymology

[nos.di.ver'sum] **N.L. pref.** *nos-*, arbitrary prefix referring to *nosZ* genes; **L. neut. part. adj.** *diversum*, diverse or distinct; **N.L. neut. part. adj.** *nosdiversum*, referring to diverse or distinct *nosZ* genes

Nomenclatural type

[NCBI Assembly: GCA_049860565.1](#) ^{Ts}

Description

This is a complete genome of a taxon that carry a novel type of protein catalyzing N2O reduction

Classification

Bacteria » *Bacillota* » *Clostridia* » *Eubacteriales* » *Peptococcaceae* » *Desulfitobacterium* » *Desulfitobacterium nosdiversum*

References

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

Registry URL

<https://seqco.de/i:49935>

References

1. He et al. (2025). A novel bacterial protein family that catalyses nitrous oxide reduction. *Nature*. [DOI:10.1038/s41586-025-09401-4](https://doi.org/10.1038/s41586-025-09401-4)