

Species *Polarisedimenticola svalbardensis*^{Ts}

Etymology

[sval.bar.den'sis.] **N.L. masc. adj.** *svalbardensis*, pertaining to Svalbard

Nomenclatural type

[NCBI Assembly: GCA_014764515.1](#)^{Ts}

Description

Polarisedimenticola svalbardensis MAG AM4 was recovered from marine sediment from Van Keulenfjorden, Svalbard (sampling date: July, 2016, location: latitude: 77°32.260' N longitude: 15°39.434' E, water depth: 55 m, sediment depth: 0-5 cm, sediment temperature: – 1.7°C to + 3°C). Genome-based metabolic reconstruction suggested this species is a facultative or aerotolerant anaerobe that degrades proteins and respire oxygen, nitrate, sulfur/polysulfide or metal-oxides.

Classification

Bacteria » *Acidobacteriota* » *Polarisedimenticolia* » *Polarisedimenticolales* »
Polarisedimenticolaceae » *Polarisedimenticola* » *Polarisedimenticola svalbardensis*^{Ts}

References

Effective publication: Flieder et al., 2021 [1]
Assigned taxonomically: Flieder et al., 2021 [1]

Registry URL

<https://seqco.de/i:23539>

References

1. Flieder et al. (2021). Novel taxa of Acidobacteriota implicated in seafloor sulfur cycling. *The ISME Journal*. [DOI:10.1038/s41396-021-00992-0](https://doi.org/10.1038/s41396-021-00992-0)