

Species *Magnetominusculus dajiuhuensis*^{Ts}

Etymology

[da.ji.u.hu.en'sis] N.L. adj. masc. *dajiuhuensis*, named after Dajiuhu, the peatland in China where it was discovered

Nomenclatural type

[NCBI Assembly: GCA_046044395.1](#)^{Ts}

Description

Magnetominusculus dajiuhuensis (Da.jiu.hu.en'sis. N.L. adj. *dajiuhuensis*, named after Dajiuhu, the peatland in China where it was discovered). The type species, *dajiuhuensis*, is named for its discovery location. The GenBank accession for the novel MAG is GCA_046044395.1, Biosample ID SAMN42912234, and BioProject ID PRJNA300727. Since we are using SeqCode, we propose the genus name *Magnetominusculus* without the *Candidatus* tag.

The genus was first identified from BioSample ID SAMN04229298 and BioProject ID PRJNA300727. It includes isolates GCA_015232615.1 and GCA_002753435.1.

The representative species for the genus, based on metagenomic identification, is proposed as *Magnetominusculus dajiuhuensis*.

Classification

Bacteria » *Nitrospirota* » *Thermodesulfovibrionia* » *Thermodesulfovibrionales* » *Magnetobacteriaceae* » *Magnetominusculus* » *Magnetominusculus dajiuhuensis*^{Ts}

References

- Effective publication: Goswami et al., 2025 [1]
Assigned taxonomically: Lin et al., 2017 [2]

Registry URL

<https://seqco.de/i:48692>

References

1. Goswami et al. (2025). Genomic and metabolic characterisation of a novel species *Magnetominusculus dajiuhuensis* DJH-1Ts sp. nov. from an acidic peatland. *Systematic and Applied Microbiology*. [DOI:10.1016/j.syapm.2025.126605](https://doi.org/10.1016/j.syapm.2025.126605)
2. Lin et al. (2017). Origin of microbial biomineralization and magnetotaxis during the Archean. *Proceedings of the National Academy of Sciences*. [DOI:10.1073/pnas.1614654114](https://doi.org/10.1073/pnas.1614654114)