

Muiribacterium gen. nov. and Muiribacterium halophilum sp. nov.

Submitted by Chuvochina, Maria

Phylum *Muiribacteriota*

Etymology

[Mui.ri.bac.te.ri.o'ta] N.L. neut. n. *Muiribacterium*, type genus of the phylum; *-ota*, ending to denote a phylum; N.L. neut. pl. n. *Muiribacteriota*, the Muiribacterium phylum

Nomenclatural type

Genus *Muiribacterium*

Description

The description is the same as given by (Barnum et al., 2018).

Classification

Bacteria » *Muiribacteriota*

References

Effective publication: Barnum et al., 2018 [1]
Corrigendum: Oren, Göker, 2023 [2] (from “Muirbacteria”)

Registry URL

<https://seqco.de/i:31950>

Genus *Muiribacterium*

Etymology

[Mui.ri.bac.te'ri.um] N.L. neut. n. *bacterium*, a rod; N.L. neut. n. *Muiribacterium*, a rod named after John Muir, the American conservationist for his contributions to the protection of natural areas in California

Nomenclatural type

Species *Muiribacterium halophilum*^{Ts}

Classification

Bacteria » *Muiribacteriota* » *Muiribacteriia* » *Muiribacteriales* » *Muiribacteriaceae* » *Muiribacterium*

References

Effective publication: Barnum et al., 2018 [1]
Corrigendum: Oren, 2017 [3] (from “Muirbacterium”)

Registry URL

<https://seqco.de/i:31945>

Species *Muiribacterium halophilum*^{Ts}

Etymology

[ha.lo'phi.lum] Gr. masc. n. *hals*, salt; N.L. neut. adj. suff. *-philum*, loving (from Gr. neut. adj. *philon*, friend); N.L. neut. adj. *halophilum*, salt loving

Nomenclatural type

[NCBI Assembly: GCA_002869225.1](https://ncbi.nlm.nih.gov/assembly/GCA_002869225.1)^{Ts}

Classification

Bacteria » *Muiribacteriota* » *Muiribacteriia* » *Muiribacteriales* » *Muiribacteriaceae* » *Muiribacterium* » *Muiribacterium halophilum*^{T5}

References

Effective publication: Barnum et al., 2018 [1]

Corrigendum: Oren et al., 2020 [4] (from “*Muiribacterium halophilum*”)

Registry URL

<https://seqco.de/i:31947>

References

1. Barnum et al. (2018). Genome-resolved metagenomics identifies genetic mobility, metabolic interactions, and unexpected diversity in perchlorate-reducing communities. *The ISME Journal*. DOI:10.1038/s41396-018-0081-5
2. Oren, Göker (2023). Candidatus List. Lists of names of prokaryotic Candidatus phyla. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.005821
3. Oren (2017). A plea for linguistic accuracy – also for Candidatus taxa. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.001715
4. Oren et al. (2020). Lists of names of prokaryotic Candidatus taxa. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.003789

Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List seqco.de/r:irnu1hwc submitted by **Chuvochina, Maria** and including 3 new names has been successfully validated.

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