

Genus *Cryogemmata*

Etymology

[Cry.o.gem.ma'ta] **Gr. neut. n.** *kryos*, icy cold; **L. fem. perf. part.** *gemmata*, bejeweled; used to refer to taxa of Gemmatimonadota phylum; **N.L. fem. n.** *Cryogemmata*, a Gemmatimonadota from the cold.

Nomenclatural type

Species *Cryogemmata carboxiditropha*^{Ts}

Description

New genus defined based on the lack of proximal relatives within the placeholder family f_JAHWKZ01 (=Cryogemmataceae).

Classification

Bacteria » *Gemmatimonadota* » *Gemmatimonadia* » *Cryogemmatales* » *Cryogemmataceae* » *Cryogemmata*

References

Effective publication: Tan et al., 2026 [1]

Registry URL

<https://seqco.de/i:51204>

References

1. Tan et al. (2026). Persistent petroleum pollution shifts soil microbial responses in Bunger Hills, East Antarctica. *Communications Earth & Environment*. [DOI:10.1038/s43247-026-03299-0](https://doi.org/10.1038/s43247-026-03299-0)