

Algichlamydia australiensis gen. nov. sp. nov.

Submitted by Maire, Justin

Genus *Algichlamydia*

Etymology

[Al.gi'chla.my'dia] L. fem. n. *Algi*, alga or seaweed; N.L. fem. n. *chlamydia*, taxonomic name of a bacterial genus; N.L. fem. n. *Algichlamydia*, chlamydiae able to infect algae

Nomenclatural type

Species *Algichlamydia australiensis*^{Ts}

Description

Algichlamydia (Al.gi'chla.my'dia. L. fem. n. *alga*, alga or seaweed; N.L. fem. n. *Chlamydia*, taxonomic name of a bacterial genus; *Algichlamydia* referring to chlamydiae infecting algae). The genus *Algichlamydia* represents a distinct, deep-branching lineage within the Simkaniaceae family.

Classification

Bacteria » *Chlamydiota* » *Chlamydiia* » *Chlamydiales* » *Simkaniaceae* » *Algichlamydia*

References

Effective publication: Maire et al., 2024 [1]

Registry URL

<https://seqco.de/i:33256>

Species *Algichlamydia australiensis*^{Ts}

Etymology

[aus.tra.li.en'sis] N.L. fem. adj. *australiensis*, of or belonging to Australia, the country where the host of this bacteria was isolated

Nomenclatural type

[NCBI Assembly: GCA_033977065.1](#)^{Ts}

Description

Type genome: Cla49, infecting a laboratory culture of *Cladocopium* sp. SCF049.01, itself isolated from the coral *Pocillopora damicornis* from Davies Reef, Australia.

Classification

Bacteria » *Chlamydiota* » *Chlamydiia* » *Chlamydiales* » *Simkaniaceae* » *Algichlamydia* » *Algichlamydia australiensis*^{Ts}

References

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References

1. Maire et al. (2024). Chlamydiae as symbionts of photosynthetic dinoflagellates. *The ISME Journal*.
[DOI:10.1093/ismejo/wrae139](https://doi.org/10.1093/ismejo/wrae139)

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:xcb93nqb submitted by **Maire, Justin** and including 2 new names has been successfully validated.

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