

Vesicomysidiscus calyptogenae gen. nov. sp. nov.

Submitted by Rasmussen, Ejnar

Genus *Vesicomysidiscus*

Etymology

[Ve.si.co.my.i.di.so.ci'us] **N.L. fem. pl. n.** *Vesicomysidae*, a family of clams; **L. masc. n.** *socius*, companion; **N.L. masc. n.** *Vesicomysidiscus*, a companion of vesicomysid clams

Nomenclatural type

Species *Vesicomysidiscus calyptogenae*^{Ts}

Description

Genus of a species of endosymbionts of the deep-sea clam *Calyptogena okutanii* called *Vesicomysidiscus calyptogenae*.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » "Gammaproteobacteria_incertae_sedis"
» *Pseudothiotrogaceae* » *Vesicomysidiscus*

References

Effective publication: Kuwahara et al., 2007 [1]
Corrigendum: Oren et al., 2020 [2] (from "Vesicomysosocius")

Registry URL

<https://seqco.de/i:33254>

Species *Vesicomysidiscus calyptogenae*^{Ts}

Etymology

[ca.lyp.to'ge.nae] **N.L. gen. n.** *calyptogenae*, of the clam genus *Calyptogena*

Nomenclatural type

[Genome sc|0001404](#) ^{Ts}

Reference Strain

[Strain sc|0038675](#): Monterey_2004

Description

An endosymbiont of the deep-sea clam *Calyptogena okutanii*. Is thioautotrophic and can synthesize almost all amino acids, various cofactors, and other nutrients for the host.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » "Gammaproteobacteria_incertae_sedis"
» *Pseudothiotrogaceae* » *Vesicomysidiscus* » *Vesicomysidiscus calyptogenae*^{Ts}

References

Effective publication: Kuwahara et al., 2007 [1]
Corrigendum: Oren, 2017 [3] (from "Vesicomysosocius okutanii")
Assigned taxonomically: Kuwahara et al., 2007 [1]

Registry URL

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References

1. Kuwahara et al. (2007). Reduced Genome of the Thioautotrophic Intracellular Symbiont in a Deep-Sea Clam, *Calymene okutanii*. *Current Biology*. DOI: [10.1016/j.cub.2007.04.039](https://doi.org/10.1016/j.cub.2007.04.039)
2. Oren et al. (2020). Lists of names of prokaryotic Candidatus taxa. *International Journal of Systematic and Evolutionary Microbiology*. DOI: [10.1099/ijsem.0.003789](https://doi.org/10.1099/ijsem.0.003789)
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](https://doi.org/10.1099/ijsem.0.001715)

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