

Register list for *Amarolinea aalborgensis* gen. nov. sp. nov. and their lineage

Submitted by Nielsen, Per H.

Family *Amarolineaceae*

Etymology

[A.ma.ro.li.ne.a'ce.ae] N.L. fem. n. *Amarolinea*, referring to the type genus *Amarolinea*; *-aceae*, ending to denote a family; N.L. fem. pl. n. *Amarolineaceae*, the *Amarolinea* family

Nomenclatural type

Genus *Amarolinea*

Description

A family of filamentous bacteria abundant in activated sludge WWTPs worldwide. The type species is *Amarolinea aalborgensis*.

Classification

Bacteria » *Chloroflexota* » *Anaerolineae* » “*Amarolineales*” » *Amarolineaceae*

References

Effective publication: Andersen et al., 2019 [1]

Registry URL

<https://seqco.de/i:44155>

Genus *Amarolinea*

Etymology

[A.ma.ro.li.ne'a] Gr. fem. n. *amara*, conduit, channel, sewer; L. fem. n. *linea*, thread, line; N.L. fem. n. *Amarolinea*, a thread from a sewer

Nomenclatural type

Species *Amarolinea aalborgensis*^{Ts}

Description

Filamentous bacteria abundant in activated sludge WWTPs worldwide, belonging to the family *Amarolineaceae*. The type species is *Amarolinea aalborgensis*.

Classification

Bacteria » *Chloroflexota* » *Anaerolineae* » “*Amarolineales*” » *Amarolineaceae* » *Amarolinea*

References

Effective publication: Andersen et al., 2019 [1]

Assigned taxonomically: Andersen et al., 2019 [1]

Registry URL

<https://seqco.de/i:44102>

Species *Amarolinea aalborgensis*^{Ts}

Etymology

[a.al.bor.gen'sis] N.L. fem. adj. *aalborgensis*, Pertaining to Aalborg, a city in the Jutland region of Denmark

Nomenclatural type

[NCBI Assembly: GCA_900491745.1](#)^{Ts}

Description

Filamentous bacteria abundant in activate sludge WWTPs worldwide, where it was shown to contribute to sever bulking problems. This taxon is capable of aerobic respiration, fermentation, and has a potential to perform dissimilatory nitrate reduction to ammonia as well as glycogen synthesis and degradation. The filaments are in the 20 - 140 µm range for length and 1.0 - 2.2 µm for thickness.

Classification

Bacteria » *Chloroflexota* » *Anaerolineae* » “*Amarolineales*” » *Amarolineaceae* » *Amarolinea* » *Amarolinea aalborgensis*^{Ts}

References

Effective publication: Andersen et al., 2019 [1]

Assigned taxonomically: Andersen et al., 2019 [1]

Registry URL

<https://seqco.de/i:320>

References

1. Andersen et al. (2019). Genomic insights into Candidatus *Amarolinea aalborgensis* gen. nov., sp. nov., associated with settleability problems in wastewater treatment plants. *Systematic and Applied Microbiology*.
[DOI:10.1016/j.syapm.2018.08.001](https://doi.org/10.1016/j.syapm.2018.08.001)

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:sy5jeiw2 submitted by **Nielsen, Per H.** and including 3 new names has been successfully validated.

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