

Genus *Neomicrothrix*

Etymology

[Ne.o.mi.cro'thrix] **Gr. masc. adj.** *neos*, new; **Gr. masc. adj.** *mikros*, small; **Gr. fem. n.** *thrix*, a hair; **N.L. fem. n.** *Neomicrothrix*, a new small hair

Nomenclatural type

Species *Neomicrothrix parvicella*^{Ts}

Description

Filamentous bacterium frequently encountered in wastewater treatment processes, known for its significance in the bulking phenomenon of sludge.

Classification

Bacteria » *Actinomycetota* » *Acidimicrobiia* » *Acidimicrobiales* » “*Neomicrotrichaceae*” » *Neomicrothrix*

References

Effective publication: Muller et al., 2012 [1]

Original (not valid) publication: van Veen, 1973 [2] and Blackall et al., 1995 [3]

Corrigendum: Oren, 2017 [4] (from “*Microthrix*”)

Registry URL

<https://seqco.de/i:16>

References

1. Muller et al. (2012). Genome Sequence of “*Candidatus Microthrix parvicella*” Bio17-1, a Long-Chain-Fatty-Acid-Accumulating Filamentous Actinobacterium from a Biological Wastewater Treatment Plant. *Journal of Bacteriology*. DOI:10.1128/jb.01765-12
2. van Veen (1973). Bacteriology of activated sludge, in particular the filamentous bacteria. *Antonie van Leeuwenhoek*. DOI:10.1007/bf02578852
3. Blackall et al. (1995). “*Microthrix parvicella*” is a Novel, Deep Branching Member of the Actinomycetes Subphylum. *Systematic and Applied Microbiology*. DOI:10.1016/s0723-2020(11)80070-6
4. Oren (2017). A plea for linguistic accuracy – also for Candidatus taxa. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.001715