

Species *Nanoclepta minutus*^{Ts}

Etymology

[mi.nu'tus] L. masc. adj. *minutus*, small

Nomenclatural type

[INSDC Nucleotide: MWM100000000](#)^{Ts}

Description

Obligate ectosymbiont associated with the host *Zestosphaera tikiterensis*. Cells are coccoid, ~200 nm in diameter, with lophotrichous archaeal flagella. Best growth observed from 80-85°C. Cultivated under anaerobic conditions at pH 6.0. Isolated in co-culture with its host from "Cooking Pots" hot spring, Tikerere, New Zealand. The type material is strain Ncl-1, with a genome sequence available under NCBI WGS accession MWM100000000 and Genbank assembly accession GCA_003568775.1. The genome consists of 575,637 bp in 9 contigs, with a G+C content of 32.2%.

Classification

Archaea » *Nanobdellota* » *Nanobdellia* » *Nanobdellales* » *Nanobdellaceae* » *Nanoclepta* » *Nanoclepta minutus*^{Ts}

References

Effective publication: St. John et al., 2019 [1]

Registry URL

<https://seqco.de/i:319>

References

1. St. John et al. (2019). A new symbiotic nanoarchaeote (Candidatus *Nanoclepta minutus*) and its host (*Zestosphaera tikiterensis* gen. nov., sp. nov.) from a New Zealand hot spring. *Systematic and Applied Microbiology*. DOI:[10.1016/j.syapm.2018.08.005](https://doi.org/10.1016/j.syapm.2018.08.005)