

Genus *Nanobdella*

Etymology

[Na.no.bdel'la] Gr. masc. n. *nanos*, a dwarf; Gr. fem. n. *bdella*, a leech; N.L. fem. n. *Nanobdella*, a small leech, indicating a small organism attaching to the host cell surface and taking nutrients from the host

Nomenclatural type

Species *Nanobdella aerobiophila*^T

Description

Cells are cocci, 0.2–0.5µm in diameter, and occur singly or attached to cell surface of its hosts. It grows under the aerobic conditions and thrives in moderately thermophilic and acidic environments. Obligate symbiotic. DNA G+C content of the type species is 24.9mol% (determined from the genome sequence). Inhabits in terrestrial acidic hot springs.

The type species is *Nanobdella aerobiophila*.

Classification

Archaea » *Nanobdellota* » *Nanobdellia* » *Nanobdellales* » *Nanobdellaceae* » *Nanobdella*

References

Effective publication: Kato et al., 2022 [1]

Registry URL

<https://seqco.de/i:23605>

References

1. Kato et al. (2022). *Nanobdella aerobiophila* gen. nov., sp. nov., a thermoacidophilic, obligate ectosymbiotic archaeon, and proposal of *Nanobdellaceae* fam. nov., *Nanobdellales* ord. nov. and *Nanobdellia* class. nov. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.005489