

# Nanoclepta gen. nov., Nanoclepta minutus sp. nov.

Submitted by St. John, Emily

Table 1: Complete list of names proposed in the current register list.

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Nanoclepta</i>	[Na.no.clep'ta] Gr. masc. n. <i>nanos</i> , a dwarf; Gr. masc. n. <i>kleptes</i> , a thief; N.L. masc. n. <i>Nanoclepta</i> , a small thief, a small organism that steals from its host	Obligate ectosymbiont that lives on the surface of archaeal host cells. Cultivated under anaerobic, near-neutral (pH 6.0) conditions. Hyperthermophile, with best growth observed at 80-85°. Isolated in co-culture with archaeal hosts from hot springs. The type species is <i>Nanoclepta minutus</i> .	<i>Nanobdellaceae</i>	<i>Nanoclepta minutus</i> <sup>Ts</sup>	<a href="https://seqco.de/i:23585">seqco.de/i:23585</a>
Species <i>Nanoclepta minutus</i> <sup>Ts</sup>	[mi.nu'tus] L. masc. adj. <i>minutus</i> , small	Obligate ectosymbiont associated with the host <i>Zestosphaera tikiterensis</i> . 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, Tikitere, New Zealand. The type material is strain Ncl-1, with a genome sequence available under NCBI WGS accession MWM1000000000 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%.	<i>Nanoclepta</i>	NCBI Assembly: GCA_003568775.1 <sup>Ts</sup>	<a href="https://seqco.de/i:319">seqco.de/i:319</a>