

Outlineoffungi.org - Note 1412 *Naidispora*

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Naidispora Xin Hua Liu

Liu et al. (2021) introduced the monotypic genus *Naidispora* to accommodate *Naidispora caidianensis* Xin Hua Liu as the type species based on morphology and phylogenetic analyses using SSU sequence data. The type species was found in the Coelomocyte of oligochaete *Branchiura sowerbyi* in China. In the new genus, numerous opaque, white xenomas are evident in infected hosts. All stages of the parasite life exhibit monokaryotic nuclei. The progression of parasite stages (meronts and sporonts) happens in conjunction with host cells. Occasionally, transparent sporophorous vesicles can be seen in the latter stages of sporogenesis (sporoblast formation) but degenerate as they mature into spores. The division of multinucleate sporogonial plasmodia takes place through budding resembling rosettes. Subsequently, sporoblasts advance into single-nucleus spores. *Naidispora* constituted a distinct clade in the phylogenetic tree based on SSU sequence data. The taxonomic placement of *Naidispora* is in an uncertain position in Microsporidia, Microsporidia, and Protozoa (Liu et al. 2021).

Reference

Liu X, Stentiford GD, Ren S, Yuan X, et al. 2021 – *Naidispora caidianensis* n. gen. n. sp. infecting coelomocytes of oligochaete *Branchiura sowerbyi* (Oligochaeta, Naididae) in China. *Journal of Invertebrate Pathology* 191, 107768.

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