

Outlineoffungi.org - Note 1012 *Fusasporis*

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Fusasporis J. Lovy, R.P.E. Yanong, J.M. Stilwell, T.B. Waltzek, J.P. Shelley, D.B. Pouder, J.C. Wolf & A.C. Camus

Lovy et al. (2021) introduced the microsporidian genus, *Fusasporis* which was recognized as the causal agent of a disease in two ornamental fish species, black tetra *Gymnocorymbus ternetzi* and cardinal tetra *Paracheirodon axelrodi*. *Fusasporis* is a monotypic genus and the type species is *Fusasporis stethaprioni* J. Lovy, R.P.E. Yanong, J.M. Stilwell, T.B. Waltzek, J.P. Shelley, D.B. Pouder, J.C. Wolf & A.C. Camus. The taxon occurred diffusely in most internal organs and the gill, thus referring to the condition as tetra-disseminated microsporidiosis (TDM) (Lovy et al. 2021). The causal agent was mainly characterized by histology, which ‘showed that coelomic visceral organs were frequently necrotic and severely disrupted by extensive infiltrates of macrophages’. The establishment of the new genus was confirmed by the morphological characters of the spores and the 16S rDNA sequence data. According to Lovy et al. (2021), *Glugea* is the closest taxon to *Fusasporis*. The taxonomic placement of *Fusasporis* is in *Pleistophoridae*, *Glugeida*, *Haplophasea*, *Microsporea*, and [Microsporidia](#).

Reference

Lovy J, Yanong RP, Stilwell JM, Waltzek TB, et al. 2021 – Tetra disseminated microsporidiosis: a novel disease in ornamental fish caused by *Fusasporis stethaprioni* n. gen. n. sp. *Parasitology Research* 120, 497–514. <https://doi.org/10.1007/s00436-020-06988-7>

Entry by

Nalin N. Wijayawardene, Center for Yunnan Plateau Biological Resources Protection and Utilization, College of Biological Resource and Food Engineering, Qujing Normal University, Qujing, Yunnan, P.R. China

(Edited by **Maryam Tavakol Noorabadi & Kevin D. Hyde**)

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