Table S1. Comparisons of dimensions (in µm) of the spores of *Meglitschia* *mylei* and *Ceratomyxa vermiformis* n. sp. from the Amazon basin.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **SL** | **LA** | **SW** | **ST** | | **PC** | **PFt** | **Host** |
| ***M. mylei*** | 24.6±0.8 | 20.1±0.7 | 8.7±0.4 | 5.1±0.3 | | 2.1±0.3 | 5-6 | *Myleus rubripinnis* |
| ***C. vermiformis* n. sp.\*** | 25.6±2 (22–29) | >18.8±0.7 (17.6–19,3)  >17.5±08 (16.4–18.3) | 8.4±0.4 (7.9–9,3) | 5.4±03 (4.9 – 5.7) | | 2.7 ± 0.1 | 3-4 | *Colossoma macropomum* |
|  | **SL** | **LV** | **SW** | **ST** | **PA** |  |  |  |
| ***C. vermiformis* n. sp.\*\*** | 4.5±0.2 (4.8–4.2) | >23.7±0.7 (22.1–24,3)  >21.9±08 (20.6–23) | 5.4±03 (4.9 – 5.7) | 8.4±0.4 (7.9-9.3) | 30.2±6.6o (22–43o) |  |  |  |

\*Measured obtained in accord to those of Azevedo et al. (2011) to *M. mylei* for effect of comparison. \*\*Measured obtained as those of *Ceratomyxa* species in accord to Gunter et al. (2009). SL: length; LA: length appendices; LV: length valves; SW: width, ST: thickness; PCs: Polar Capsule diameter; PFt: Polar filament turns; PA: Posterior angle.