**Supplementary material**

**Table S1.** Morphometric characterizations of *Spirostrombidium paraurceolare* sp. nov. (upper lines) and *Spirostrombidium faurefremieti* sp. nov. (lower lines).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Charactersa | Min | Max | Mean | SD | CV | *n* |
| Body, length | 2355 | 4366 | 32.360.8 | 5.403.02 | 16.75.0 | 2114 |
| Body, width | 1632 | 2542 | 20.138.1 | 2.803.32 | 13.98.7 | 1918 |
| Distance from anterior cell end to cytostome | 1025 | 1634 | 13.129.6 | 1.572.47 | 11.98.3 | 2016 |
| Distance from anterior cellend to ventral kinety | 1830 | 3142 | 22.934.8 | 3.933.46 | 17.110.0 | 2014 |
| Distance from GK to VK | 56 | 1012 | 7.37.2 | 1.501.52 | 20.519.8 | 917 |
| Distance between posterior cell end and anterior end of VK | 624 | 1430 | 9.726.2 | 2.021.81 | 20.86.9 | 2014 |
| Number of collar membranelles | 1523 | 1828 | 16.225.6 | 0.831.60 | 5..16.2 | 1414 |
| Number of buccal membranelles | 815 | 1019 | 8.617.5 | 0.671.40 | 7.88.0 | 1414 |
| Number of thigmotactic membranelles | 32 | 32 | 32 | 00 | 00 | 1720 |
| Number of dikinetids in GK | 47105 | 63126 | 55.8111.9 | 5.045.23 | 9.04.7 | 1718 |
| Number of dikinetids in VK | 1225 | 1729 | 14.226.1 | 1.631.35 | 11.55.2 | 1418 |
| Macronuclear segment, length | 825 | 1542 | 11.134.1 | 1.794.57 | 16.113.4 | 1014 |
| Macronuclear segment, width | 411 | 628 | 5.417.9 | 0.704.30 | 13.024.0 | 1025 |
| Number of macronuclear segments | 11 | 41 | 2.81 | 0.680 | 24.30 | 1514 |

a Data based on protargol stained specimens. Measurements in μm. CV, coefficient of variation in %; GK, girdle kinety; Max, maximum; Mean, arithmetic mean; Min, minimum; *n*, number of individuals examined; SD, standard deviation; VK, ventral kinety.

**Table S2.** Morphometric comparison among morphologically similar strombidiids. 1- *Spirostrombidium paraurceolare* sp. nov. (present work); 2- *Spirostrombidium faurefremieti* sp. nov. (present work); 3-*Spirostrombidium urceolare* (from Stein, 1867); 4-*Strombidium sauerbreyae* sensu Fauré-Fremiet, 1950 (from Fauré-Fremiet, 1950); 5-*Strombidium cylindromorphum* Perejaslawzewa, 1886 (from Kahl, 1932), 6 -*Strombidium armatum* Burger, 1908 (from Song et al., 2000); 7-*Strombidium clavellinae* Buddenbrock, 1922 (from Fauré-Fremiet, 1932); 8-*Strombidium sauerbreyae* Kahl, 1932 (from Kahl, 1932); 9-*Strombidium faurei* Dragesco, 1960 (from Dragesco, 1960); 10-*Strombidium macronucleatum* Dragesco, 1960 (from Dragesco, 1960).

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Characters | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| BL in vivo | 40–60 | 55–70 | n/a | ca. 75 | ca. 40 | 50–60 | 70–80 | 80–100 | *ca.* 75 | 80–135 |
| Body shape | oblong | ellipsoidal | pot-like | ellipsoidal | cylindrical | ellipsoidal | widely oval | widely oval | ellipsoidal | widely oval |
| BFL: BL | ca. 1/4 | ca. 2/3 | ca. 1/4 | ca. 1/2 | ca. 1/2 | ca. 1/2 | ca. 1/3 | ca. 1/3 | ca. 1/4 | ca. 1/3 |
| TM, number | 3 | 2 | 3 | 2 | 0 | 3 | 4 | 0 | 2 | 0 |
| Ma, number | 1–4 | 1 | 1 | 1 | N/A | 1 | 1 | 1 | 1 | 1 |
| Habitat | marine | marine | marine | marine | marine | marine | marine | marine | marine | marine |

BFL, buccal field length; BL, body length; Ma, macronuclear nodules; n/a, non available; TM, thigmotactic membranelles