***Mylestoma anatinum***

**(Penard, 1922) Kahl, 1928**

**Most likely ID:** n.a.

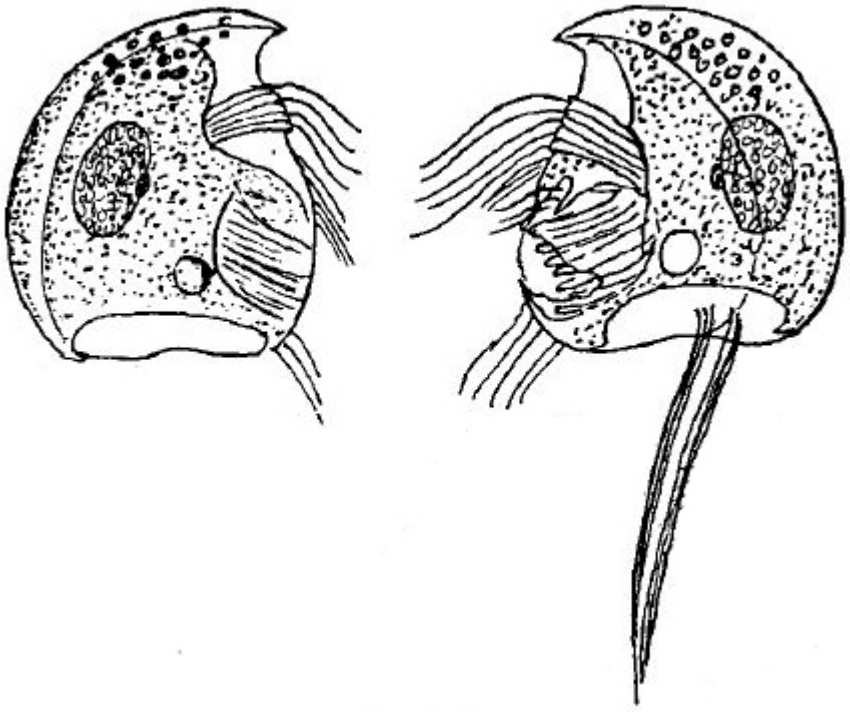
**Synonym:** n.a.

**Sampling location:** **Simmelried**

**Phylogenetic tree:** ***Mylestoma anatinum***

**Diagnosis:**

- body discoidal, laterally flattened
- length 20–25 µm
- both sides flat
- pellicle armour-like
- no dorsal spine
- a large indentations at posterior end
- C-shaped ridge on right side
- two long cirri at posterior end of left side
- single oval macronucleus and one spherical micronucleus




Mylestoma anatinum

*Mylestoma anatinum* ist common in the mud of Simmelried. The species can be regognized by the lack of dorsal  spine and a large, posterior indentation (s. fig. 4a). Two cirri are located at the posterior end of the left side (s. fig. 1a-c and fig. 2 a-b). According to Kahl *Mylestoma anatinum* reaches a length of up to 25 µm. In my population the specimens reached a length of 21–27 µm what is within the common variation.

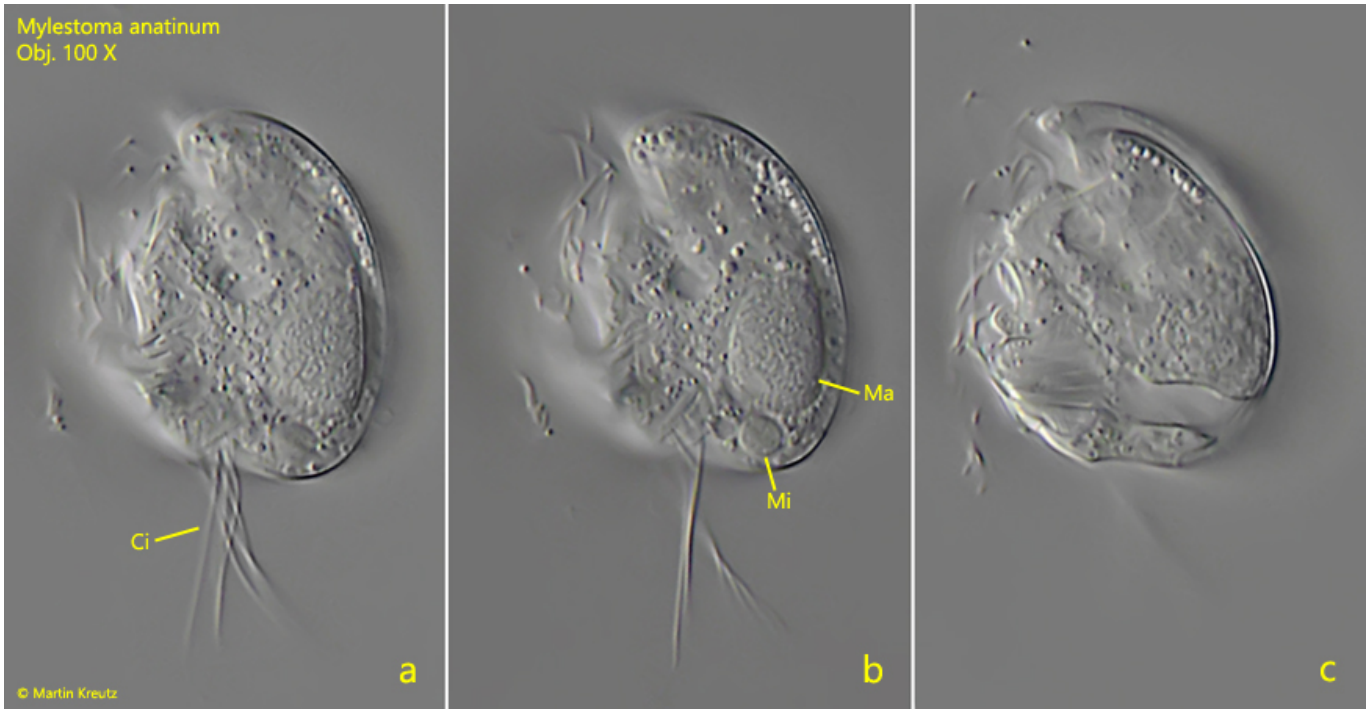


**Fig. 1 a-c:** *Mylestoma anatinum*. L = 25 µm. Three focal planes of a freely swimming specimen from the left side. Ci = posterior cirri, Ma = macronucleus, Mi = micronucleus. Obj. 100 X.

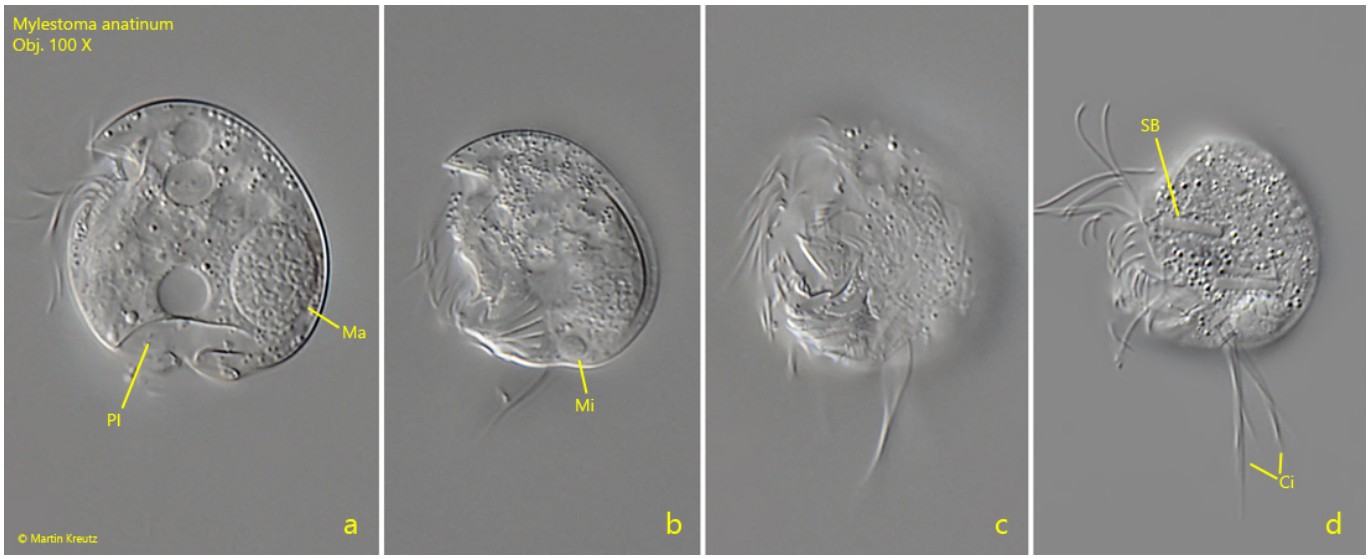



**Fig. 2 a-d:** *Mylestoma anatinum*. L = 22 µm. Four focal planes of a slightly squashed second specimen from the left side. Ci = posterior cirri, Ma = macronucleus, Mi = micronucleus, PI = posterior indentation, SB = symbiotic bacteria. Obj. 100 X.


**Fig. 3 a-d:** *Mylestoma anatinum*. L = 21 µm. Four focal planes of a third specimen from the left side. AZM = adorale zone of membranelles, Ci = posterior cirri, Ma = macronucleus, Mi = micronucleus. Obj. 100 X.

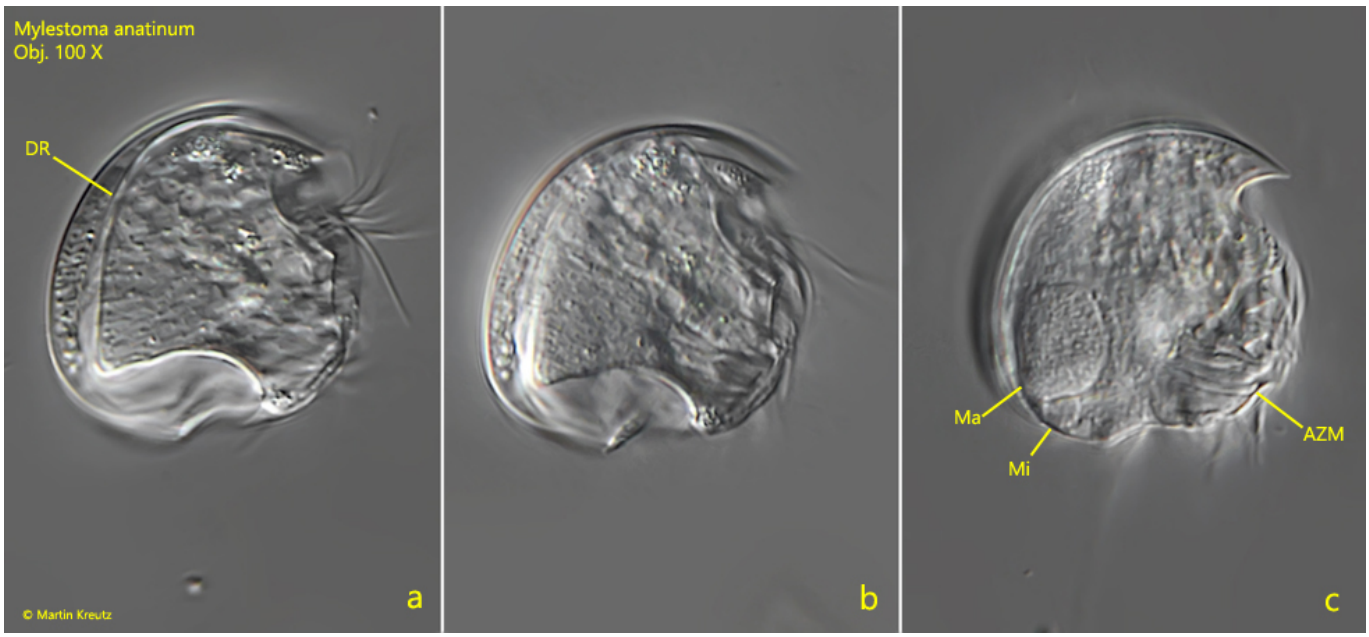



**Fig. 4 a-c:** *Mylestoma anatinum*. L = 27 µm. Three focal planes of a slightly squashed specimen from the right side. AZM = adorale zone of membranelles, DR = dorsal ridge, Ma = macronucleus, Mi = micronucleus. Obj. 100 X.

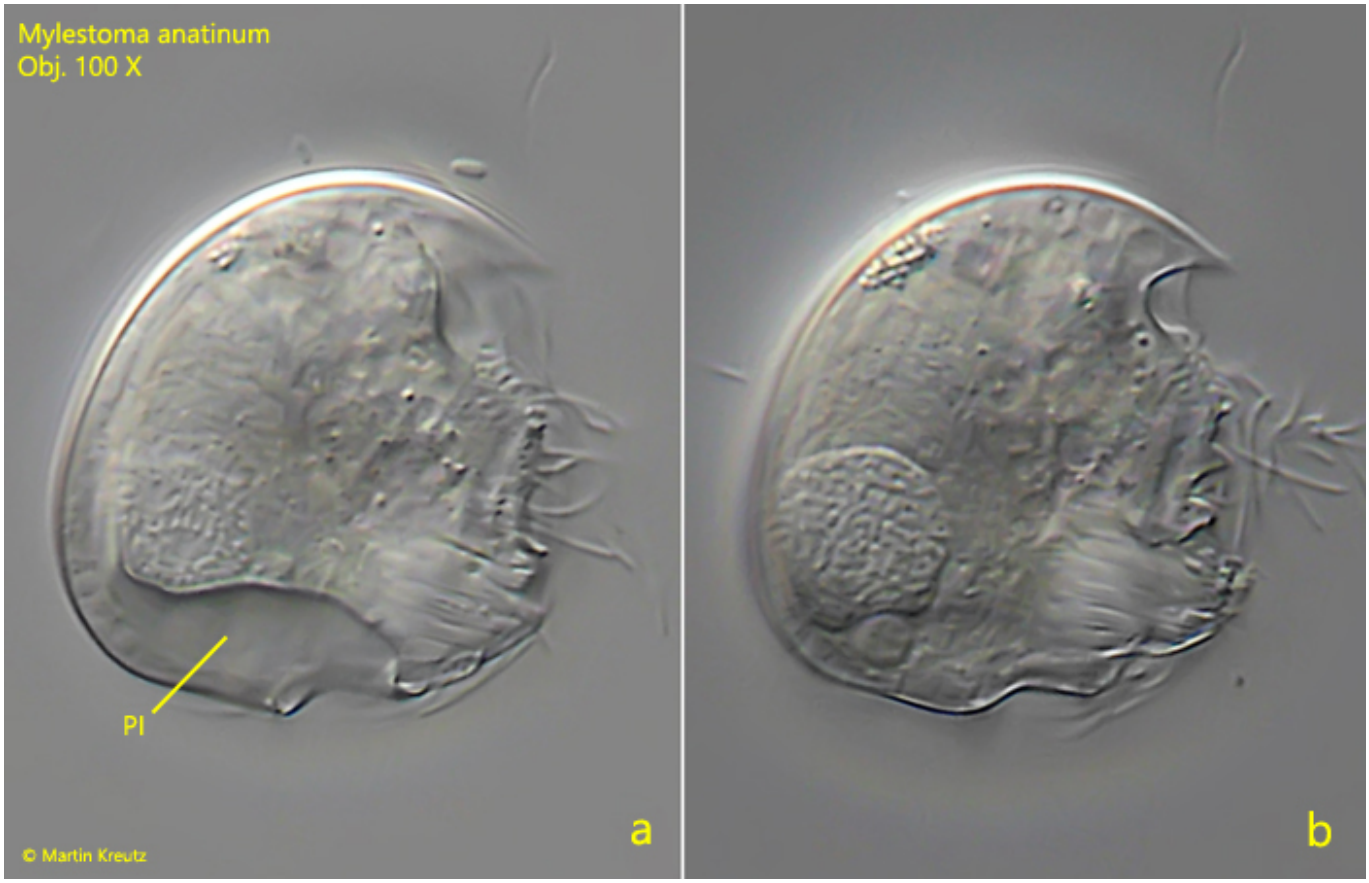



**Fig. 5 a-b:** *Mylestoma anatinum*. L = 26 µm. Two focal planes of a second specimen from the right side. PI = posterior indentation. Obj. 100 X.

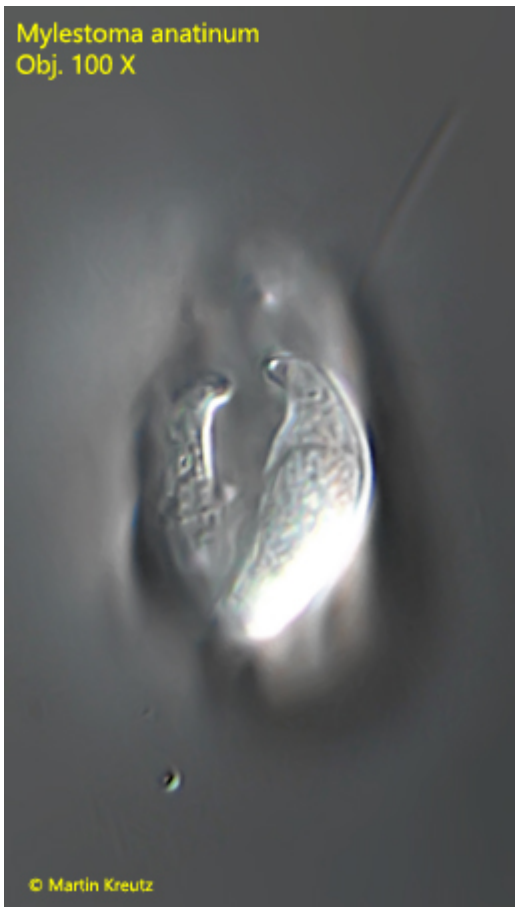



**Fig. 6:** *Mylestoma anatinum*. Posterior view of a freely swimming specimen. Obj. 100 X.