

Enterocytozoonida

Nosematida

Glugeida

Astathelohanida

Neoperezida

Ovavesiculida

Caudosporida

Amblyosporida I

'Glugeida+'

Maximum likelihood phylogenetic tree reconstruction with 307 ultrafast bootstrap iterations of the microsporidian MOTUs (MICMOTUs) detected in *Asellus aquaticus* (in bold) including microsporidian sequences representing the microsporidian taxonomy *sensu* Bojko et al. (2022). Substitution model was GTR+R+I5. *Amphiamblys* sp. (KX214674) and *Chytridiopsis typographi* (MH728789) were used as outgroups. GenBank accession numbers are shown in brackets.

