

Supplementary material

Supplementary Table S1: Accession numbers of the 18S rDNA gene sequences of the commensal ciliates isolated from the African millipede *Archispirostreptus gigas*.

Species name	Isolate label	GenBank Accession number	Collection year	Country of origin of the host	Locality	Host Organism	Source
<i>Nyctotherus velox</i> (Leidy, 1849)	2K_AG	OQ474962	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Ciliate culture from hindgut
<i>Nyctotherus velox</i> (Leidy, 1849)	3K_AG	OQ474963	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Ciliate culture from hindgut
<i>Nyctotherus velox</i> (Leidy, 1849)	4K_AG	OQ474964	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Ciliate culture from hindgut
<i>Nyctotherus velox</i> (Leidy, 1849)	6K_AG	OQ474965	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Ciliate culture from hindgut
<i>Nyctotherus velox</i> (Leidy, 1849)	7K_AG	OQ474966	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Ciliate culture from hindgut
<i>Nyctotherus velox</i> (Leidy, 1849)	8K_AG	OQ474967	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Ciliate culture from hindgut
<i>Nyctotherus velox</i> (Leidy, 1849)	9K_AG	OQ474968	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Ciliate culture from hindgut
<i>Nyctotherus velox</i> (Leidy, 1849)	10K_AG	OQ474969	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Ciliate culture from hindgut
<i>Nyctotherus archispirostreptae</i> n. sp.	3E_AG	OQ474960	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Hindgut content
<i>Nyctotherus archispirostreptae</i> n. sp.	8E_AG	OQ474959	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Hindgut content
<i>Nyctotherus velox</i> (Leidy, 1849)	11E_AG	OQ474961	2012	Tanzania	Laboratory breeding, Czech Republic	<i>Archispirostreptus gigas</i> (Peters, 1868)	Hindgut content

Supplementary Table S2: Accession numbers of the 18S rDNA
gene sequences of the ciliates used in the phylogenetic tree

Species name	GenBank
	Accession number
<i>Nyctotherus velox</i>	AJ006713.1
<i>Anteclevelandella constricta</i>	MT675973.1
<i>Clevelandella constricta</i>	KC139713.1
<i>Clevelandella hastula</i>	MT675987.1
<i>Clevelandella lynni</i>	MN966414.1
<i>Clevelandella nipponensis</i>	KC139714.1
<i>Clevelandella panesthiae</i>	MT675990.1
<i>Clevelandella parapanesthiae</i>	MT675998.1
<i>Metopus fuscus</i>	KF607083.1
<i>Metopus hasei</i>	MH086817.1
<i>Metopus minor</i>	MH086822.1
<i>Metopus setosus</i>	KY855536.1
<i>Nyctotheroides cordiformis</i>	MK084748.1
<i>Nyctotheroides deslierresae</i>	AF145353.1
<i>Nyctotheroides grimi</i>	MK087045.1
<i>Nyctotheroides hubeiensis</i>	KT247989.1
<i>Nyctotheroides parvus</i>	AF145352.1
<i>Nyctotheroides pyriformis</i>	KX010599.1
<i>Nyctotherus galerus</i>	MN966415.1
<i>Nyctotherus ovalis</i>	AJ222678.1
<i>Nyctotherus sp.</i>	KC139720.1
<i>Nyctotherus sp.</i>	KC139721.1
<i>Paraclevelandia brevis</i>	MT676006.1
<i>Sicuophora multigranularis</i>	MH301103.1