



**Figure S1.** Maximum likelihood (ML) tree inferred from concatenated rDNA loci (SSU rDNA, ITS1-5.8S-ITS2 and LSU rDNA) showing nodal support for ML and BI analyses. Newly sequenced species, i.e., *Tintinnopsis hemispiralis*, *T. kiaochowensis*, and *T. uruguayensis* are shown in bold. See Table S1 for GenBank accession numbers. All species possess SSU rDNA; species including ITS1-5.8S-ITS2 were marked with red stars; species including LSU rDNA were marked with green circles. Species with no marks include the three loci. Asterisks (\*) reflect disagreements in topology between the BI and ML trees; black circles reflect fully supported nodes. The scale bar corresponds to 0.1 expected substitutions per site.

**Table S1.** List of sequences of concatenated tree. Newly sequenced species, i.e., *Tintinnopsis hemispiralis*, *T. kiaochowensis*, and *T. uruguayensis* are shown in bold.

Species in concatenated rDNA	SSU rDNA	ITS1-5.8S-ITS2	LSU rDNA
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	GB accession number	GB accession number	GB accession number
<i>Amphorellopsis acuta</i>	MK036420		MK809534
<i>Amphorides amphora</i>	JX101849		
<i>Amphorides minor</i>	KY290324	KY290301	
<i>Antetintinnidium mucicola</i>	KU715767	KU715807	JN831889
<i>Ascampbelliella acuta</i>	KY290315	KY290293	
<i>Climacocylis scalaria</i>	JQ408213		
<i>Climacocylis scalaroides</i>	KY290330		
<i>Codonaria cistellula</i>	JQ408202	JQ408167	
<i>Codonella apicata</i>	EU399531		
<i>Codonella aspera</i>	JQ408179	JQ408166	
<i>Codonellopsis americana</i>	AY143571		
<i>Codonellopsis morchella</i>	JQ408192	JQ408173	
<i>Codonellopsis nipponica</i>	FJ196072		
<i>Coxliella</i> sp.	JX101851		
<i>Cyrtostrombidium longisomum</i>	KJ609953		
<i>Cyttarocylis acutiformis</i>	KY290316	KY290294	
<i>Cyttarocylis cassis</i>	JQ408203		
<i>Cyttarocylis eucecryphalus</i>	JQ408186		
<i>Dadayiella ganymedes</i>	JX101853		
<i>Dictyocysta elegans</i>	KY290318		
<i>Dictyocysta lepida</i>	KT792929		
<i>Dictyocysta reticulata</i>	EU399532		
<i>Epiplocyloides ralumensis</i>	JX101854		
<i>Epiplocylis undella</i>	KY290319	KY290296	
<i>Eutintinnus apertus</i>	KU715759	KU715796	
<i>Eutintinnus lususundae</i>	MK036421		MK809533
<i>Eutintinnus medius</i>	KY290320	KY290297	
<i>Eutintinnus pectinis</i>	AY143570		JN831856
<i>Eutintinnus perminutus</i>	KT79292	KY290298	
<i>Eutintinnus stramentus</i>	JX101859		
<i>Favella campanula</i>	KM222099		KM222151
<i>Favella ehrenbergii</i>	GU574770		JN831865
<i>Favella panamensis</i>	KU715760		
<i>Halteria grandinella</i>	MF002432		
<i>Helicostomella subulata</i>	JQ716991	KM982879	JN831876
<i>Leprotintinnus nordqvisti</i>	KU715761	KU715800	
<i>Lynnella semiglobulosa</i>	FJ876965		
<i>Metacylis angulata</i>	KY290322	KY290300	
<i>Metacylis tropica</i>	KP883283		
<i>Neokeronopsis asiatica</i>	KM061386		
<i>Novistrombidium apsheronicum</i>	FJ876958		
<i>Oxytricha granulifera</i>	KJ081199	MG206235	AF508762

<i>Parafavella parumdentata</i>	KY290328		
<i>Parastrombidinopsis minima</i>	DQ393786		
<i>Parastrombidinopsis shimi</i>	AJ786648		
<i>Parundella aculeata</i>	KY290327		
<i>Pelagostrobilidium minutum</i>	FJ876959		
<i>Pelagostrobilidium neptuni</i>	AY541683		
<i>Petalotricha ampulla</i>	KY290317	KY290295	
<i>Protorhabdonella curta</i>	JX101863		
<i>Protorhabdonella simplex</i>	KY290323		
<i>Ptychocylis minor</i>	KY290321	KY290299	
<i>Rhabdonella hebe</i>	AY143566		
<i>Rhabdonella poculum</i>	JX101864		
<i>Rhabdonella spiralis</i>	KT792932	KY290307	
<i>Rimostrombidium veniliae</i>	FJ876964		
<i>Salpingacantha undata</i>	KY290325		
<i>Spirotontonia turbinata</i>	FJ422994		
<i>Steenstrupiella steenstrupii</i>	EU399537	KY290308	
<i>Stenosemella</i> sp.	KU715763		
<i>Stenosemella steini</i>	KT792927	KM982880	
<i>Stenosemella ventricosa</i>	EU399538	KU715804	KU715785
<i>Strobilidium caudatum</i>	FJ377546		
<i>Strombidinopsis acuminata</i>	FJ790209		
<i>Strombidium sulcatum</i>	AY143573		
<i>Stylicauda platensis</i>	JN831832		JN831918
<i>Tintinnidium primitivum</i>	KU715766	KU715806	
<i>Tintinnopsis acuminata</i>	JN831840		JN831925
<i>Tintinnopsis baltica</i>	JN83180	KU715808	JN831895
<i>Tintinnopsis beroidea</i>	EF123709		
<i>Tintinnopsis brasiliensis</i>	KU715768	KU715809	KU715789
<i>Tintinnopsis buetschlii</i>	JN831809		JN831898
<i>Tintinnopsis cylindrica</i>	KU715769	KU715811	JN831901
<i>Tintinnopsis dadayi</i>	AY143562		
<i>Tintinnopsis everta</i>	MG461220		
<i>Tintinnopsis fimbriata</i>	AY143560		
<i>Tintinnopsis fistularis</i>	KU715770	KU715812	
<b><i>Tintinnopsis hemispiralis</i></b>	<b>MT435073</b>	<b>MT435060</b>	<b>MT435076</b>
<b><i>Tintinnopsis kiaochoensis</i></b>	<b>MT435074</b>	<b>MT435061</b>	<b>MT435077</b>
<i>Tintinnopsis kiangsuensis</i>	JN831850		JN831935
<i>Tintinnopsis levigata</i>	MK982811		
<i>Tintinnopsis lobiancoi</i>	JN831813		JN831903
<i>Tintinnopsis major</i>	JN831818		JN831906
<i>Tintinnopsis nana</i>	JN831821	KM982888	JN831909
<i>Tintinnopsis orientalis</i>	MK036422		MK809532
<i>Tintinnopsis parva</i>	JN831824	KM982890	JN831911

<i>Tintinnopsis pseudocylindrica</i>	JN831854		JN831938
<i>Tintinnopsis radix</i>	KU715774	KU715816	
<i>Tintinnopsis rapa</i>	JN831834	KM982892	JN831920
<i>Tintinnopsis rara</i>	JQ408200		
<i>Tintinnopsis</i> sp.	KU715775	KU715817	
<i>Tintinnopsis</i> sp. JG-2011a	JX178770		
<i>Tintinnopsis subacuta</i>	EU399541		
<i>Tintinnopsis tentaculata</i>	MK036423		MK809531
<i>Tintinnopsis tenuis</i>	JN831848	KM982896	JN831933
<i>Tintinnopsis tocatinensis</i>	AY143561		JN831921
<i>Tintinnopsis tubulosa</i>	AB640683		
<i>Tintinnopsis tubulosoides</i>	AF399111	AF399020	
<i>Tintinnopsis turbinata</i>	JN831846		JN831931
<i>Tintinnopsis urnula</i>	JN831852		JN831937
<b><i>Tintinnopsis uruguayensis</i></b>	<b>MT435075</b>	<b>MT435062</b>	<b>MT435078</b>
<i>Tintinnopsis uruguayensis</i>	JN831838		JN831923
<i>Tintinnopsis ventricosoides</i>	KU715776	KU715818	KU715793
<i>Undella marsupialis</i>	JQ408214		
<i>Undella subcaudata</i>	KT792931		
<i>Urostyla grandis</i>	KP681648		
<i>Xystonella longicauda</i>	KT792933	JQ408160	

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