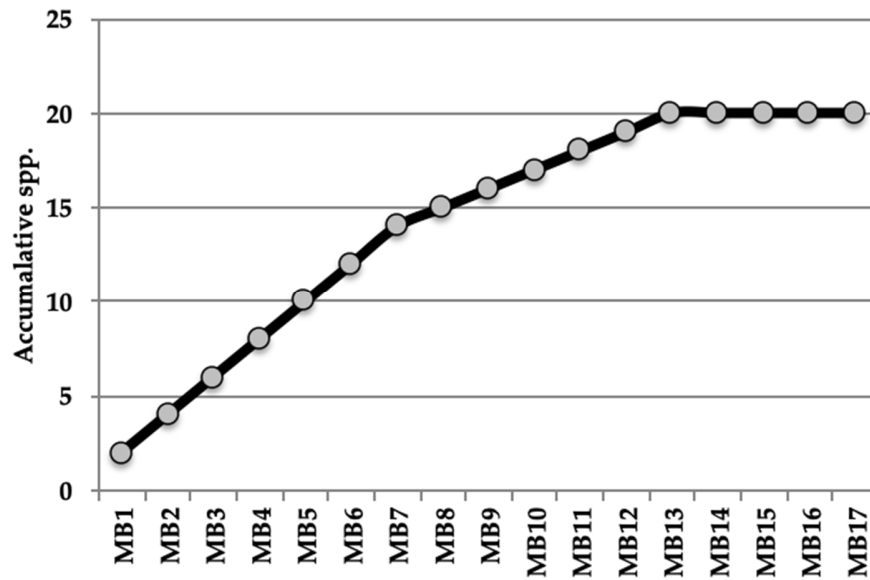


Supplementary Information

Regional planktonic rotifer biodiversity in a tropical karst lake district

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SI-Fig. 1. Accumulation curve of species of planktonic rotifers in 17 lakes of the PNLM, Chiapas, Mexico.

SI-Table 1. Cumulative density (D) and biomass (B) per rotifer species recorded in the lakes of the PNLM, Chiapas, Mexico. (n = number of lakes).

Species	Cold/dry			Warm/rainy		
	n	D (ind L ⁻¹)	B (µg L ⁻¹)	n	D (ind L ⁻¹)	B (µg L ⁻¹)
<i>Keratella americana</i>	13	499.4	2.5	10	421.4	2.11
<i>Keratella tropica</i>	5	157.6	0.3	5	107.8	0.22
<i>Testudinella patina</i>	3	128.4	23.5	0	0.0	0.0
<i>Filinia longiseta</i>	6	23.6	0.8	5	52.8	1.88
<i>Keratella cochlearis</i>	4	65.6	0.1	3	8.2	0.0
<i>Brachionus havanaensis</i>	6	3.4	0.1	2	49.6	0.8
<i>Brachionus calyciflorus species complex</i>	3	12.6	0.4	5	22.0	0.7
<i>Filinia terminalis</i>	2	6.4	0.3	2	19.4	1.0
<i>Plationus patulus</i>	1	18.6	0.2	3	5.6	0.1
<i>Polyarthra vulgaris</i>	1	13.0	0.4	1	10.8	0.3
<i>Hexarthra intermedia</i>	5	16.0	0.4	3	6.8	0.2
<i>Ptygura</i> sp.	8	1.2	0.0	2	13.4	0.2
<i>Brachionus angularis</i>	5	3.2	0.0	3	14.2	0.1
<i>Asplanchna girodi</i>	1	10.6	2.4	2	0.4	0.09
<i>Lecane bulla</i>	4	7.0	1.4	3	1.4	0.3
<i>Lecane papuana</i>	0	0.0	0.0	2	1.4	0.3
<i>Platyias quadricornis</i>	1	0.8	0.2	0	0.0	0.0
<i>Brachionus rubens</i>	2	0.4	0.0	0	0.0	0.0
<i>Macrochaetus</i> sp.	1	0.2	0.0	0	0.0	0.0
<i>Brachionus bidentatus</i>	1	0.2	0.0	0	0.0	0.0
<i>Synchaeta oblonga</i>	1	0.2	0.0	0	0.0	0.0

SI-Table 2. PCA weight values for species richness, density, biomass and density of each species for first two principal components.

Species	Component 1	Component 2
Species richness	-0.65998	-1.96221
Density	4.11055	0.33902
Biomass	-0.15593	-3.08122
<i>K. americana</i>	1.86912	-1.05884
<i>K. tropica</i>	-0.04255	-0.33609
<i>T. patina</i>	-0.20821	0.05112
<i>F. longiseta</i>	-0.26990	-0.06785
<i>K. cochlearis</i>	-0.28799	0.03487
<i>B. havanaensis</i>	-0.20927	0.07771
<i>B. calyciflorus species complex</i>	-0.23844	0.46188
<i>F. terminalis</i>	-0.35551	0.03431
<i>P. patulus</i>	-0.36257	0.07914
<i>P. vulgaris</i>	-0.37164	0.07498
<i>H. intermedia</i>	-0.28995	0.00127
<i>Ptygura sp.</i>	0.53662	2.19159
<i>B. angularis</i>	-0.17348	1.26590
<i>A. girodi</i>	-0.37091	0.08372
<i>L. bulla</i>	-0.29395	0.00357
<i>L. papuana</i>	-0.36801	0.05539
<i>P. quadricornis</i>	-0.38056	0.08725
<i>B. rubens</i>	-0.36420	0.20603
<i>Macrochaetus sp.</i>	-0.36441	0.11182
<i>B. bidentatus</i>	-0.38148	0.08984
<i>S. oblonga</i>	-0.36736	1.25682
Eigenvalue	13.22	1.27
Percentage of variance explained	77.7	7.43