

Supplementary material

Species-specific cuticular phenotypes in Eutardigrada: a morphometric approach to analyze the variation of star shaped pores in *Minibiotus* species.

Alba Dueñas-Cedillo ^{1,2}, Jazmín García-Román ^{1,2}, Enrico Alejandro Ruiz ^{1,*}, and Francisco Armendáriz-Toledano ^{2,*}

- 1 Laboratorio de Ecología, Departamento de Zoología, Escuela Nacional de Ciencias Biológicas, Instituto Politécnico Nacional. Prolongación de Carpio y Plan de Ayala s/n. C.P. 11340. Ciudad de México, México; aduenasc1600@alumno.ipn.mx, lgarcia0706@alumno.ipn.mx, eruizc@ipn.mx.
 - 2 Colección Nacional de Insectos, Departamento de Zoología, Instituto de Biología, Universidad Nacional Autónoma de México, Cto. Zona Deportiva S/N, C.U., C. P. 04510, Ciudad de México, México; farmendariztoledano@ib.unam.mx
- * Correspondence: E.A.R. eruizc@ipn.mx, F.A-T. farmendariztoledano@ib.unam.mx,

Table S1. Linear regression of all morphometric traits measured of the star-shaped pored of *Minibiotus citlalium* in relation to buccal tube length (BTL). Data log–log transformed. N = sample size, b = slope, a* = intercept, r^2 = coefficient of correlation, $t = (b)1/SE$ of b, p = probability that b differs from slope of 1. Traits with $p < 0.05$ are allometric and are indicated in bold.

Trait	N	b	a*	r^2	$p(r^2)$	t	p (t)
Diameter of disc area (DDA)	24	0.608	-0.784	0.005	0.732	-0.223	0.825
Diameter of arm area (DAA)	24	1.030	-1.217	0.014	0.576	0.016	0.987
DAA/DDA	24	0.421	-0.434	0.018	0.528	-0.881	0.388
Average arm length (AAL)	24	-2.218	2.733	0.155	0.057	-2.917	0.008
Average arm width (AAW)	24	-2.867	3.899	0.239	0.015	-3.545	0.002
AAW/AAL	24	-0.649	1.166	0.031	0.414	-2.117	0.046

Table S2. Linear regression of all morphometric traits measured of the star-shaped pores of *Minibiotus sidereus* in relation to buccal tube length (BTL). Data log–log transformed. N = sample size, b = slope, a*= intercept, r^2 = coefficient of correlation, $t = (b-1)/SE$ of b, p = probability that b differs from slope of 1. Traits with $p < 0.05$ are allometric and are indicated in bold.

Trait	N	b	a*	r^2	$p(r^2)$	t	p (t)
Diameter of disc area (DDA)	34	0.499	-0.612	0.057	0.173	-1.401	0.171
Diameter of arm area (DAA)	34	0.389	-0.104	0.038	0.267	-1.777	0.085
DAA/DDA	34	-0.110	0.507	0.004	0.732	-3.491	0.001
Average arm length (AAL)	34	-8.799	12.261	0.186	0.011	-3.007	0.005
Average arm width (AAW)	34	-10.435	14.572	0.238	0.003	-3.462	0.002
AAW/AAL	34	-1.636	2.311	0.310	0.001	-6.116	0.000