

Schwind *et al.* Temporal influence on the functional traits of testate amoebae in a floodplain lake. *Limnetica* 35 (2): 355-364 (2016)

SUPPLEMENTARY INFORMATION

Table S1. Testate amoebae composition and their functional traits. Taxonomical classification: A = Arcellinida; B = Euglyphida. Shell constitution: C = agglutinated; D = proteinaceous; E = siliceous. Gas vacuole: F = presence; G = absence. *Composição de amebas testáceas e seus traços funcionais. Classificação taxonômica: A = Arcellinida; B = Euglyphida. Constituição da carapaça: C = aglutinada; D = proteica; E = silicosa. Vacúolo gasoso: F = presença; G = ausência.*

Testate amoeba species	Taxonomic classification	Shell constitution	Gas vacuole	Flooding		Drought	
				Density (ind/m ³)	Standard Deviations	Density (ind/m ³)	Standard Deviations
ARCELLINIDA							
ARCELLIDAE							
<i>Arcella arenaria</i> Greef, 1866	A	D	F	1.0	0.2	6.3	1.1
<i>A. brasiliensis</i> Cunha, 1913	A	D	F	18.9	3.4	0.0	0.0
<i>A. catinus</i> Penard, 1980	A	D	F	1.0	0.2	0.0	0.0
<i>A. conica</i> (Playfair, 1917)	A	D	F	3331.6	340.7	730.4	85.7
<i>A. costata</i> Ehrenberg, 1847	A	D	F	3331.1	365.7	1554.0	198.9
<i>A. crenulata</i> Deflandre, 1928	A	D	F	0.0	0.0	6.3	1.1
<i>A. dentata</i> Ehrenberg, 1838	A	D	F	22.4	3.6	0.0	0.0
<i>A. discoides</i> Ehrenberg, 1843	A	D	F	1641.5	210.4	1403.6	168.7
<i>A. gibbosa</i> Penard, 1890	A	D	F	2884.8	441.1	1048.7	115.4
<i>A. gibbosa mitriformis</i> Deflandre, 1928	A	D	F	16.0	2.9	0.0	0.0
<i>A. hemisphaerica</i> Perty, 1852	A	D	F	1625.3	183.5	638.9	107.2
<i>A. megastoma</i> Penard 1902	A	D	F	198.4	31.7	102.0	18.0
<i>A. mitrata</i> Leidy 1879	A	D	F	726.3	76.1	150.3	24.0
<i>A. mitrata</i> var. <i>spectabilis</i> Deflandre 1928	A	D	F	321.3	51.0	250.0	45.0
<i>A. nordestina</i> Vucetich, 1973	A	D	F	0.0	0.0	50.0	9.0
<i>A. vulgaris</i> Ehrenberg 1830	A	D	F	2141.9	328.5	459.1	46.3
<i>A. vulgaris</i> f. <i>elegans</i> Deflandre, 1928	A	D	F	1.0	0.2	0.0	0.0
<i>A. vulgaris penardi</i> Deflandre, 1928	A	D	F	273.0	48.9	0.0	0.0
<i>A. vulgaris</i> f. <i>undulata</i> Deflandre, 1928	A	D	F	294.7	46.1	138.7	19.0
CENTROPYXIDAE							
<i>Centropyxis aculeata</i> (Ehrenberg, 1838)	A	C	G	11 213.9	1272.5	6148.0	764.6
<i>C. aerophila</i> Deflandre, 1929	A	C	G	222.6	40.1	1.0	0.2
<i>C. aerophila</i> var. <i>sphagnicola</i> Deflandre, 1929	A	C	G	0.0	0.0	16.0	2.9
<i>C. discoides</i> (Penard, 1890)	A	C	G	19.9	3.4	145.1	21.8
<i>C. ecornis</i> (Ehrenberg, 1841)	A	C	G	16.0	2.9	319.5	41.4
<i>C. gibba</i> Deflandre, 1929	A	C	G	2.3	0.4	0.0	0.0

<i>C. hirsuta</i> Deflandre, 1929	A	C	G	2553.9	357.3	306.7	50.0
<i>C. marsupiformis</i> (Wallich, 1864)	A	C	G	0.0	0.0	76.7	13.6
<i>C. platystoma</i> (Penard, 1902)	A	C	G	0.0	0.0	18.9	3.4
<i>C. spinosa</i> (Cash, 1905)	A	C	G	995.7	156.1	56.3	9.0
DIFFLUGIIDAE							
<i>Cucurbitella crateriformis</i> G.L. & Th., 1960	A	C	G	227.1	40.9	0.0	0.0
<i>C. dentata</i> G.L. & Th., 1960	A	C	G	1.0	0.2	3080.3	470.1
<i>C. dentata</i> f. <i>crucilobata</i> G.L. & Th., 1960	A	C	G	0.0	0.0	71.0	12.8
<i>C. dentata</i> f. <i>quinelobata</i> G.L. & Th., 1960	A	C	G	115.8	20.4	256.6	37.3
<i>C. dentata</i> f. <i>trilobata</i> G.L. & Th., 1960	A	C	G	3037.5	418.6	8719.5	1120.9
<i>C. madagascariensis</i> G.L. & Th., 1960	A	C	G	760.8	105.6	5088.7	679.1
<i>C. mespiliformis</i> Penard, 1902	A	C	G	132.5	23.8	18.9	3.4
<i>Cu. mespiliformis</i> var. <i>africana</i> G.L. & Th., 1958	A	C	G	1966.3	339.2	494.3	60.4
<i>Diffugia acuminata</i> Ehrenberg, 1838	A	C	G	0.0	0.0	228.9	38.0
<i>D. acutissima</i> Deflandre, 1931	A	C	G	132.5	23.8	47.8	8.4
<i>D. amphoralis</i> var. <i>globosa</i> G.L. & Th., 1958	A	C	G	0.0	0.0	51.0	9.0
<i>D. corona</i> Wallich, 1864	A	C	G	113.6	20.4	0.0	0.0
<i>D. corona</i> <i>ecornis</i> (G. L. & Th., 1958)	A	C	G	1971.7	209.2	2510.3	303.6
<i>D. corona</i> f. <i>tuberculata</i> Vucetich, 1973	A	C	G	1.0	0.2	0.0	0.0
<i>D. correntina</i> Vucetich, 1978	A	C	G	0.0	0.0	191.7	27.5
<i>D. globularis</i> Wallich, 1864	A	C	G	0.0	0.0	140.3	25.3
<i>D. gramen</i> Penard, 1902	A	C	G	6.8	1.2	0.0	0.0
<i>D. helvetica multilobata</i> G.L. & Th., 1958	A	C	G	5230.8	801.1	645.6	97.1
<i>D. limnetica</i> (Levander, 1900)	A	C	G	0.0	0.0	200.0	36.0
<i>D. litophila</i> Penard, 1902	A	C	G	134.5	23.8	255.0	35.7
<i>D. lobostoma</i> Leidy, 1879	A	C	G	1.0	0.2	54.9	8.6
<i>D. lobostoma cornuta</i> G.L. & Th., 1958	A	C	G	427.6	59.0	132.4	18.5
<i>D. lobostoma</i> var. <i>multilobata</i> G.L. & Th., 1958	A	C	G	2.0	0.3	0.0	0.0
<i>D. microclaviformis</i> (Kourov, 1925)	A	C	G	222.6	40.1	0.0	0.0
<i>D. multidentata</i> G.L. & Th., 1958	A	C	G	2.0	0.3	0.0	0.0
<i>D. muriformis</i> G.L. & Th., 1958	A	C	G	1.0	0.2	0.0	0.0
<i>D. muriformis crucilobata</i> G.L. & Th., 1958	A	C	G	6922.2	1,072.4	282.5	35.8
<i>D. oblonga</i> Ehrenberg, 1838	A	C	G	109.0	17.2	18.9	3.4
<i>D. parva</i> (Thomas, 1954)	A	C	G	1135.6	204.4	128.8	19.3

<i>D. pleustonica</i> Dioni, 1970	A	C	G	268.2	48.1	75.7	13.6
<i>D. pseudogramen</i> G.L. & Th., 1958	A	C	G	801.8	110.4	0.0	0.0
<i>D. schuurmani</i> Van Oye, 1931	A	C	G	468.5	67.2	3824.8	650.3
<i>D. stellastoma</i> Vucetich, 1989	A	C	G	1.0	0.2	0.0	0.0
<i>D. urceolata</i> Carter, 1864	A	C	G	1589.7	271.0	53.9	8.6
<i>D. ventricosa</i> Deflandre, 1926	A	C	G	1.0	0.2	59.8	10.2
<i>Protocucurbitella coroniformis</i> G.L. & Th., 1960	A	C	G	0.0	0.0	46.8	8.4
LESQUEREUSIIDAE							
<i>L. mimetica</i> Penard, 1902	A	C	G	0.0	0.0	122.8	19.6
<i>L. modesta</i> Rhumbler, 1896	A	C	G	0.0	0.0	19.9	3.4
<i>L. modesta</i> var. <i>caudata</i> (Playfair 1917)	A	C	G	1.0	0.2	0.0	0.0
<i>L. ovalis</i> G.L. & Th., 1960	A	E	G	18.9	3.4	46.8	8.4
<i>L. spiralis</i> (Ehrenberg, 1840)	A	D	G	113.6	20.4	18.9	3.4
<i>L. spiralis</i> var. <i>caudata</i> Playfair, 1917	A	D	G	2.3	0.4	1.0	0.2
<i>L. spiralis</i> var. <i>hirsuta</i> (G.L. & Th., 1958)	A	D	G	3581.2	640.8	100.0	18.0
<i>Netzelia oviformis</i> (Cash, 1909)	A	E	G	1.0	0.2	56.8	10.2
<i>N. tuberculata</i> (Wallich 1864)	A	E	G	18.9	3.4	46.8	8.4
<i>N. wailesi</i> (Ogden, 1980)	A	E	G	1.0	0.2	18.9	3.4
PHRYGANELLIDAE							
<i>Phryganella hemisphaerica</i> Penard, 1902	A	C	G	2.3	0.4	0.0	0.0
PLAGIOPYXIDAE							
<i>Plagiopyxis callida</i> Penard, 1910	A	C	G	1.0	0.2	0.0	0.0
TRIGONOPYXIDAE							
<i>C. kahli</i> (Deflandre, 1929)	A	C	G	1.0	0.2	0.0	0.0
EUGLYPHIDA							
EUGLYPHIDAE							
<i>Euglypha acanthophora</i> (Ehrenberg, 1841)	B	E	G	5.5	0.9	50.0	9.0