Dataset S2. Endogenous respiration rates in heterotrophic protozoa

Notes to Table **S2a**:

Data on endogenous respiration in heterotrophic protozoa mostly come from the compilation of Vladimirova & Zotin (1985). The data base for that work (Vladimirova & Zotin 1983, hereafter VZ83) is deposited at the All-Russian Institute of Scientific and Technological Information and was ordered from there. The data base contains more than 550 data entries for over 100 species (growing and starved cultures), of which 193 values of respiration in the absence of substrates (endogenous respiration) are presented below. Additionally, eight data entries were obtained from other sources (Ryley 1955a; Fenchel & Finlay 1983; Crawford et al. 1994). These data are presented in the end of the table with Source indicated as "other" and reference provided in the "**Reference**" column. Otherwise "**Source**" gives the original number of reference in the data base of Vladimirova & Zotin (1985); "**Reference**" is that reference itself; "**Culture age, stage or state**" gives literal translation of Vladimirova & Zotin's (1985) comments on data entries and/or relevant comments of other authors. Note that "Taxonomic group" is determined from various sources; this table should **not** be considered as an authoritative representation of protozoan complicated taxonomy.

"Original units" are the units of endogenous respiration rate measurements as given in the original publication (VZ83 or other); **qou** is the numeric value of endogenous respiration rate in the original units. In VZ83 data base all data are reported in ml oxygen consumed by 10^9 cells per hour, cell mass is simultaneously provided (column "**Mpg**").

qou is the numeric value of endogenous respiration rate in the original units.

qWkg is the original endogenous respiration rate **qou** converted to W (kg WM)$^{-1}$ (Watts per kg wet mass). For the data of VZ83, **qWkg** = (**qou** / **Mpg**)$\times$(20 J/ml O_2) $\times$ 10^6 /(3600 s) W (kg WM)$^{-1}$.

Mpg: cell mass, pg (1 pg = 10^{-12} g). Where **Mpg** value is in brackets, it was characterized in VZ83 as "mean for the species" and apparently determined from different sources than the source of respiration rate. The same with the data of Fenchel & Finlay (1983). However, this should not bias the mass-specific metabolic rate value, because, as pointed out by VZ83, normally metabolic rates in unicells are reported on a mass-specific basis, so dividing **qou** by **Mpg** (irrespective of how the latter is determined) is equivalent to retrieving the original mass-specific value. Notably, independent analyses of protozoan metabolic rates by Fenchel & Finlay (1983) and Vladimirova & Zotin (1985) yielded similar results with respect to the mean mass-specific metabolic rate, as analysed by Makarieva et al. (2005).

TC: temperature in degrees Celsius. All data in VZ83 correspond to 20 °C, so TC = 20 is shown everywhere in the "**TC**" column.

For each species, the minimum qWkg value was chosen and converted to 25 °C. Data used in the analyses presented in Table 1 and Figures 1-3 in the paper are, for convenience, compiled below in a separate Table **S2b**.

Table **S2a**. Endogenous respiration rates in heterotrophic Protozoa.

1. Taxonomic group	Species	Original units	qou	qWkg	Mpg	TC	Culture age, stage or state	Source	Reference
2. Acanthamoebidae	Acanthamoeba (Hartmanella) castellani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2.69	11.2	1340	20	Log	114	Griffiths & Hughes 1968
3. Acanthamoebidae	Acanthamoeba (Hartmanella) castellani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	33.7	28.2	[6700]	20	Log	297	Waidyasekera & Kitching 1975
4. Acanthamoebidae	Acanthamoeba (Hartmanella) castellani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	5.8	4.8	[6700]	20	Log	86	Edwards & Lloyd 1977a
5. Acanthamoebidae	Acanthamoeba (Hartmanella) castellani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	9.93	8.3	[6700]	20	Stationary	86	Edwards & Lloyd 1977a
6. Acanthamoebidae	Acanthamoeba (Hartmanella) castellani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	4.53	3.8	[6700]	20	Log	87	Edwards & Lloyd 1977b
7. Acanthamoebidae	Acanthamoeba sp.	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	4.08	5.3	4320	20		210	Neff et al. 1958
8. Actinophryidae	Actinosphaerium eichhornii	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	1037	0.4	14561000	20		135	Howland & Bernstein 1931
9. Amoebae	Amoeba proteus	nl O_2 (cell)$^{-1}$ hr^{-1}	0.248	1.5	[936000]	20	starved 2 d	OTHER	Fenchel & Finlay 1983
10. Amoebae	Amoeba proteus	nl O_2 (cell)$^{-1}$ hr^{-1}	0.450	1	900000	20	starved 2-4 d	OTHER	Fenchel & Finlay 1983
11. Euglenida	Astasia klebsii	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2.4	3.5	[3800]	20	Log	291	von Dach 1942
12. Euglenida	Astasia klebsii	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	1.2	1.8	[3800]	20	Stationary	291	von Dach 1942
13. Euglenida	Astasia klebsii	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	22	1.8	[3800]	20	Log	292	von Dach 1950
14. Euglenida	Astasia longa	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2206	9.4	13500	20	Synchronized	223	Padilla 1960
15. Euglenida	Astasia longa	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	22.7	20	6400	20		224	Padilla & James 1960
16. Euglenida	Astasia longa	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	3.8	4.4	4800	20	Log	139	Hunter & Lee 1962
17. Euglenida	Astasia longa	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	6.0	4.9	6900	20	Log	305	Wilson 1963
18. Euglenida	Astasia longa	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	4.1	3.8	6000	20	Log	306	Wilson & James 1963
19. Euglenida	Astasia longa	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	7.1	2.9	13500	20	Synchronized	306	Wilson & James 1963
20. Ciliophora	Bresslaua insidiatrix	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	111	23.9	26000	20	Active	252	Scholander et al. 1952
21. Ciliophora	Bresslaua insidiatrix	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	66	21.7	17000	20	Cysts	252	Scholander et al. 1952
22. Amoebidae	Chaos chaos	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	17250	1.3	73870000	20	1 day starvation	133	Holter & Zeuthen 1948
23. Amoebidae	Chaos chaos	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	15596	1.7	50000000	20	4-5 days starvation	132	Holter 1950
24. Amoebidae	Chaos chaos	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2297	1.3	9644000	20		252	Scholander et al. 1952
25. Amoebidae	Chaos chaos	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	6772	0.8	50000000	20		22	Albritton 1955
26. Cryptophyta	Chilomonas paramecium	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	6.4	16	2260	20	48 hr	191	Mast et al. 1936
27. Cryptophyta	Chilomonas paramecium	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	27.5	84	1840	20	Log	142	Hutchens et al. 1948
28. Cryptophyta	Chilomonas paramecium	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	24.4	61	[2260]	20		134	Holz 1954
29. Ciliophora	Coleps hirtus	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	68	4.2	91000	20	24 hr starvation	250	Sarojini & Nagabhushanam 1966
30. Ciliophora	Colpidium campylum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	104.5	10.8	[54400]	20	48 hr	230	Pitts 1932
31. Trypanosomatidae	Crithida (Strigomonas) fasciculata	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2.90	7.8	[2078]	20		138	Hunter & Cosgrove 1956

32. Trypanosomatidae	Crithida (Strigomonas) fasciculata	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2.96	8.0	[2078]	20	Log	70	Cosgrove 1959
33. Trypanosomatidae	Crithida (Strigomonas) fasciculata	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2.72	7.3	[2078]	20	44-48 hr	137	Hunter 1960
34. Trypanosomatidae	Crithidia (Strigomonas) oncopelti	μl O_2 (mg dry mass)$^{-1}$ hr^{-1}	12.4	10	[30]	30		OTHER	Ryley 1955a; [cell mass data: Holwill 1965, cylinder or pear shaped, 8.2×2.6 μm]
35. Dictyosteliida	Dictyostelium discodeum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.74	4.9	840	20	Amoebaform	112	Gregg 1950
36. Dictyosteliida	Dictyostelium discodeum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	1.33	7.6	980	20	Migration	112	Gregg 1950
37. Dictyosteliida	Dictyostelium discodeum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.80	7.7	580	20	Beginning of cumulation	112	Gregg 1950
38. Dictyosteliida	Dictyostelium discodeum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.83	9.5	490	20	Amoeba form	169,310	Liddel & Wright 1961; Wright 1964
39. Dictyosteliida	Dictyostelium discodeum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.48	6.9	390	20	Amoeba migration	169,310	Liddel & Wright 1961; Wright 1964
40. Dictyosteliida	Dictyostelium discodeum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.42	7.6	310	20	Precumilation	169,310	Liddel & Wright 1961; Wright 1964
41. Apicomplexa	Eimeria acervulina	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.40-1.52	2.0	2640	20	Sporulation	307	Wilson P. 1961
42. Apicomplexa	Eimeria stiedae	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	3.53	2.5	[7980]	20	Sporulation	296	Wagenbach & Burns 1969
43. Apicomplexa	Eimeria tenella	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	6.43	7.2	[5010]	20	Non-sporulating oocysts	262	Smith & Herrick 1944
44. Apicomplexa	Eimeria tenella	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2.22	2.3	5440	20	Sporulation	296	Wagenbach & Burns 1969
45. Trypanosomatidae	Endotrypanum schaudinni	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.019	0.93	[114]	20	Log	312	Zeledon 1960a
46. Trypanosomatidae	Endotrypanum schaudinni	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.017	0.84	[114]	20	Log	313	Zeledon 1960b
47. Trypanosomatidae	Endotrypanum schaudinni	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.020	1.0	[114]	20	Log	314	Zeledon 1960c
48. Trypanosomatidae	Endotrypanum schaudinni	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.018	0.88	[114]	20	Log	315	Zeledon 1960d
49. Entamoebidae	Entamoeba hystolitica	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	1.01	0.7	[8600]	20		202	Montalvo et al. 1971
50. Entamoebidae	Entamoeba hystolitica	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	1.20	0.4	[8600]	20		235	Reeves 1971
51. Entamoebidae	Entamoeba hystolitica	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	3.32	1.3	13900	20		299	Weinbach & Diamond 1974
52. Ciliophora	Frontonia leucas	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	49	0.4	745000	20		158	Laybourn & Finlay 1976
53. Trypanosomatidae	Leishmania brasiliensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.076	33	13	20	Log	79	de Monge & Zeledón 1963
54. Trypanosomatidae	Leishmania brasiliensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.076	33	13	20	Log	316	Zeledon & de Monge 1966
55. Trypanosomatidae	Leishmania brasiliensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.032	22	8	20	Log	316	Zeledon & de Monge 1966
56. Trypanosomatidae	Leishmania brasiliensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.074	59	13	20	Log	317	Zeledon & de Monge 1967
57. Trypanosomatidae	Leishmania brasiliensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.028	22	7	20	Log	317	Zeledon & de Monge 1967
58. Trypanosomatidae	Leishmania brasiliensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.032	20	9	20	Log	317	Zeledon & de Monge 1967
59. Trypanosomatidae	Leishmania brasiliensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.040	28	8	20	Log	317	Zeledon & de Monge 1967
60. Trypanosomatidae	Leishmania donovani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.039	12	[18]	20		102	Fulton & Joyner 1949
61. Trypanosomatidae	Leishmania donovani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.055	17	[18]	20	3 days	56	Chatterjee & Ghosh 1959
62. Trypanosomatidae	Leishmania donovani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.030	9.3	[18]	20	6 days	56	Chatterjee & Ghosh 1959
63. Trypanosomatidae	Leishmania donovani	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.249	77	[18]	20	3 days	108	Ghosh & Chatterjee 1961
64. Trypanosomatidae	Leishmania enrietti	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.015	7.0	[12]	20	Log	312	Zeledon 1960a
65. Trypanosomatidae	Leishmania enrietti	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.017	7.9	[12]	20	Log	313	Zeledon 1960b
66. Trypanosomatidae	Leishmania enrietti	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.022	10	[12]	20		111	Greenblatt & Glaser 1965
67. Paramoebidae	Mayorella palestinensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	5.52	3.7	8300	20	1 day starvation	236	Reich 1948
68. Dinophyceae	Noctiluca miliaris	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	57897	1.4	223986000	20		232	Rajagopal 1962
69. Ciliophora	Paramecium aurelia	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	354	34.9	105000	20	10 days	219	Pace & Kimura 1944

70. Ciliophora	Paramecium aurelia	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	775	34.2	127000	20	5-7 days	215	Pace 1945
71. Ciliophora	Paramecium aurelia	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	81.5	2.9	160000	20	2 days starvation	258	Simonsen & Van Wagtendonk 1952
72. Ciliophora	Paramecium aurelia	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	266-280	9.6	160000	20	2 days starvation	165	Levine & Howard 1955
73. Ciliophora	Paramecium calkinsi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	158-177	10.0	[157000]	20	Capable of copulation	32,33	Boell & Woodruff 1940
74. Ciliophora	Paramecium calkinsi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	272-304	6.0	[157000]	20	Incapable of copulation	32,33	Boell & Woodruff 1940
75. Ciliophora	Paramecium calkinsi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	89-101	10.5	[157000]	20	Basal level	33	Woodruff 1940
76. Ciliophora	Paramecium calkinsi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	285	3.4	[157000]	20		31	Boell 1945
77. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	79	0.8	[526000]	20	Saturated	179	Lund 1918
78. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	22	0.2	[526000]	20	2 days starvation	179	Lund 1918
79. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2713	30.3	501000	20		73	Cunningham & Kirk 1942
80. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2110	17.7	668000	20	10 days	219	Pace & Kimura 1944
81. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	418	4.5	526000	20		61	Clark 1945
82. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2804	25.4	618000	20	5 days	215	Pace 1945
83. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	2464	22.1	618000	20	15 days	215	Pace 1945
84. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	1709	15.5	618000	20	19 days	215	Pace 1945
85. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	394	4.2	526000	20		211	Nicol 1960
86. Ciliophora	Paramecium caudatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	300	3.2	530000	20		17,18	Khlebovitch 1972; 1974
87. Ciliophora	Paramecium multimicronucleatum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	646	5.3	[685000]	20		191	Mast et al. 1936
88. Amoebidae	Pelomyxa carolinensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	7050	1.1	36730000	20	3 days starvation	216	Pace & Belda 1944a
89. Amoebidae	Pelomyxa carolinensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	6381	1.0	35400000	20		217	Pace & Belda 1944b
90. Amoebidae	Pelomyxa carolinensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	5728	1.0	32830000	20		217	Pace & Belda 1944b
91. Amoebidae	Pelomyxa carolinensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	6291	1.1	32010000	20		217	Pace & Belda 1944b
92. Amoebidae	Pelomyxa carolinensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	5594	0.9	36060000	20		220	Pace & Kimura 1946
93. Amoebidae	Pelomyxa carolinensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	4763	0.5	49708000	20		218	Pace & Frost 1948
94. Amoebidae	Pelomyxa carolinensis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	8041	0.9	49708000	20	Young	222	Pace & McCashland 1951
95. Amoebidae	Pelomyxa palustris	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	11955	0.7	90000000	20		163	Leiner et al. 1968
96. Apicomplexa	Plasmodium cathemerium	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.017	1.8	54	20	Intact blood, ¼ growth	184	Maier & Coggeshall 1941
97. Apicomplexa	Plasmodium cathemerium	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.051	3.2	89	20	Intact blood, ¾ growth	184	Maier & Coggeshall 1941
98. Apicomplexa	Plasmodium gallinaceum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.016	1.3	71	20	Erythrocytes extracted from blood	96	Evans 1946
99. Apicomplexa	Plasmodium gallinaceum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.014	1.1	71	20	Erythrocytes extracted from blood, 3 days after infection	264	Speck et al. 1946
100. Apicomplexa	Plasmodium gallinaceum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.010	0.8	71	20	Erythrocytes extracted from blood, 58% infected erythrocytes	186	Marshall 1948a

101.	Apicomplexa	Plasmodium gallinaceum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.031	2.4	71	20	Erythrocytes extracted from blood, 96% infected erythrocytes	187	Marshall 1948b
102.	Apicomplexa	Plasmodium knowlesi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.303	28.8	59	20	Erythrocytes extracted from blood, 7-12% infected erythrocytes	101	Fulton 1939
103.	Apicomplexa	Plasmodium knowlesi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.009	0.9	59	20		184	Maier & Coggeshall 1941
104.	Apicomplexa	Plasmodium knowlesi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.010	1.5	37	20	Erythrocytes extracted from blood, 35% infected erythrocytes	199	McKee et al. 1946
105.	Kinetoplastida	Pleuromonas jaculans	nl O_2 (cell)$^{-1}$ hr^{-1}	0.00005 25	12	25	20	starved	OTHER	Fenchel & Finlay 1983
106.	Ciliophora?	Podophrya fixa	nl O_2 (cell)$^{-1}$ hr^{-1}	0.0077	0.52	14900	20	starved 96 hr	OTHER	Fenchel & Finlay 1983
107.	Trypanosomatidae	Schizotrypanum verpertilionis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.040	2.1	108	20	Log	312	Zeledon 1960a
108.	Ciliophora?	Spirostoma minus	nl O_2 (cell)$^{-1}$ hr^{-1}	0.31	3.4	[500000]	20	starved	OTHER	Fenchel & Finlay 1983
109.	Ciliophora	Spirostomum ambiguum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	12700	5.9	12000000	20		17	Khlebovitch 1972
110.	Ciliophora	Spirostomum intermedium	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	500	2.1	1342000	20	6 days	226	Pigon 1955
111.	Ciliophora	Spirostomum intermedium	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	50	1.2	229000	20	113 days	226	Pigon 1955
112.	Ciliophora	Spirostomum teres	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	40	0.5	423000	20		158	Laybourn & Finlay 1976
113.	Ciliophora	Stentor coeruleus	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	1588	13.1	[680000]	20	3-5 days starvation	303	Whiteley 1960
114.	Ciliophora	Stentor coeruleus	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	350	1.8	1100000	20	Before division	156	Laybourn 1975
115.	Ciliophora	Stentor coeruleus	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	225	1.9	680000	20	3 days after division	156	Laybourn 1975
116.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	77	12.3	35000	20	Log	213	Ormsbee 1942
117.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	74	7.8	53000	20	Stationary	213	Ormsbee 1942
118.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	193	45.0	24000	20	3 days	221	Pace & Lyman 1947
119.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	128	29.9	24000	20	6-7 days	221	Pace & Lyman 1947
120.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	26.6	6.8	[22000]	20	Log	253	Seaman 1949
121.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	23	5.9	[22000]	20	3.5 days	254,255	Seaman 1950; Seaman & Noulihan 1950
122.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	59	15.0	[22000]	20	48 hr	89	Eichel 1953
123.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	62	15.8	[22000]	20	6-10 days	214	Ottova 1955
124.	Ciliophora	Tetrahymena geleii (pyriformis)	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	24	6.1	[22000]	20	20 days	214	Ottova 1955
125.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	95	24.2	[22000]	20	6 days	182	Lwoff 1934
126.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	82	20.9	[22000]	20	6 days	243	Ryley 1952
127.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	39	9.9	[22000]	20	4 days	241	Roth et al. 1954

128.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	31	7.9	[22000]	20	17 hr starvation	241	Roth et al. 1954
129.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	52.8	13.4	[22000]	20	3 days	240	Roth & Eichel 1955
130.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	42	13.8	17000	20	Log	120	Hamburger & Zeuthen 1957
131.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	53	6.1	49000	20	Synchronized	120	Hamburger & Zeuthen 1957
132.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	67	11.4	33000	20	3-7 days	276	Van de Vijver 1966
133.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	29	7.4	22000	20		62	Conner & Cline 1967
134.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	63.9	16.3	22000	20	5-10 days, saturated	29	Biczók 1969
135.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	53.2	13.5	22000	20	24 hr starvation	29	Biczók 1969
136.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	25.2	6.4	22000	20	1-2 hr starvation	121	Hamburger & Zeuthen 1971
137.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	48	12.2	22000	20	5-6 days	47	Burmeister 1972
138.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	185	94.2	11000	20		17,18	Khlebovitch 1972; 1974
139.	Ciliophora	Tetrahymena pyriformis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	40	10.2	22000	20	5-6 days	48	Burmeister 1976
140.	Ciliophora	Tracheloraphis sp.	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	969	16.0	340000	20	24 hr after collection	278	Vernberg & Coull 1974
141.	Trichomonada	Trichomonas (Tritrichomonas) foetus	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.67	3.6	670	20	48 hr	246	Ryley 1955b
142.	Trichomonada	Trichomonas (Tritrichomonas) foetus	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.282	2.7	[580]	20	48 hr	83	Doran 1957
143.	Trichomonada	Trichomonas (Tritrichomonas) foetus	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.47	4.5	[580]	20	24 hr	51	Čerkasovová 1970
144.	Trichomonada	Trichomonas batrachorum	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.192	1.9	[560]	20	48 hr	84	Doran 1958
145.	Trichomonada	Trichomonas nasai	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.305	8.1	[210]	20	48 hr	83	Doran 1957
146.	Trichomonada	Trichomonas vaginalis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.204	1.7	[690]	20	24-48 hr	233	Read & Rothman 1955
147.	Trichomonada	Trichomonas vaginalis	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.16	1.0	870	20	48 hr	309	Wirtschafter et al. 1956
148.	Amoebae	Trichosphaerium sieboldi	% cell carbon hr^{-1}	0.27	4	100	20	starved 24 hr	OTHER	Crawford et al. 1994
149.	Trypanosomatidae	Trypanosoma (Schizotrypanum) cruzi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.028	1.5	[107]	20	14 days, cultured	209	Nakamura & Anderson 1951
150.	Trypanosomatidae	Trypanosoma (Schizotrypanum) cruzi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.058	4.0	82	20	cultured	282	von Brand & Agosin 1952
151.	Trypanosomatidae	Trypanosoma (Schizotrypanum) cruzi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.063	3.3	[107]	20	14 days,cultured	247	Ryley 1956
152.	Trypanosomatidae	Trypanosoma (Schizotrypanum) cruzi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.036	1.2	169	20	Blood form	247	Ryley 1956
153.	Trypanosomatidae	Trypanosoma (Schizotrypanum) cruzi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.040	2.1	[107]	20	cultured	312	Zeledon 1960a
154.	Trypanosomatidae	Trypanosoma (Schizotrypanum) cruzi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.041	2.1	[107]	20	cultured	313	Zeledon 1960b
155.	Trypanosomatidae	Trypanosoma (Schizotrypanum) cruzi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.044	2.3	[107]	20	Log, cultured	315	Zeledon 1960d
156.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.009	0.9	58	20	10-12 days	242,244	Ryley 1951; 1953
157.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.011	1.1	58	20	8-10 days	247	Ryley 1956
158.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.074	7.1	58	20	7-9 days	272	Thurston 1958
159.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.127	15.5	46	20	4 days	249	Sanchez & Dusanic 1968
160.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.216	20.9	58	20	8 days	249	Sanchez & Dusanic 1968
161.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.141	13.6	58	20	12 days	249	Sanchez & Dusanic 1968
162.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.289	28	58	20	mean	174	Lincicome & Warsi 1965
163.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.082	7.9	58	20	8 days	175	Lincicome & Warsi 1966

164.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.211	20.4	58	20	14 days	175	Lincicome & Warsi 1966
165.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.207	20.0	58	20	16 days	175	Lincicome & Warsi 1966
166.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.141	13.6	58	20	mean	175	Lincicome & Warsi 1966
167.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.063	6.1	58	20	8 days	171	Lincicome & Lee 1971
168.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.174	16.8	58	20	12 days	171	Lincicome & Lee 1971
169.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.063	6.1	58	20	18 days	171	Lincicome & Lee 1971
170.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.115	11.1	58	20	8 days	176	Lincicome & Warsi 1968
171.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.223	21.5	58	20	14 days	176	Lincicome & Warsi 1968
172.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.181	17.5	58	20	18 days	176	Lincicome & Warsi 1968
173.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.061	5.9	58	20	8 days	172	Lincicome & Smith 1964
174.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.110	10.6	58	20	10 days	172	Lincicome & Smith 1964
175.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.117	11.3	58	20	12 days	172	Lincicome & Smith 1964
176.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.014	1.7	46	20	6 days	170	Lincicome & Hill 1965
177.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.054	5.2	58	20	14 days	170	Lincicome & Hill 1965
178.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.059	5.7	58	20	17 days	170	Lincicome & Hill 1965
179.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.211	20	58	20	mean	174	Lincicome & Warsi 1965
180.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.055	5.3	58	20	6-8 days	173	Lincicome & Smith 1966
181.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.143	13.8	58	20	14 days	173	Lincicome & Smith 1966
182.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.054	5.2	58	20	17 days	173	Lincicome & Smith 1966
183.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.022	2.1	58	20	8 days	175	Lincicome & Warsi 1966
184.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.101	9.8	58	20	14 days	175	Lincicome & Warsi 1966
185.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.099	9.6	58	20	16 days	175	Lincicome & Warsi 1966
186.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.303	29	58	20	mean	175	Lincicome & Warsi 1966
187.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.150	14.5	58	20	8 days	176	Lincicome & Warsi 1968
188.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.319	30.8	58	20	14 days	176	Lincicome & Warsi 1968
189.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.232	22.4	58	20	18 days	176	Lincicome & Warsi 1968
190.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.134	12.9	58	20	6 days	171	Lincicome & Lee 1971
191.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.364	35.1	58	20	13 days	171	Lincicome & Lee 1971
192.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.282	27.2	58	20	18 days	171	Lincicome & Lee 1971
193.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.621	60.0	58	20	7 days	159	Lee & Barlow 1972
194.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.890	85.9	58	20	9 days	159	Lee & Barlow 1972
195.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.263	25.4	58	20	14 days	159	Lee & Barlow 1972
196.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.054	6.6	46	20	6 days	173	Lincicome & Smith 1966
197.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.136	13.1	58	20	12-14 days	173	Lincicome & Smith 1966
198.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.068	6.6	58	20	17 days	173	Lincicome & Smith 1966
199.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.082	7.9	58	20	8 days	176	Lincicome & Warsi 1968
200.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.183	17.7	58	20	13 days	176	Lincicome & Warsi 1968
201.	Trypanosomatidae	Trypanosoma lewisi	ml O_2 (10^9 cells)$^{-1}$ hr^{-1}	0.122	11.8	58	20	18 days	176	Lincicome & Warsi 1968
202.	Ciliophora	Urostyla grandis	nl O_2 (cell)$^{-1}$ hr^{-1}	1.7	57	[166000]	20	starved	OTHER	Fenchel & Finlay 1983

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Table **S2b**. Species' minimum endogenous respiration rates used in the analyses presented in Table 1 and Figures 1-3 in the paper

Note that when converting dry mass to wet mass both Vladimirova & Zotin (1983, 1985) and Fenchel & Finlay (1983) used a DM/WM ratio of 0.14. To convert the data to the reference DM/WM = 0.3 (crude mean for all taxa applied in the analysis (see SI Methods, Table S12a)), qWkg values from these sources were multipled by a factor of 2. (The mean protozoan metabolic rate of 7.5 W kg^{-1} reported in Table 1 represent therefore a conservative estimate in that sense that per unit wet mass these small-sized species have an even lower metabolic rate than the mean of 7.5 W kg^{-1}.) After this, temperature conversion was performed from 20 to 25 °C using Q_{10} = 2, **q25Wkg** = **qWkg** $\times$ $2^{(25 - TC)/10}$, dimension W (kg WM)$^{-1}$. Note on temperature conversion: For unicells the interspecific comparisons by Robinson et al. (1983) [Robinson W.R., Peters R.H., Zimmermann J. (1983) The effects of body size and temperature on metabolic rate of organisms. Canadian Journal of Zoology 61, 281-288] yielded a Q_{10} of 1.6, although the temperature dependence was statistically insignificant. Vladimirova & Zotin (1985), based on the intraspecifically established formula q/q_{20} = 0.166exp(0.087 T), where q_{20} is metabolic rate at 20 °C and T is temperature in °C. It corresponds to Q_{10} = 2.4. Fenchel & Finlay (1983) used Q_{10} = 2 in the analysis of their extensive compilation of protozoan metabolic rates. Thus, we chose Q_{10} = 2 as a representative value for unicells.

The values of q25Wkg (a total of 52 values for 52 species) were used in our analysis. Log stands for the decimal logarithms of the corresponding variables. See Table **S2a** for other notations.

Species	qWkg	LogqWkg	TC	q25Wkg	Logq25Wkg	Mpg	LogMpg
1. Acanthamoeba (Hartmanella) castellani	3.8	0.580	20	10.740	1.031	6700	3.826
2. Acanthamoeba sp.	5.3	0.724	20	14.990	1.176	4320	3.635
3. Actinosphaerium eichhornii	0.4	-0.398	20	1.132	0.054	14561000	7.163
4. Amoeba proteus	1	0.000	20	2.828	0.451	900000	5.954
5. Astasia klebsii	1.8	0.255	20	5.092	0.707	3800	3.580
6. Astasia longa	2.9	0.462	20	8.202	0.914	13500	4.130
7. Bresslaua insidiatrix	21.7	1.336	20	61.376	1.788	17000	4.230
8. Chilomonas paramecium	16	1.204	20	45.254	1.656	2260	3.354
9. Coleps hirtus	4.2	0.623	20	11.880	1.075	91000	4.959
10. Colpidium campylum	10.8	1.033	20	30.548	1.485	54400	4.736
11. Crithida (Strigomonas) fasciculata	7.3	0.863	20	20.648	1.315	2078	3.318
12. Crithidia (Strigomonas) oncopelti	10	1.000	30	7.071	0.849	30	1.477

13. Dictyostelium discodeum	4.9	0.690	20	13.860	1.142	840	2.924
14. Eimeria acervulina	2.0	0.301	20	5.656	0.753	2640	3.422
15. Eimeria stiedae	2.5	0.398	20	7.072	0.850	7980	3.902
16. Eimeria tenella	2.3	0.362	20	6.506	0.813	5440	3.736
17. Endotrypanum schaudinni	0.84	-0.076	20	2.376	0.376	114	2.057
18. Entamoeba hystolitica	0.4	-0.398	20	1.132	0.054	8600	3.934
19. Frontonia leucas	0.4	-0.398	20	1.132	0.054	745000	5.872
20. Leishmania brasiliensis	20	1.301	20	56.568	1.753	9	0.954
21. Leishmania donovani	9.3	0.968	20	26.304	1.420	18	1.255
22. Leishmania enrietti	7.0	0.845	20	19.798	1.297	12	1.079
23. Mayorella palestinensis	3.7	0.568	20	10.466	1.020	8300	3.919
24. Noctiluca miliaris	1.4	0.146	20	3.960	0.598	223986000	8.350
25. Paramecium aurelia	2.9	0.462	20	8.202	0.914	160000	5.204
26. Paramecium calkinsi	3.4	0.531	20	9.616	0.983	157000	5.196
27. Paramecium caudatum	0.2	-0.699	20	0.566	-0.247	526000	5.721
28. Paramecium multimicronucleatum	5.3	0.724	20	14.990	1.176	685000	5.836
29. Pelomyxa carolinensis	0.5	-0.301	20	1.414	0.150	49708000	7.696
30. Pelomyxa palustris	0.7	-0.155	20	1.980	0.297	90000000	7.954
31. Plasmodium cathemerium	1.8	0.255	20	5.092	0.707	54	1.732
32. Plasmodium gallinaceum	0.8	-0.097	20	2.262	0.354	71	1.851
33. Plasmodium knowlesi	0.9	-0.046	20	2.546	0.406	59	1.771
34. Pleuromonas jaculans	12	1.079	20	33.942	1.531	25	1.398
35. Podophrya fixa	2.9	0.458	20	8.202	0.914	14900	4.173
36. Schizotrypanum verpertilionis	2.1	0.322	20	5.940	0.774	108	2.033
37. Spirostoma minus	3.4	0.531	20	9.616	0.983	500000	5.699
38. Spirostomum ambiguum	5.9	0.771	20	16.688	1.222	12000000	7.079
39. Spirostomum intermedium	1.2	0.079	20	3.394	0.531	229000	5.360
40. Spirostomum teres	0.5	-0.301	20	1.414	0.150	423000	5.626
41. Stentor coeruleus	1.8	0.255	20	5.092	0.707	1100000	6.041
42. Tetrahymena geleii (pyriformis)	5.9	0.771	20	16.688	1.222	22000	4.342
43. Tetrahymena pyriformis	6.1	0.785	20	17.254	1.237	49000	4.690
44. Tracheloraphis sp.	16.0	1.204	20	45.254	1.656	340000	5.531
45. Trichomonas (Tritrichomonas) foetus	2.7	0.431	20	7.636	0.883	580	2.763
46. Trichomonas batrachorum	1.9	0.279	20	5.374	0.730	560	2.748
47. Trichomonas nasai	8.1	0.908	20	22.910	1.360	210	2.322
48. Trichomonas vaginalis	1.0	0.000	20	2.828	0.451	870	2.940
49. Trypanosoma (Schizotrypanum) cruzi	1.2	0.079	20	3.394	0.531	169	2.228
50. Trypanosoma lewisi	0.9	-0.046	20	2.546	0.406	58	1.763
51. Urostyla grandis	57	1.756	20	161.220	2.207	166000	5.220
52. Trichosphaerium sieboldi	4	0.602	20	5.7	0.756	100	2.000