

Table 1: Variation of the macromolecular composition, P, and N contents of the unicellular organisms in the studies

Organism	Ref.	Number of growth conditions, and temperature (°C)	SGR	mRNA (fg) ^c	m _{Pr} (fg)	R _{RNA:Pr}	P (fg)	N (fg)	R _{P:N}
<i>Escherichia coli</i>	[11]	5 (37)	0.42–1.73	20–212	100–450	0.2–0.47	1.6–16.9	20.2–109.1	0.08–0.15
<i>Streptomyces coelicolor</i>	[11]	7 (30)	0.024–0.3	30.9–85.7	144–170	0.21–0.5	2.5–6.9	29.4–42.1	0.08–0.16
<i>Mycobacterium bovis</i>	[11]	1 (37)	0.029	13.2	153	0.09	1.1	28.3	0.04
<i>Selenomonas ruminantium</i>	[12]	3 (39)	0.05–0.35	53.9–87.2 ^b	300–423 ²	0.18–0.21	4.3–7.0 ^b	51.6–72.8 ^b	0.072–0.081
<i>Saccharomyces cerevisiae</i> (1) Strain FL521 ^d	[13]	6 (30)	0.04–0.59	600–1400	1900–3040	0.2–0.47	48–112	417–730	0.12–0.15
<i>Saccharomyces cerevisiae</i> (2) Strain A364A	[14]	8 (30)	0.085–0.43	490–510	2100–3500	0.15–0.23	39–41	435–680	0.06–0.09
<i>Neurospora crassa</i>	[15]	8 (30)	0.09–0.63	15–62.8 ^a	132–145 ^a	0.11–0.43	5–1.2 ^a	25–34.4 ^a	0.05–0.15
<i>Prototheca zopfii</i>	[16]	12 (25)	0.086–0.223	2200–15610	10000–55000	0.22–0.28	176–1249	2050–11802	0.09–0.13
All organisms			0.029–1.73	13.2–15610	100–55000	0.1–0.5	1.1–1249	20.2–11802	0.04–0.16
Change by a factor of:			60	1183	550	5	1135	584	4

^aExpressed as w/w.

^bExpressed as mg per ml.

^c1 fg = 10⁻¹⁵g.

^dFL521 strain of *S.cerevisiae* carries a mutation and cannot synthesis pyrimidine endogenously, therefore the nucleotides were provided in the growth media.

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