

**Table 1.** Numbers of various organelles and cell components in individual *S. cerevisiae* cells

Organelles/components	G1 phase				Early G1 phase				Difference between A and B: <i>P</i> -value by <i>t</i> -test
	Cell 1	Cell 2	Cell 3	Mean $\pm$ SD (A)	Cell 4	Cell 5	Cell 6	Mean $\pm$ SD (B)	
Nucleus	1	1	1	1.0 $\pm$ 0.0	1	1	1	1.0 $\pm$ 0.0	–
Nucleolus	1	1	1	1.0 $\pm$ 0.0	1	1	1	1.0 $\pm$ 0.0	–
Spindle pole body	1	1	1	1.0 $\pm$ 0.0	1	1	1	1.0 $\pm$ 0.0	–
Mitochondria	1	3	3	2.3 $\pm$ 1.2	2	4	1	2.3 $\pm$ 1.5	>0.05
ERs/Golgi apparatus	28	24	13	21.7 $\pm$ 7.8	16	14	24	18.0 $\pm$ 5.3	>0.05
Vacuoles	1	1	4	2.0 $\pm$ 1.7	2	1	2	1.7 $\pm$ 0.6	>0.05
Autophagosomes	0	0	1	0.3 $\pm$ 0.6	2	1	2	1.7 $\pm$ 0.6	<0.05 ( <i>t</i> = 2.83)
Multivesicular bodies	0	5	0	1.7 $\pm$ 2.9	0	0	0	0.0 $\pm$ 0.0	>0.05
Ribosomes	195 000	272 000	183 000	217 000 $\pm$ 48 000	170 000	115 000	239 000	175 000 $\pm$ 62 000	>0.05
Ribosomes/ $\mu\text{m}^3$	19 100	20 200	19 400	19 600 $\pm$ 600	17 700	20 000	20 600	19 400 $\pm$ 1500	>0.05
Small vesicles	17	6	6	9.7 $\pm$ 6.4	11	3	2	5.3 $\pm$ 4.9	>0.05
Filasomes	22	40	26	29.3 $\pm$ 9.5	22	22	18	20.7 $\pm$ 2.3	>0.05
Virus-like particles	39	109	100	82.7 $\pm$ 38.1	46	53	75	58.0 $\pm$ 15.1	>0.05
Peroxisomes	0	0	0	0.0 $\pm$ 0.0	0	0	0	0.0 $\pm$ 0.0	–
Invaginations	20	45	30	31.7 $\pm$ 12.6	6	37	25	22.7 $\pm$ 15.6	>0.05