

Table 1

Quantitative analysis of several specimen organelles, based on the segmented linear absorption coefficient (LAC, cf. Fig. 6), showing the absolute and relative volume as well as the average LAC. To exclude the borders of the segmented regions from the LAC average, the regions were eroded with a 3 pixel radius before averaging. The standard deviation of the average LAC is given in brackets. The relatively high values indicate the structural inhomogeneity of the organelles (cf. Fig. 5)

	Vol. (μm^3)	Vol. (%)	LAC (μm^{-1})
Chloroplast	129.13	47.54	0.385(91)
Pyrenoid	3.42	1.26	0.441(66)
Spherical vesicles	4.00	1.47	0.711(86)
Flagellar roots	0.14	0.05	0.206(39)
Other	134.91	49.67	0.187(80)
Total	271.60	100.00	0.306(137)