

Table 1. Quantitative Analysis of Cellular Components.

Cellular component	Volume (μm^3)	Volume Percentage	Surface Area (μm^2)
Endoplasmic reticulum	0.420643	2.2%	31.403
Nuclear envelope	0.227859	1.2%	11.416
Heterochromatin	0.577432	3.0%	24.441
Euchromatin	0.459362	2.4%	20.716
Golgi	0.022677	0.1%	1.291
Mitochondria	0.299339	1.6%	6.949
Lipid droplets	0.139214	0.7%	2.692
Vesicles	0.000256	0.0%	0.025
Vacuoles	1.480174	7.8%	27.164
Cell Wall	3.017192	15.9%	67.115
Quantitative analysis of volume, volume percentage and surface area of cellular components segmented in Avizo software.			