

Table 1: Properties of mitochondria and their genomes.

Property	Value
Mitochondria	
1. total length/cell (μm)	600 ± 124^a
mt DNA foci	
2. lineal density in mitochondria (foci/ μm)	$0.78^b, 0.82^c$
3. foci/cell	$468 \pm 97^d, 492 \pm 102^e$
4. diameter (range; nm)	$70^f, 65 (31-132)^g$
mtDNA	
5. molecules/cell	$3,500^h$
6. molecules/focus	$7.5^i, 7.1^j, 9.2^k, 5.8^l, 10^m$

^ausing stacks of images of 50 cells (one image from a stack is shown in Figure 1A). ^busing anti-DNA as in Figure 1A,1B; 43 cells analyzed. ^cusing anti-BrdU as in Figure 1C,1D; 38 cells analyzed. ^dfrom rows 1 and 2 (anti-DNA). ^efrom rows 1 and 2 (anti-BrdU). ^ffrom 120 clusters of gold particles like that in Figure 2A, after correcting for sectioning effects). ^gfrom 97 clusters of gold particles like that in Figure 2B. ^hfrom gel electrophoresis; value similar to that found by Jacobs *et al.* [14]. ⁱfrom rows 3 (anti-DNA) and 5. ^jfrom rows 3 (anti-BrdU) and 5. ^kfrom mean intensity in Figure 1F, assuming the faintest focus contains 1 molecule. ^lfrom row 4 (unextracted cells), assuming DNA of 16.5 kbp is packed at 35 mg/ml (that is, the density of the bacterial nucleoid) [26] into a sphere (diameter 68 nm). ^mfrom replication pattern (Figure 6).