

Supplementary Table 1. Dimensions of cells grown overnight in nutrient-rich or -poor media, as analyzed by cryoEM. The small number of PE577 cells in M9 is due to both the low cell density of these cultures and the hyper-elongation of some cells that exceeded the field of view.

	CFS100 in LB	PE577 in LB	CFS100 in M9	PE577 in M9
Length (μm)	2.11 ± 0.26	3.39 ± 0.35	2.40 ± 0.87	4.31 ± 0.66
Width (μm)	1.02 ± 0.09	0.98 ± 0.07	0.87 ± 0.04	0.92 ± 0.07
Approx μm^2	2.14 ± 0.27	3.33 ± 0.51	2.08 ± 0.38	3.95 ± 0.95
No. cells	7	6	10	3

Supplementary Table 2. A list of all pseudogenes in the PE577 genome.

Supplementary Table 3. A list of all pseudogenes in the 2457T (CFS100) genome.

Supplementary Figure 1. Representative cryo-electron micrographs of cells grown overnight in nutrient-rich vs. -poor media.



