

Costs relative to the cell budget (%)

<1

1

10

100

Total cell budget

Essential genes

Spore life cycle

Membrane lipids

Homeostasis

Basal maintenance

Heat shock proteins

Competence

Genome replication

Flagella

Biofilm

Chemotaxis

Swarming

10^8

10^9

10^{10}

10^{11}

ATP molecules

