A

Surviving fraction

Time (min)

Manual
Auto

28°C
30°C
34°C

Type I (Swollen)
Type II (Hyper-elongated)
Type III (Shrunken)

B

Surviving fraction

Time (min)

Bright field Fluorescence

D

Fraction

Type I (Swollen)
Type II (Hyper-elongated)
Type III (Shrunken)

E

Estimated death rate

Fluorescence
Bright field

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Auto</th>
<th>Manual</th>
<th>Manual</th>
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Unit in $10^{-5}$ min$^{-1}$

D

Bright field

Fluorescence

Type I (Swollen)
Type II (Hyper-elongated)
Type III (Shrunken)

G

Common ancestor

Death trigger?

Sharp increase in aggregates amount

Synchronous deaths (Type I)

Unit in min

Fig. S4