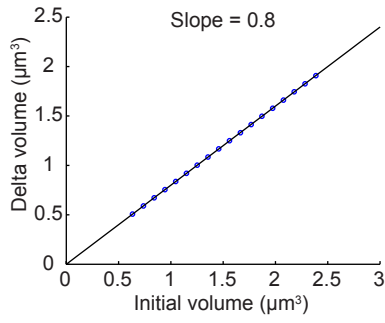
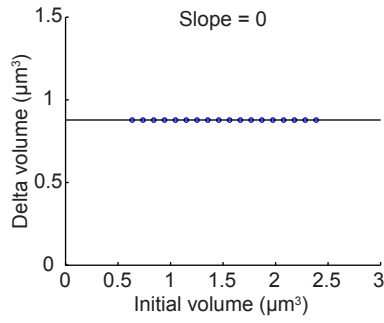


Figure S6.

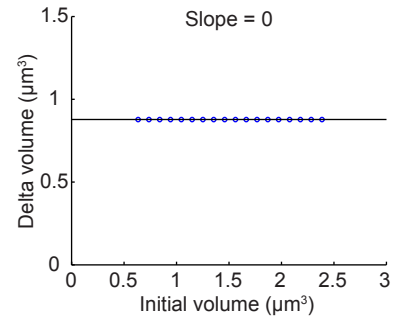
A Concentration trigger



B Amount trigger

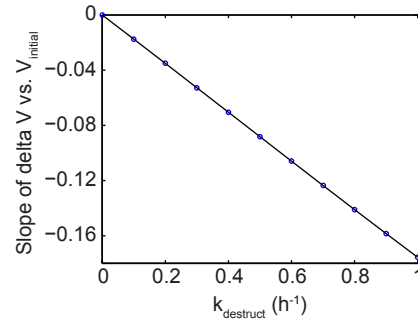
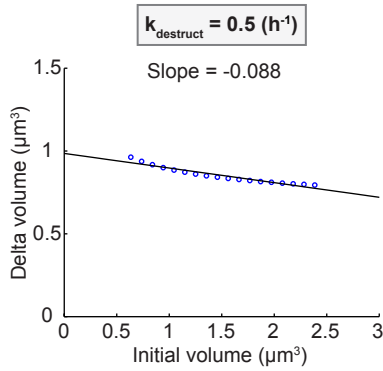


C Initialize material = $1 \mu\text{m}^2$



D

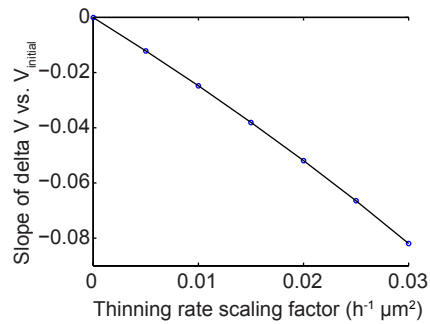
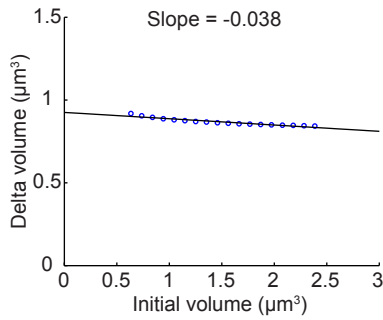
Surface destruction rate = Accumulated surface concentration \times k_{destruct}
 $(\mu\text{m}^2/\mu\text{m}^3)/\text{h}$ $\mu\text{m}^2/\mu\text{m}^3$ (h^{-1})



E

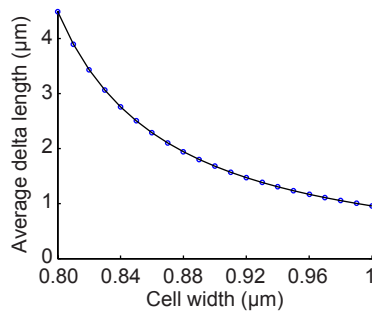
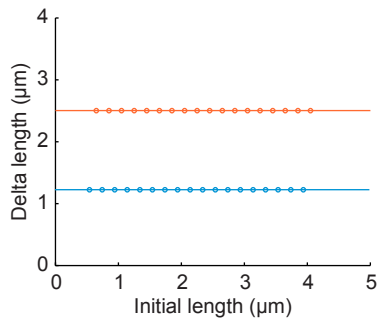
Radius thinning rate = Accumulated surface concentration \times Thinning rate scaling factor
 $(\mu\text{m h}^{-1})$ $\mu\text{m}^2/\mu\text{m}^3$ $(\text{h}^{-1} \mu\text{m}^2)$

Thinning rate scaling factor = $0.015 (\text{h}^{-1} \mu\text{m}^{-1})$



F

Cell width = $0.85 \mu\text{m}$
 Cell width = $0.95 \mu\text{m}$



E. coli mreB^{A53} mutants
 Reproduced from Monds et al. 2014

