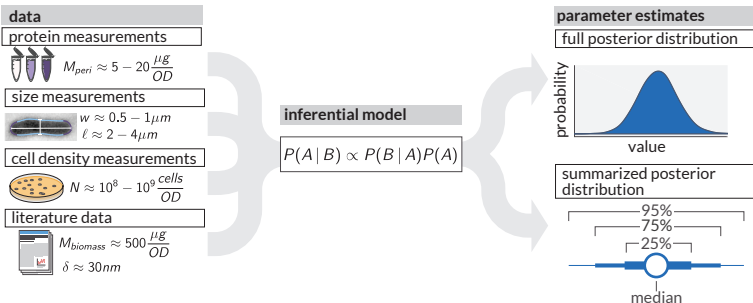
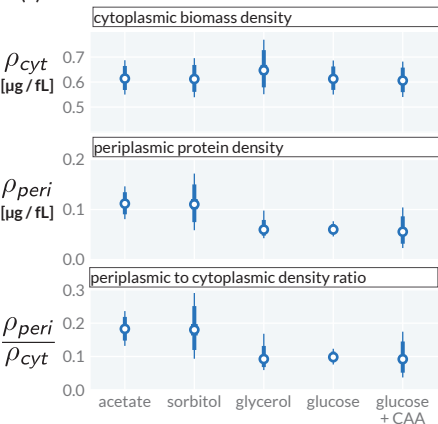


(A)



(B)



(C)

average cell aspect ratio

periplasmic to cytoplasmic density ratio

$$w(\lambda) \sim \frac{\alpha \delta}{3\alpha - 1} \frac{\rho_{\text{peri}}}{\rho_{\text{cyt}}} \frac{1}{\phi_M(\lambda)}$$

steady-state growth rate

constant

periplasmic biomass fraction

(D)

