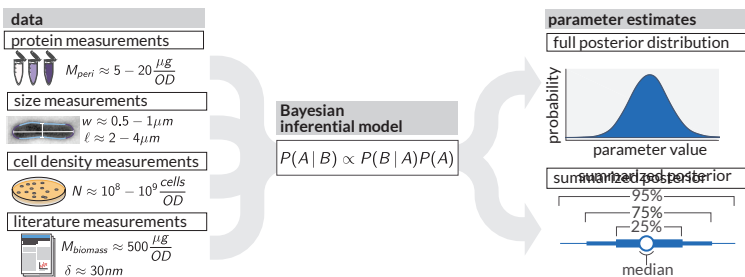
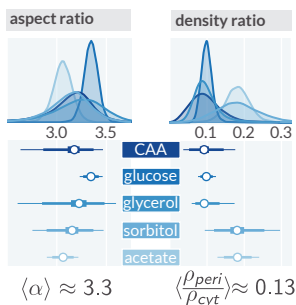


(A)

(B)



(B)



(C)

average cell aspect ratio

periplasmic to cytoplasmic density ratio

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

steady-state growth rate

constant

periplasmic biomass fraction

(D)

