

(A)



E. coli

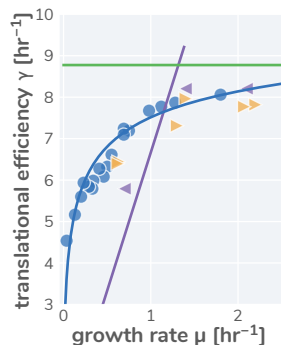
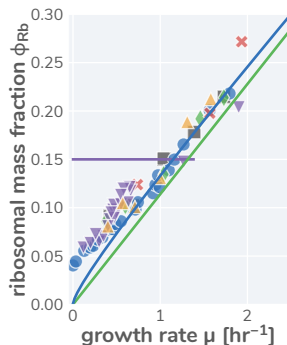
$$v_{\text{tf}}^{\text{max}} \approx 20 \text{ AA / s}$$

$$m_{\text{Rb}} = 7459 \text{ AA}$$

$$K_D \approx 0.01 \approx 20 \text{ mM}$$

- Bremmer & Dennis, 2008
- Dai et al., 2016
- ◆ Forchhammer & Lindahl, 1971
- ✕ Li et al., 2014
- ▼ Schmidt et al., 2016
- ▲ Scott et al., 2010
- ▲ Dalbow & Young, 1975
- ▼ Young & Bremer, 1976

- (III) optimal ϕ_{Rb}
- (II) constant γ
- (I) constant ϕ_{Rb}



(B)



S. cerevisiae

$$v_{\text{tf}}^{\text{max}} \approx 10 \text{ AA / s}$$

$$m_{\text{Rb}} = 11984 \text{ AA}$$

$$K_D \approx 0.1 \approx 200 \text{ mM}$$

- Metzl-Raz et al., 2017
- Paulo et al., 2015
- ◆ Paulo et al., 2016
- ✕ Waldron & Lacroute, 1975
- ▼ Xia et al., 2021
- ⊗ Boehlke and Friesen 1975
- ⊗ Bonven and Gulløv 1979

- (III) optimal ϕ_{Rb}
- (II) constant γ
- (I) constant ϕ_{Rb}

