compartment protein load Caglar et al. 2017 Schmidt et al. 2016 (C) 1000 (A) 750 ♣ Mori et al. 2021 ★ Peebo et al. 2015 protein mass in $= \phi_X M_{prot}$ Valgepea et al. 2013 O This Study compartment X 500 protein per cell (B) ♦ This Study © Li et al. 2014 Arike et al. 2012 A Basan et al. 2015 40 M_{peri} [fg/cell] Bremer & Dennis 2008 ► Churchward et al. 1982 ■ Dennis & Bremer 1987 ♦ Valgenea et al. 2013 20 1000 protein per cell [fg/ median 750 500 M_{mem} [fg/cell] 100 50 000 growth rate [hr-1] growth rate [hr-1] compartment protein density Caglar et al. 2017 Schmidt et al. 2016 (F) (D) compartment proteome fraction Li et al. 2014 ■ Soufi et al. 2015 ♣ Mori et al. 2021 ★ Peebo et al. 2015 600 protein mass [JJ 40 200 Valgepga et al. 2013 O This Study density in ocompartment size compartment X volume, surface area protein per cell (E) ∇ Pierucci 1978 △ Si et al. 2017 ρ_{peri} [fg/fL] 001 ▶ Zaritsky et al. 1993 △ Basan et al. 2015 O This Study # Grossman et al. 1982 Trueba & Woldringh 1980 ■ Zaritsky & Woldringh 1978 V_{cell} total volume [fL] median $\sigma_{mem}[fg/\mu m^2]$ growth rate [hr-1] growth rate [hr-1] growth rate [hr-1]