



**Fig. 2.** The balance between degradation and dilution under normal growth varies widely between proteins. (A) Schematic dynamics for proteins with rapid, medium, and no removal rates. (B) Bleach-chase of two proteins in normal growth and in response to a drug. Distribution of 100 protein removal

rates (C) and half-lives (D) under normal growth.  $\alpha$  ranges between 0.03 and 0.82 with an average of  $0.1 \pm 0.09$  (1/hour). (E) The balance between degradation and dilution of 100 proteins. (F) Proteins with similar functions or localizations tend to share similar half-lives.