



Fig. 8. Smoothed histograms (logarithmically spaced bins) of the time distributions for protein folding, translation, and diffusion compared to the range of reaction rates reported by ref. 72. Folding time distribution was calculated using domain length distribution in the proteome of *E. coli* and Eq. 16. The vertical line indicates 20 min, roughly the replication speed limit for *E. coli*.

72. Radzicka A, Wolfenden R (1995) A proficient enzyme. *Science* 267:90–93. PMID 7809611