



Figure S1. Goodness-of-fit plots for lognormal distribution of yeast (A-D), and human (E-H), T_{G1} values, from Tables S1, and S2, respectively. **A, E.** Histogram of experimental T_{G1} values, with the theoretical lognormal density plot shown in red. **B, F.** Plot of the cumulative distribution function (CDF) of experimental T_{G1} values (shown as open symbols), along with the theoretical CDF of the lognormal distribution (shown in red). **C, G.** Quantile-Quantile (Q-Q) plot, comparing the experimental quantiles of T_{G1} values (shown as open symbols) against the theoretical quantiles of a lognormal distribution (shown as the diagonal line). Q-Q plots emphasize poor fit at the tails of the distribution. **D, H.** Probability-Probability (P-P) plot of the CDF of experimental T_{G1} values plotted against the theoretical CDF of the lognormal distribution (shown as the diagonal line). P-P plots emphasize poor fit at the center of the distribution.