



FIGURE S2. Goodness-of-fit plots for the indicated distributions. A, From the same dataset of wild type BY4743 cells shown in Fig. 2, the cumulative distribution function (CDF) of experimental cell size values (shown black), along with the theoretical CDFs of the Gamma, lognormal, and Weibull distributions (shown in red, green and blue, respectively). **B,** Quantile-Quantile (Q-Q) plots, comparing the experimental quantiles of cell size values against the theoretical quantiles of the Gamma, lognormal, and Weibull distributions. Q-Q plots emphasize poor fit at the tails of the distribution. **C,** Probability-Probability (P-P) plots of the CDF of experimental cell size values plotted against the theoretical CDFs of the Gamma, lognormal, and Weibull distributions. P-P plots emphasize poor fit at the center of the distribution.