



Figure S3. Additional chemostat experiments with *whi5Δ* (A, D) or *cln3Δ* (B-F) cells. (A-C) Scatter plots of T_{G1} values on the x-axis, against T_d values (y-axis). All plots used the natural logarithms of the values for *whi5Δ* (A) or *cln3Δ* (B, C) cells, sampled from chemostat cultures several times at each dilution rate, as indicated. For *whi5Δ* cells, in red is the regression line of the Siegel repeated medians. The slope of the linear model is shown (additional statistical parameters are in Table 1). For *cln3Δ* cells, the red line shown simply connects the average values at each dilution rate. There is no regression line because the relation between T_d and T_{G1} breaks down at longer generation times. Scatter plots of the relation of cell size and T_d in cells lacking Whip5 (D) or Cln3p (E, F), with cell size values (x-axis) plotted against T_d (y-axis) from the same cultures described in (A) and (B, C). All experiments shown were from glucose-limited, steady-state cultures, as described in Materials and Methods.