Figure S7: Correlations of the bud-volume at division and the growth rate in the budded phase (S-G$_2$-M). Fast growing (glucose) cultures were simulated with Model-1 (red) and Model-2 (blue) and the final 10,000 cells were analysed, respectively. Shown is the bud-volume at division as a function of the growth rate in the budded phase (S-G$_2$-M), calculated as the difference between volume at division and the volume at START divided by the duration of the budded phase (S-G$_2$-M). Lines (Model-1: red; Model-2: blue) indicate least-squares regressions with respective correlation coefficient (R) and coefficient of determination ($R^2$).