



Supplementary Figure 1. Regression analysis of the relationship between peak Ca^{2+} levels during each oscillation and the preceding or following peak in growth rate. Peak Ca^{2+} level and preceding and following growth rate were plotted for 8 separate root hairs over 4-5 min of observation each equating to between 12 and 18 growth and Ca^{2+} peaks. Regression analysis was performed using Excel. Note that when plotting amplitudes of growth peaks versus subsequent Ca^{2+} peaks, the slopes of all trend lines are positive, whereas slopes are more variable for Ca^{2+} peaks versus subsequent growth peaks. However, in all cases, the regression coefficients are low, suggesting that either a poor relationship exists between these factors, or that the relationship between them is not a simple linear one. Alternatively, variability in the data likely related to making such measurements in Ca^{2+} levels and especially growth rate at the limits of resolution of current technology may also be obscuring the relationship.