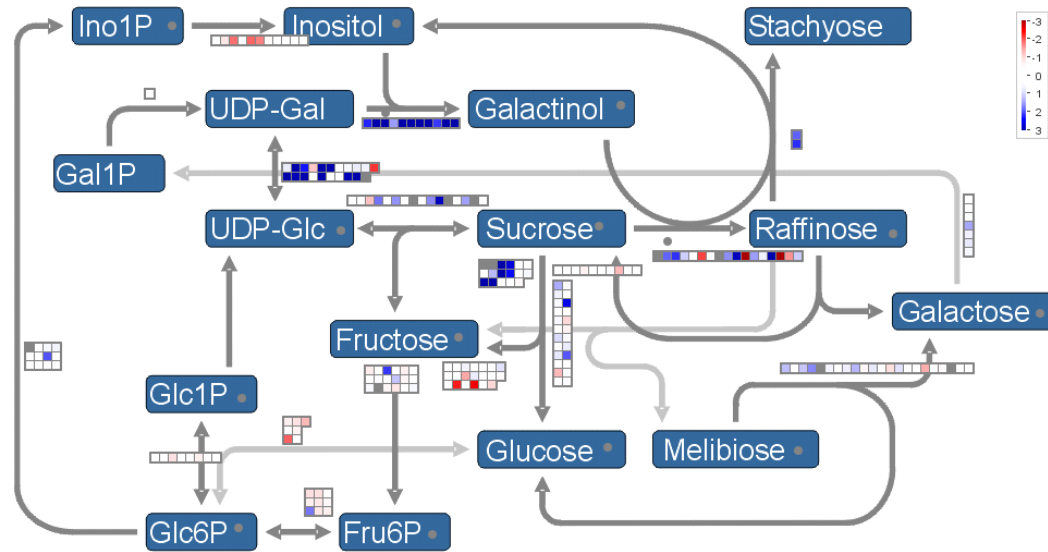
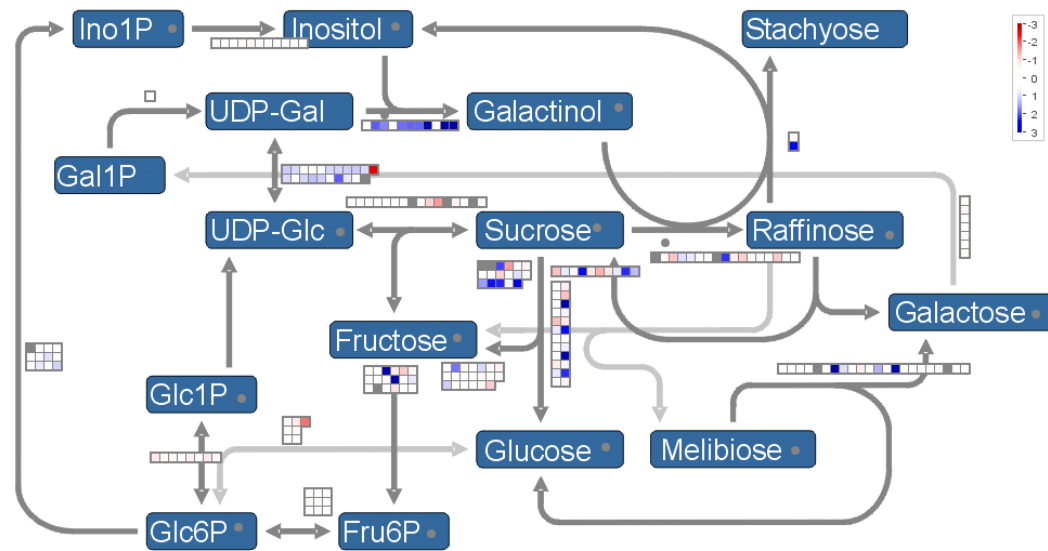


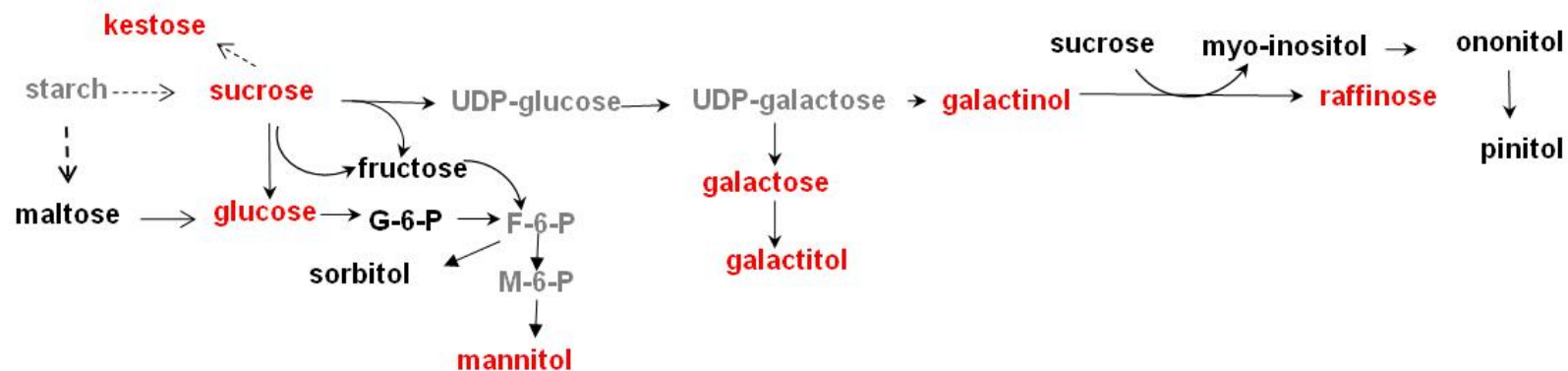
a.



b.



c.



d.

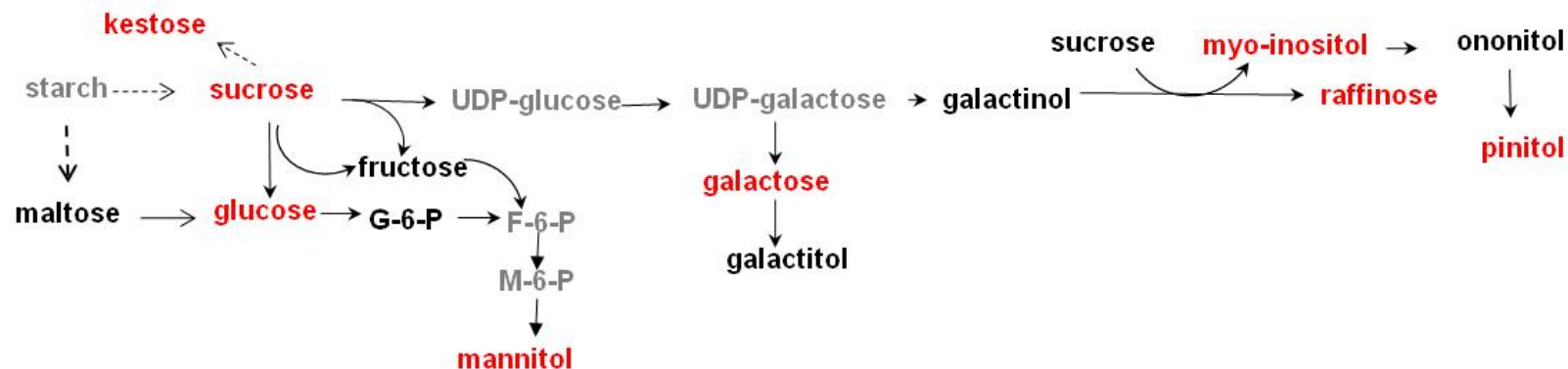


Figure S1. Up regulation of raffinose and galactinol synthase genes correlates with increases in galactinol and raffinose. MapMan visualization of differentially expressed genes in the galactinol and raffinose biosynthetic pathways in (a) leaves and (b) roots. The figure was constructed using log2-transformed ratios of induced versus control. The most intense colors represent 8-fold change. Blue denotes increase and red decrease. Overviews of metabolite accumulation in (c) leaves and (d) roots. Red indicates a statistically significance ($p \leq 0.05$) increase in sugar level as determined by Welch's two-sample t-test.