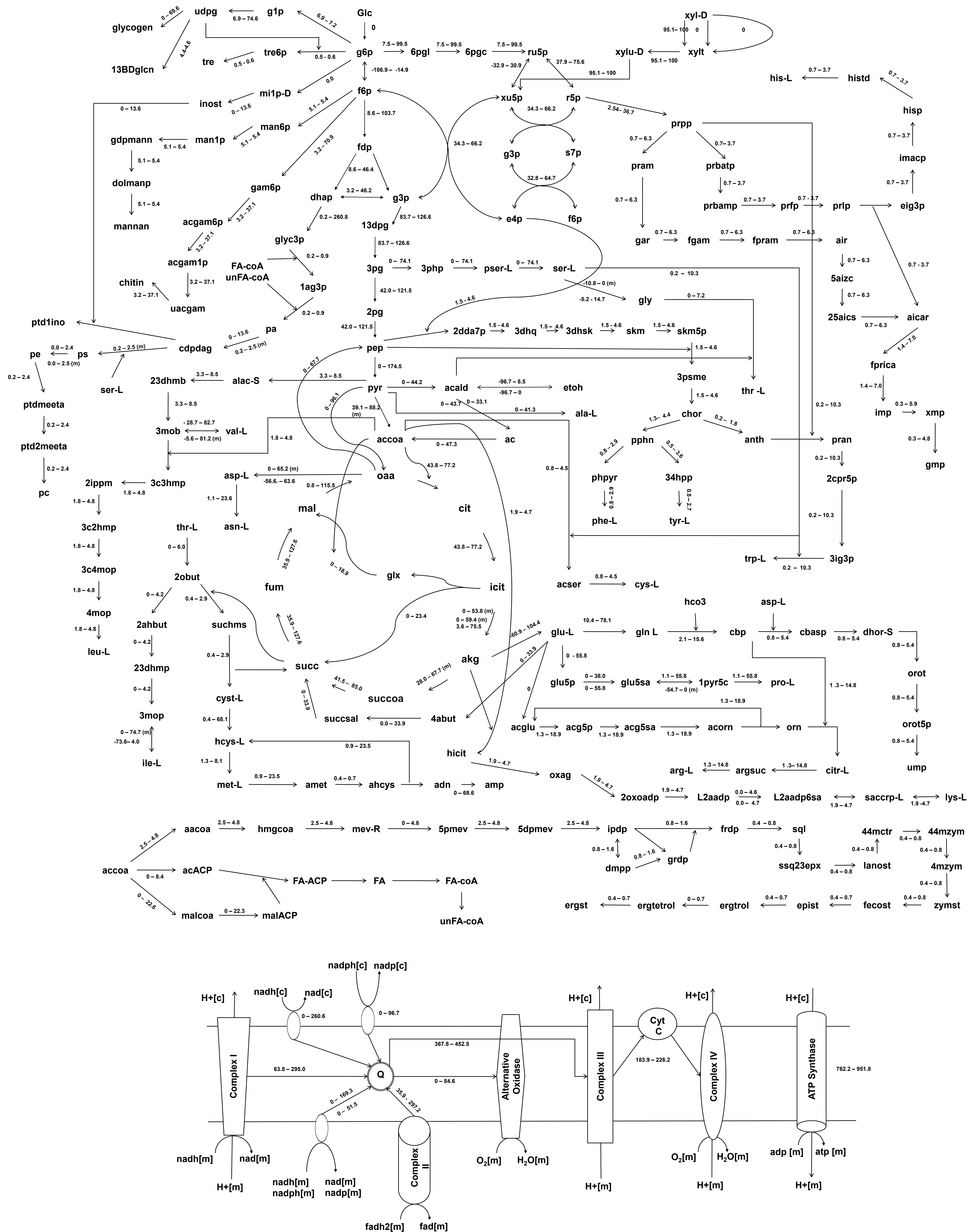


Supplementary Figure S1. Sub-Optimal Flux Variability Analysis for growth on Glucose



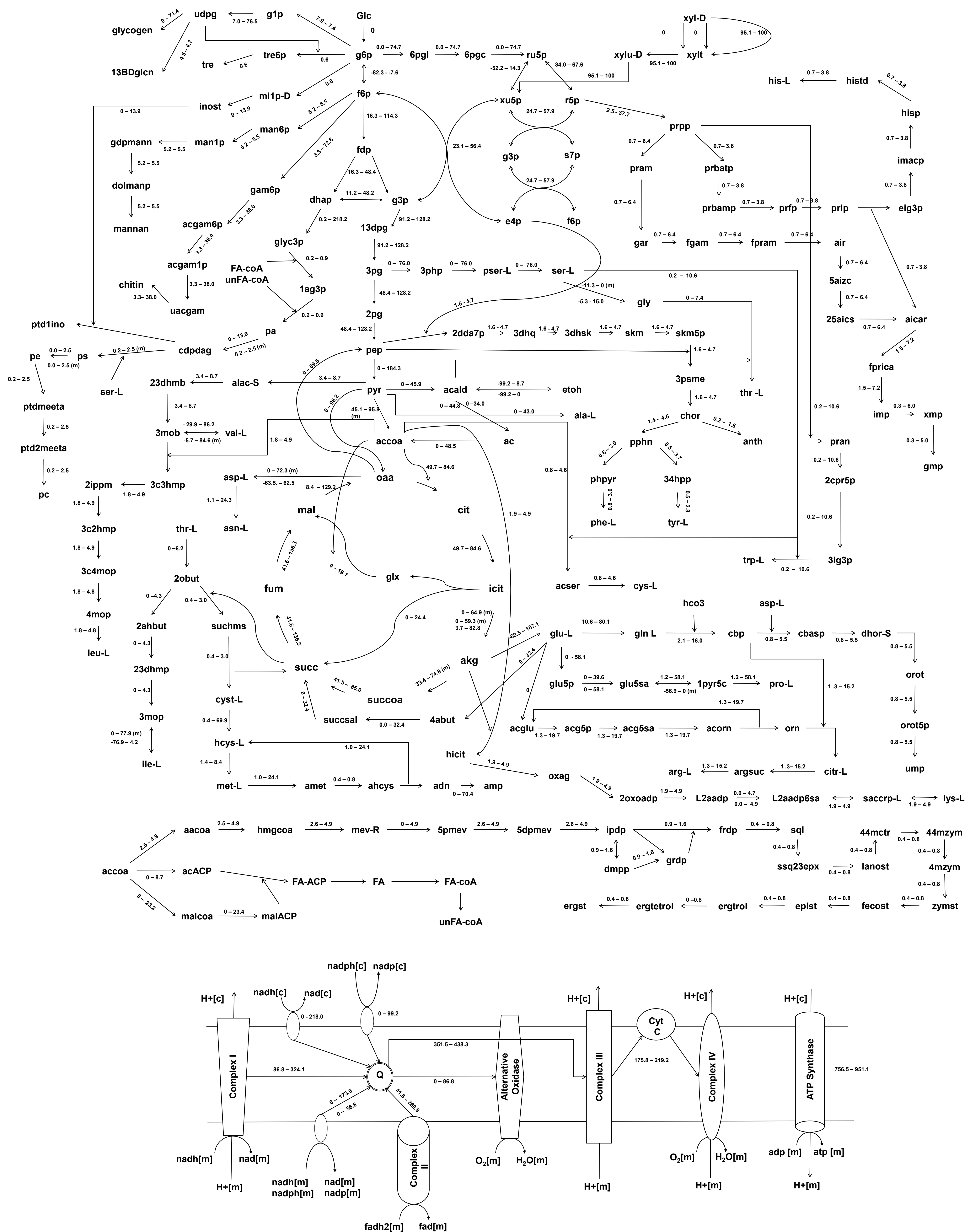






Supplementary Figure S3. Sub-Optimal Flux Variability Analysis for growth on Xylose (NADPH preferring)





Supplementary Figure S4. Sub-Optimal Flux Variability Analysis for growth on Xylose (1:1 NADH/NADPH )