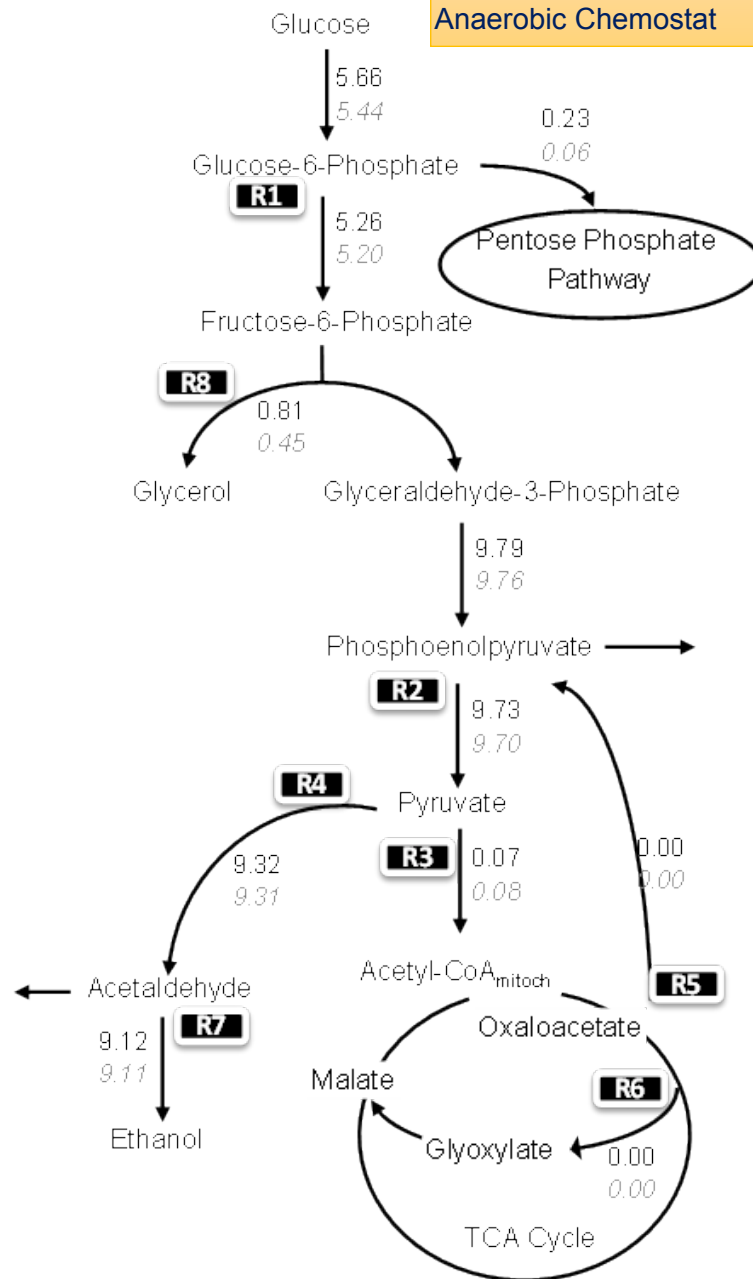
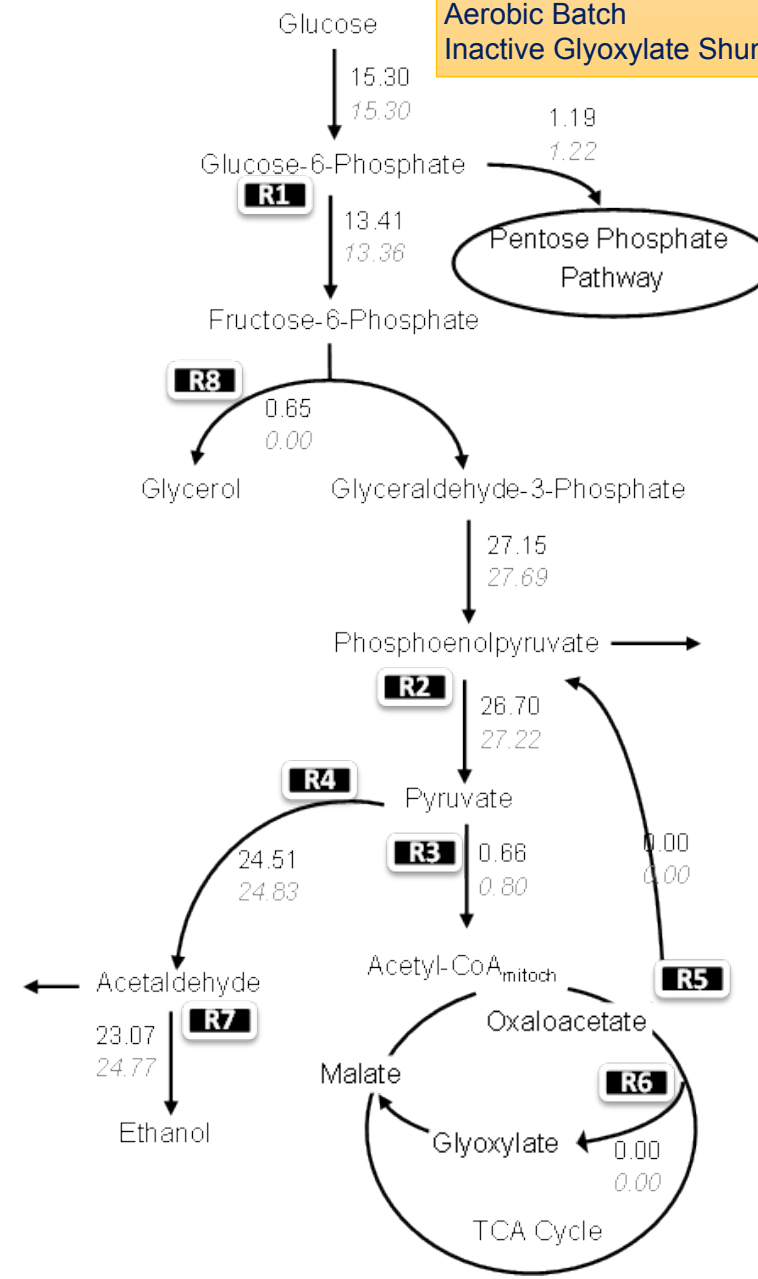


Supplementary Figure 1: Major fluxes of central carbon metabolism and the split branches for *E. coli* for the three studied conditions

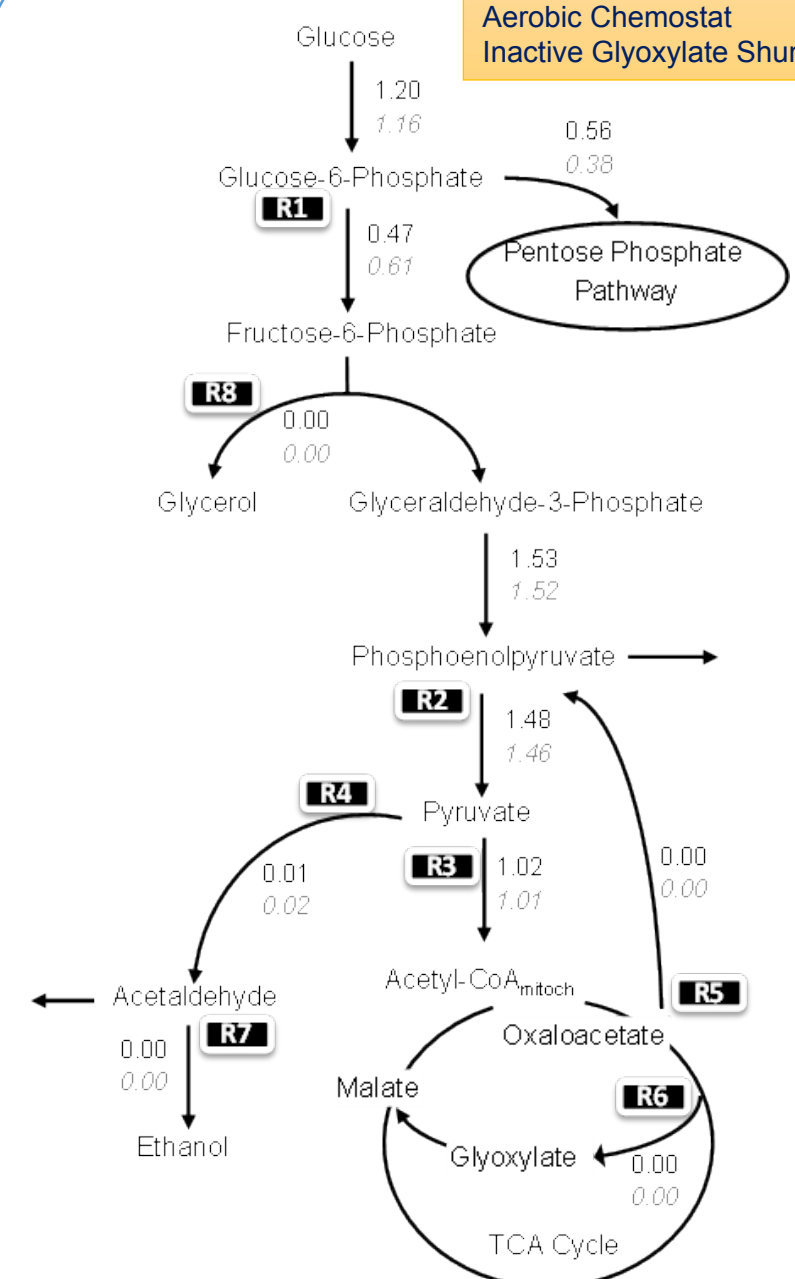
***Saccharomyces cerevisiae*
Anaerobic Chemostat**



***Saccharomyces cerevisiae*
Aerobic Batch
Inactive Glyoxylate Shunt**



***Saccharomyces cerevisiae*
Aerobic Chemostat
Inactive Glyoxylate Shunt**



Supplementary Figure 2: Major fluxes of central carbon metabolism and the split branches for *S. cerevisiae* for the three studied conditions