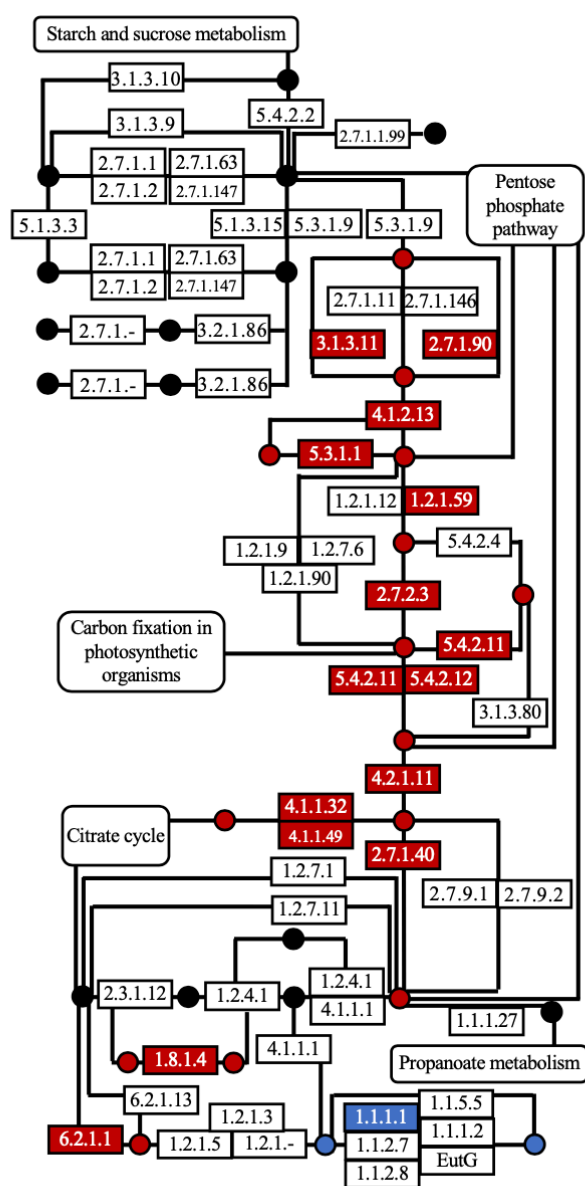
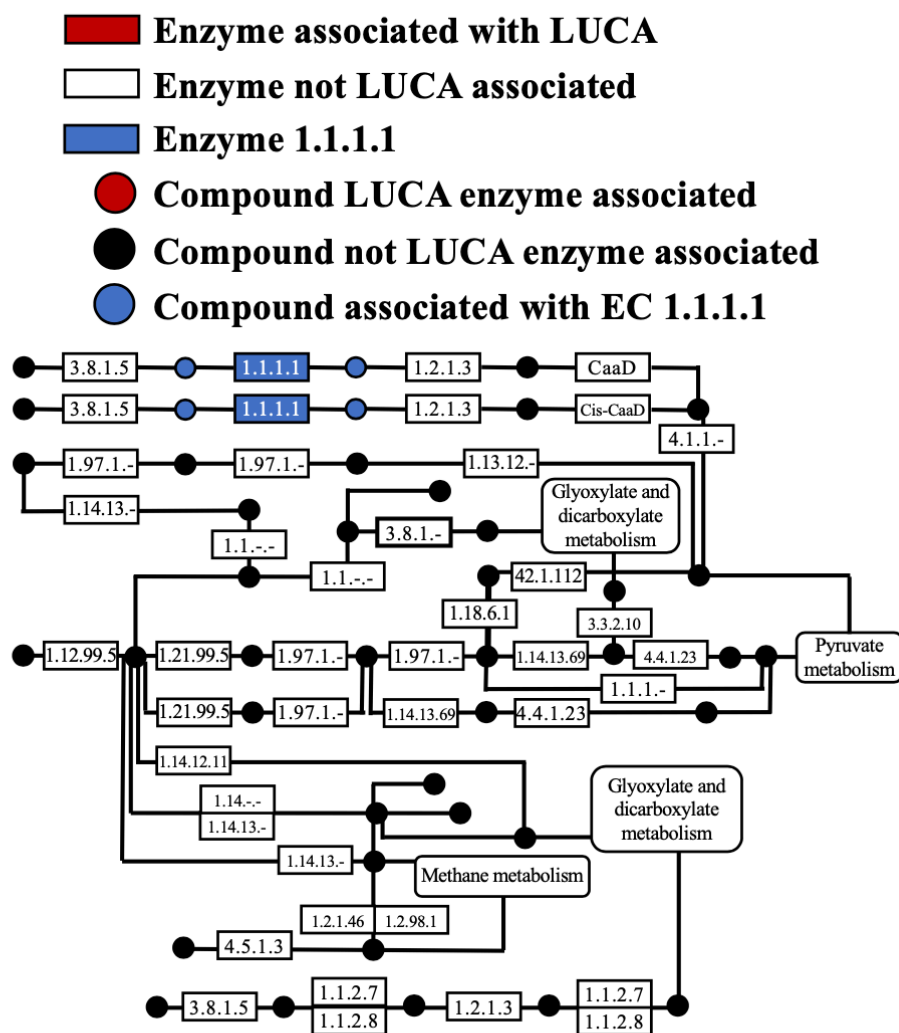




A. Glycolysis/Gluconeogenesis



B. Chloroalkane and chloroalkene degradation

Supplemental Figure 1. Example of pathway enrichment for LUCA enzymes. The left pathway, Glycolysis/Gluconeogenesis, was significantly enriched for LUCA enzymes when running a hypergeometric test (p value = 0.000004). The pathway on the right was not. VOCs associated with EC 1.1.1.1 in the left pathway would be included as LUCA associated through our more conservative filtering process. VOCs associated with EC 1.1.1.1 would be associated with LUCA through our broad approach, but not through the more conservative filtering process.