



Figure 16. Pathways for ketogenesis, the TCA cycle, and transsulfuration for glutathione synthesis were outlined with focus on metabolites identified by in our analysis (bold). Green metabolites had significantly increasing concentration trends ($p < 0.05$). Blue metabolites had significantly decreasing concentration trends ($p < 0.05$). Black metabolites did not change concentration significantly ($p < 0.05$), and non-bolded metabolites were not identified in our analysis. The red arrows and boxes represent possible aberrations due to burn injury that could have resulted in accumulation of 2-hydroxybutyrate, isovalerate, acetoacetate, and 3-hydroxybutyrate.