SCFAs and modules correlation heatmap

FDR-values: < 0.001 = ***, < 0.01 = **, < 0.1 = * lactose degradation ribose degradation melibiose degradation arginine degradation V arabinose degradation fructan degradation pyruvate:formate lyase aspartate degradation I acetyl-CoA to crotonyl-CoA butyrate production I trehalose degradation Entner-Doudoroff pathway sucrose degradation I threonine degradation I cysteine degradation I cysteine degradation II maltose degradation lactate production urea degradation Bifidobacterium shunt pyruvate dehydrogenase complex fucose degradation isoleucine degradation formate conversion Modules butyrate production II nitrate reduction (dissimilatory) glycolysis (pay-off phase) serine degradation methionine degradation I mucin degradation glutamine degradation I quinolinic acid biosinthesis I arabinoxylan degradation valine degradation I glutamate degradation III histidine degradation ethanol production II ethanol production I pyruvate:ferredoxin oxidoreductase 4-aminobutyrate degradation acetate to acetyl-CoA starch degradation aspartate degradation II lysine degradation I arginine degradation IV mannose degradation propionate production II succinate production methionine degradation II glycine degradation arginine degradation Æ ≸ CA **SCFAs**

effectSize

0.4

0.0

-0.4