Summarizing heatmap FDR-values: < 0.001 = ***, < 0.01 = **, < 0.1 = * glutamate degradation II mannose degradation acetate to acetyl-CoA mucin degradation nitrate reduction (dissimilatory) starch degradation formate conversion fucose degradation quinolinic acid biosinthesis I glutamine degradation I pentose phosphate pathway (oxidative phase) 4-aminobutyrate degradation ethanol production II ethanol production I lactate consumption I Ds methionine degradation II succinate production 8.0 glycine degradation 0.4 propionate production III Omics features arabinoxylan degradation 0.0 cysteine biosynthesis/homocysteine degradation alanine degradation II -0.4arginine degradation I aspartate degradation II isoleucine degradation Confounding status indole biosynthesis tryptophan degradation confounded butyrate production II deconfounded kynurenine biosinthesis I putrescine degradation methanol conversion arabinose degradation ribose degradation sucrose degradation I fructan degradation butyrate production I trehalose degradation glycerol degradation II acetyl-CoA to crotonyl-CoA arginine degradation V cysteine degradation I threonine degradation I pyruvate:formate lyase lactaldehyde degradation

Metadata variables

Batch

SCFA_AA

SCFA_BA

GAT3

Antibiotic