

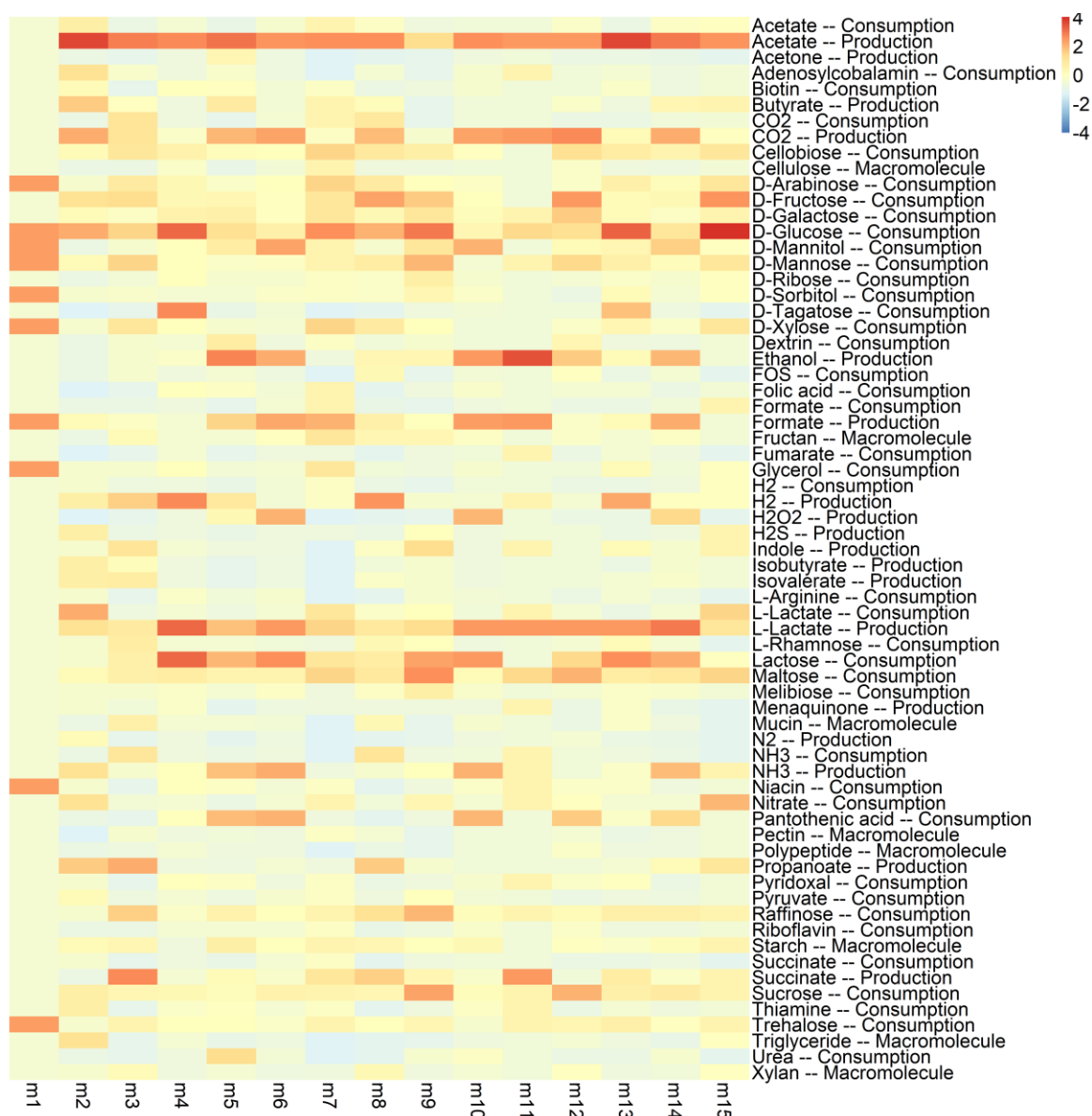


Figure S1. Heatmap of Functional Annotation Enrichment Across Modules. This heatmap shows the enrichment of microbial functional annotations within each module. Rows represent specific microbial functions, columns represent modules, and the color intensity indicates the degree of functional enrichment in each module.