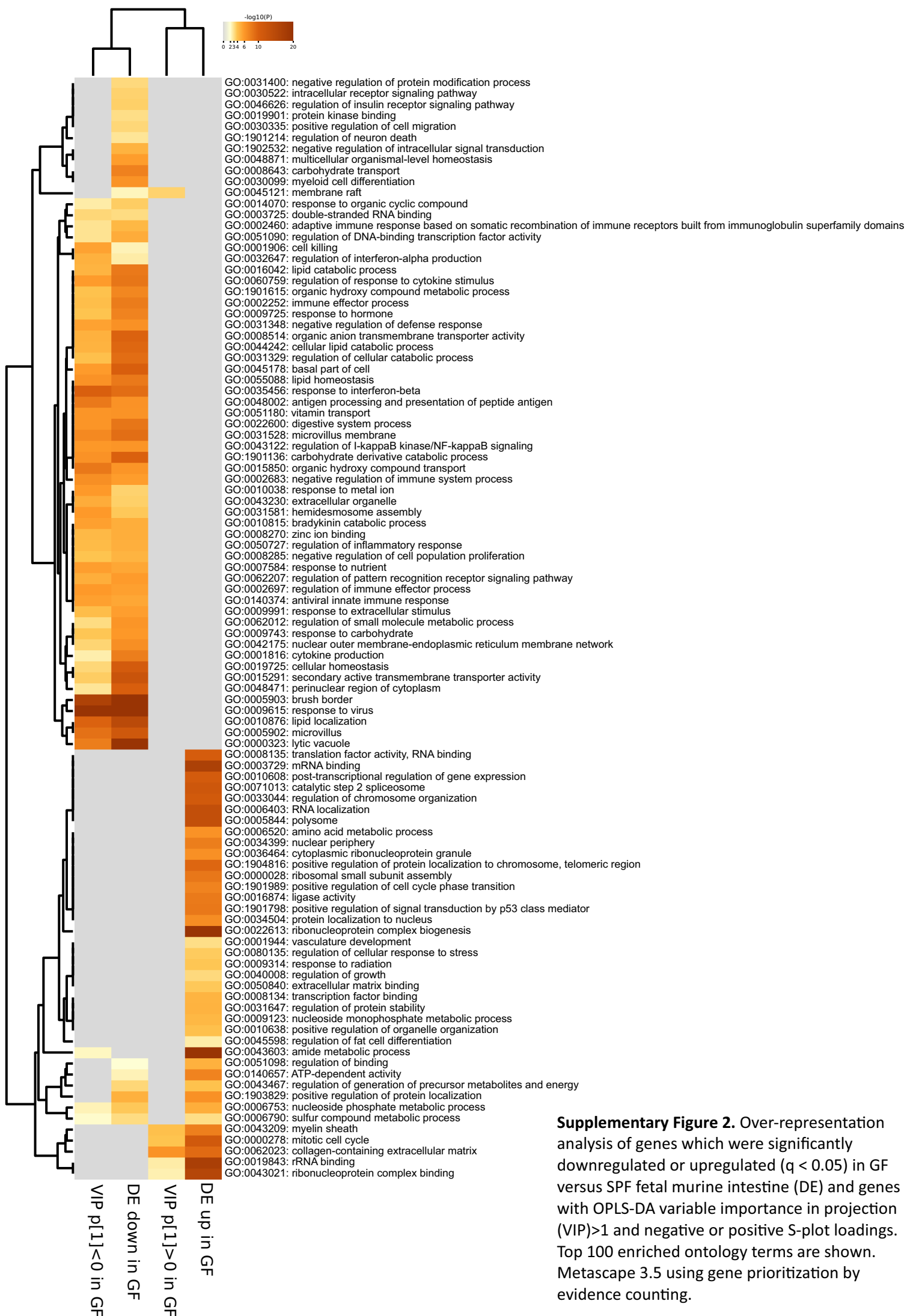


Supplementary Figures

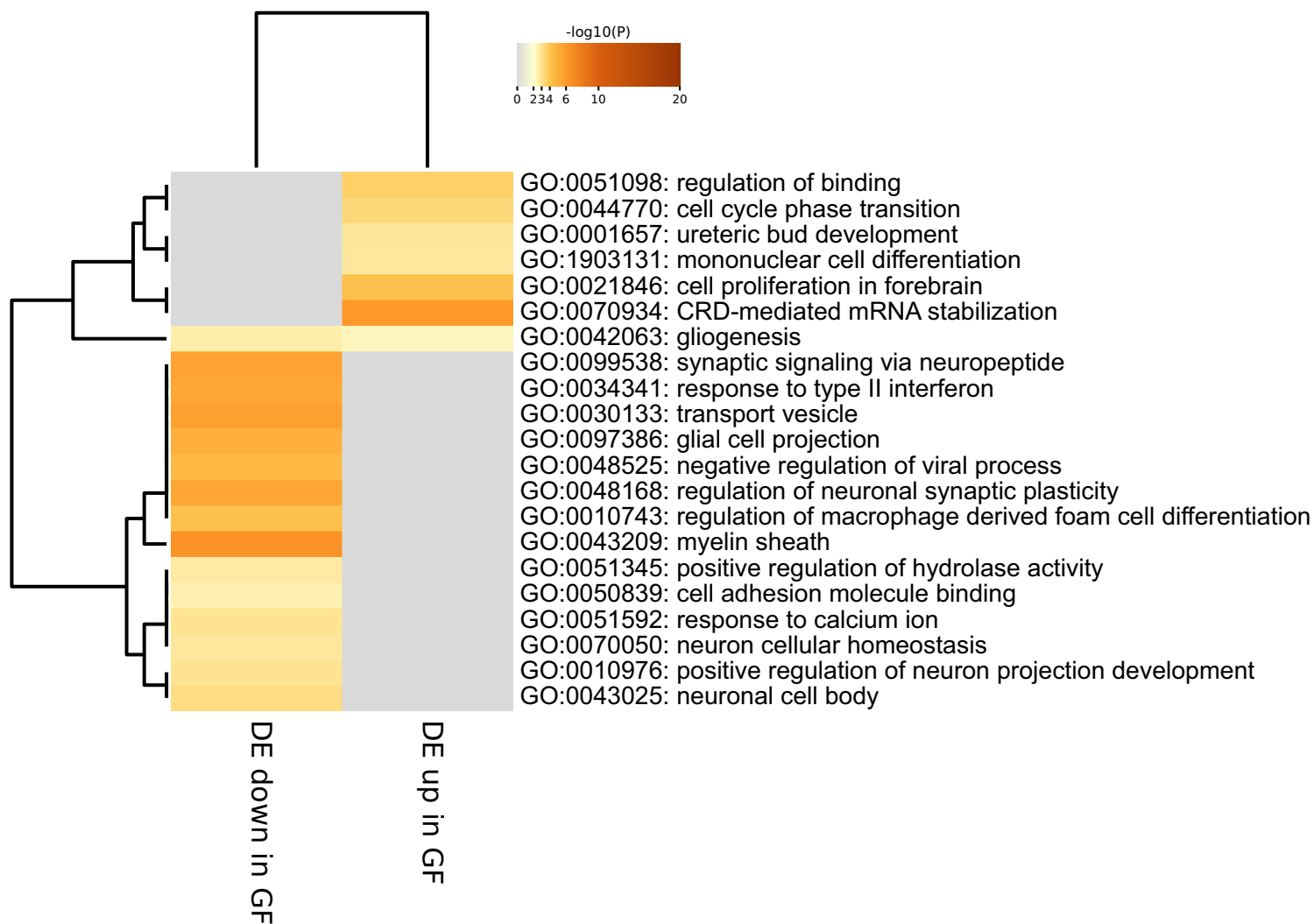
Husso et al. 2023 Impacts of maternal microbiota and microbial metabolites on fetal intestine, brain and placenta



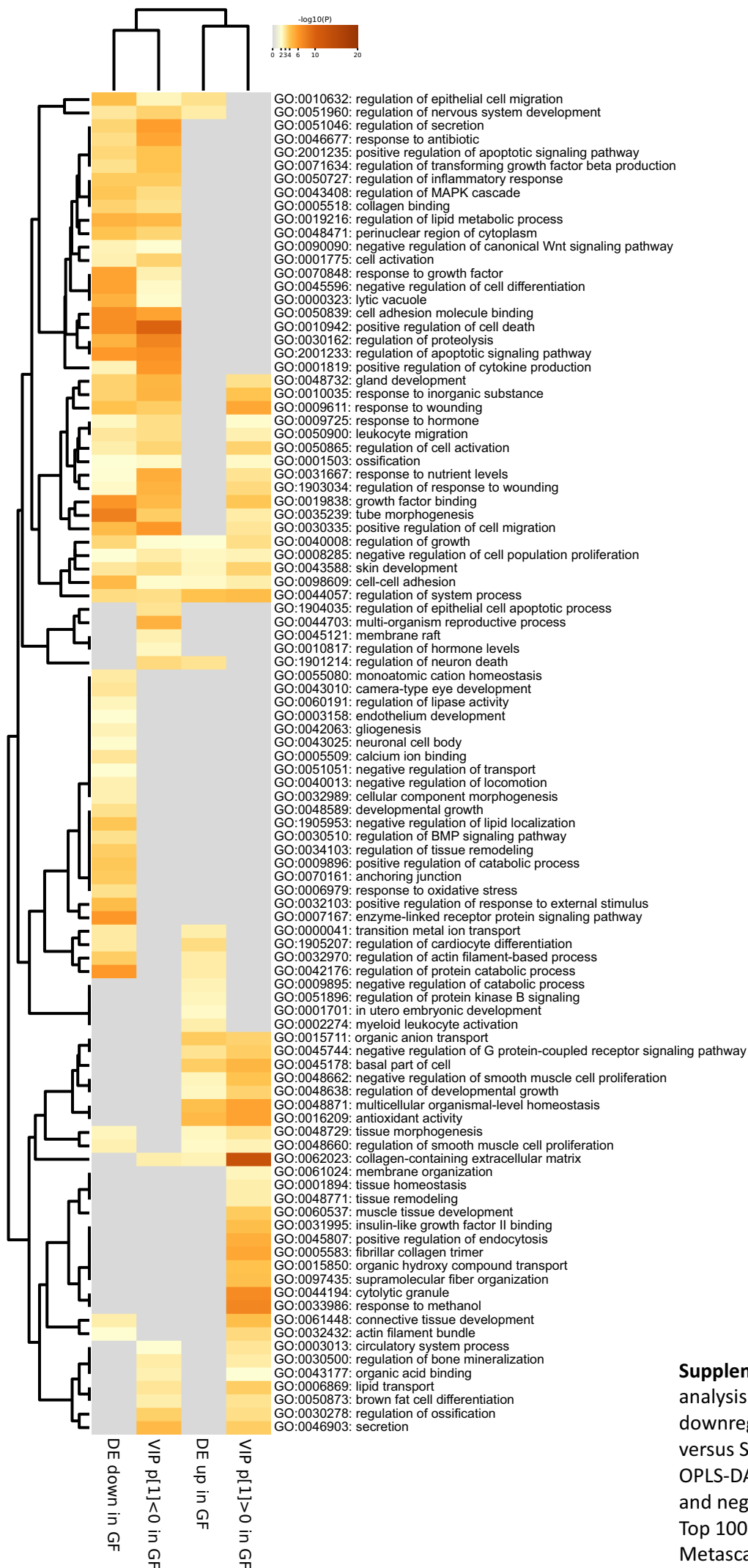
Supplementary Figure 1. Over-representation analysis of genes which were significantly differentially expressed ($q < 0.05$) in GF versus SPF fetal murine intestine, brain and placenta. Top 100 enriched ontology terms are shown. Metascape 3.5 using gene prioritization by evidence counting and selective GO clusters.



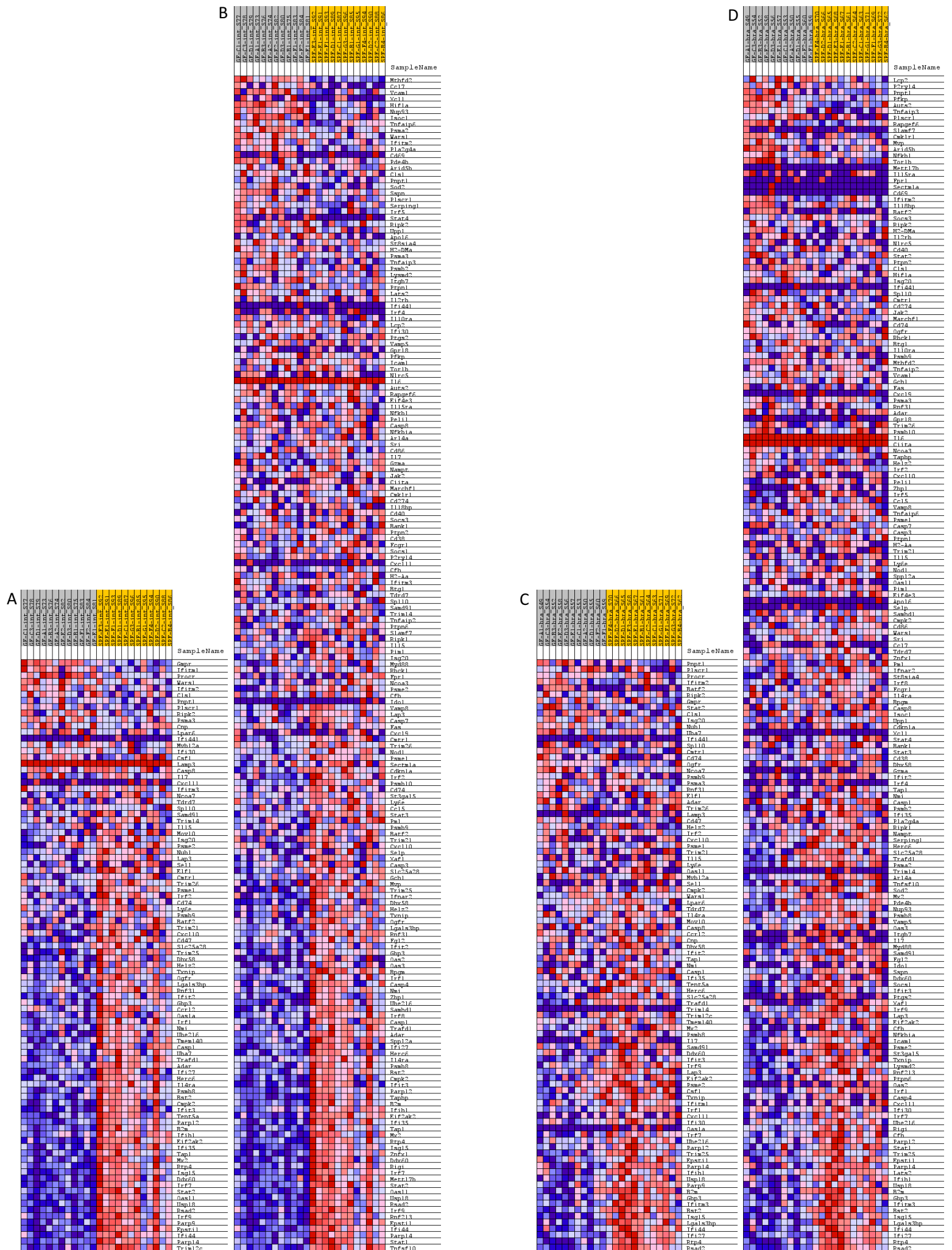
Supplementary Figure 2. Over-representation analysis of genes which were significantly downregulated or upregulated ($q < 0.05$) in GF versus SPF fetal murine intestine (DE) and genes with OPLS-DA variable importance in projection (VIP) > 1 and negative or positive S-plot loadings. Top 100 enriched ontology terms are shown. Metascape 3.5 using gene prioritization by evidence counting.



Supplementary Figure 3. Over-representation analysis of genes which were significantly downregulated or upregulated ($q < 0.05$) in GF versus SPF fetal murine brain. Metascape 3.5 using gene prioritization by evidence counting.

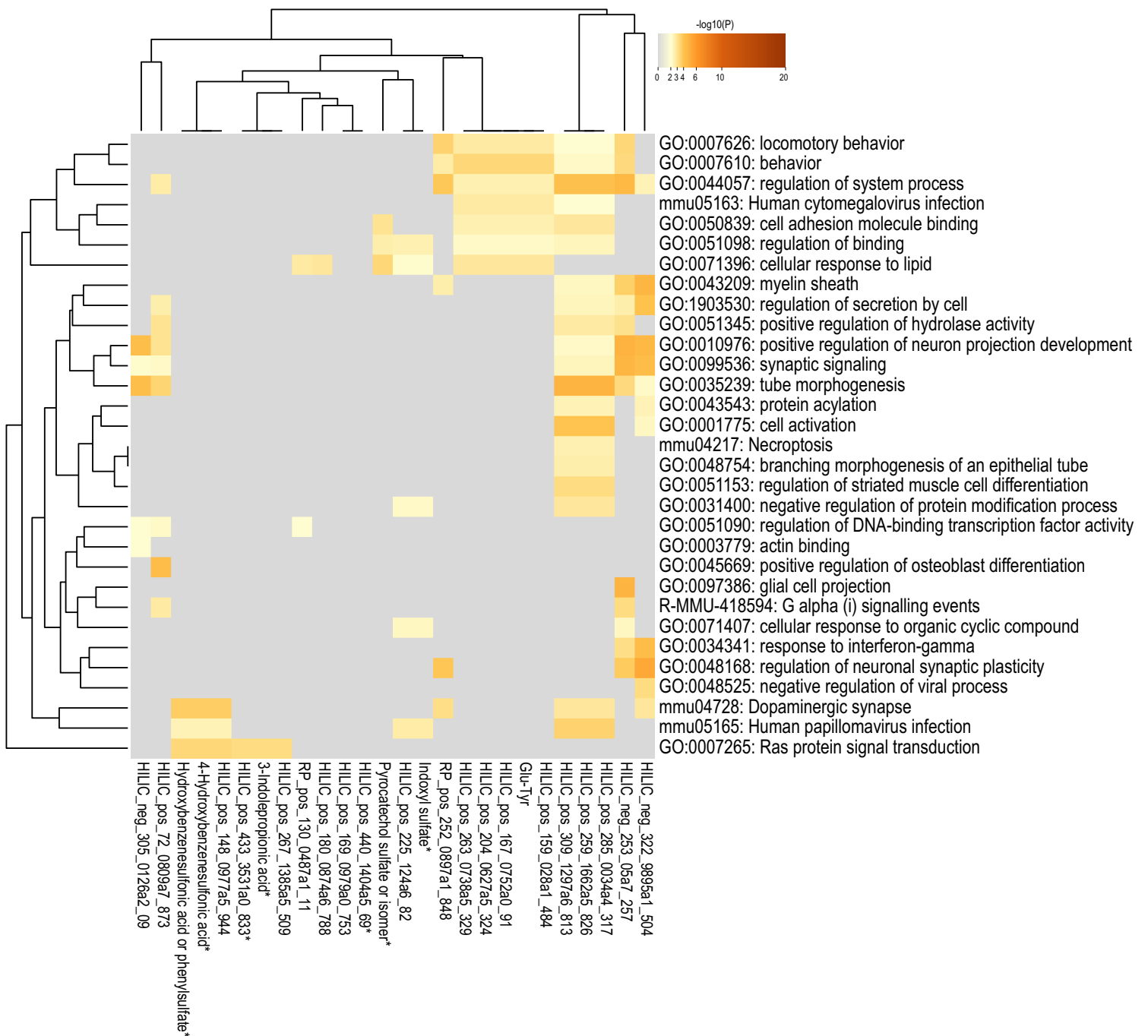


Supplementary Figure 4. Over-representation analysis of genes which were significantly downregulated or upregulated ($q < 0.05$) in GF versus SPF murine placenta (DE) and genes with OPLS-DA variable importance in projection (VIP)>1 and negative or positive S-plot loadings. Top 100 enriched ontology terms are shown. Metascape 3.5 using gene prioritization by evidence counting.

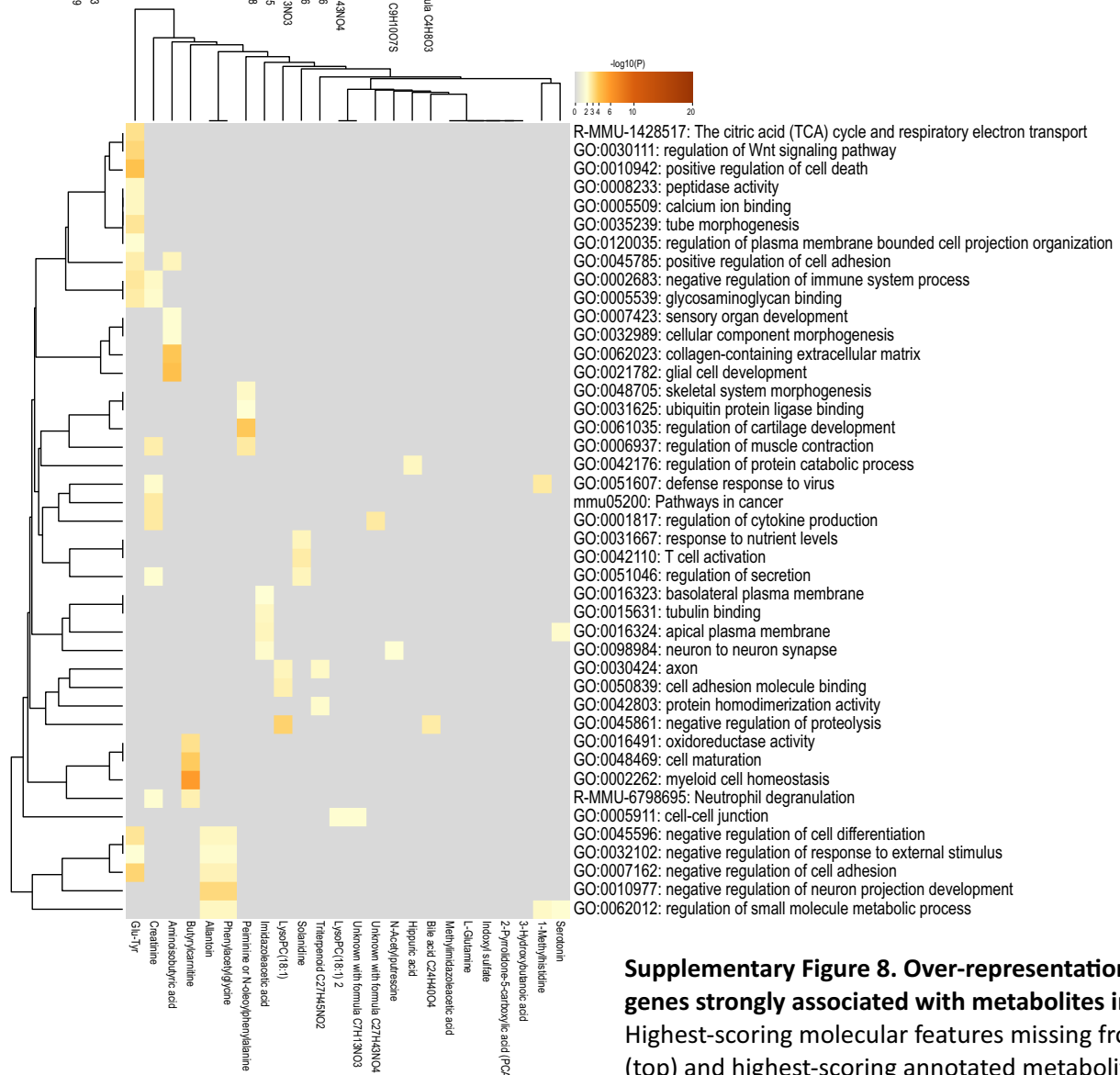
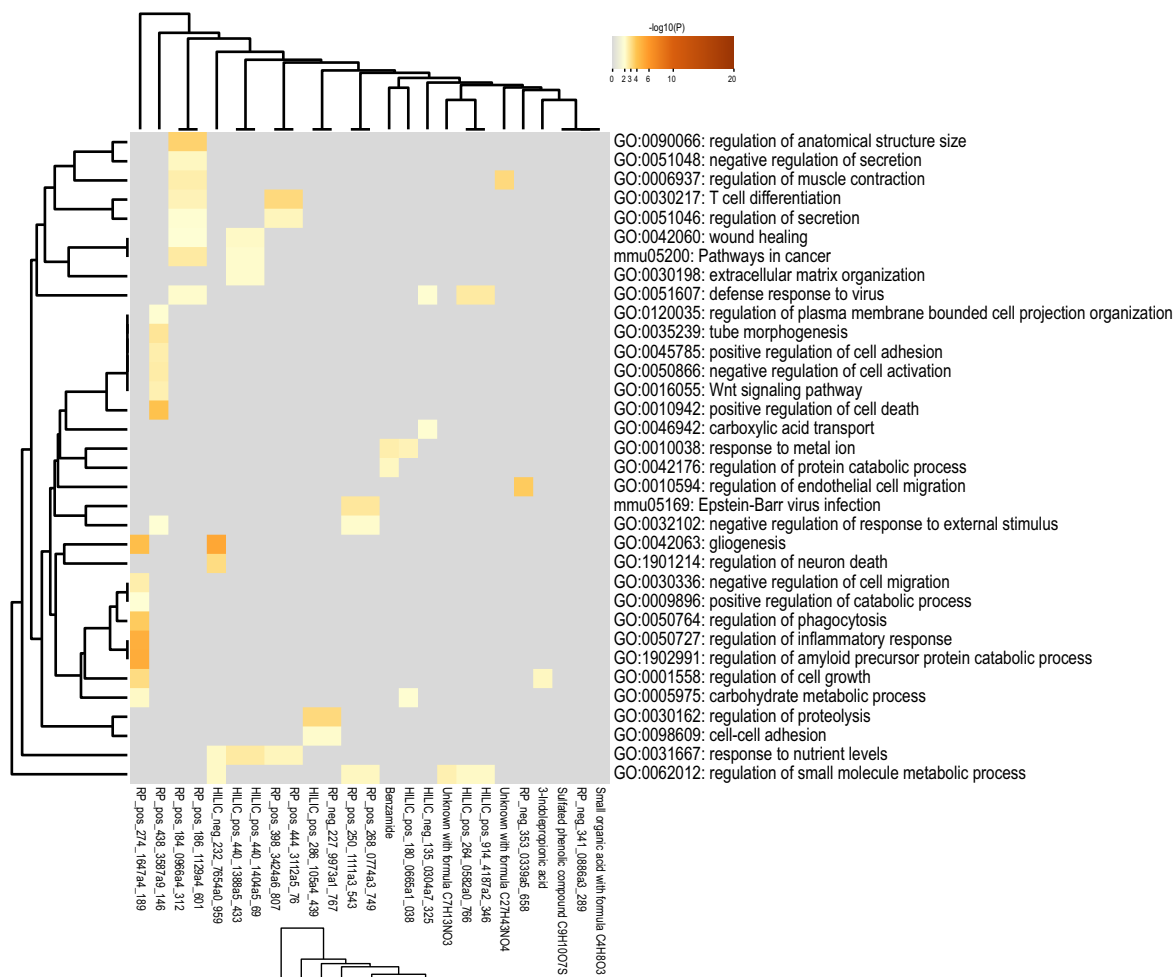




Supplementary Figure 6. Over-representation analysis of genes strongly associated with metabolites in fetal intestine. Highest-scoring molecular features missing from GF fetuses (left) and highest-scoring annotated metabolites more abundant in SPF fetuses (right). Top 100 enriched ontology terms are shown. Here, non-selective picking of ontology clusters was used.



Supplementary Figure 7. Over-representation analysis of genes strongly associated with metabolites in fetal brain. Metabolites missing from GF fetuses are indicated by *. Top 100 enriched ontology terms are shown. Here, non-selective picking of ontology clusters was used.



Supplementary Figure 8. Over-representation analysis of genes strongly associated with metabolites in placenta. Highest-scoring molecular features missing from GF fetuses (top) and highest-scoring annotated metabolites more abundant in SPF fetuses (bottom). Here, non-selective picking of ontology clusters was used.