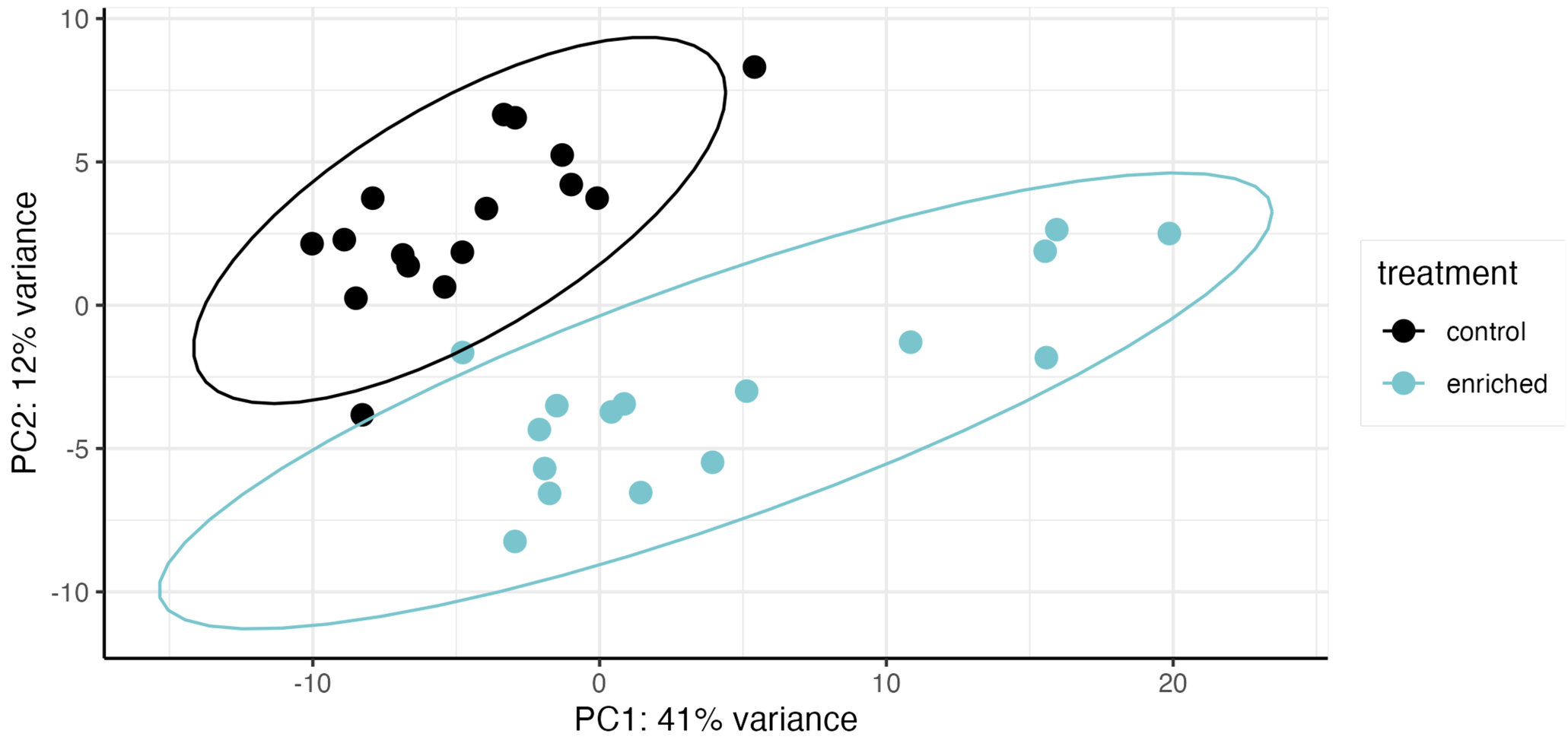
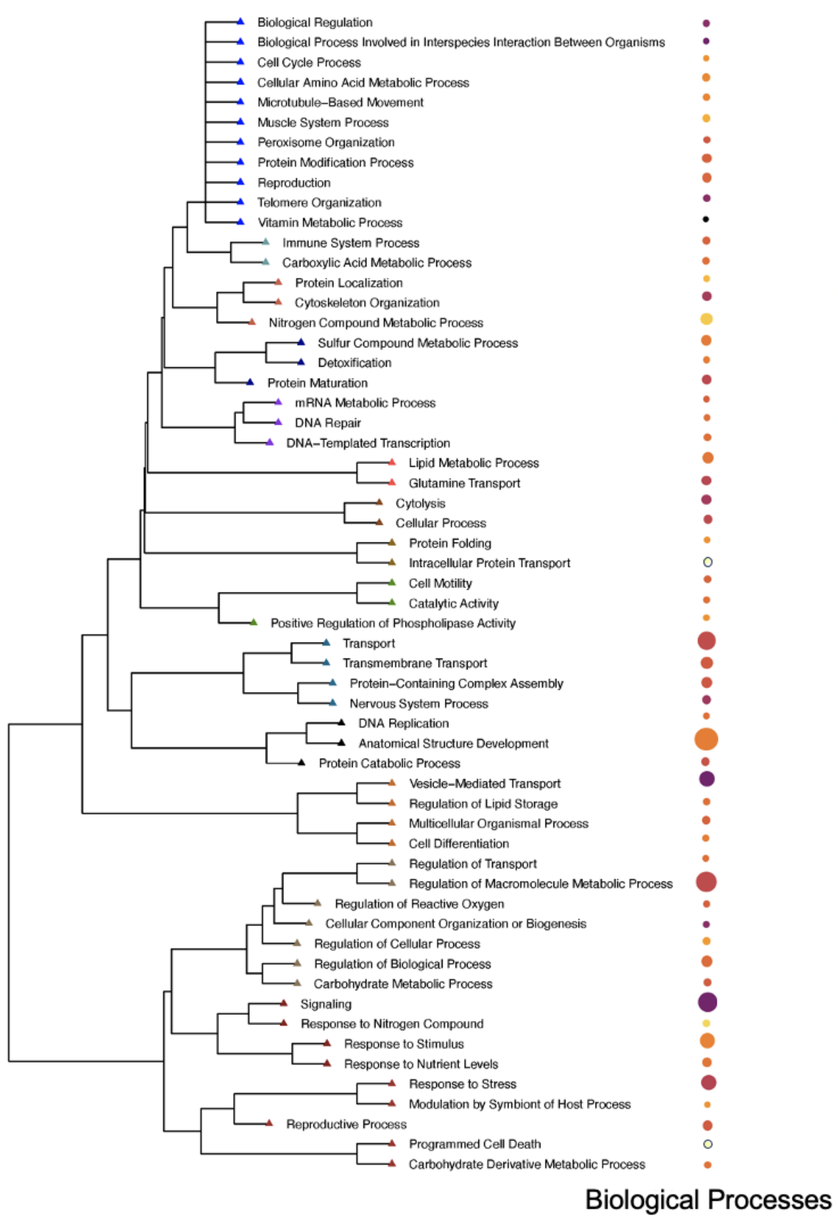
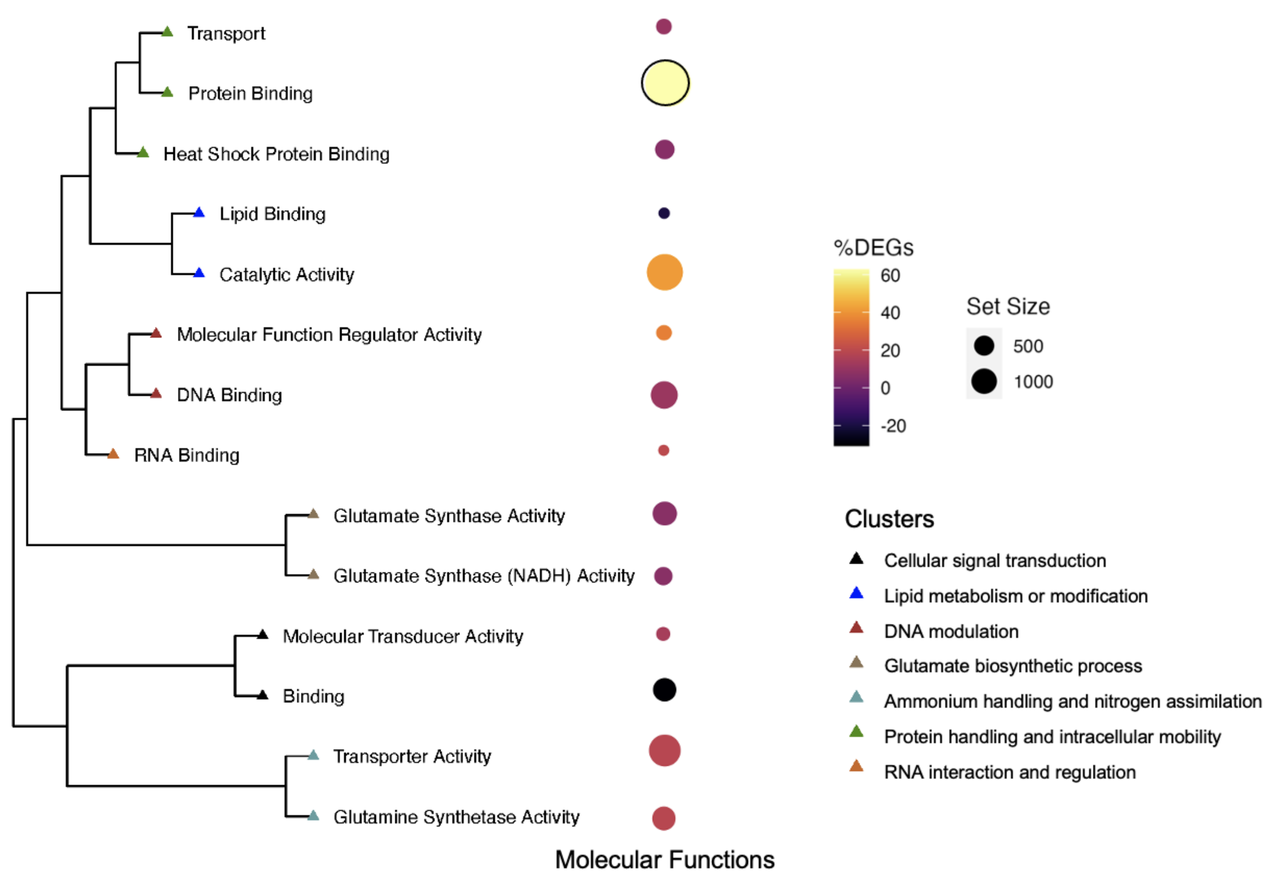
A


PC2: 12% variance
PC1: 41% variance
10
5
0
-5
-10
-10
0
10
20
treatment
control
enriched


Biological Regulation
Biological Process Involved in Interspecies Interaction Between Organisms
Cell Cycle Process
Cellular Amino Acid Metabolic Process
Microtubule–Based Movement
Muscle System Process
Peroxisome Organization
Protein Modification Process
Reproduction
Telomere Organization
Vitamin Metabolic Process
Immune System Process
Carboxylic Acid Metabolic Process
Protein Localization
Cytoskeleton Organization
Nitrogen Compound Metabolic Process
Sulfur Compound Metabolic Process
Detoxification
Protein Maturation
mRNA Metabolic Process
DNA Repair
DNA–Templated Transcription
Lipid Metabolic Process
Glutamine Transport
Cytolysis
Cellular Process
Protein Folding
Intracellular Protein Transport
Cell Motility
Catalytic Activity
Positive Regulation of Phospholipase Activity
Transport
Transmembrane Transport
Protein–Containing Complex Assembly
Nervous System Process
DNA Replication
Anatomical Structure Development
Protein Catabolic Process
Vesicle–Mediated Transport
Regulation of Lipid Storage
Multicellular Organismal Process
Cell Differentiation
Regulation of Transport
Regulation of Macromolecule Metabolic Process
Regulation of Reactive Oxygen
Cellular Component Organization or Biogenesis
Regulation of Cellular Process
Regulation of Biological Process
Carbohydrate Metabolic Process
Signaling
Response to Nitrogen Compound
Response to Stimulus
Response to Nutrient Levels
Response to Stress
Modulation by Symbiont of Host Process
Reproductive Process
Programmed Cell Death
Carbohydrate Derivative Metabolic Process
Biological Processes
%DEGs
100
50
0
-50
-100
Set Size
200
400
600
Clusters
Growth and development
Cellular homeostasis
Host-symbiont interactions and cellular regulation
Cellular regulation and control
Immune-metabolic crosstalk
Kinetic cellular dynamics
Lipid-integrated morphogenesis
Cellular dynamics and disruption
Cellular architecture and nitrogen metabolism
Detoxification and protein homeostasis
Genomic maintenance and expression
Metabolic transport and lipid homeostasis
Protein biogenesis
Neuro-sensory regulation and cellular transport
Nutrient and metabolic signaling


Transport
Protein Binding
Heat Shock Protein Binding
Lipid Binding
Catalytic Activity
Molecular Function Regulator Activity
DNA Binding
RNA Binding
Glutamate Synthase Activity
Glutamate Synthase (NADH) Activity
Molecular Transducer Activity
Binding
Transporter Activity
Glutamine Synthetase Activity
Molecular Functions
%DEGs
60
40
20
0
-20
Set Size
500
1000
Clusters
Cellular signal transduction
Lipid metabolism or modification
DNA modulation
Glutamate biosynthetic process
Ammonium handling and nitrogen assimilation
Protein handling and intracellular mobility
RNA interaction and regulation