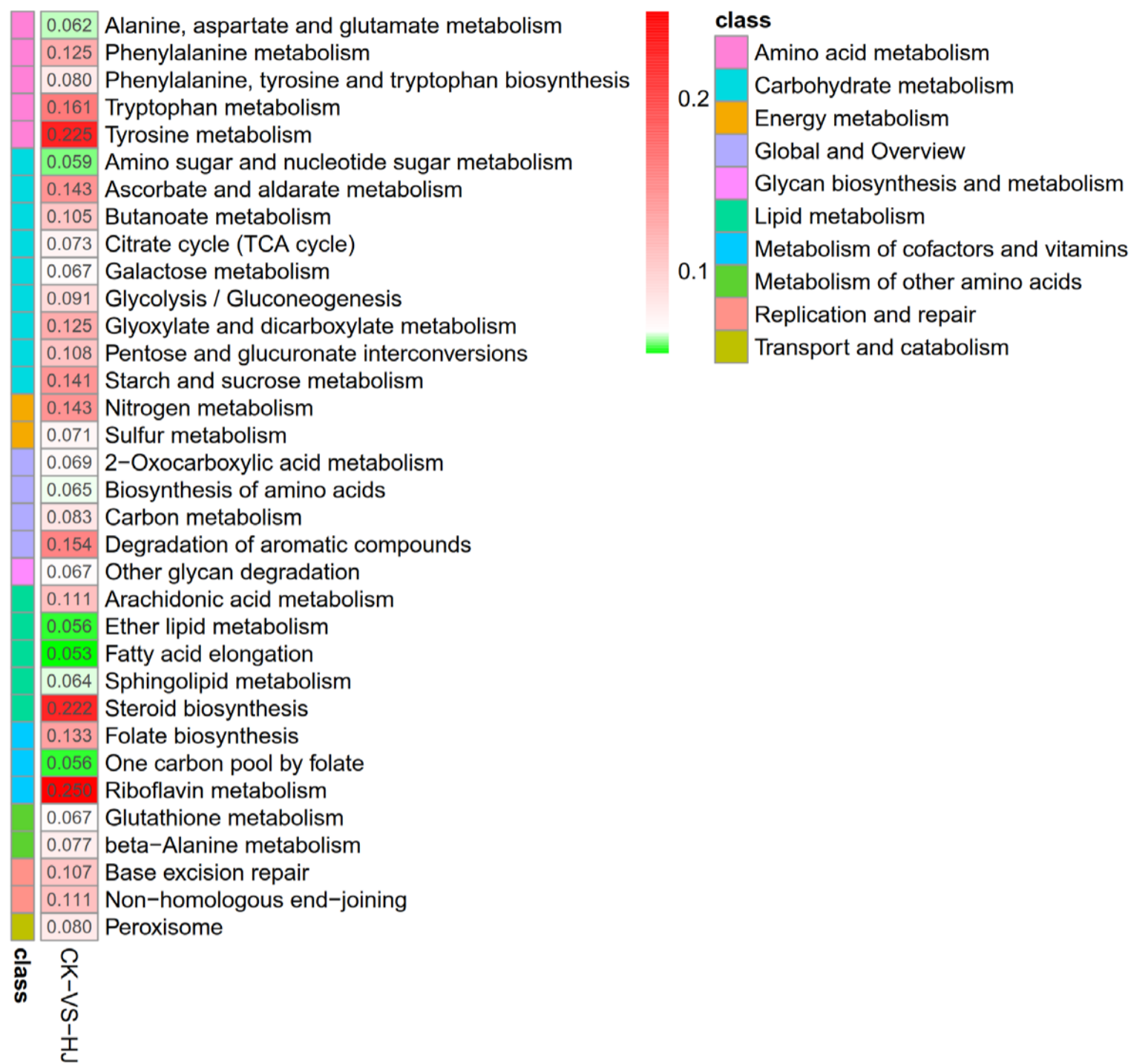


SUPPLEMENTARY MATERIAL - FIGURES

Supplementary Figure 1. KO enrichment factor heat map. (The Rich Factor filter criterion is at least one sample greater than or equal to 0.05. The left color bar represents different KEGG Level 2 classification notes. Each row represents a pathway, and each column represents a comparison group.)



Supplementary Figure 2. GO enrichment factor heat map. (Rich Factor Heat Map: The filter criterium is at least one sample greater than or equal to 0.05, and the left color bar represents three different GO Ontologies. Each row represents a GO Term, and each column represents a comparison group.)



Supplementary Figure 3. GO-directed acyclic graph (In this figure, the GO term that is closer to the root node is more generalized, and the downstream GO term is at a more detailed level). The program automatically assigns the shapes as follows: the squares represent the first 10 GO entries, and the circles represent other GO terms. The colors represent the following: the deeper the color, the more significant the GO term. The color range from shallow to deep is as follows: colourless- light yellow-dark yellow- red).

