

Figure S1. Correlation chart of the top 50 different metabolites. **A.** S1 vs. S0. **B.** W1 vs. W0. Note: The red shape indicates a positive correlation and the blue shape indicates a negative correlation.

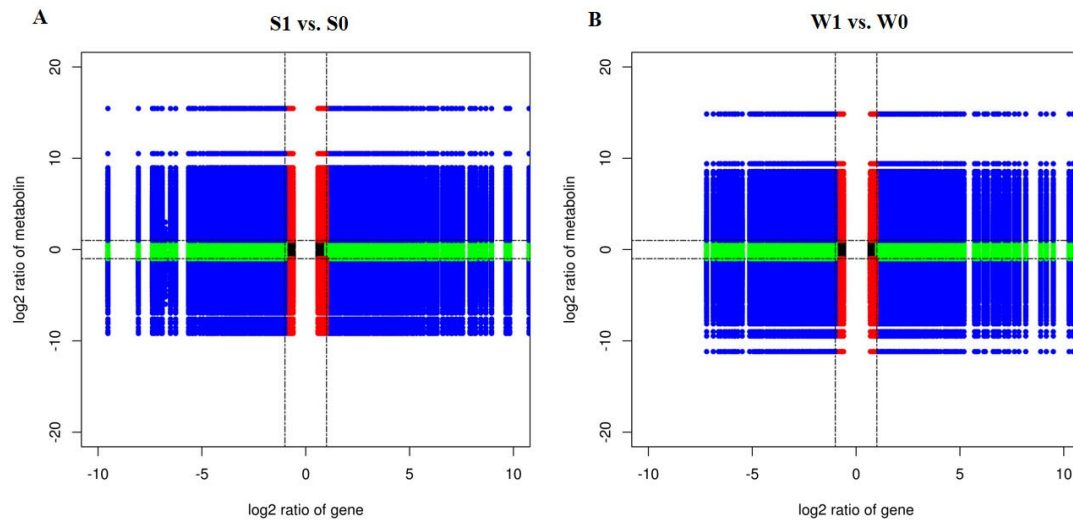
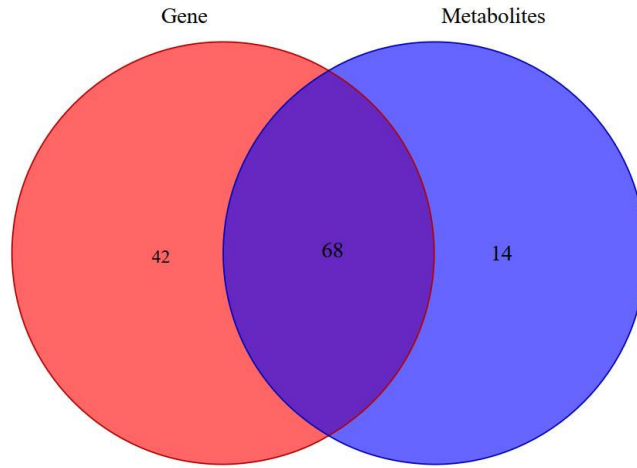


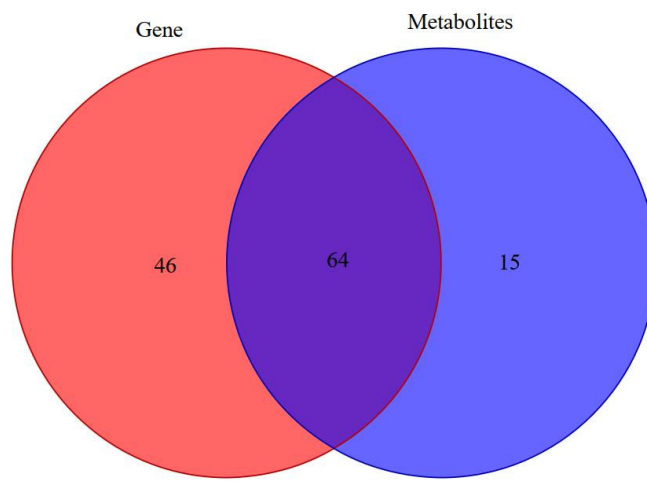
Figure S2. Nine-quadrant diagram of gene and metabolite correlation analysis. **A.** S1 vs. S0. **B.** W1 vs. W0. Note: In quadrant five, the gene and metabolite were not differentially expressed; in quadrants three and seven, the differential expression pattern of genes and metabolites was consistent; in quadrants one and nine, the differentially expressed patterns of genes and metabolites were opposite.

S1 vs. S0

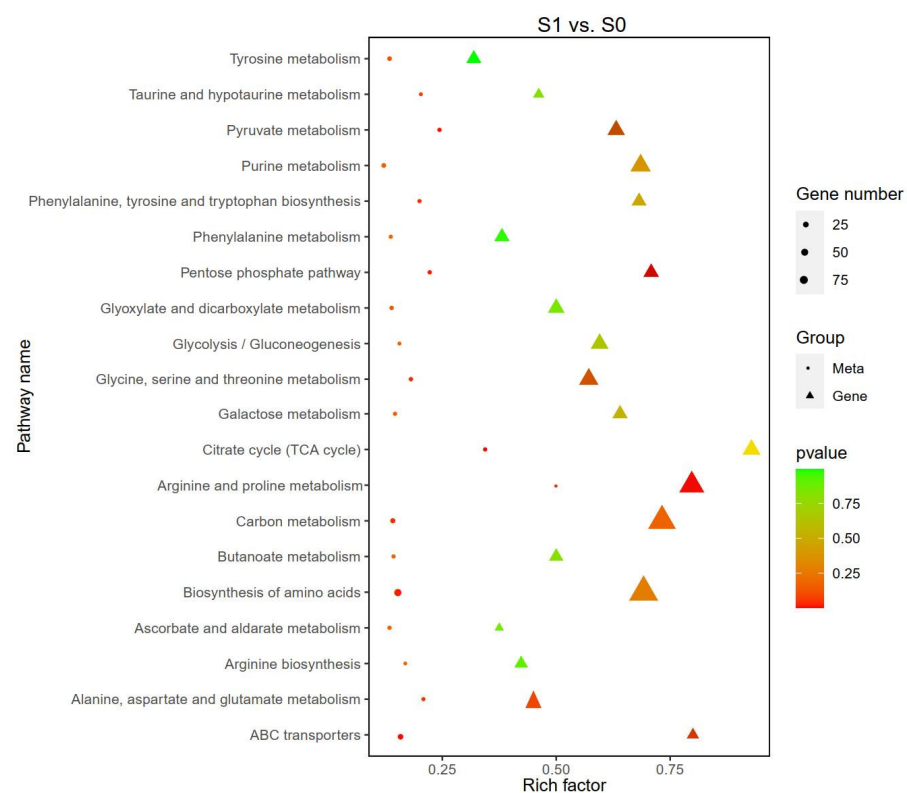


(A)

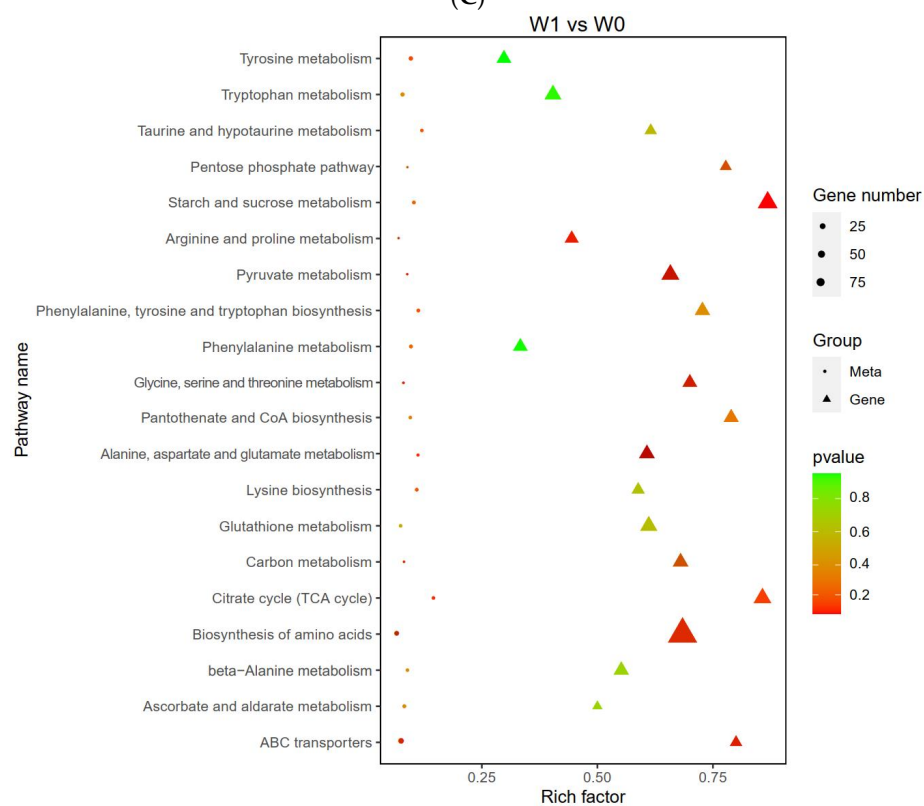
W1 vs. W0



(B)



(C)



(D)

Figure S3. KEGG enrichment analysis of differentially expressed genes and differentially accumulated metabolites. **A-B.** Venn diagram of KEGG enrichment analysis in S1 vs. S0 and W1 vs. W0. **C-D.** Bubble diagram of KEGG enrichment analysis in S1 vs. S0 and W1 vs. W0.