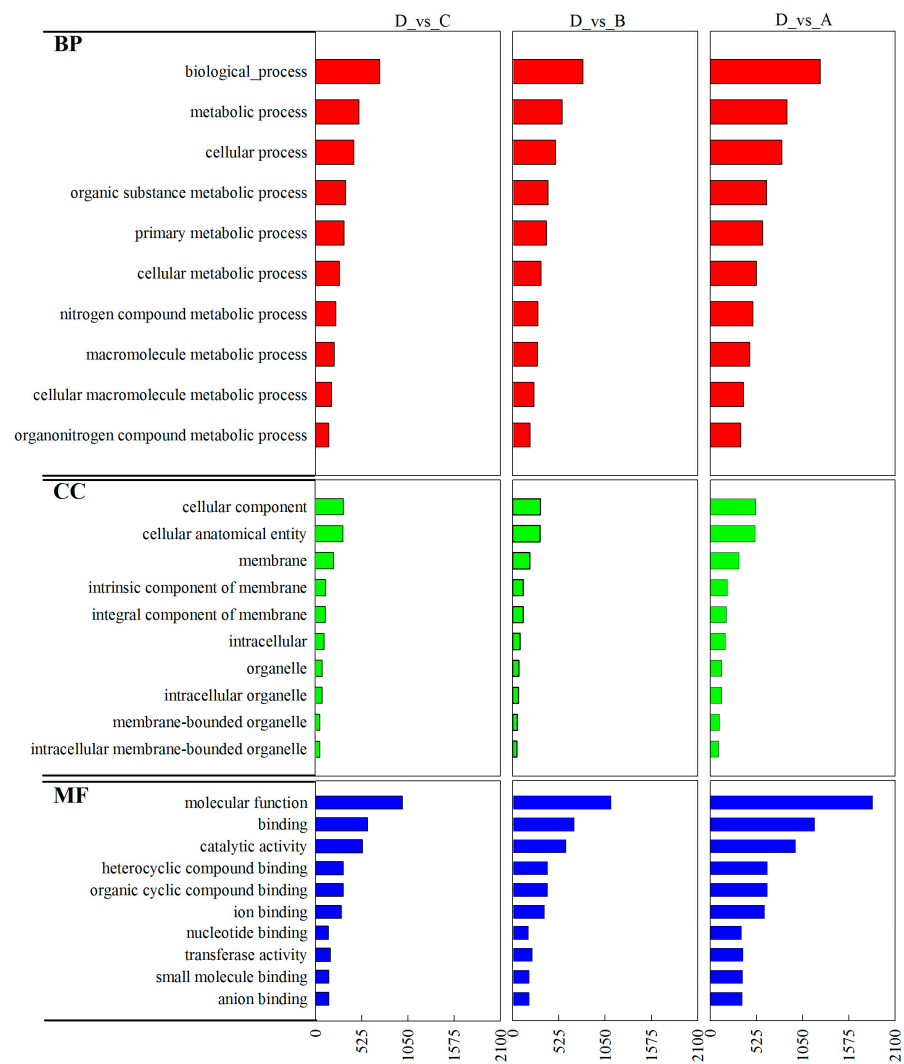
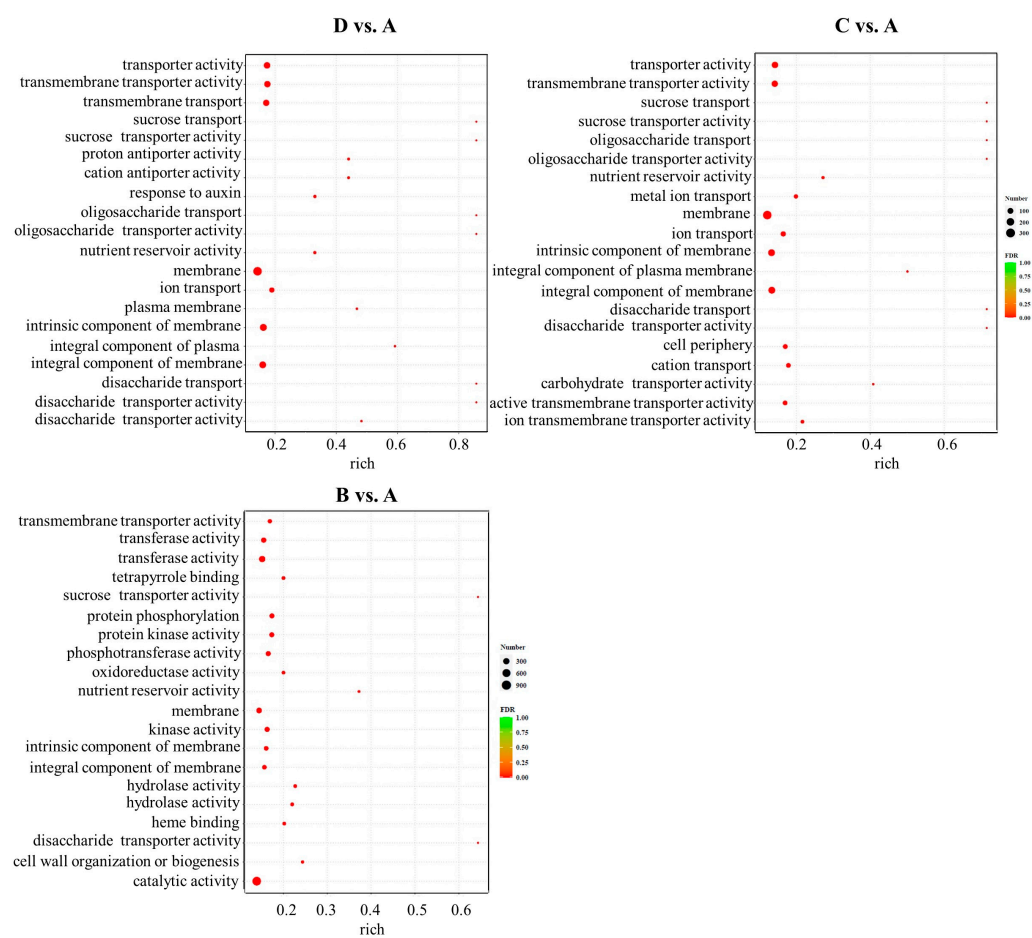


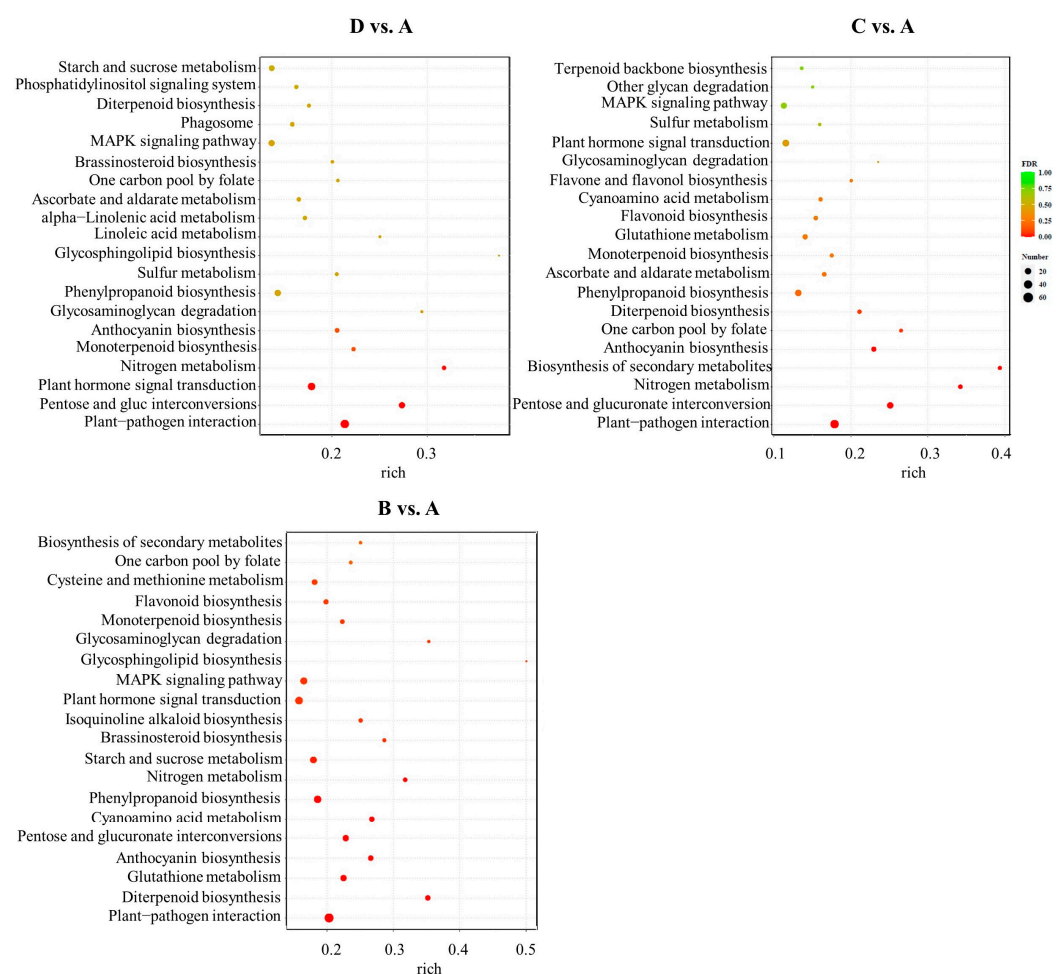
Supplementary Materials



**Figure S1.** The distribution and number of DEGs in three main categories in the three pairwise comparisons. BP: biological process, CC: cellular component, MF: molecular function.



**Figure S3.** GO enrichment analysis of DEGs in the three pairwise comparison groups. The size of the dot indicates the number of DEGs and the color represents the  $q$ -value of the enrichment. The coloration scale and annotation are shown on the right side of the figure.



**Figure S4.** KEGG pathway enrichment analysis of the identified DEGs among the three comparison groups. The x-axis represents the rich factor, the y-axis indicates the name of the KEGG pathway. The size of the dot indicates the number of DEGs in each pathway while dot color represents the q-value of the enrichment.