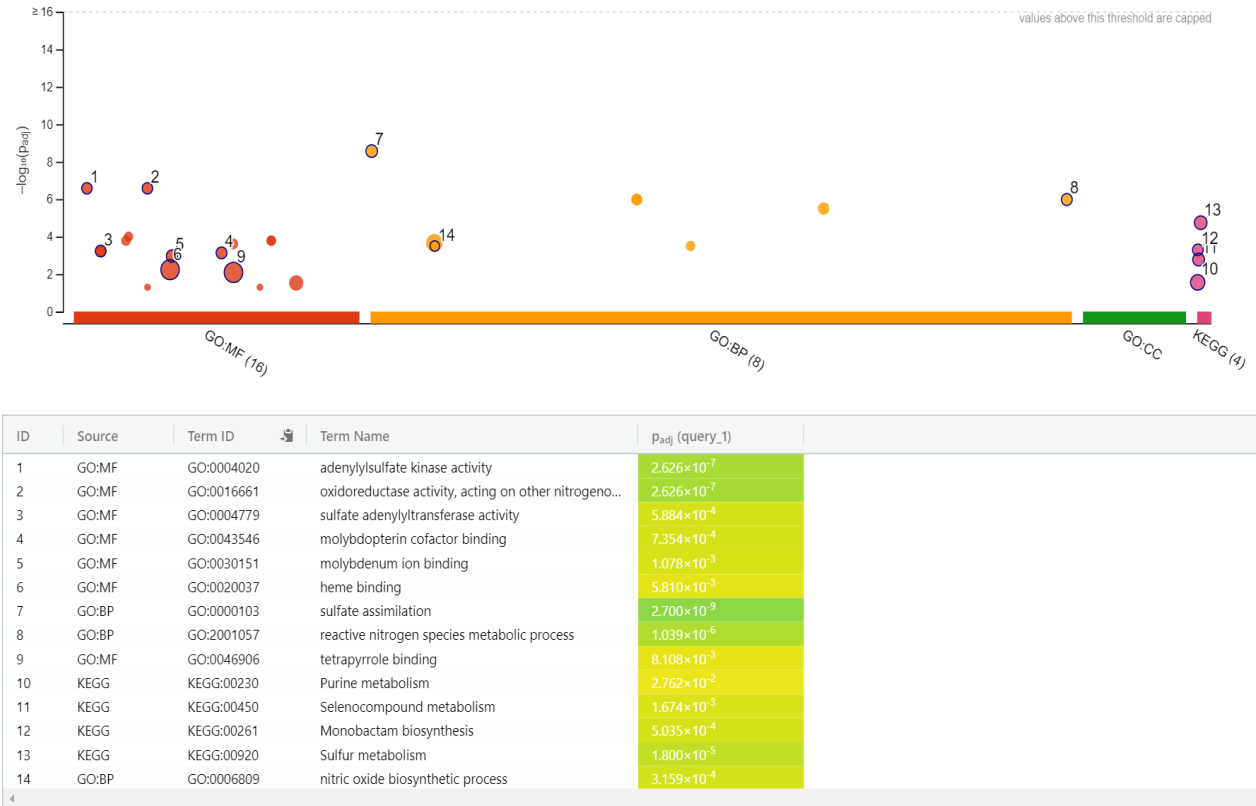


Enrichment analysis of gene from the network analysis

Enrichment analysis of hub genes of the abiotic DEGs

Supplementary Fig.

Cluster 1



version e110_eg57_p18_4b54a898
date 9/23/2023, 3:48:59 PM
organism zmays

g:Profiler

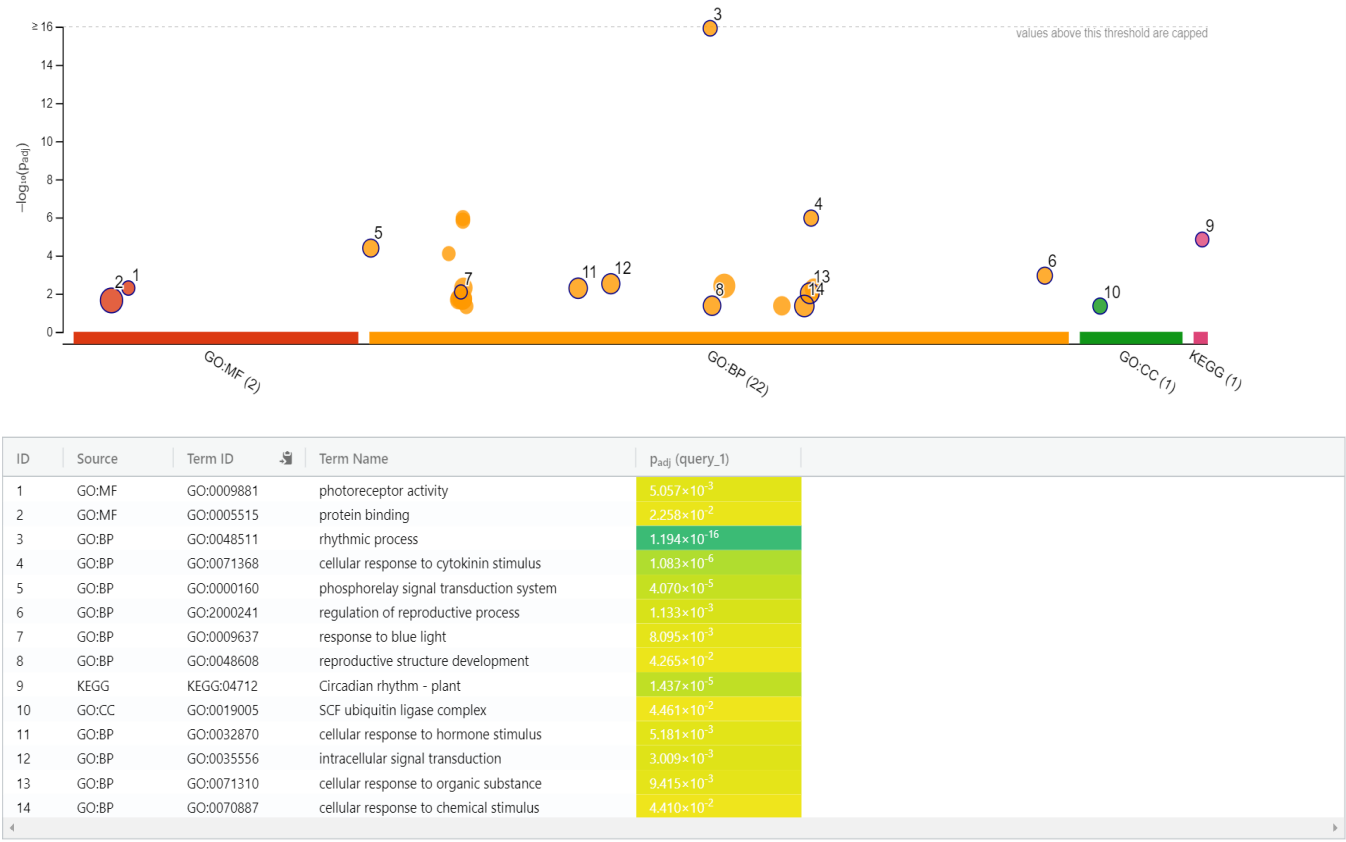
Supplementary Figure 1. Enrichment analysis of genes from cluster 1 of the abiotic DEGs. Cluster 1 comprised of nine genes

Cluster 2



Supplementary Figure 2. Enrichment analysis of genes from cluster 2 of the abiotic DEGs. Cluster 2 comprised of 15 genes

Cluster 3



version e110_eg57_p18_4b54a898
date 9/23/2023, 4:19:13 PM
organism zmays

g:Profiler

Supplementary Figure 3. Enrichment analysis of genes from cluster 3 of the abiotic DEGs. Cluster 3 comprised of 8 genes

Cluster 4



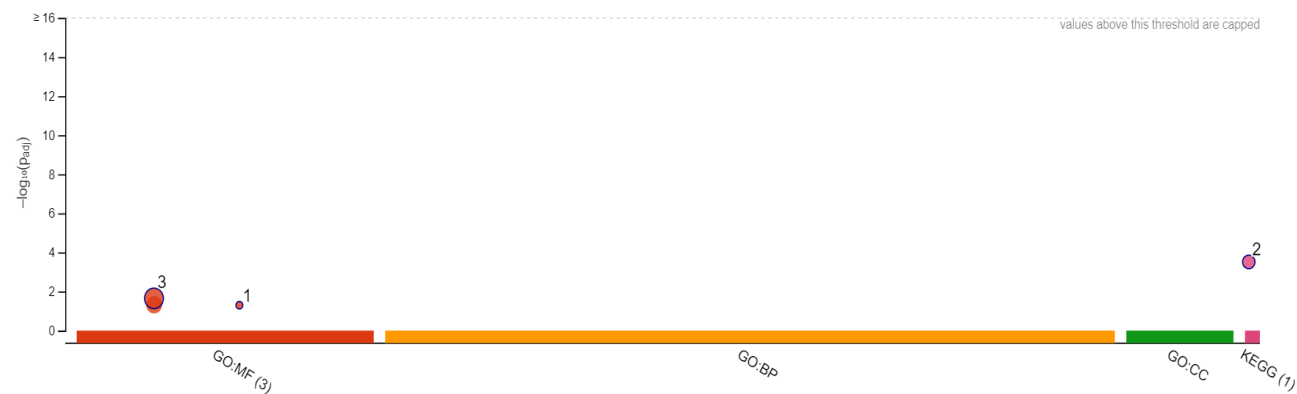
version e110_eg57_p18_4b54a898
date 9/23/2023, 4:25:41 PM
organism zmay

g:Profiler

Supplementary Figure 4. Enrichment analysis of genes from cluster 4 of the abiotic DEGs. Cluster 4 comprised of 7 genes

Enrichment analysis of hub genes of the biotic DEGs

Cluster 1



ID	Source	Term ID	Term Name	Padj (query_1)
1	GO:MF	GO:0045486	naringenin 3-dioxygenase activity	4.995×10^{-2}
2	KEGG	KEGG:00941	Flavonoid biosynthesis	3.065×10^{-4}
3	GO:MF	GO:0016705	oxidoreductase activity, acting on paired donors, ...	2.243×10^{-2}

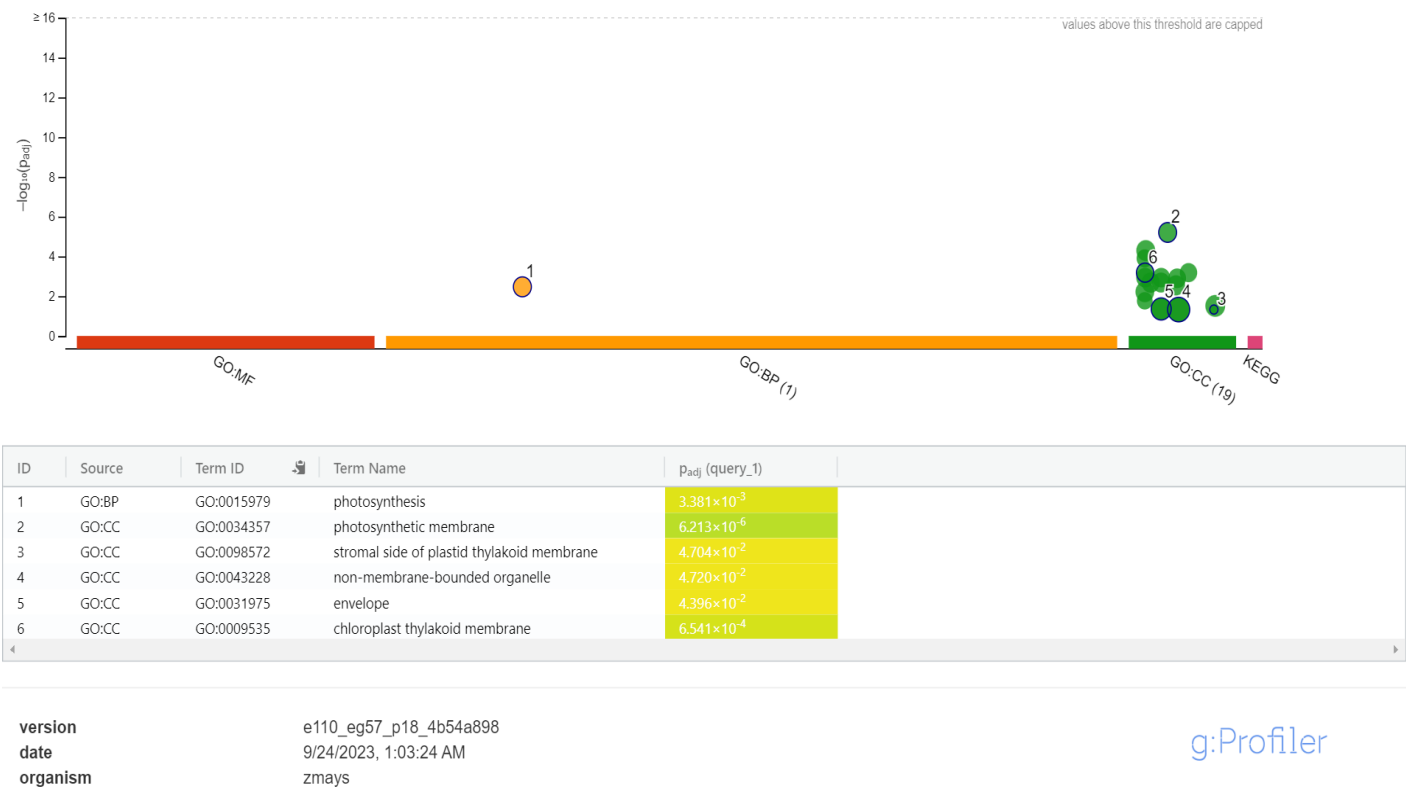
version e110_eg57_p18_4b54a898
date 9/24/2023, 12:59:38 AM
organism zmay

g:Profiler

Supplementary Figure 5. Enrichment analysis of genes from cluster 1 of the biotic DEGs. Cluster 1 of the network analysis of biotic DEGs comprised of 5 genes

Supplementary Fig. 6

Cluster 2



Supplementary Figure 6. Enrichment analysis of genes from cluster 2 of the biotic DEGs. Cluster 2 of the network analysis of biotic DEGs comprised of 4 genes

Cluster 3



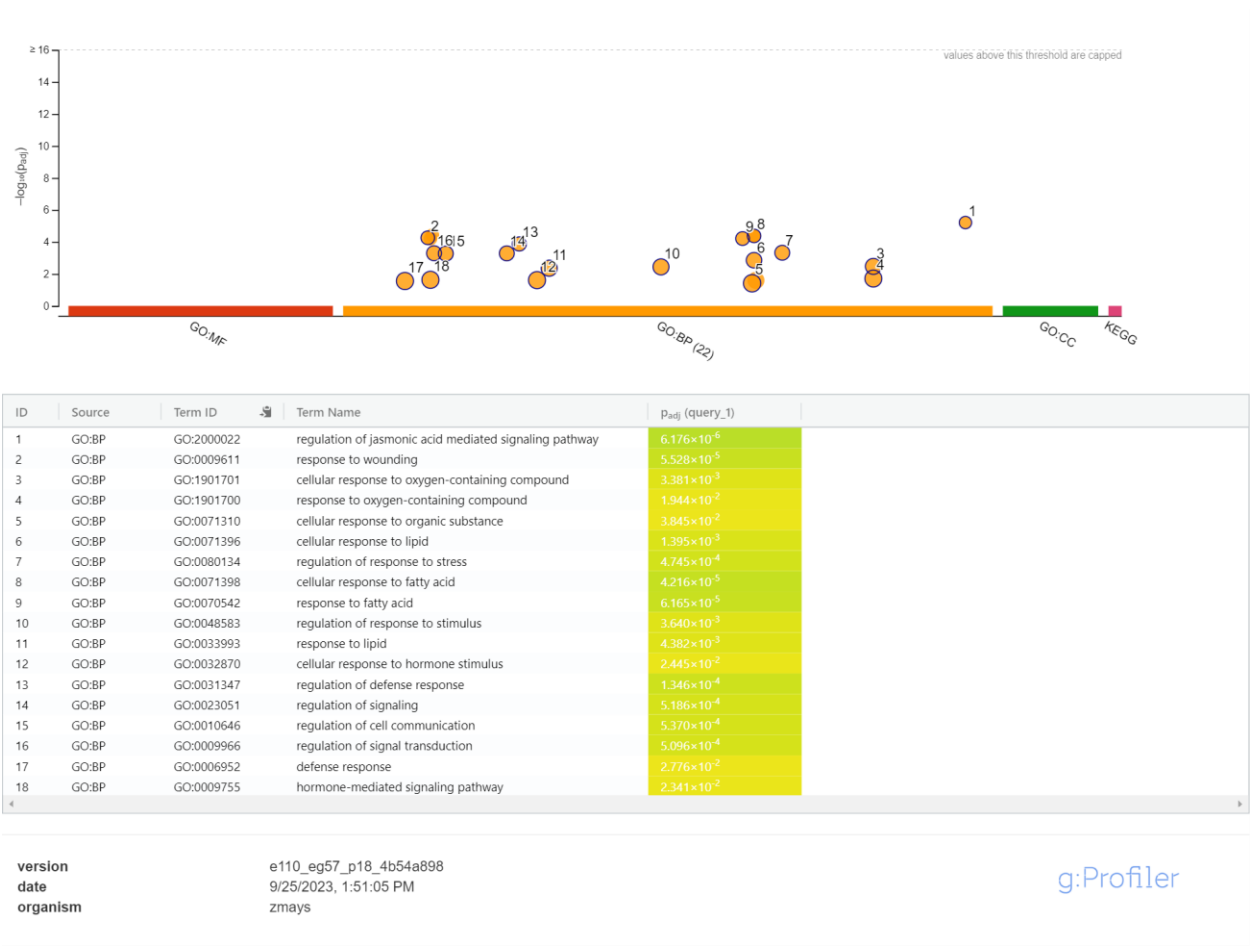
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date 9/24/2023, 1:06:08 AM
organism zmay

g:Profiler

Supplementary Figure 7. Enrichment analysis of genes from cluster 3 of the biotic DEGs. Cluster 3 of the network analysis of biotic DEGs comprised of 3 genes

Enrichment analysis of hub genes of the co-DEGs

Cluster 1



Supplementary Figure 8. Enrichment analysis of genes from cluster 1 of the co-DEGs. Cluster 1 of the network analysis of the co-DEGs comprised of 4 genes

Supplementary Fig. 9

Cluster 2



Supplementary Figure 9. Enrichment analysis of genes from cluster 2 of the co-DEGs. Cluster 2 of the network analysis of the co-DEGs comprised of 3 genes