



Figure S1. The GO enrichment analysis of DEGs between *MS* mutant and WT at 15 days after germination (DAG).

All significantly enriched GO terms (P value < 0.05) based on biological process, cellular component, and molecular function enriched from the DEGs between the *MS* mutant and WT at DAG15. Number of up- and down-regulated DEGs of enriched GO terms were shown. Complete data can be found in Table S2.

GO Enrichment BarPlot



Figure S2. The GO enrichment analysis of DEGs between *MS* mutant and WT at 20 days after germination (DAG).

All significantly enriched GO terms (P value < 0.05) based on biological process, cellular component, and molecular function enriched from the DEGs between the *MS* mutant and WT at DAG20. Number of up- and down-regulated DEGs of enriched GO terms were shown. Complete data can be found in Table S2.

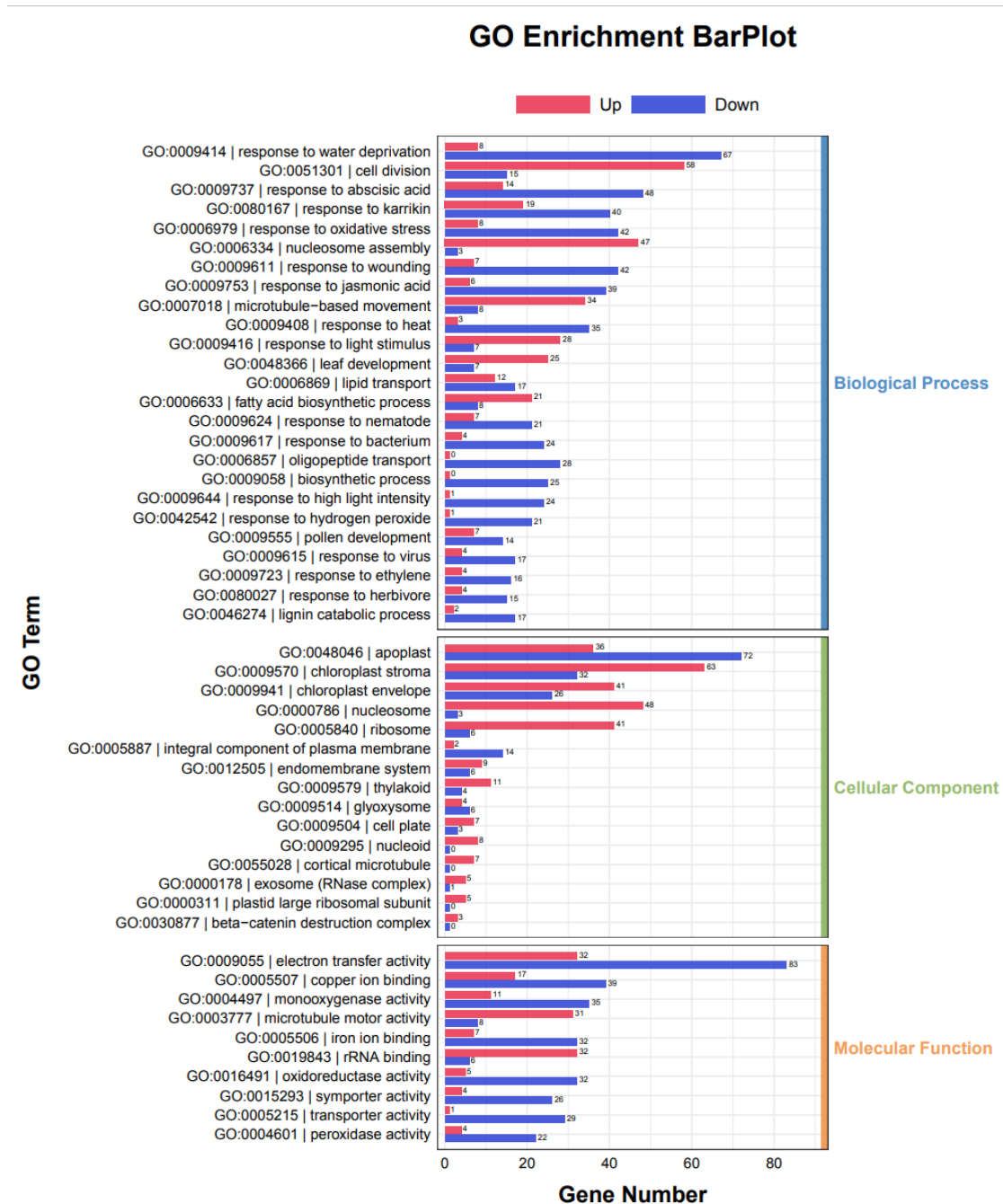


Figure S3. The GO enrichment analysis of DEGs between *MS* mutant and WT at 25 days after germination (DAG).

All significantly enriched GO terms (P value < 0.05) based on biological process, cellular component, and molecular function enriched from the DEGs between the *MS* mutant and WT at DAG25. Number of up- and down-regulated DEGs of enriched GO terms were shown. Complete data can be found in Table S2.

GO Enrichment BarPlot

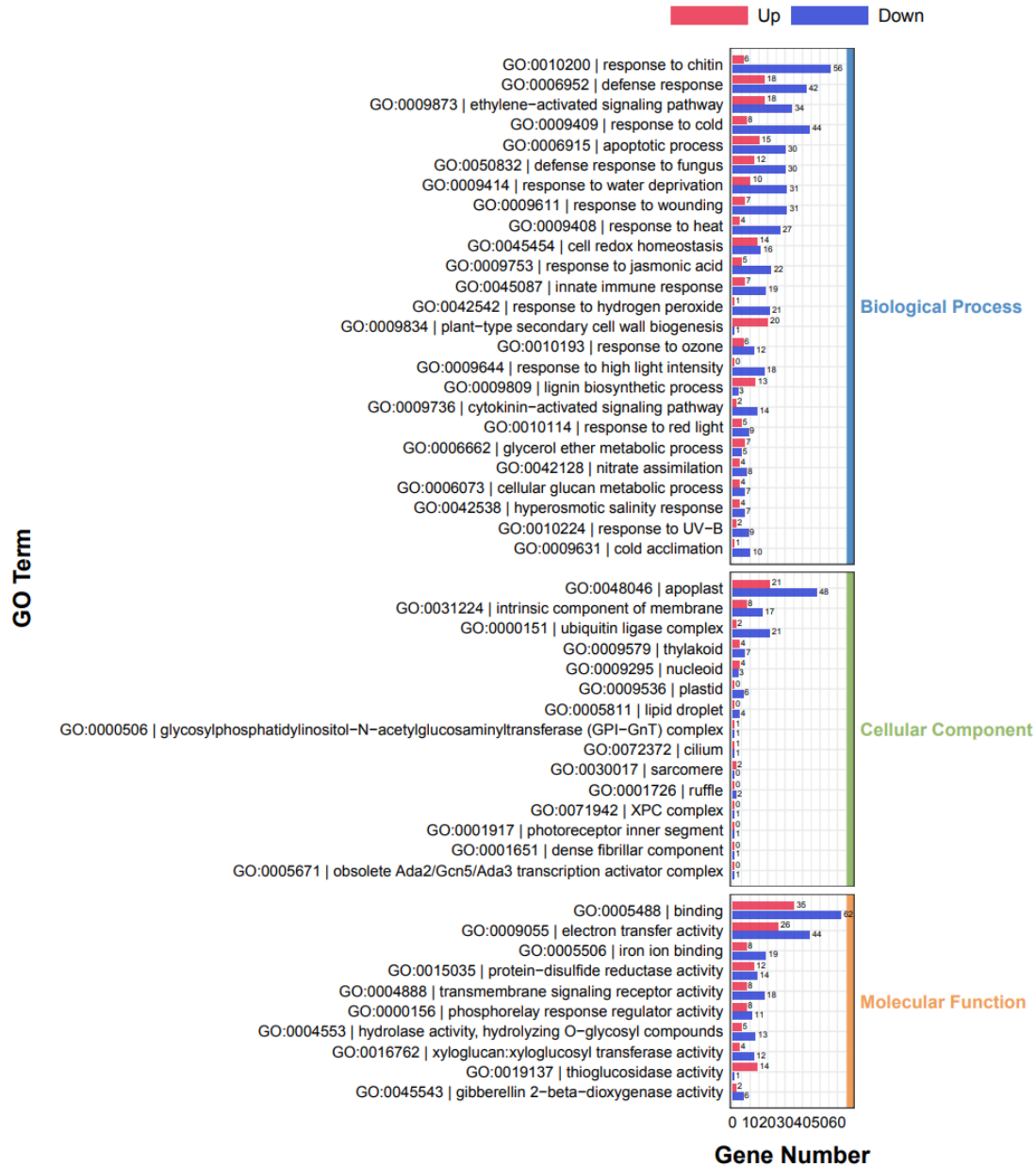


Figure S4. The GO enrichment analysis of DEGs between *MS* mutant and WT at 30 days after germination (DAG).

All significantly enriched GO terms (P value < 0.05) based on biological process, cellular component, and molecular function enriched from the DEGs between the *MS* mutant and WT at DAG30. Number of up- and down-regulated DEGs of enriched GO terms were shown. Complete data can be found in Table S2.



Figure S5. The GO enrichment analysis of DEGs between *MS* mutant and WT at 35 days after germination (DAG).

All significantly enriched GO terms (P value < 0.05) based on biological process, cellular component, and molecular function enriched from the DEGs between the *MS* mutant and WT at DAG35. Number of up- and down-regulated DEGs of enriched GO terms were shown. Complete data can be found in Table S2.