

Figure S1. Analysis of *cis*-acting elements on *GhSDG59* gene promoter

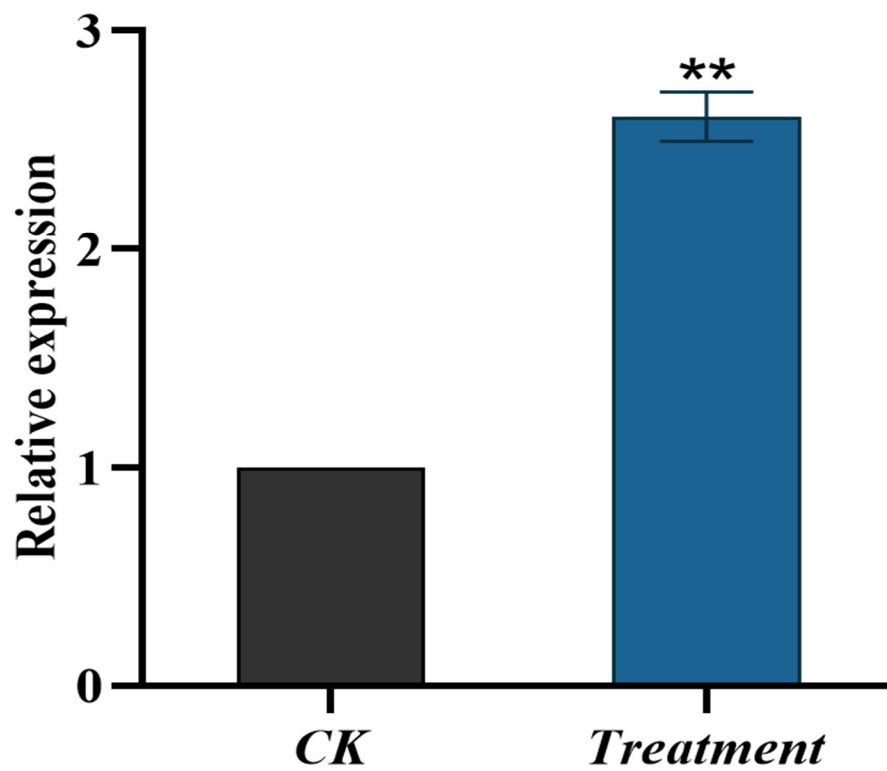


Figure S2. Expression analysis of the *GhSDG59* gene under normal watering and drought stress. The *GhHis3* as an internal reference gene for qPCR experiment. The error bar represents the standard deviation of three independent biological replicates. The asterisks indicate significant differences according to student's t-test. *, $p < 0.05$; **, $p < 0.01$

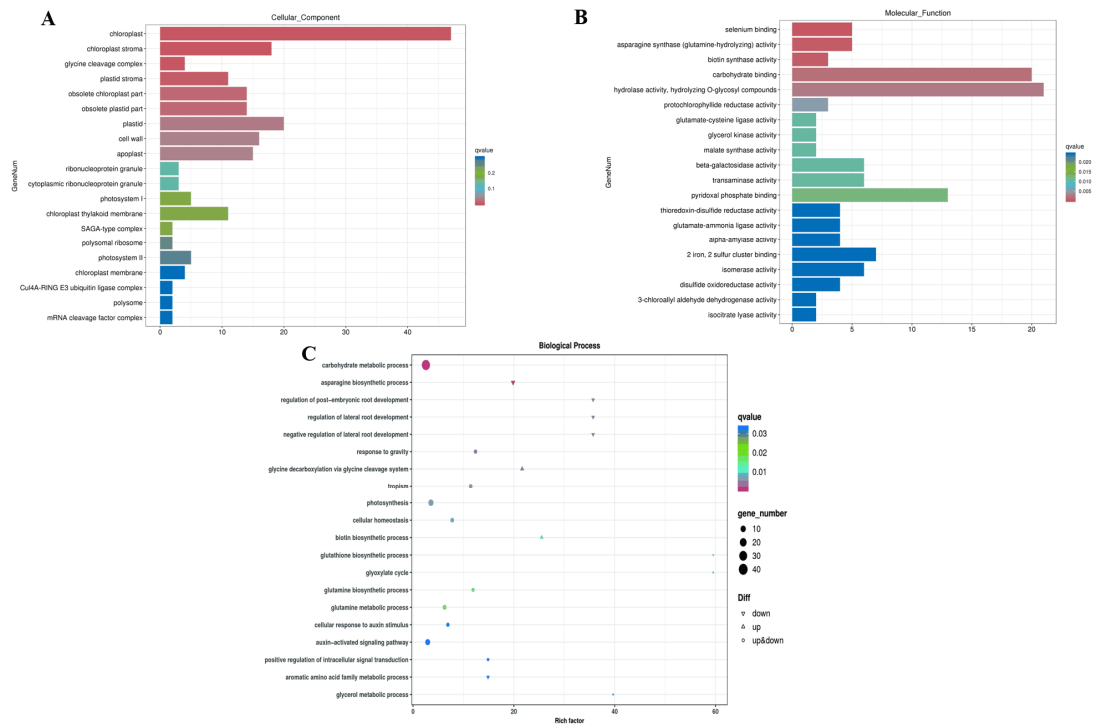


Figure S3. Gene Ontology annotation analysis of DEGs. **(A)** DEGs are annotated to cellular components. The histogram shows the number of genes for each category. **(B)** DEGs are annotated to molecular functions. The histogram shows the number of genes for each category. **(C)** DEGs are annotated to biological processes. The histogram shows the number of genes for each category.

