Supplementary Data:

Table S1. Real-time fluorescence quantitative PCR primer sequence information.

Primer name	Sequence (5′-3′)	Tm [°C)	GC (%)
Gohir.D07G214800.v2.1-F	CGTGCGTGGGGCTCTATTAT	59.97	55.00
Gohir.D07G214800.v2.1-R	CGGTATGATCGGACTGGTGG	59.97	60.00
Gohir.A04G039105.v2.1-F	CGACTAGTTCCGGGTTCGAG	59.90	60.00
Gohir.A04G039105.v2.1-R	CCATAGGCTTTCGCTTTCGC	59.97	55.00
Gohir.D13G003200.v2.1-F	CACTTGGCAGGGCATCTAA	60.03	55.00
Gohir.D13G003200.v2.1-R	CCGTTTCTTGGGGTCTCGAA	59.97	55.00
Gohir.D12G233800.1.v2.1-F	GGCCAGATCCACCATAGCTC	59.96	60.00
Gohir.D12G233800.1.v2.1-R	CACCGCTCATAACAATGCGG	59.97	55.00
18S rRNA-F	CGGCTACCACATCCAAGGAA	59.75	55.00
18S rRNA-R	TGTCACTACCTCCCCGTGTCA	62.56	57.14

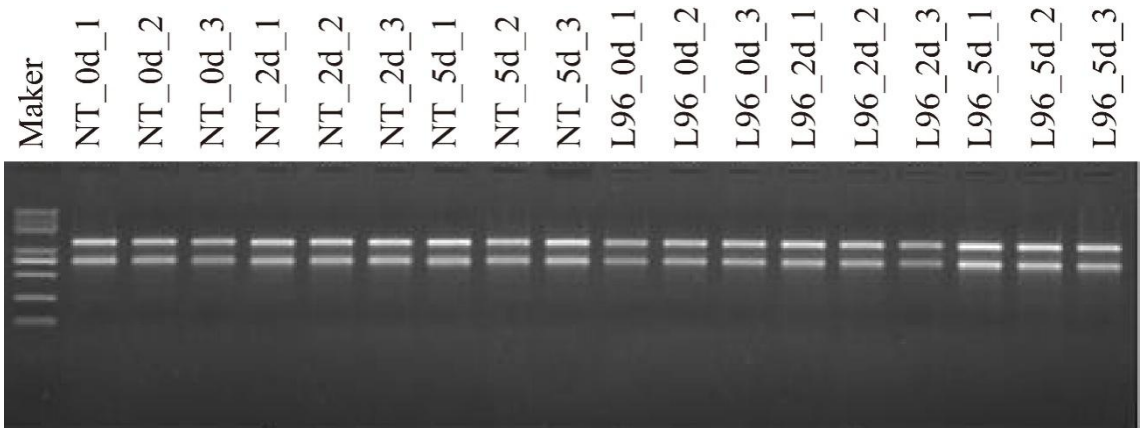

Figure S1. Transcriptome sequencing RNA integrity assay.

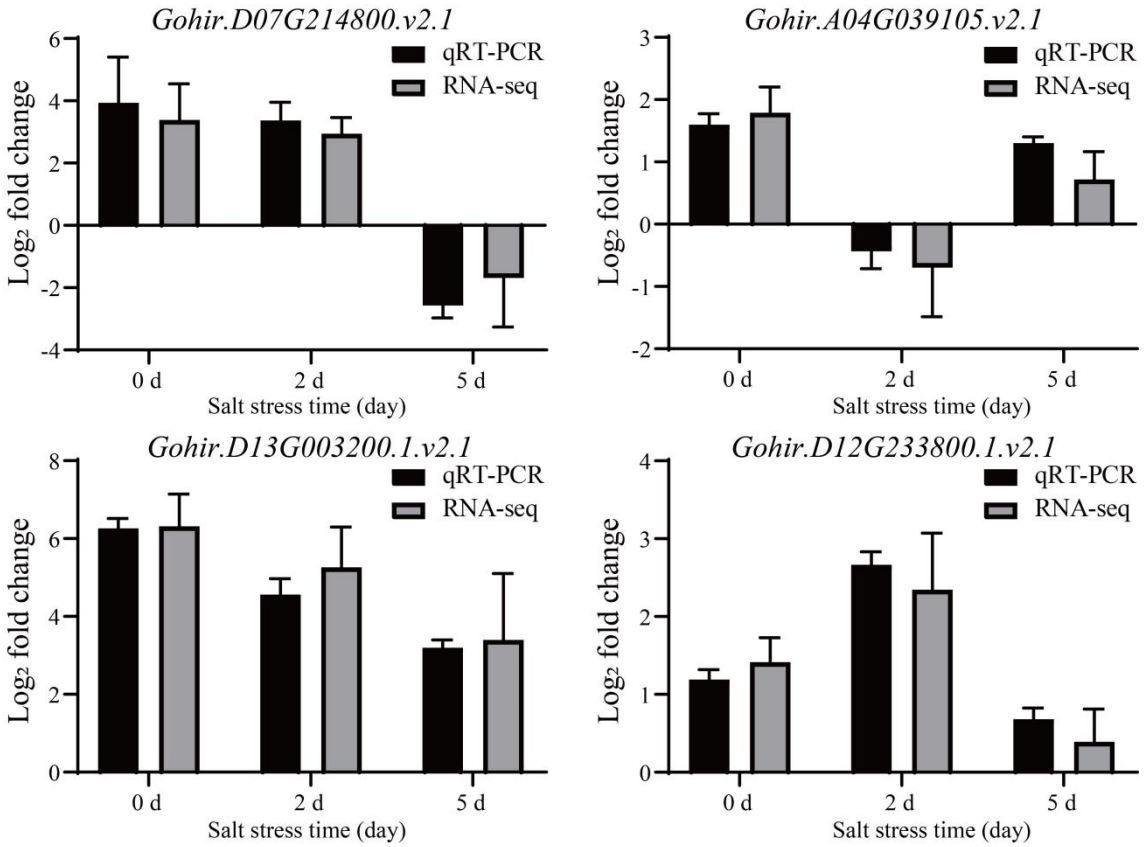

Figure S2. Validation of NT and L96 transcriptome under salt stress. The transcriptome data was log_2 fold change using FPKM, real-time fluorescence quantitative PCR gene expression data were shown as the mean ± SD, n=3.

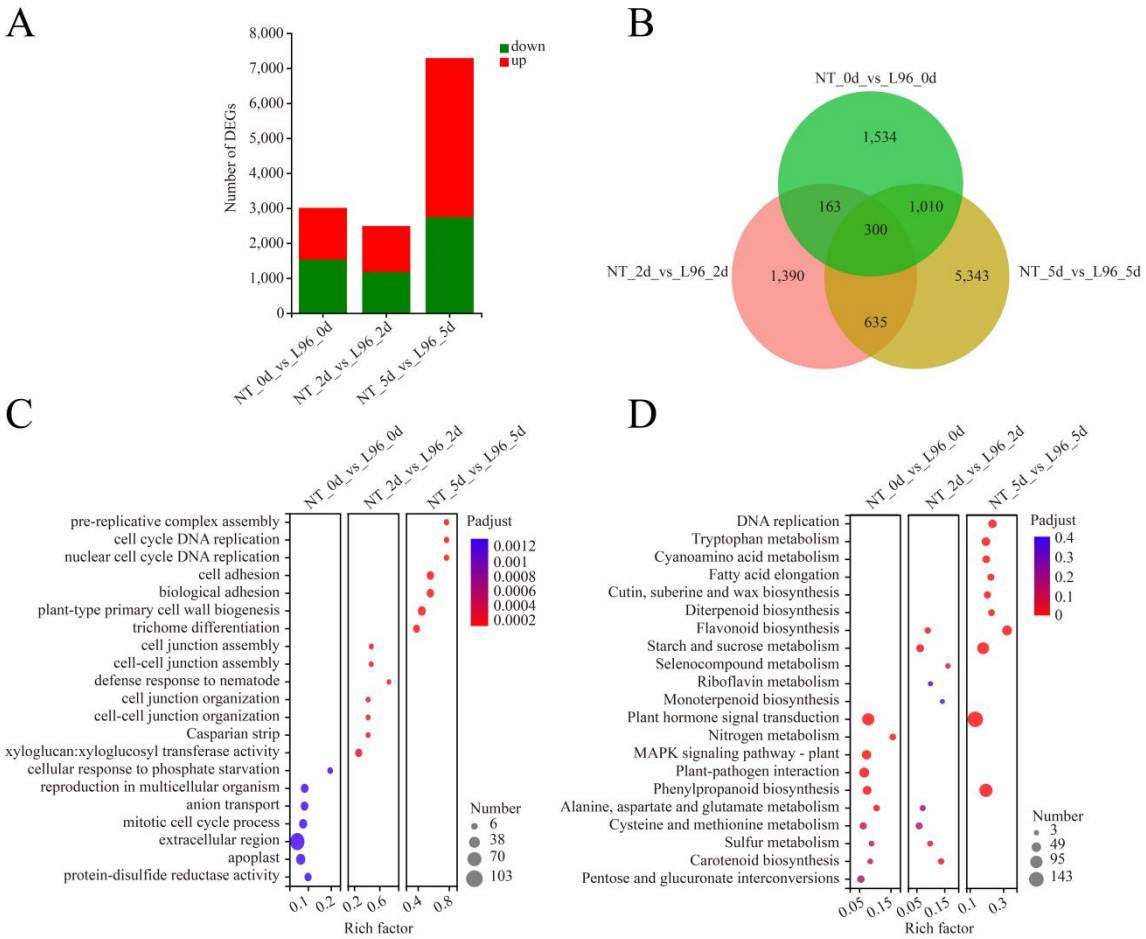

Figure S3. NT and L96 differential gene enrichment analysis. (**A**) Differential expression analysis of samples under salt stress. (**B**) Venn analysis of DEGs. (**C**) GO enrichment analysis of DEGs. (**D**) KEGG enrichment analysis of DEGs.

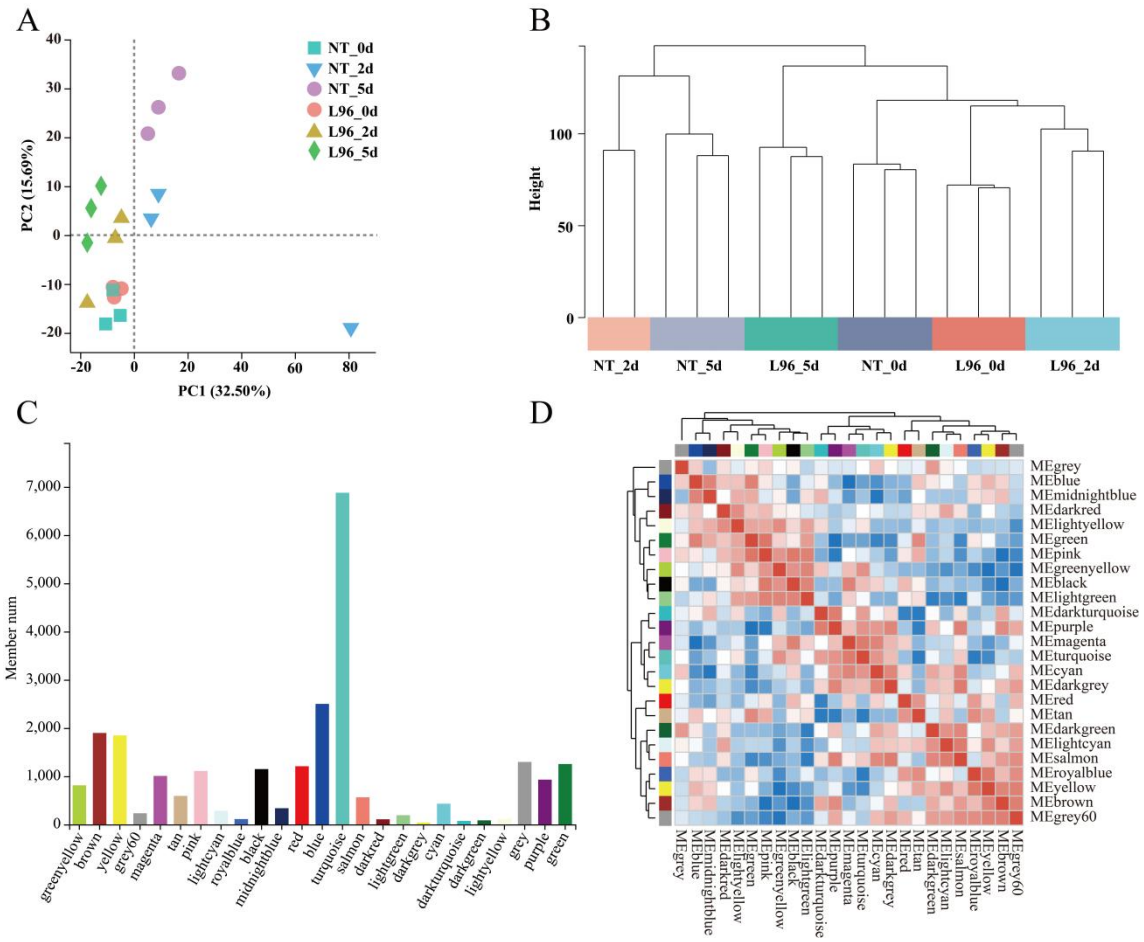

Figure S4. NT and L96 salt stress transcriptome WGCNA analysis. (**A**) Sample PCA analysis. (**B**) Sample clustering analysis. (**C**) WGCNA module identification. (**D**) WGCNA module correlation analysis.

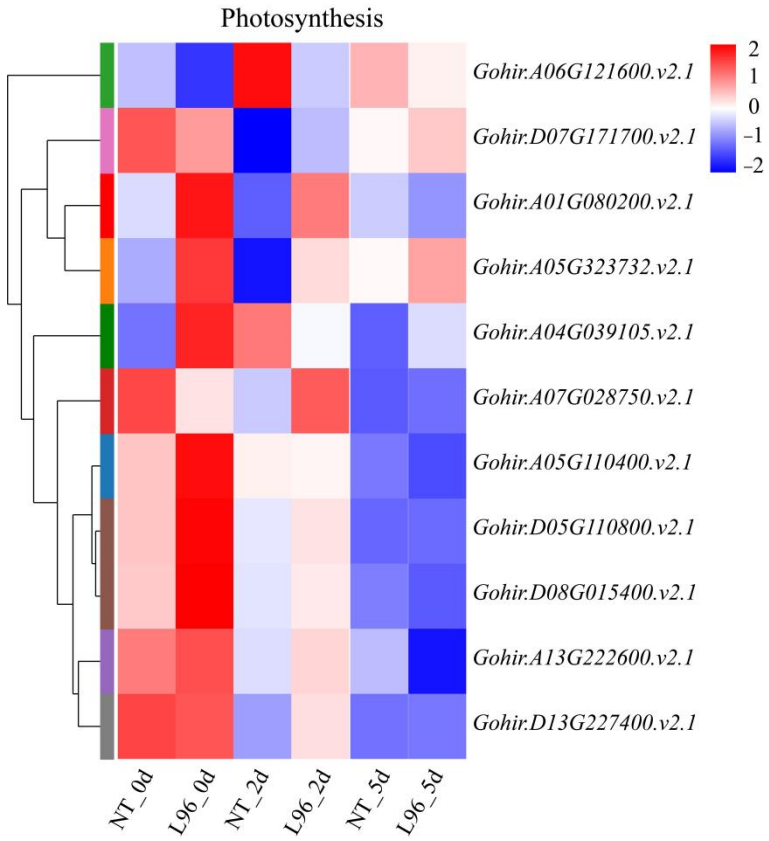

Figure S5. photosynthesis activated by L96 and NT under salt stress. Heatmap shows FPKM values in each treatment, normalized using z-score.

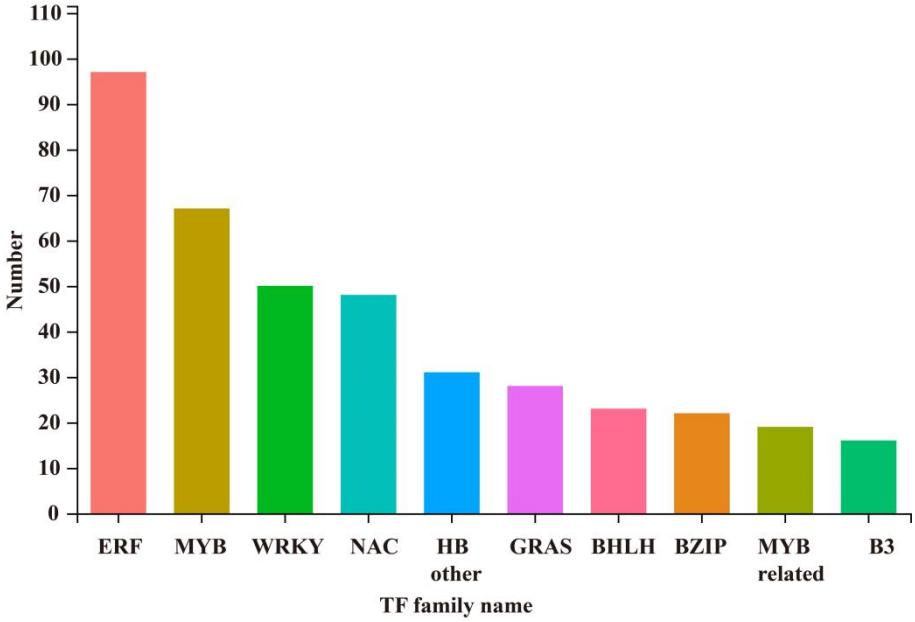

Figure S6. Statistics on the number of transcription factor families in WGCNA analysis.

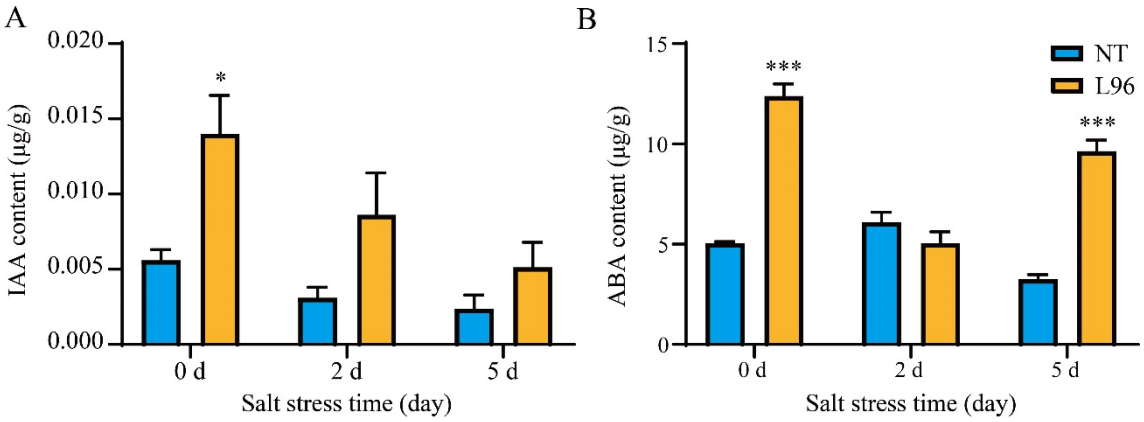

Figure S7. IAA and ABA content of NT and L96 plant under salt stress. Data represent the mean ± SD from three biological replicates. Significance was determined by the least significant difference, asterisks indicate statistically significant differences from NT (*P < 0.05, **P < 0.01, ***P < 0.001).