



Figure S1. Standardized metabolite abundance data. a. F11 vs S13K079. b. F11 and S15K058. c. GWAS-W42 and S13K079. d. GWAS-W42 and S15K058.

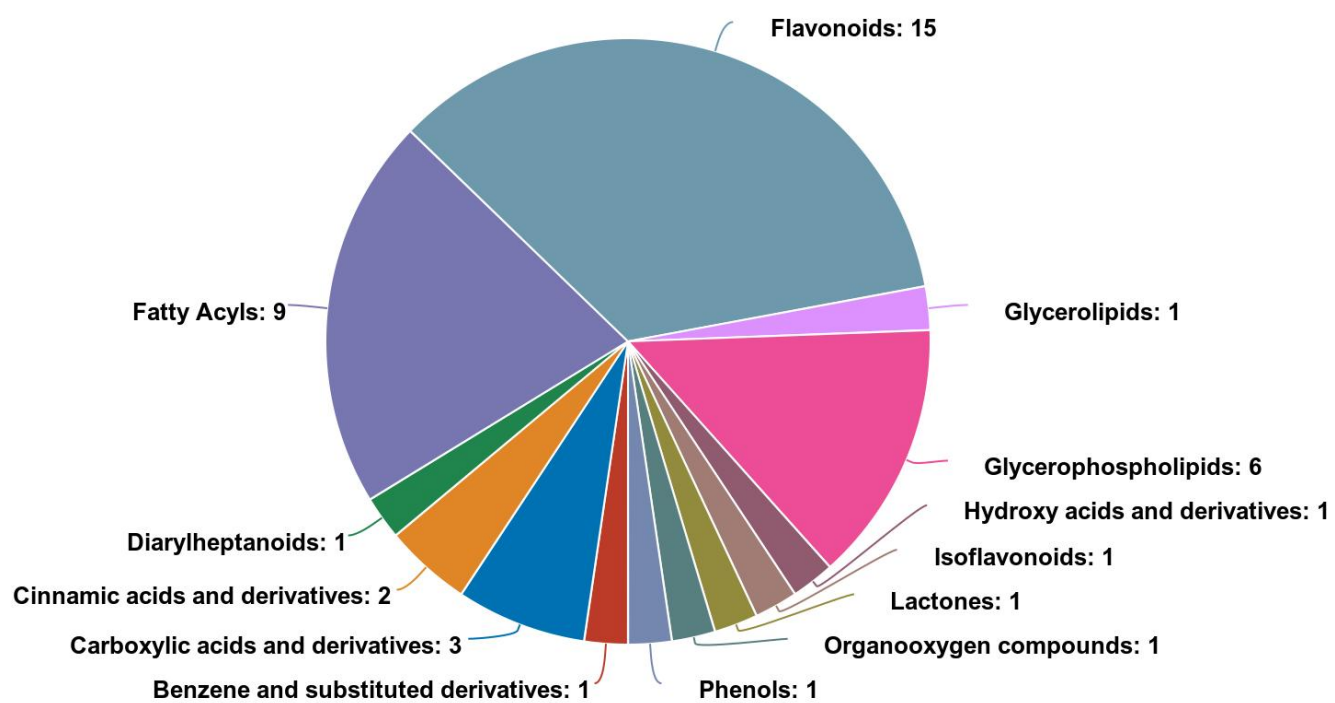


Figure S2. Category statistics of 43 differential metabolites

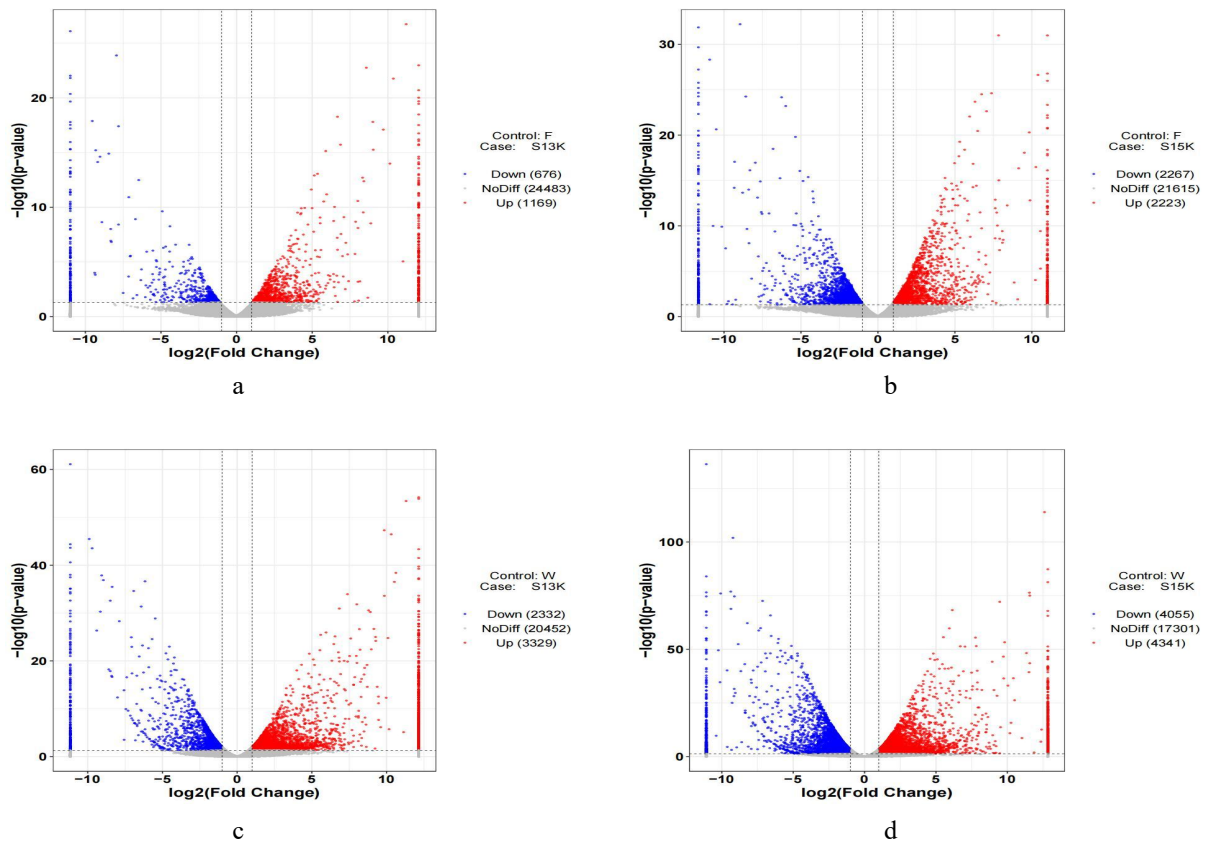


Figure S3. Volcano plot. a. F11 vs S13K079. b. F11 and S15K058. c. GWAS-W42 and S13K079. d. GWAS-W42 and S15K058.

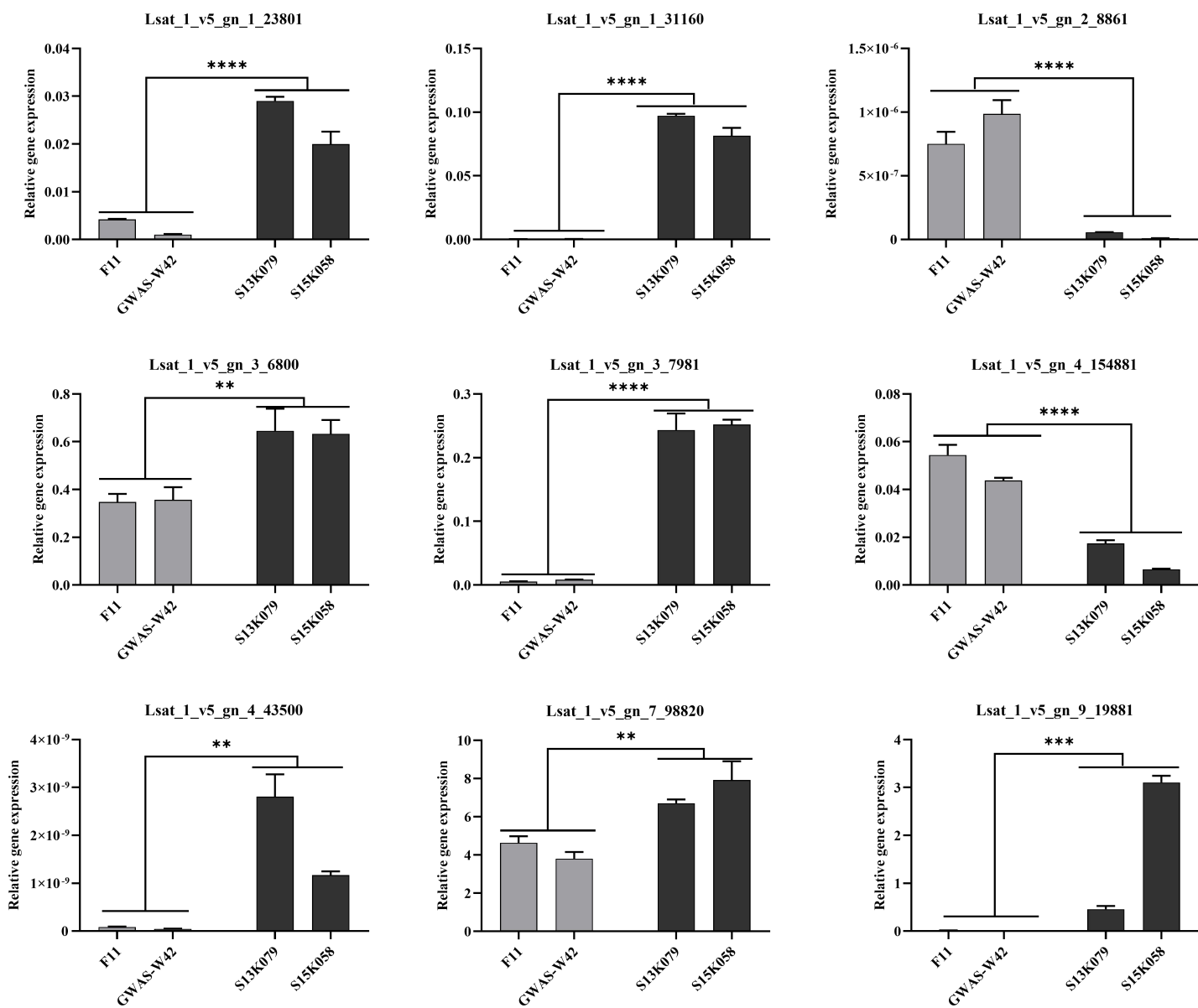


Figure S4. The expression levels of some differentially expressed genes in cold-tolerant varieties and cold-sensitive varieties

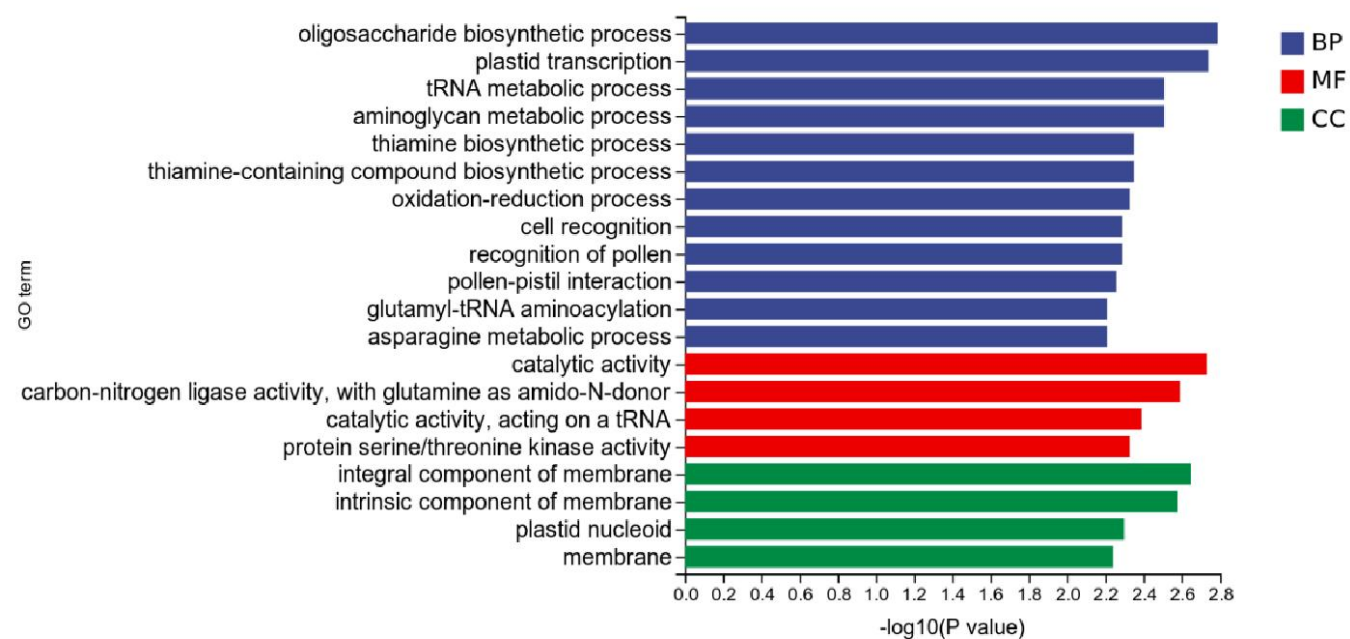


Figure S5. GO enrichment analysis of DEGs involved in cold tolerance

Module-trait relationships

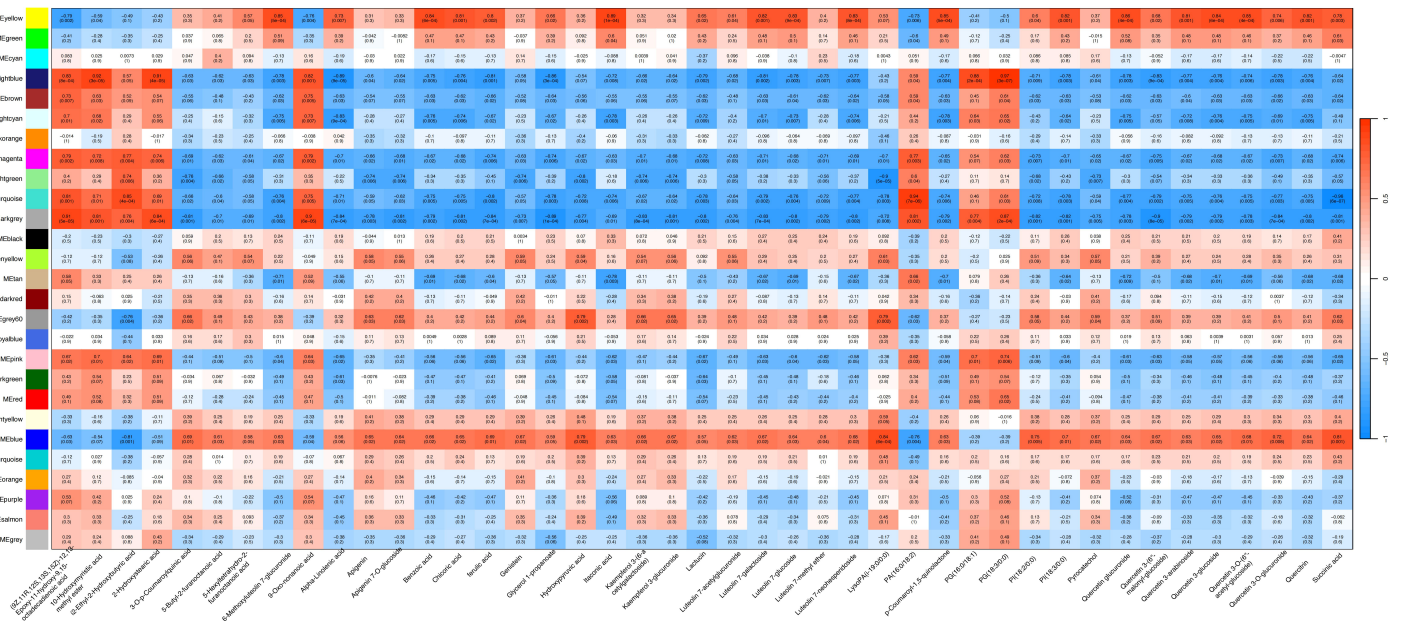


Figure S6. Partitioning Differential Genes into 27 Gene Modules Using WGCNA

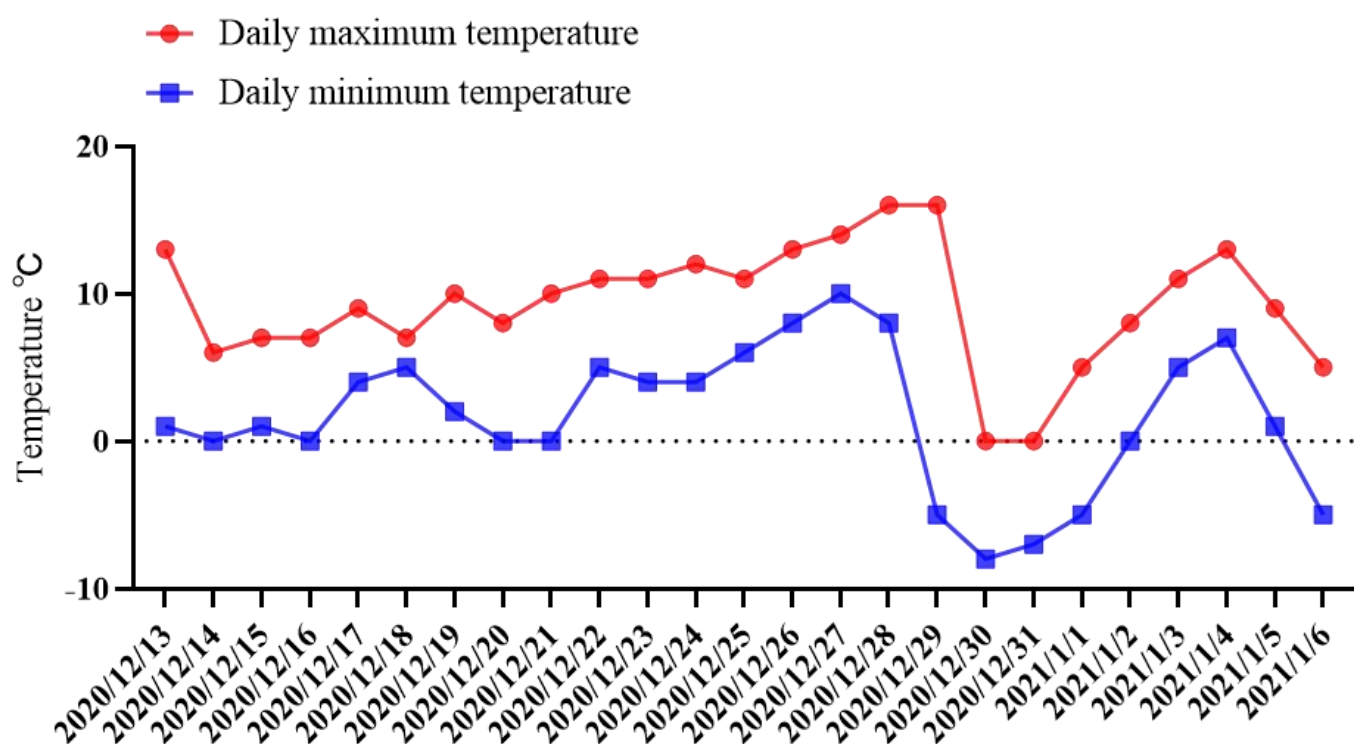


Figure S7. Temperature statistics of Fengxian District Zhuanghang Town before and after cold injury investigation