

Figure S1. Thermogenesis pattern of *N. nucifera* receptacles at five developmental stages. The y-axis represents the difference between the receptacle temperature (Tr) and the ambient temperature (Ta). The error bars indicate the standard deviation of five replicates. Asterisks indicate a significant difference as determined by one-way ANOVA using stage 1 as a control (* $p < 0.05$; ** $p < 0.01$).

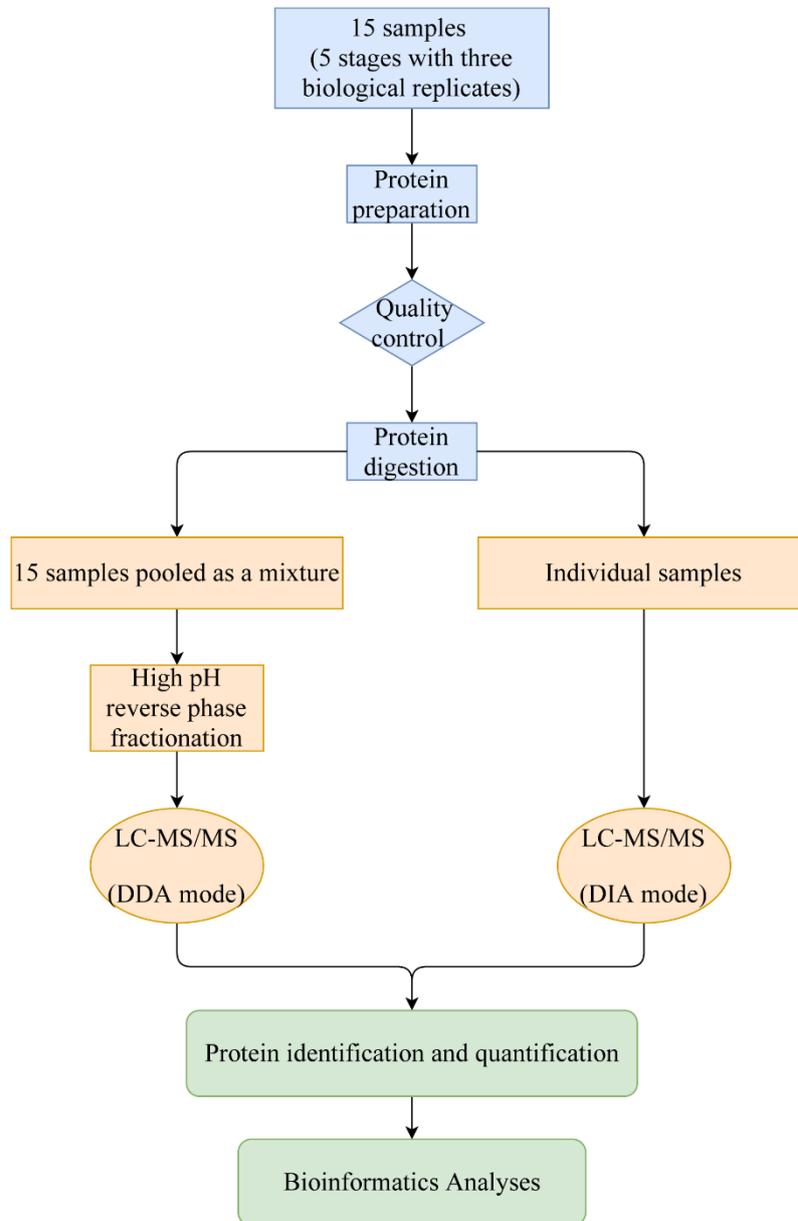


Figure S2. The experimental strategy of DIA-based mass spectrometry identification technology in the present study.

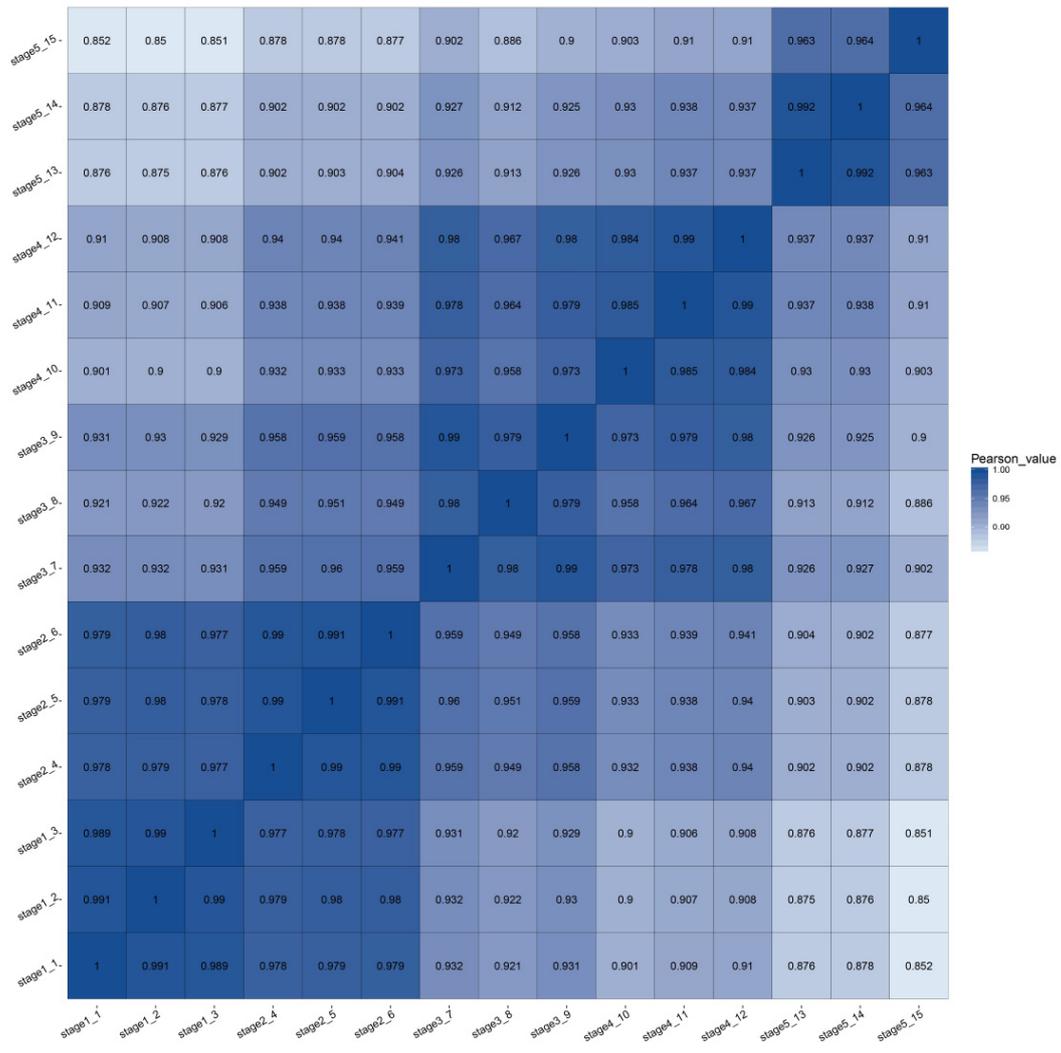


Figure S3. Heatmap of Pearson correlation between samples.

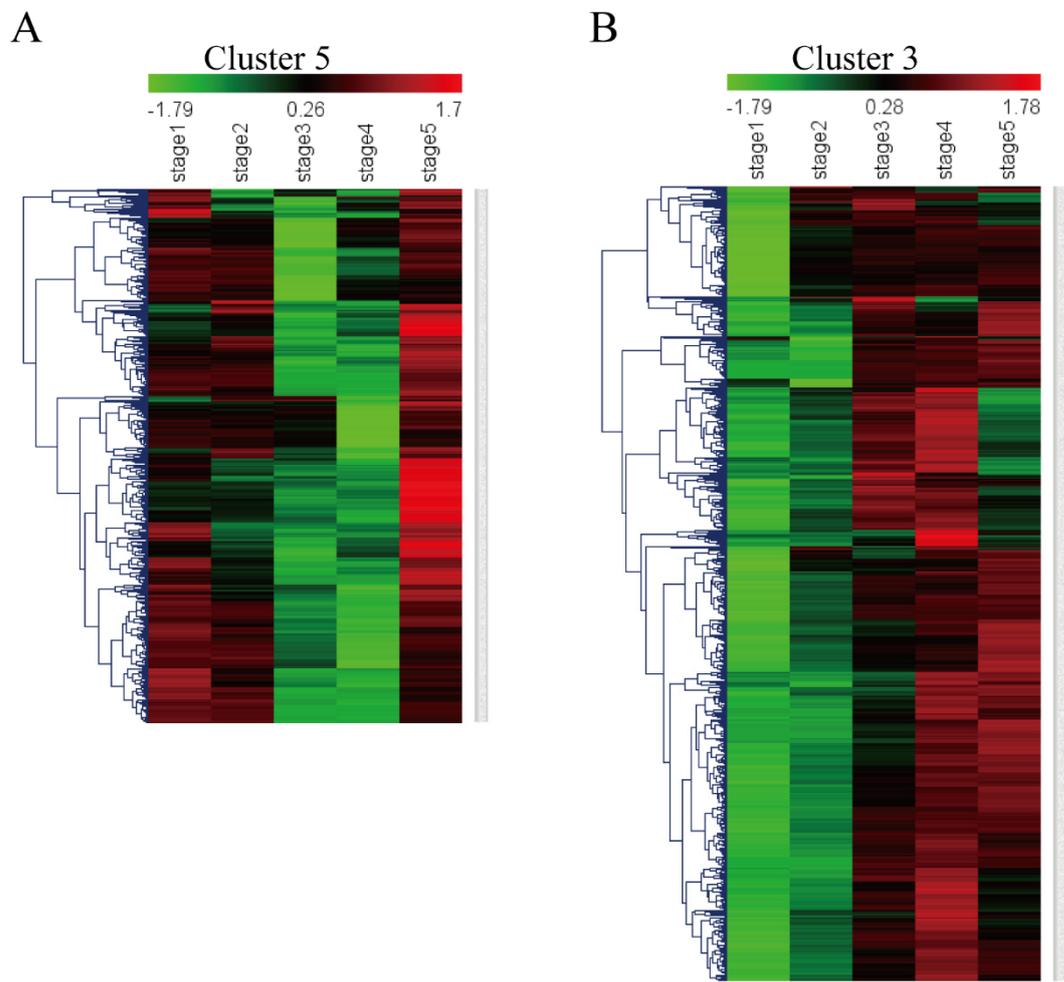
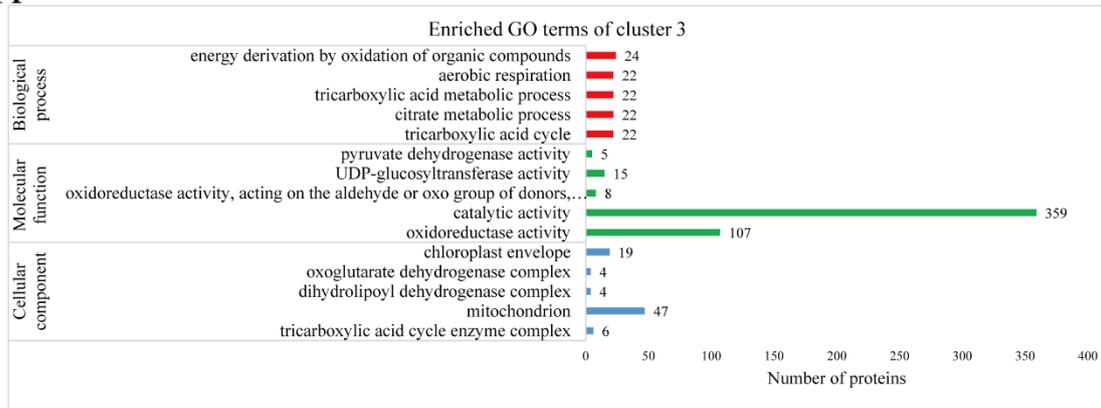


Figure S4. Heatmap of the abundance of proteins in cluster 5 (A) and cluster 3 (B).

A



B

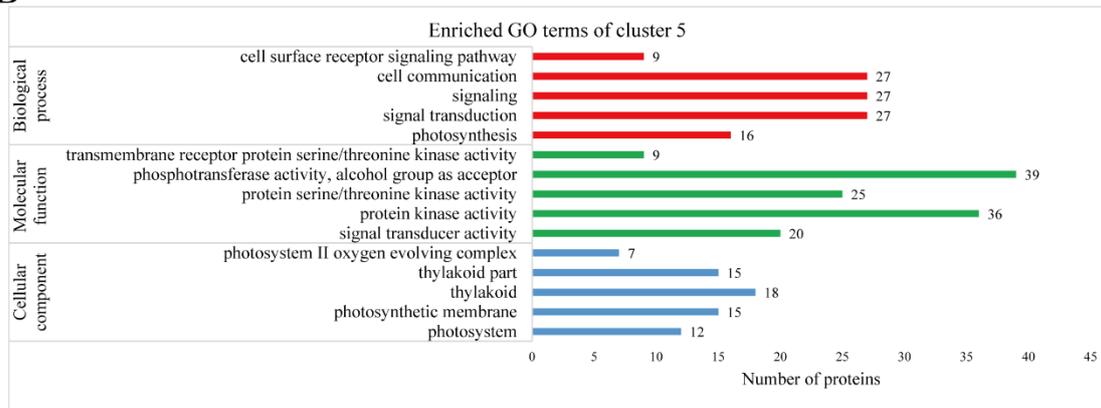


Figure S5. Top five enriched GO terms of cluster 3 (A) and cluster 5 (B). The abscissa represents the number of proteins in each GO term, and the ordinate represents the GO terms of three categories.

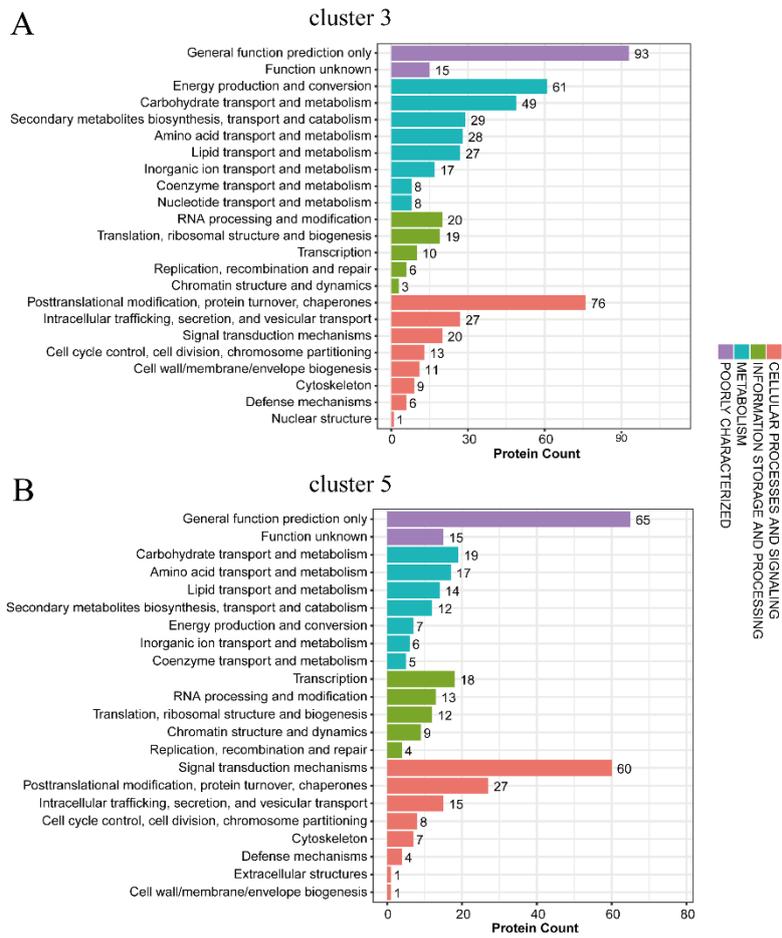


Figure S6. KOG annotation of the proteins in clusters 3 and 5.

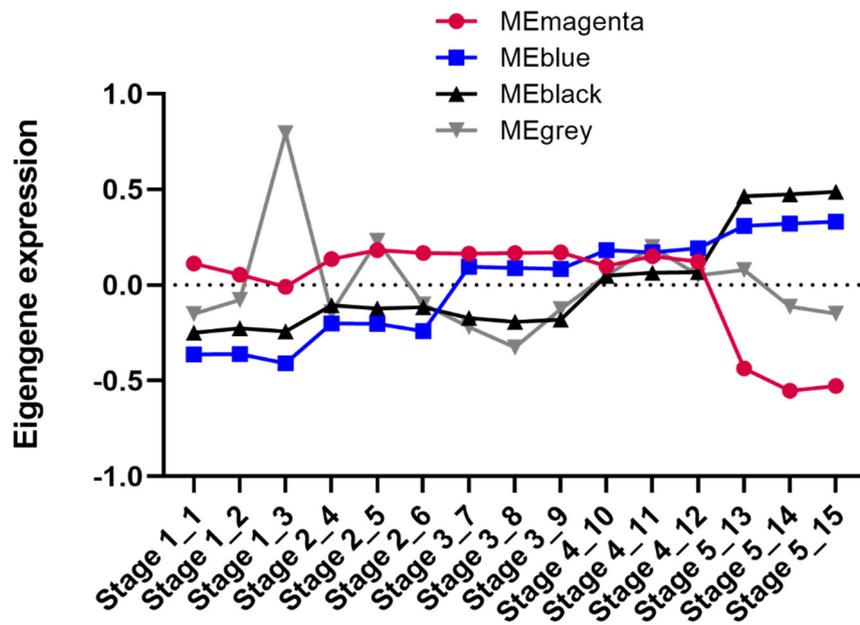
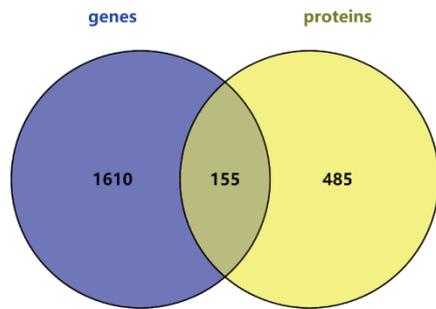


Figure S7. Temporal expression patterns of 'magenta', 'blue', 'black', and 'grey' modules.

A



B

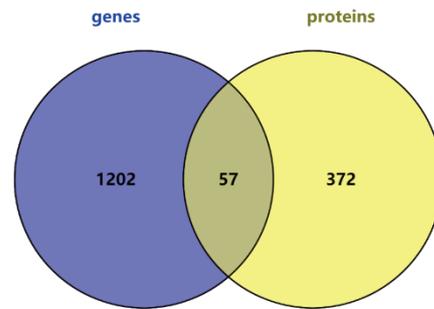


Figure S8. Omics correlation between transcriptome and proteome data. (A) DEGs/DAPs that were highly abundant during thermogenesis. (B) DEGs/DAPs that were low-abundant during thermogenesis.