

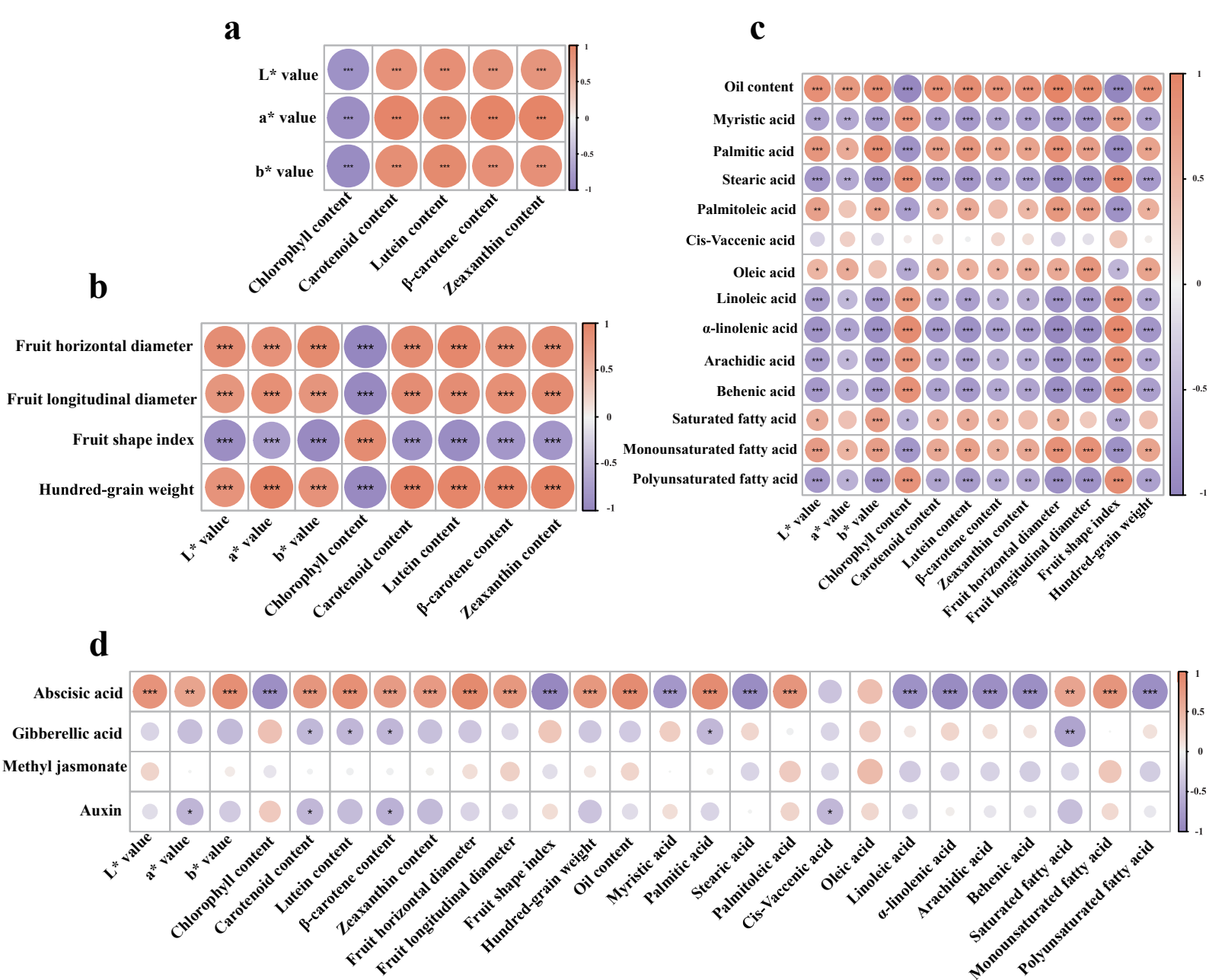


Figure S1. Correlation analysis of sea buckthorn fruit traits. (a) Analysis of the correlation between fruit color parameters and carotenoids and chlorophyll. (b) Correlation analysis of fruit phenotype with color parameters, carotenoids, and chlorophyll. (c) Analysis of the correlation between fatty acids and fruit phenotype, color parameters, carotenoids, and chlorophyll. (d) Correlation analysis of endogenous hormones with fruit phenotype, color parameters, carotenoids, chlorophyll, and fatty acids. The shade of color represents the magnitude of the correlation coefficient. The size of the circle represents the strength of the correlation. * $p < 0.05$, significant correlation; ** $p < 0.01$, highly significant correlation; *** $p < 0.001$, extremely significant correlation.

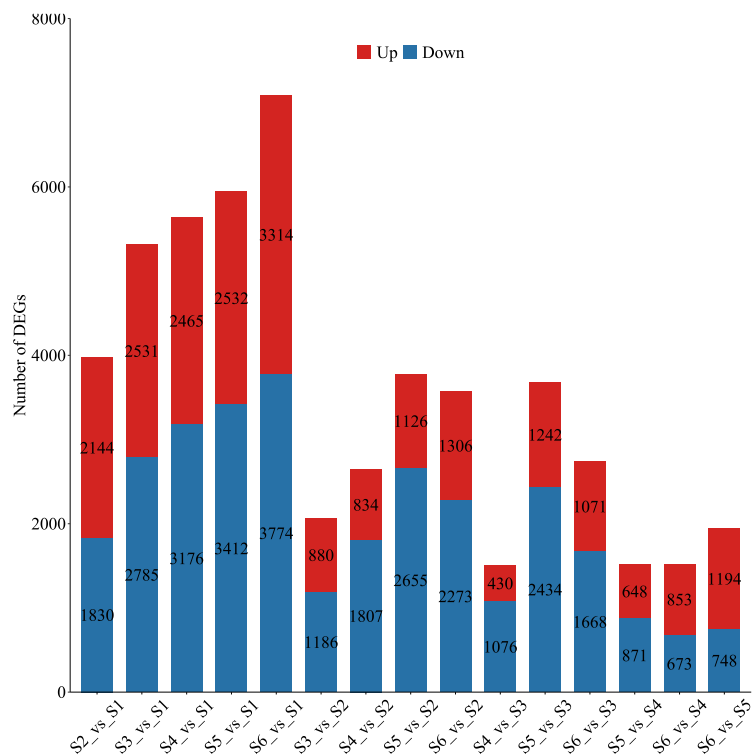
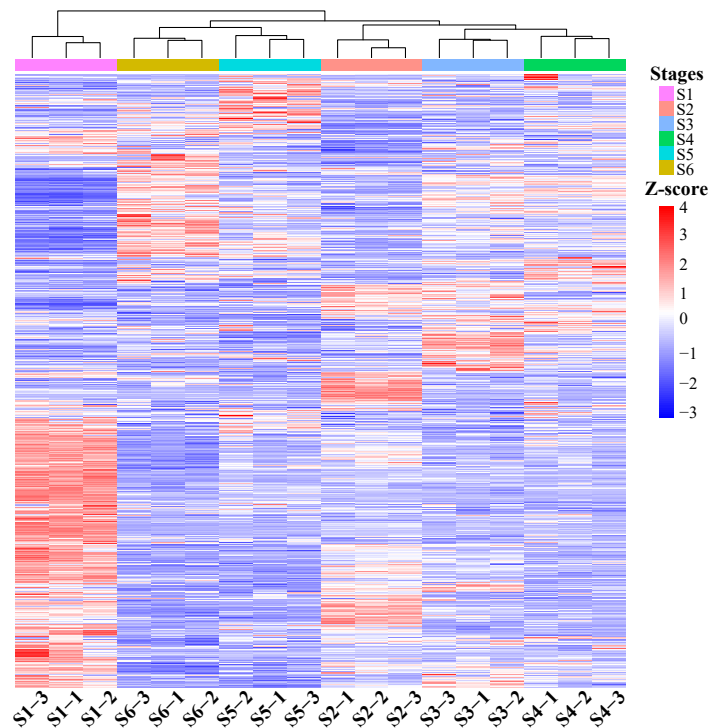
a**b**

Figure S2. Number of DEGs across all different stages and heatmap of DEG clusters. (a) Number of DEGs across all different stages. (b) Heatmap of DEG clusters.

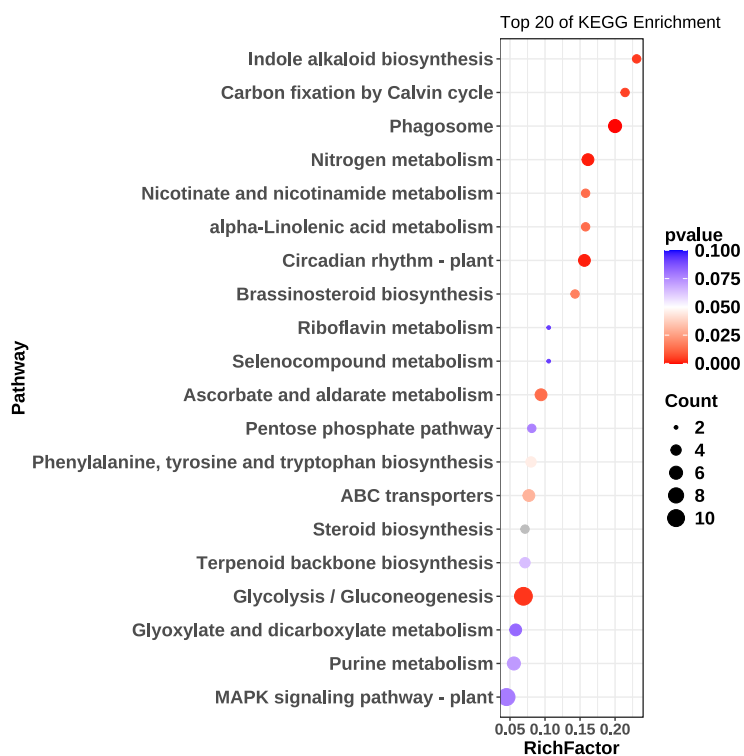
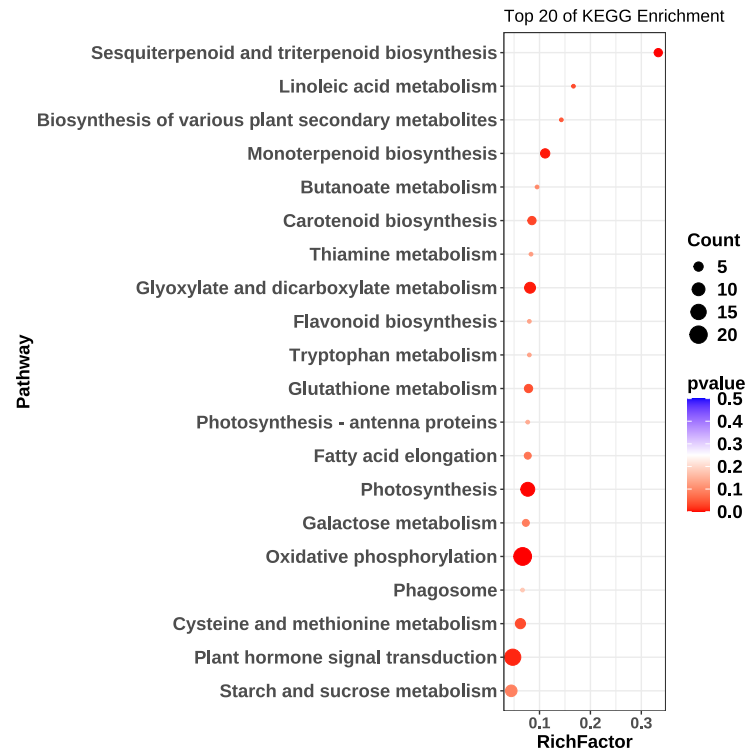
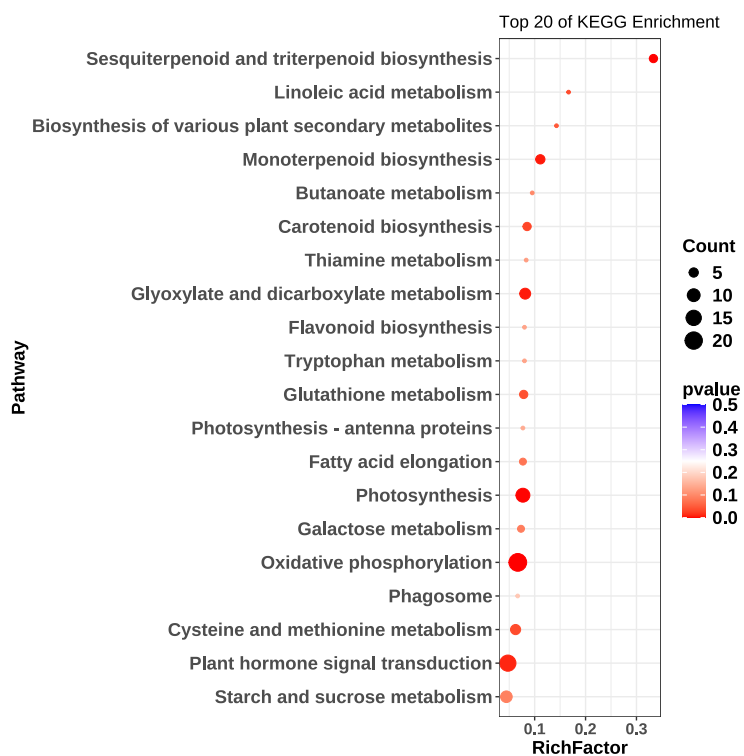
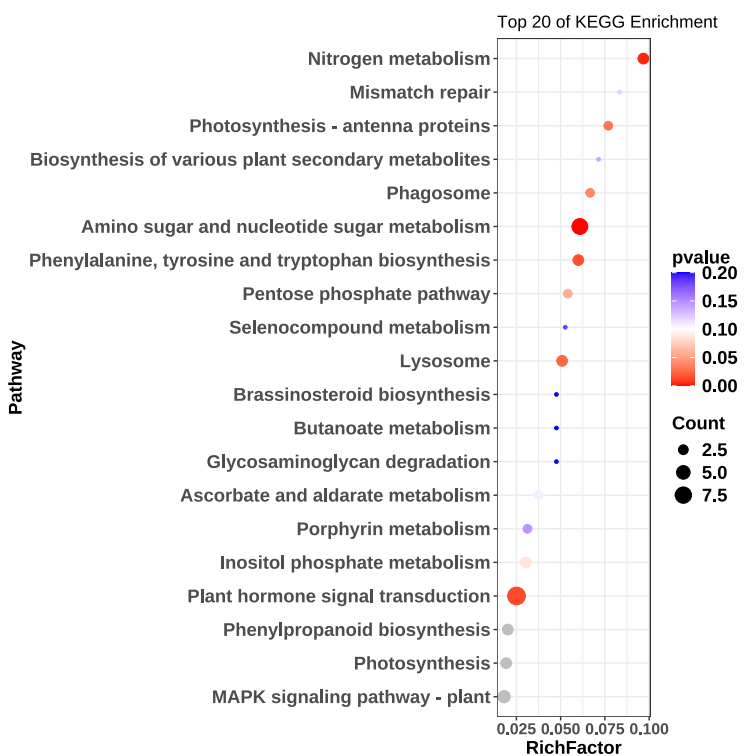
a**b****c****d**

Figure S3. The KEGG enrichment analysis of DEGs in yellow, turquoise, blue and black modules. (a) Yellow, (b) Turquoise, (c) Blue, (d) Black.