

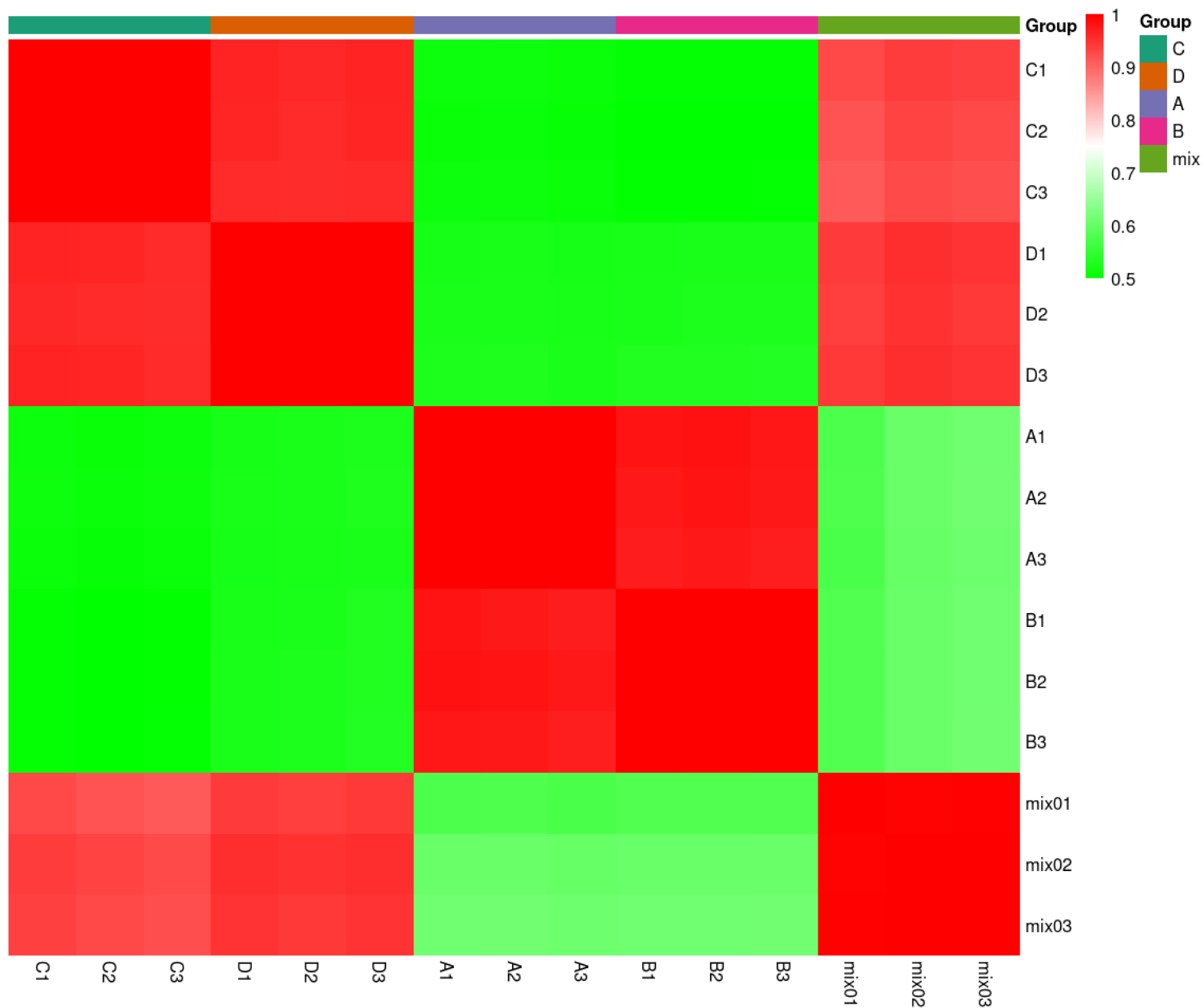
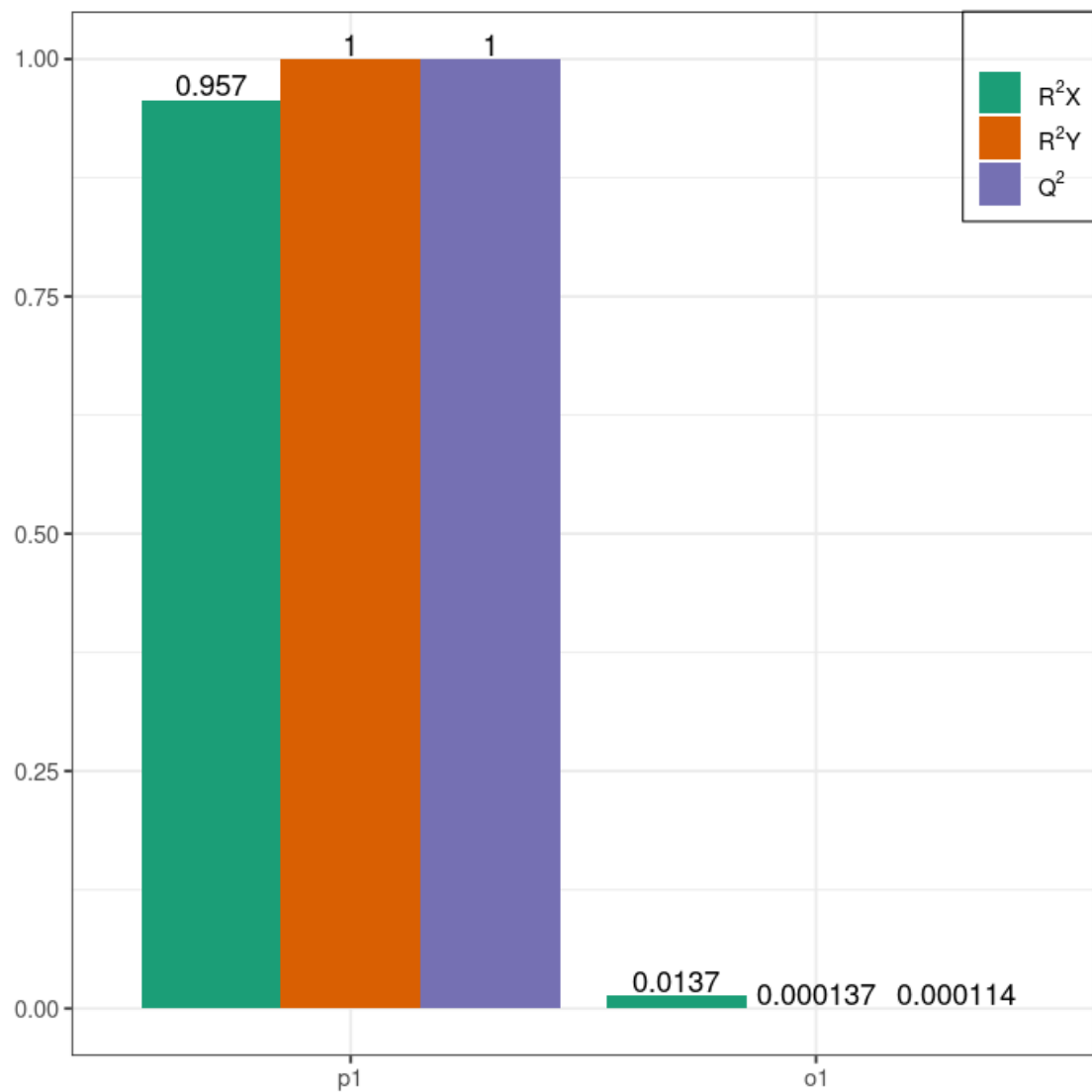
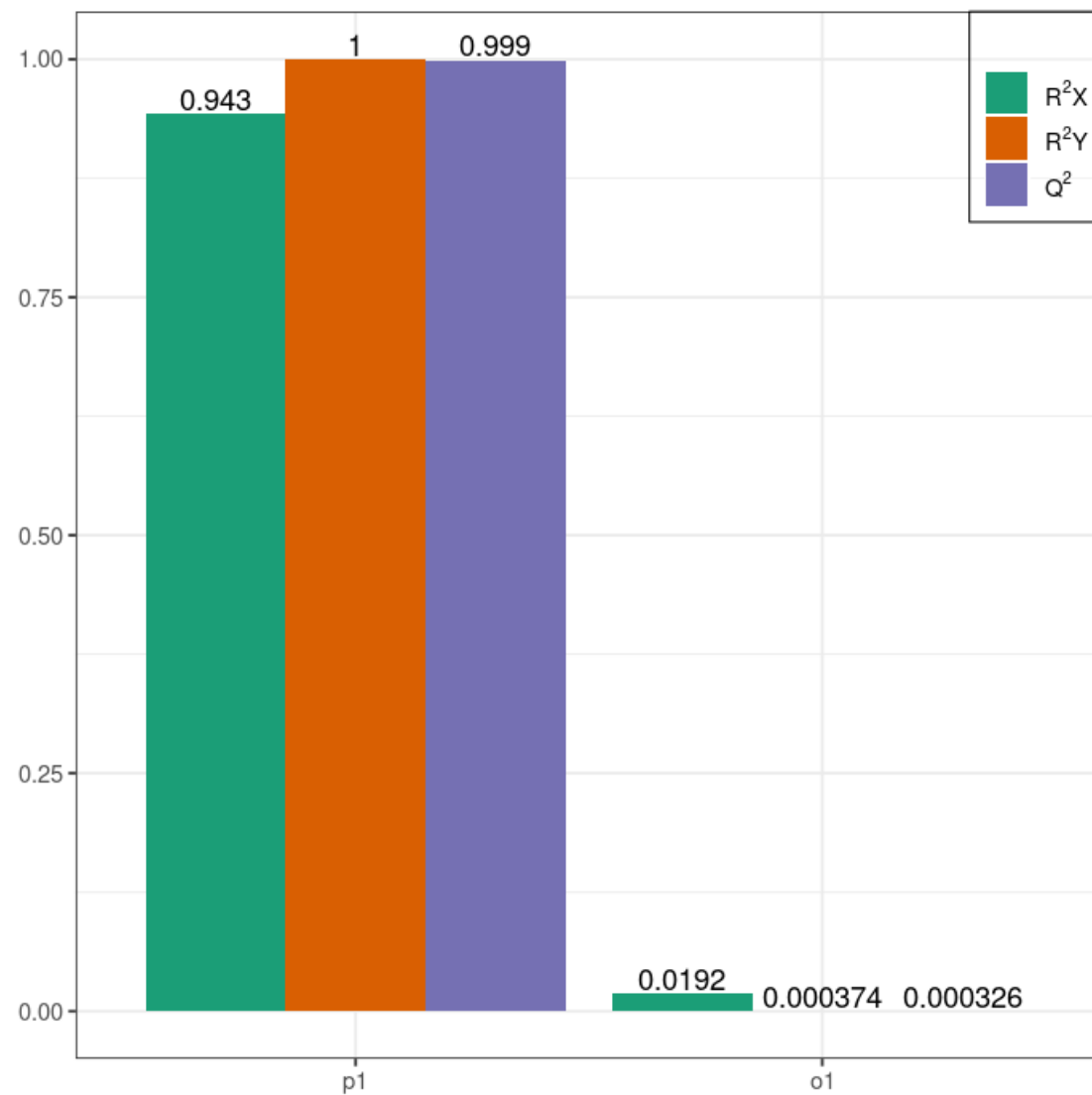


Figure S1. Correlation analysis of different samples based on the relative content of identified metabolites. A and B indicate spikes and shells of the highly-susceptible variety Yun53, respectively. C and D indicate whole ear and shell of the resistant variety LHW, respectively.

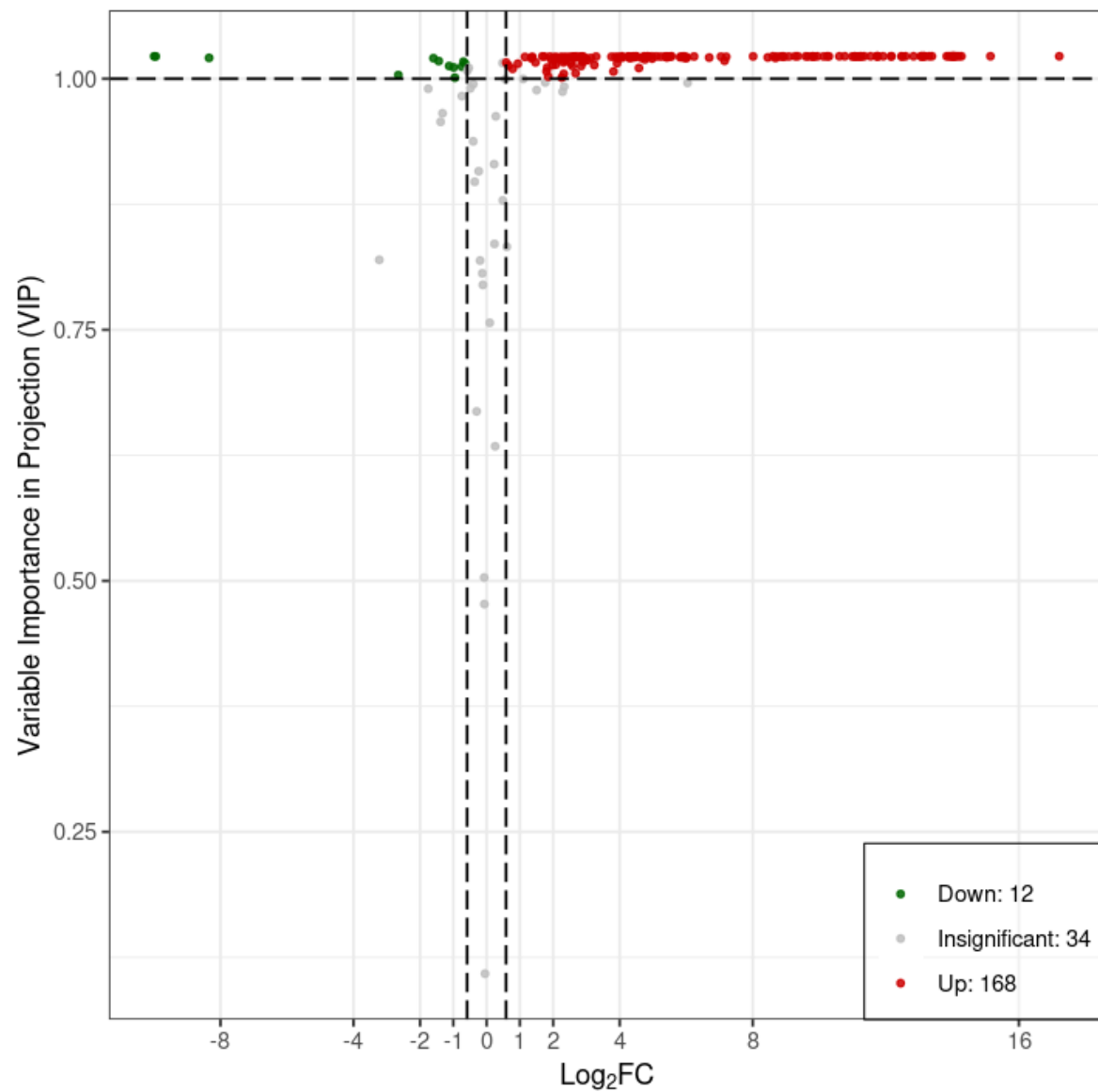


a

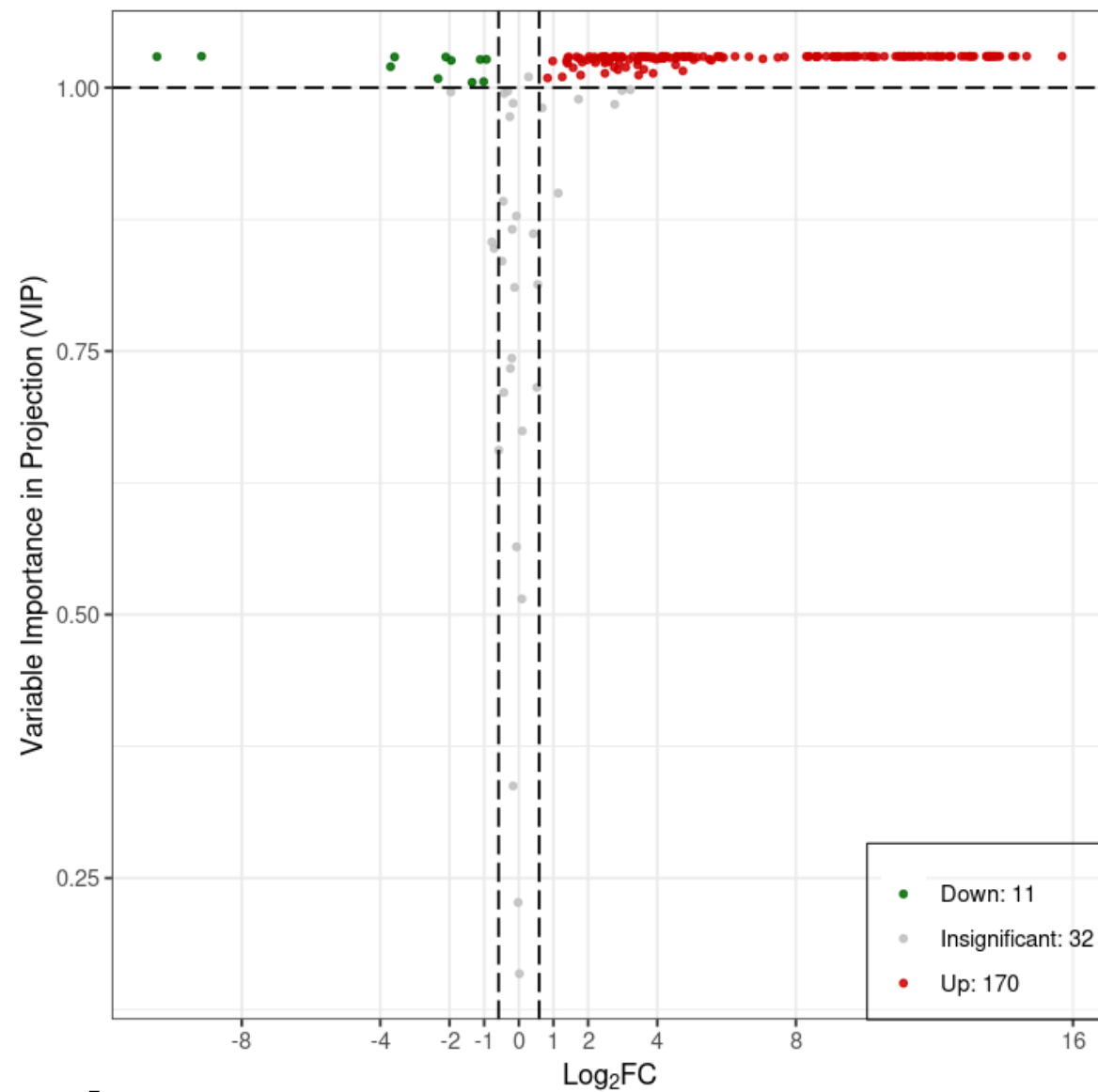


b

Figure S2. OPLS-DA of the pairwise comparison between spikes (a) and shells (b) of the two wheat varieties.



a



b

Figure S3. Volcano plots of DAPs in the pairwise comparison between spikes (a) and shells (b) of the two wheat varieties.

Statistics of KEGG Enrichment

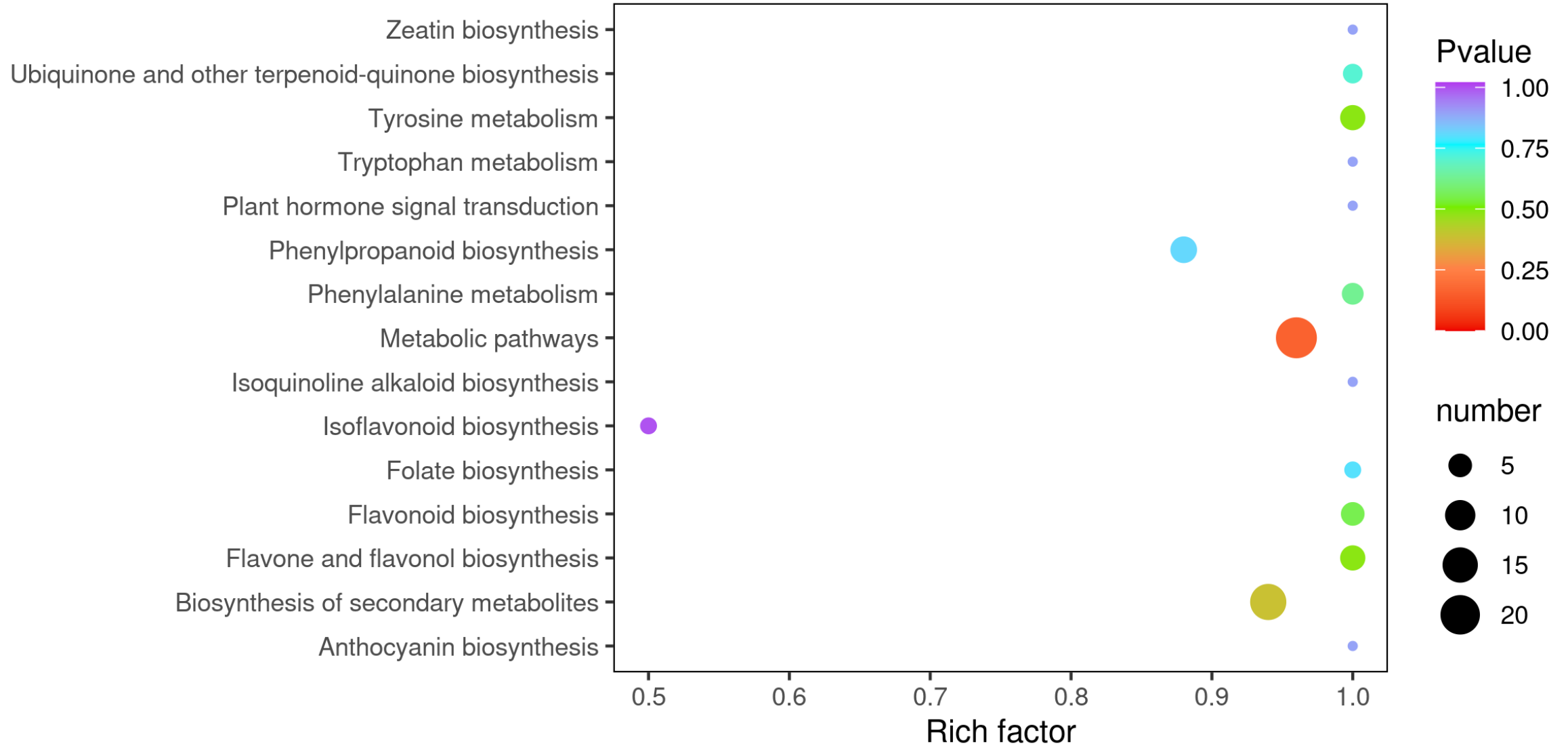
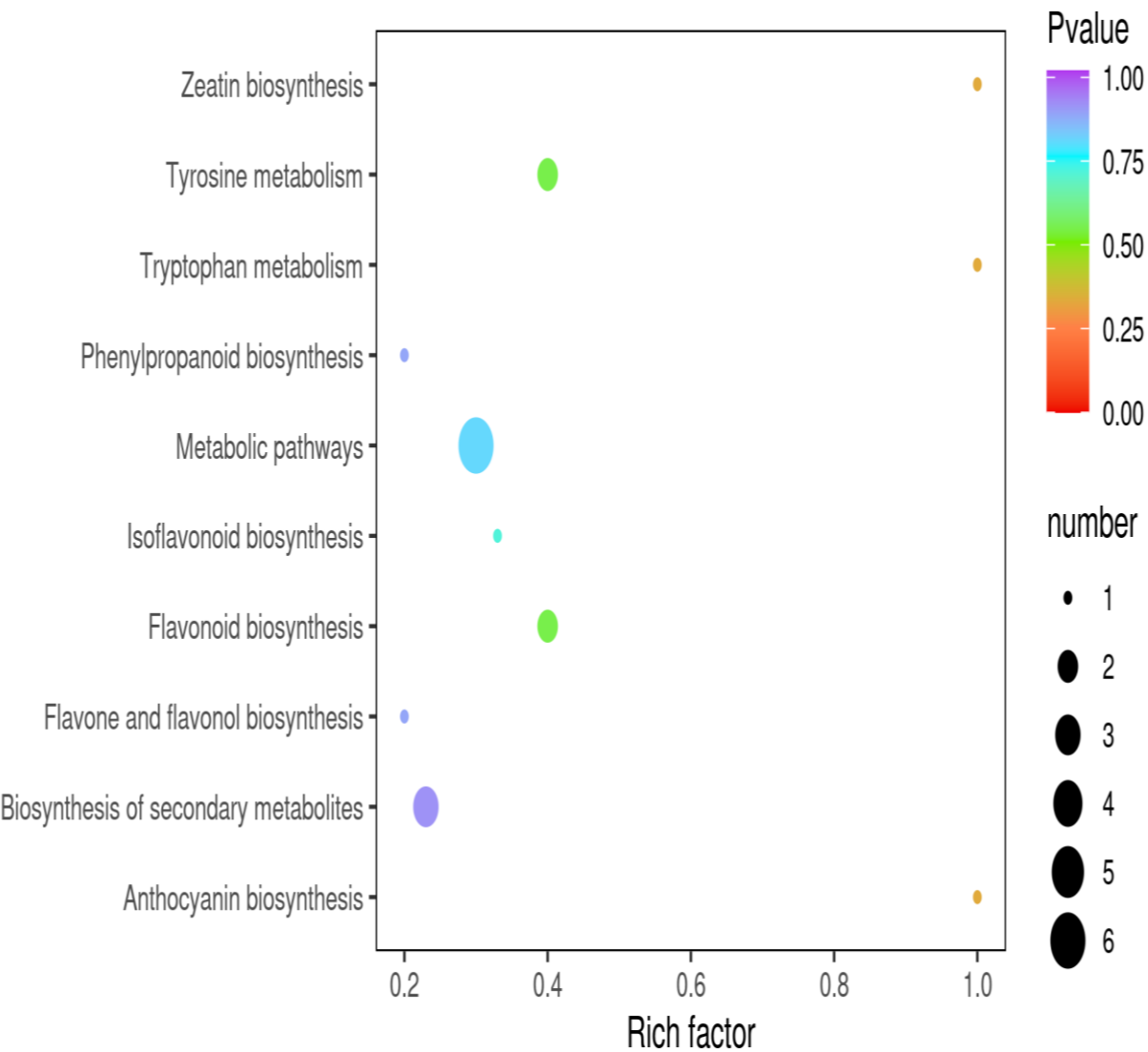


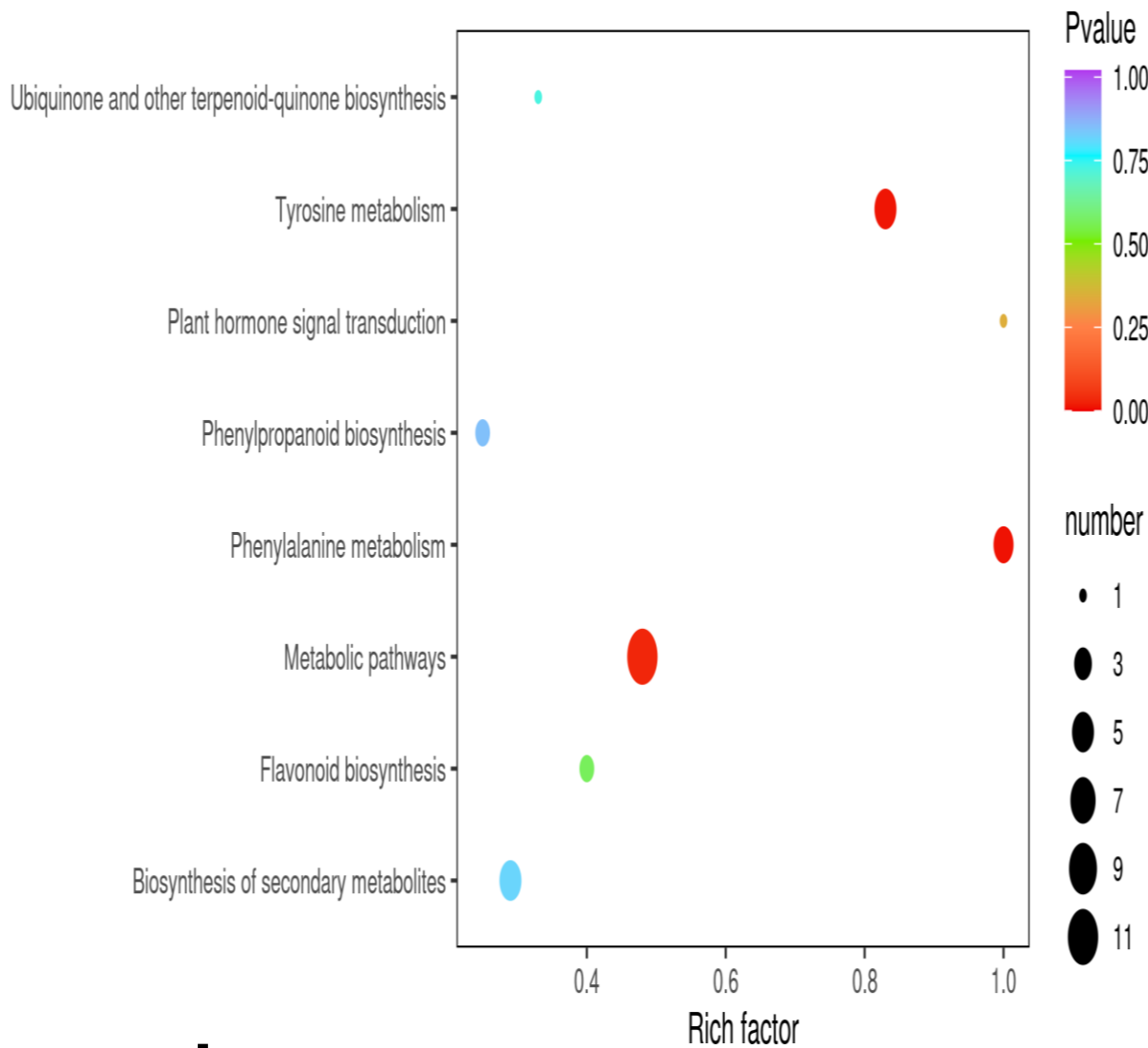
Figure S4. KEGG annotation and enrichment analysis results of DAPs between shells of the two wheat varieties.

Statistics of KEGG Enrichment



a

Statistics of KEGG Enrichment



b

Figure S5. KEGG annotation and enrichment analysis results of DAPs between spikes and shells of Yun53 (a) and LHW (b).