Supplemental Materials

Integrated Metabolomic and Transcriptomic Analysis Reveals Differential Mechanism of Flavonoid Biosynthesis in Two Cultivars of *Angelica sinensis*

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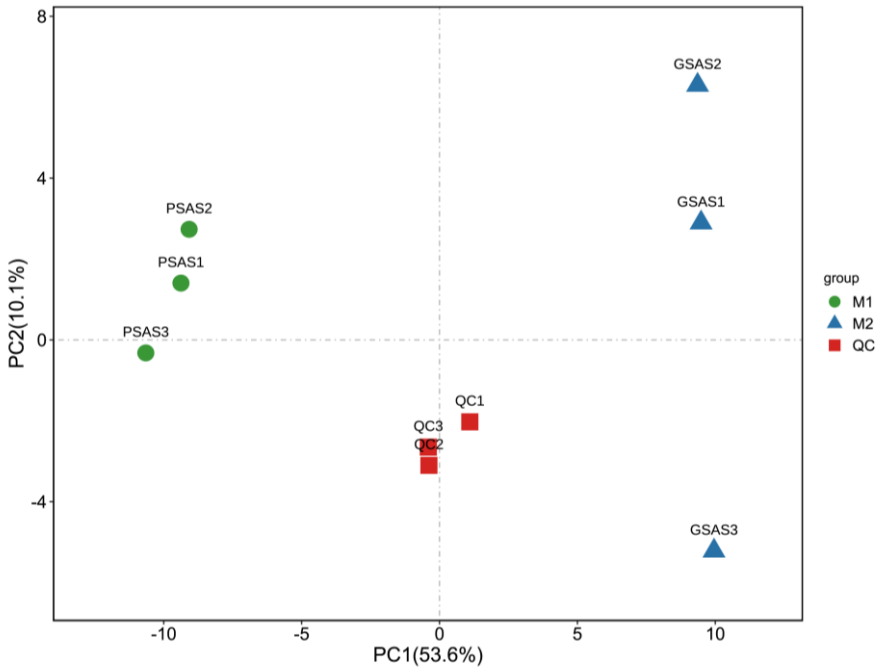

Figure S1: PCA of M1 (PSAS) and M2 (GSAS) as well as quality control (QC) samples.

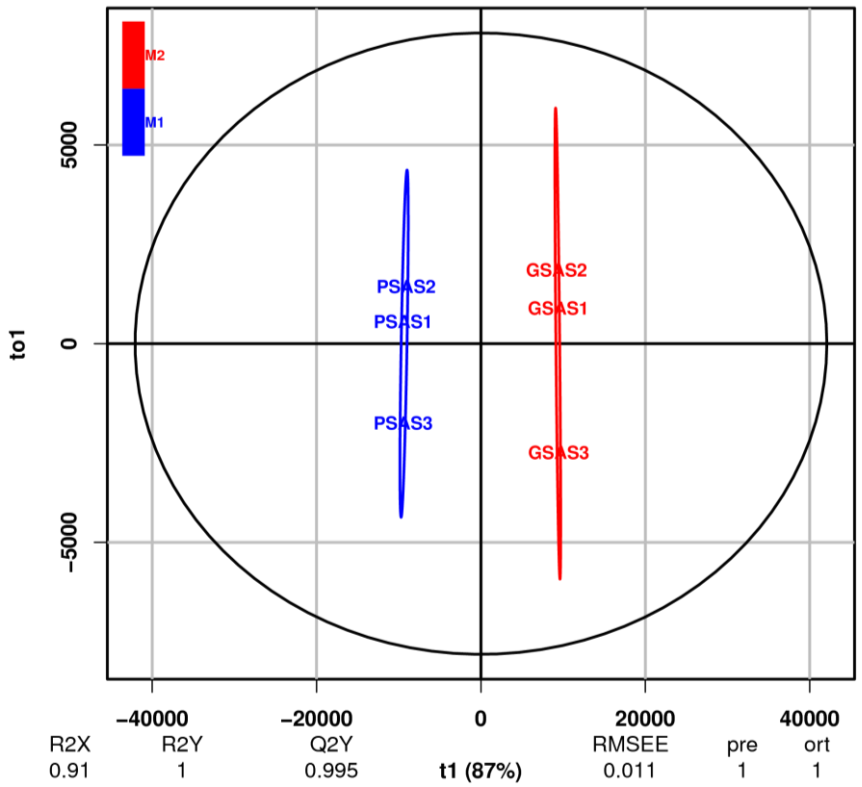

Figure S2: OPLS-DA of M1 and M2.

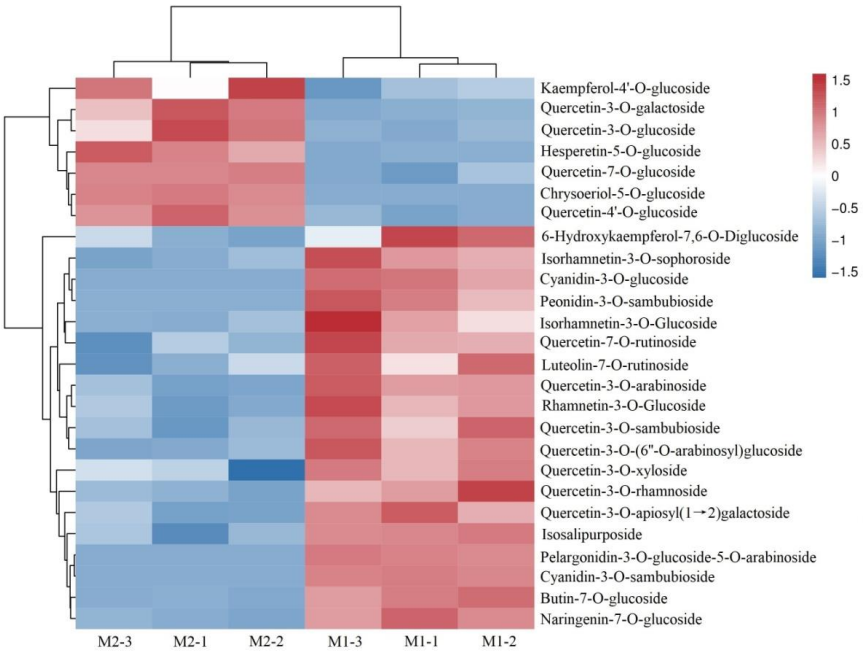

Figure S3: Cluster heat map of the 26 DAFs in M1 vs M2.

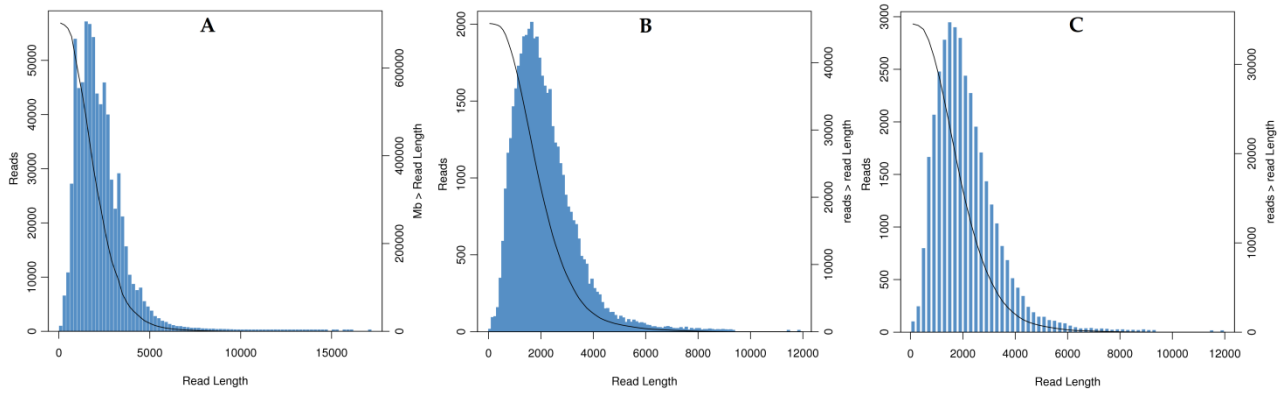

Figure S4: Length distribution of high-fidelity reads (A), high-quality isoforms (B) and full-length isoforms (C).

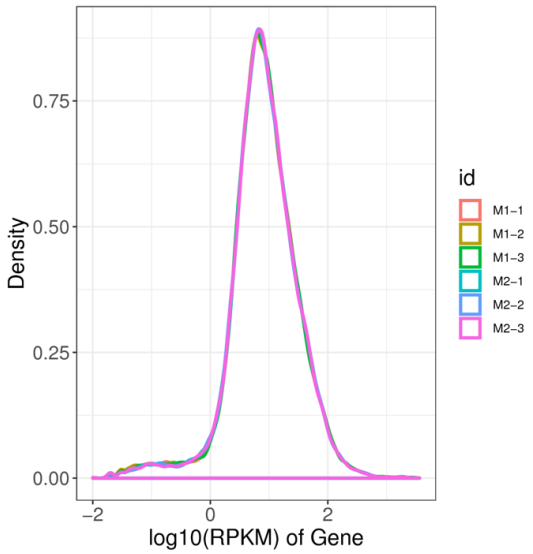

Figure S5: RPKM distribution of M1 and M2.

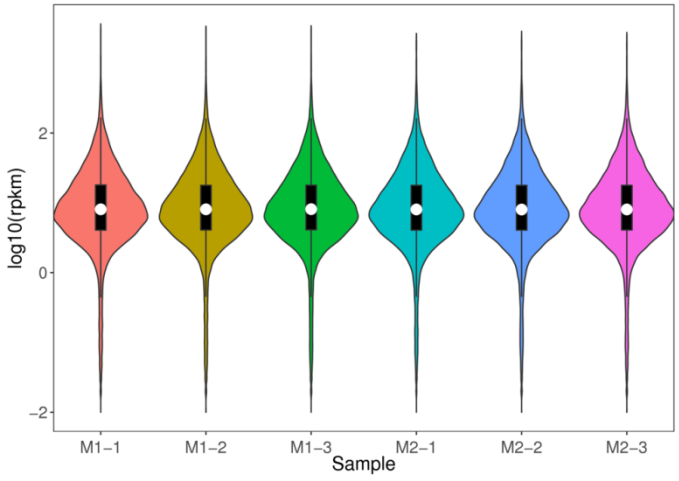

Figure S6: Violin plot of expression in M1 and M2.

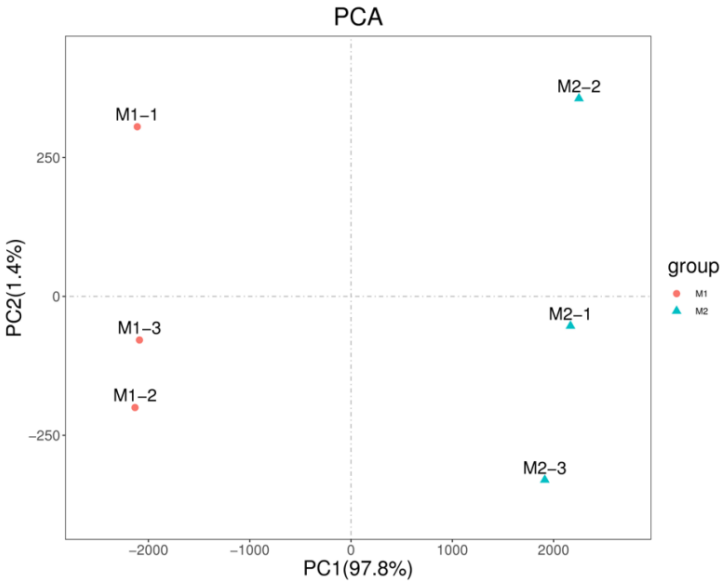

Figure S7: PCA analysis of M1 and M2.

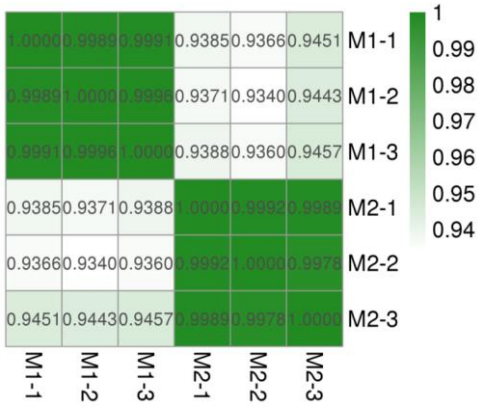

Figure S8: Pearson Heat-map correlation between M1 and M2.

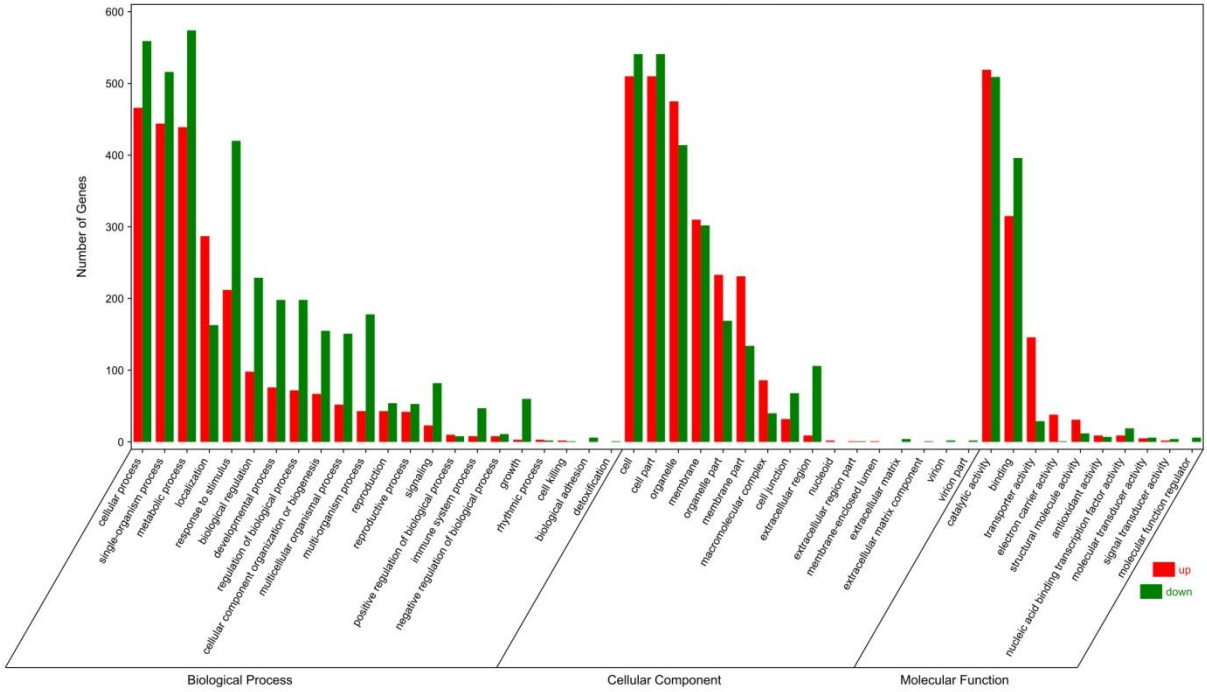

Figure S9: GO classification of the DEGs in M1 vs M2.

Mingui 1 (M1) with purple stem **Mingui 2 (M2) with green stem**

Figure S10: Aerial-parts characteristics of the two *Angelica sinensis* cultivars: M1 with purple stem and M2 with green stem

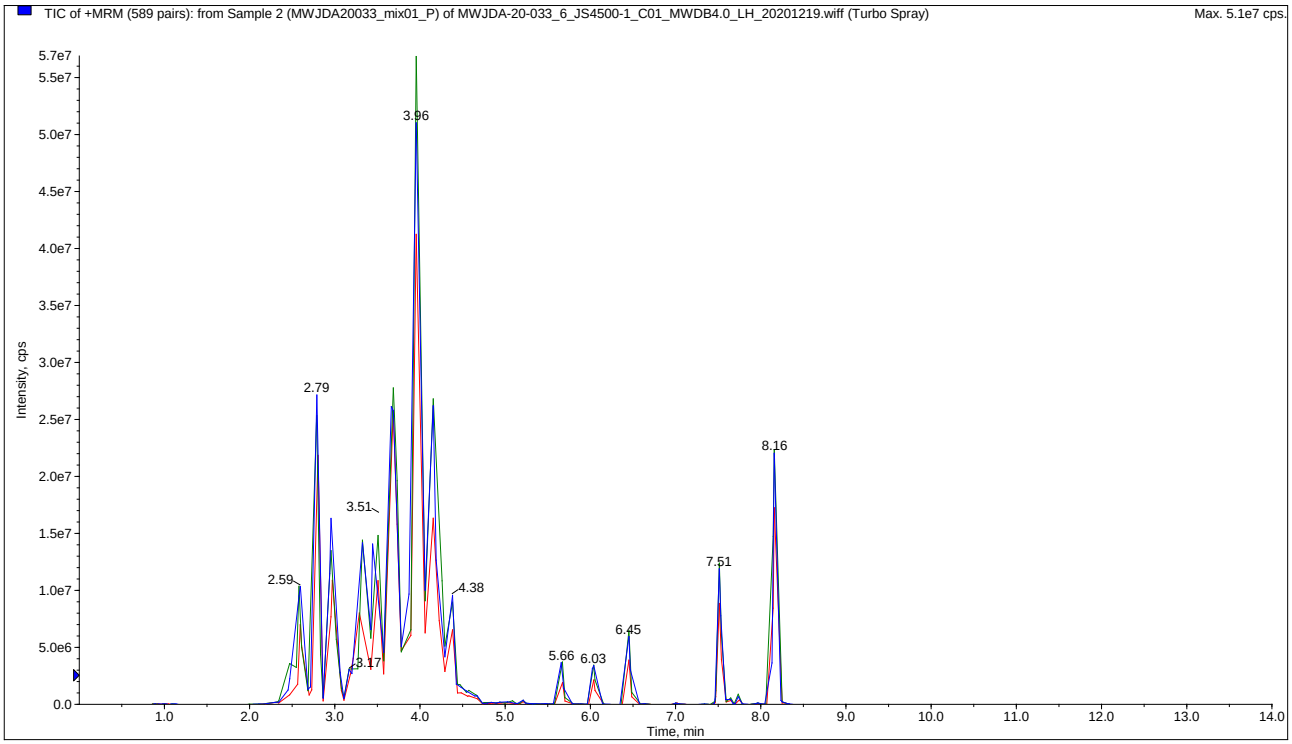

Figure S11: Representative total-ion-chromatogram (TIC) of QC sample

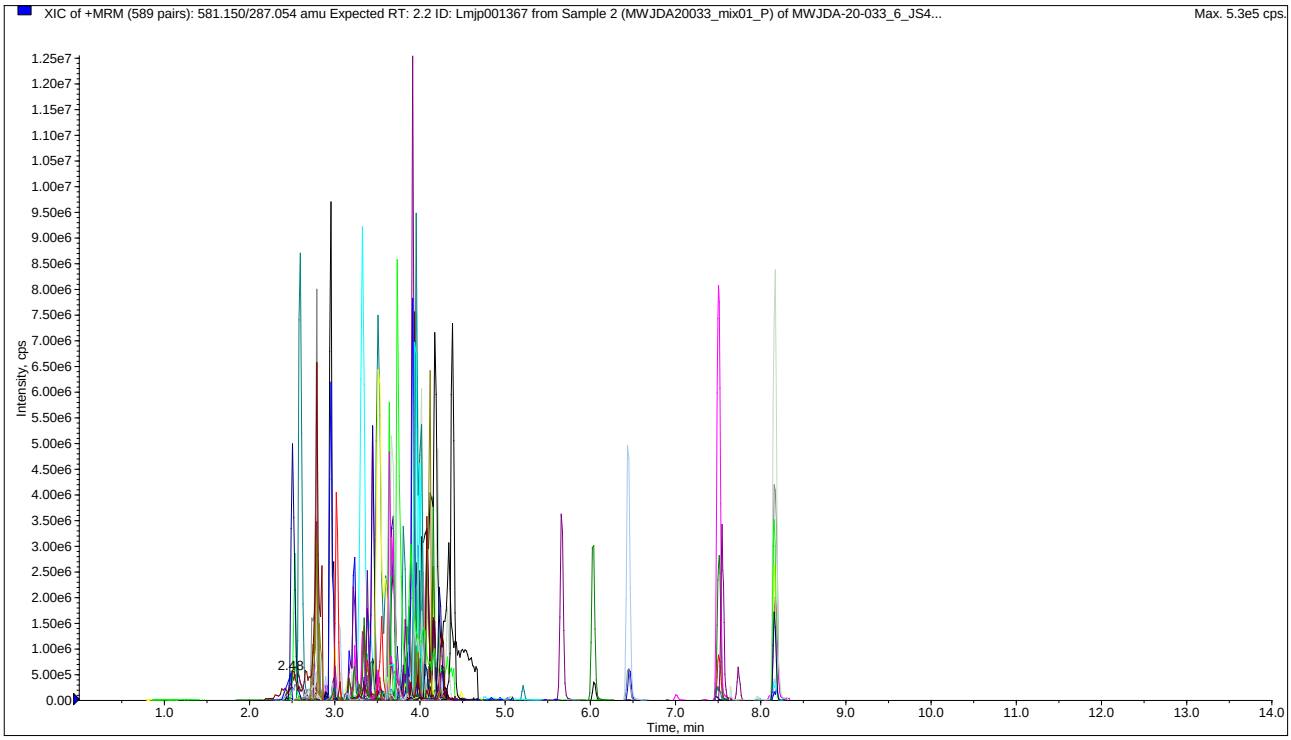

Figure S12: Representative TIC of MRM metabolites detection of QC sample