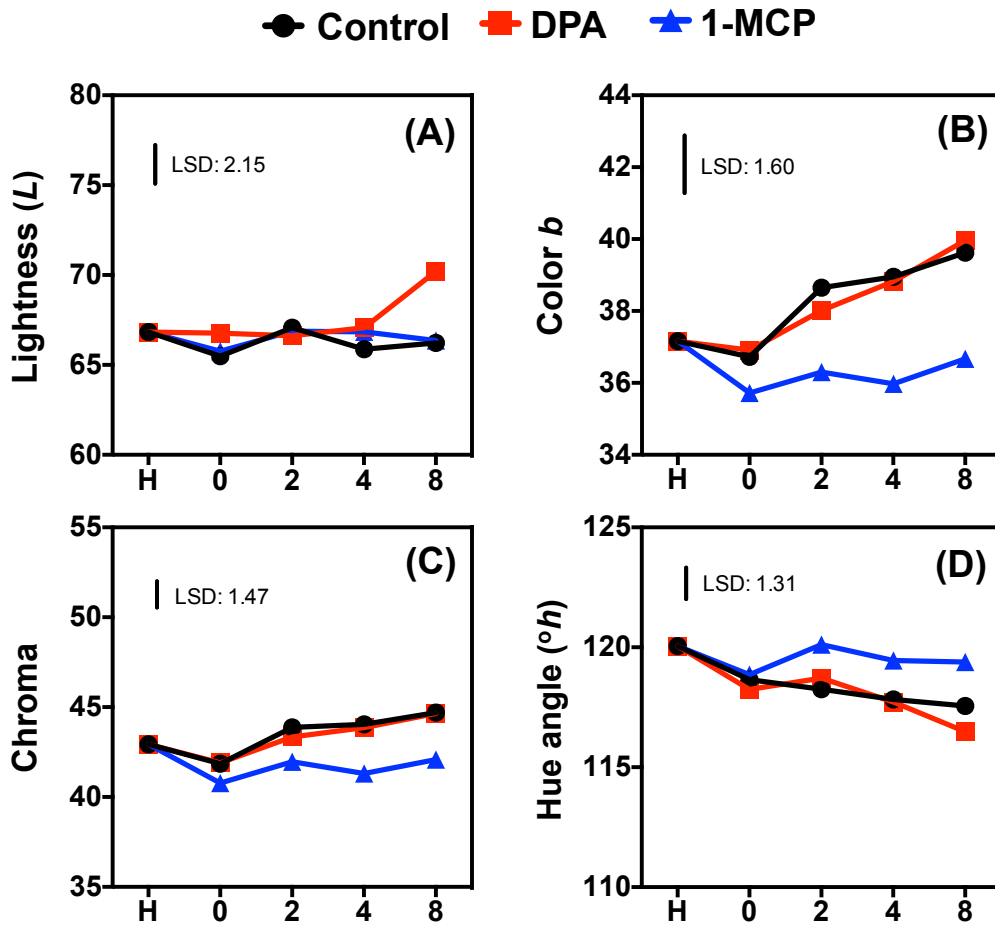


Ethylene -dependent and -independent superficial scald resistance mechanisms in 'Granny Smith' apple fruit

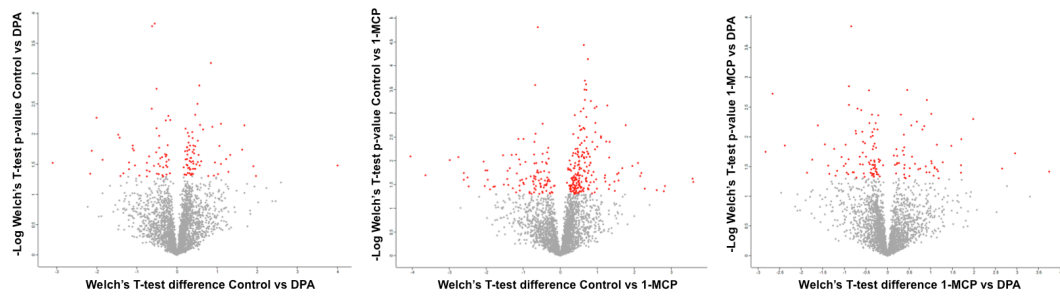
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Supplementary data

Supplementary Figures 1-2 and Supplementary Tables 1-6



Supplementary Figure 1



Supplementary Figure 2

Additional information

Supplementary Fig. S1. *Color changes throughout apple ripening.*

Supplementary Fig. S2. *Volcano plots generated for each performed comparison, using the Welch's T-test results: Control versus DPA (A), Control versus 1-MCP (B), DPA versus 1-MCP (C). Protein spots in red are statistically significant (< 0.01) altered and their identification details can be found in Supplementary Table S1.*

Supplementary Table S1. Protein identification of apple skin following label free-gel proteomic analysis.

Supplementary Table S2. Sequences of *primers used for RT-PCR.*

Supplementary Table S3. Sequences of adapters for the *EcoRI* and *HpaII/MspI* ligation step, and for the pre-selective (*EcoRI*+1, *HpaII/MspI*+1) and selective (*EcoRI*+3, *HpaII/MspI*+3) amplifications.

Supplementary Table S4. Apple skin metabolites that affected by DPA and 1-MCP.

Supplementary Table S5. Details of identified metabolites and their participation in biological pathways.

Supplementary Table S6: Enrichment analysis based on significance according to Fisher exact test (p-value)