

Figure S1. Log₂-fold changes of primary metabolite concentrations in the spikes of cold-sensitive Wyalkatchem (W) and cold-tolerant Young (Y) after one night (TP₁ vs. TP₀) and prolonged (TP₃ vs. TP₁) exposure to cold, and the day-time recoveries after each of these cold treatments (TP₂ vs. TP₁ and TP₄ vs. TP₁). n=3.

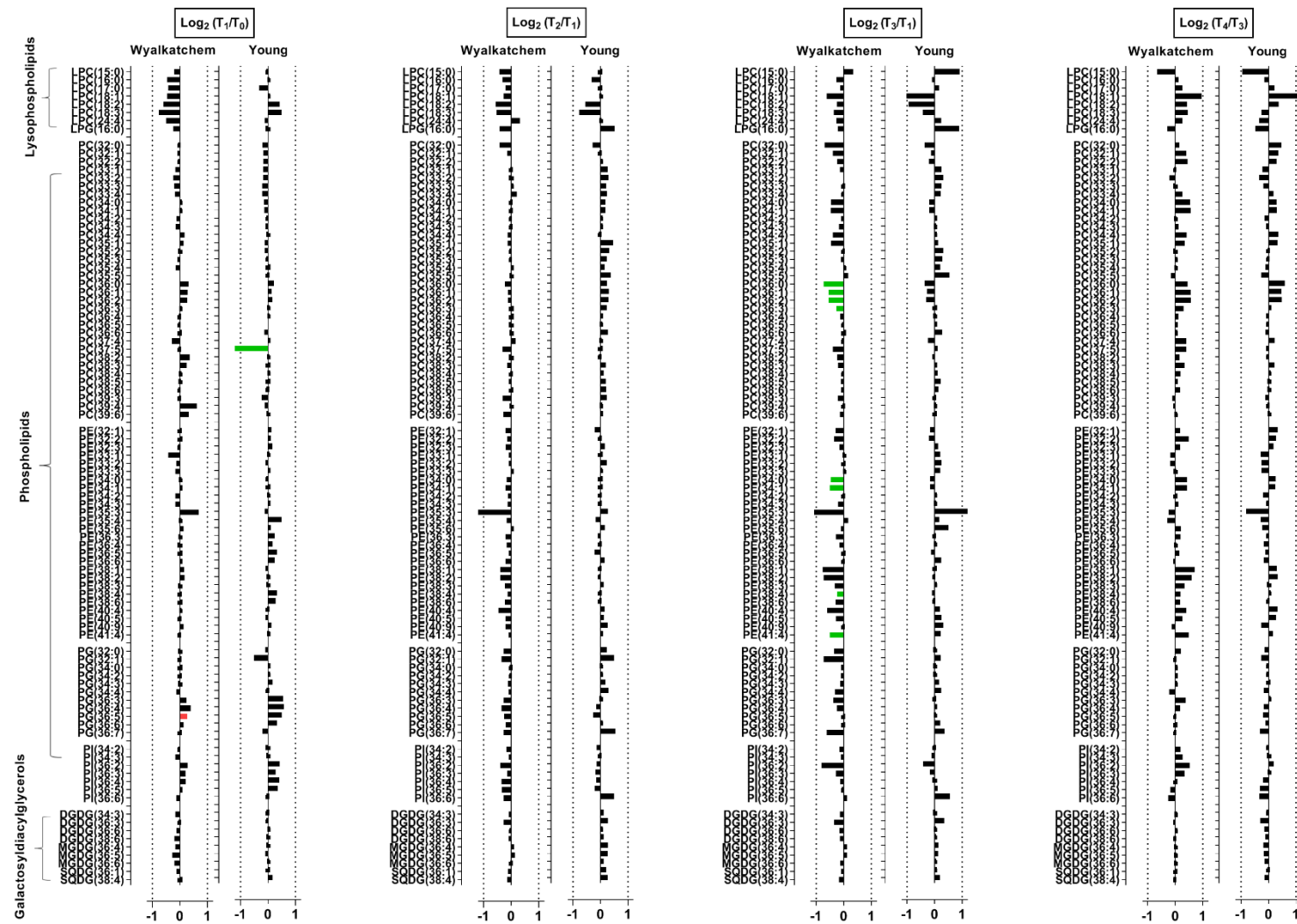


Figure S2. Log₂-fold changes of lipid concentrations in the spikes of the cold-sensitive Wyalkatchem (W) and cold-tolerant Young (Y) after one night (TP₁ vs. TP₀) and prolonged (TP₃ vs. TP₁) exposure to cold, and the day-time recoveries after each of these cold treatments (TP₂ vs. TP₁ and TP₄ vs. TP₃). n = 3.

N

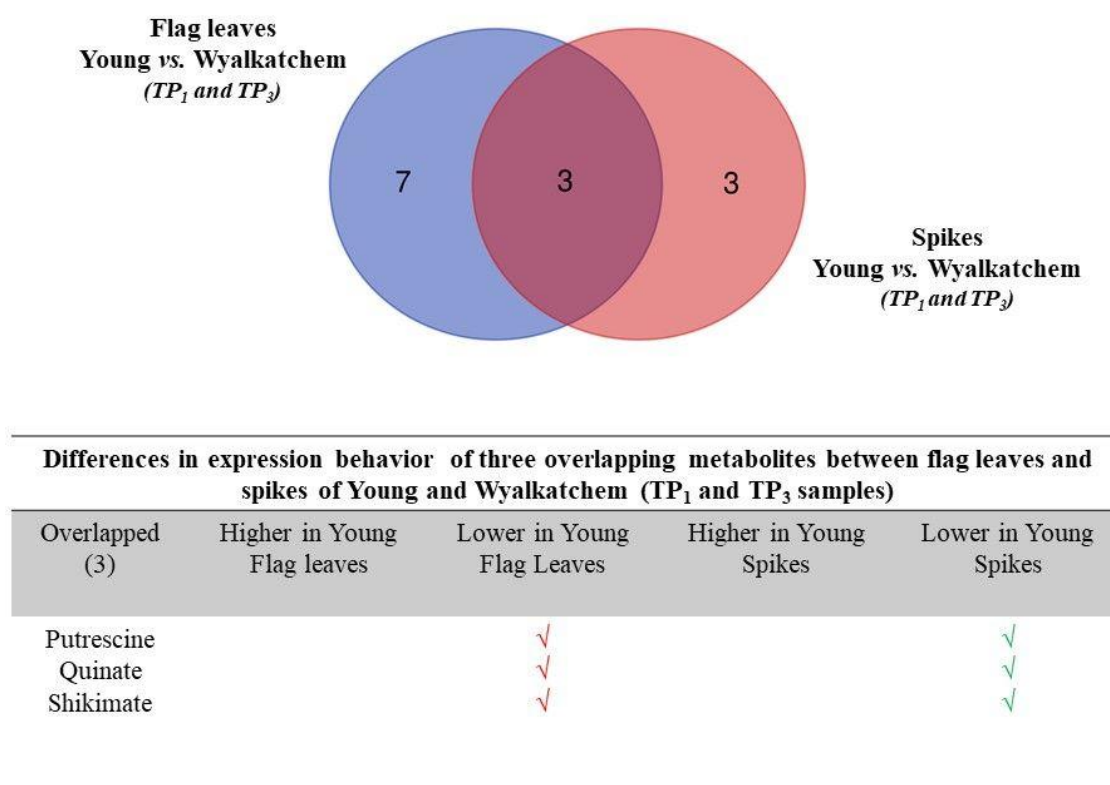


Figure S3. Differences in differentially expressed primary metabolites between flag leaves and spikes of cold-tolerant Young and cold-sensitive Wyalkatchem. The Venn diagrams show the degree of overlap between differentially expressed cold-induced metabolites in flag leaves and spikes for Young and Wyalkatchem. Three metabolites were commonly expressed in flag leaves and spikes at TP₁ and TP₃. The table below shows how these three metabolites are expressed differently in Wyalkatchem and Young flag leaves and spikes.