



Figure S1. Film placement inside of the apple packaging before storing period.

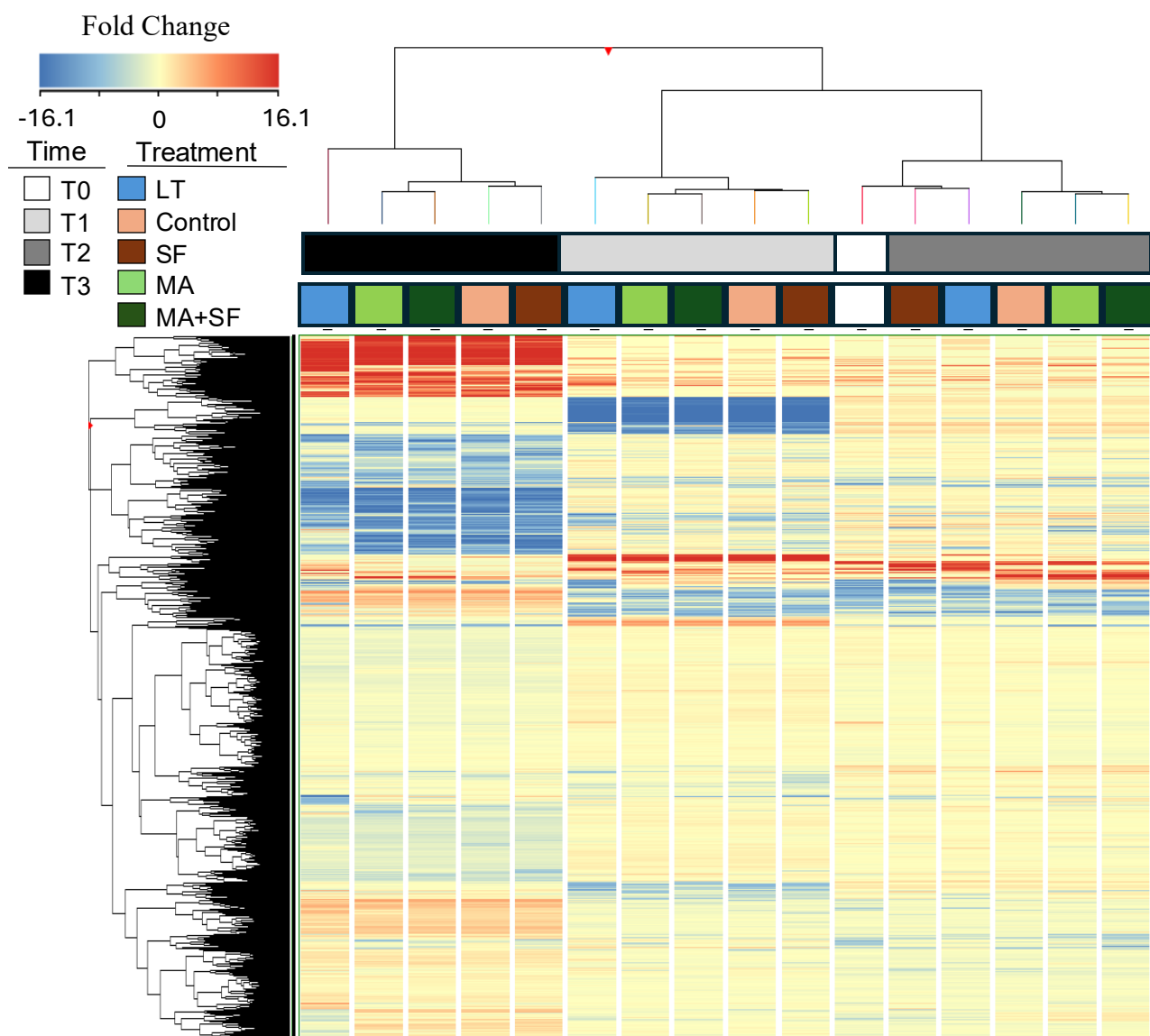


Figure S2. Hierarchical cluster analysis (HCA) of the untargeted metabolic profile of peel from apple fruits under storage. Greyish colors identify each storage period with white, light, medium and dark for T0, T6, T18, and T60, respectively. For the treatments the colours used were blue, light brown, brown, light green, and green for 4 °C, control, sepiolite, modified atmosphere, and combination mod + sep, respectively. Clustering was performed according to the fold change-based heatmap, baselined to the median values of all samples (Euclidean distance, Ward's linkage algorithm).

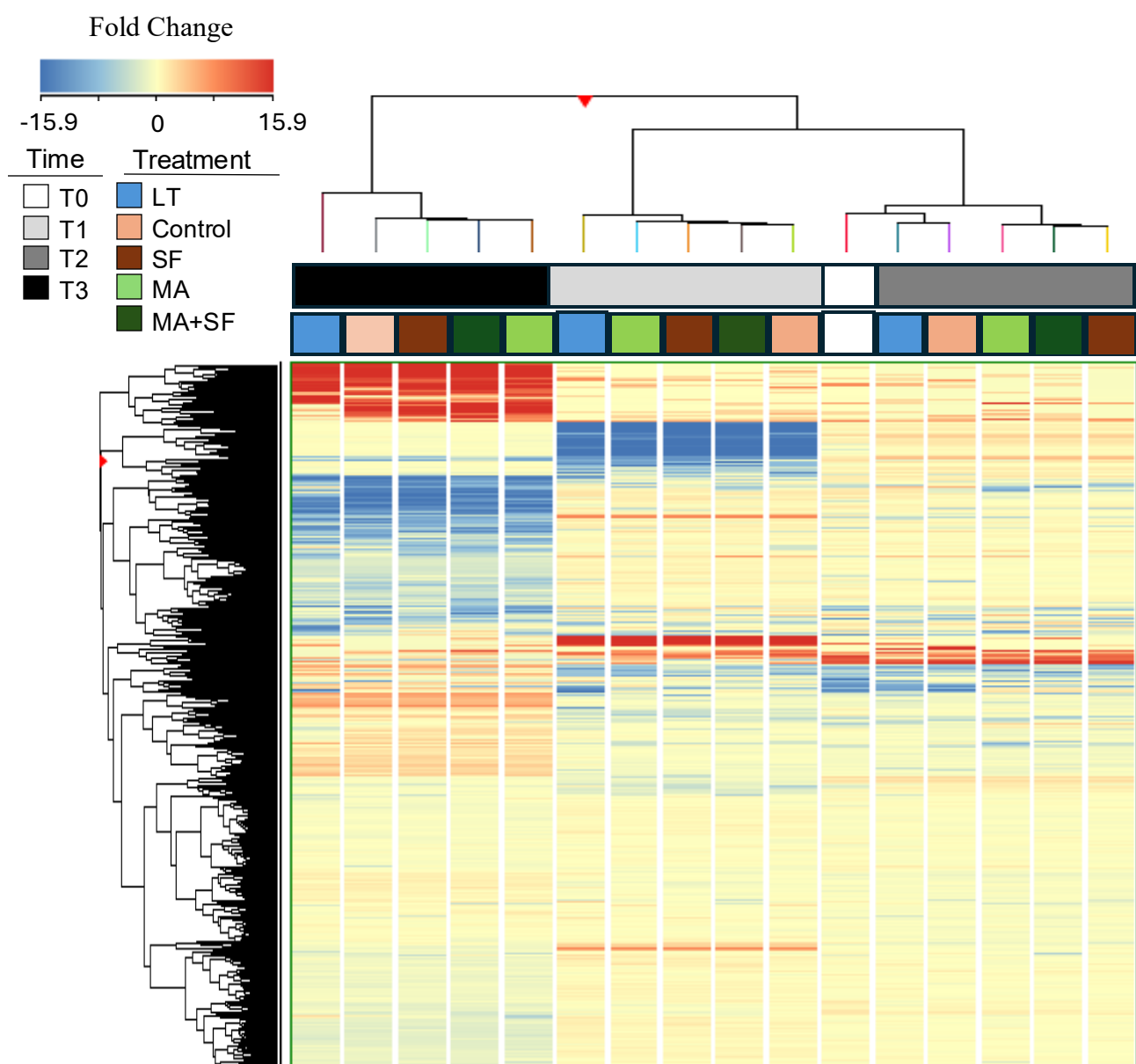


Figure S3. Hierarchical cluster analysis (HCA) of the untargeted metabolic profile of pulp from apple fruits under storage. Greyish colors identify each storage period with white, light, medium and dark for T0, T6, T18, and T60, respectively. For the treatments the colours used were blue, light brown, brown, light green, and green for 4 °C, control, sepiolite, modified atmosphere, and combination mod + sep, respectively. Clustering was performed according to the fold change-based heatmap, baselined to the median values of all samples (Euclidean distance, Ward's linkage algorithm).

PEEL

PULP

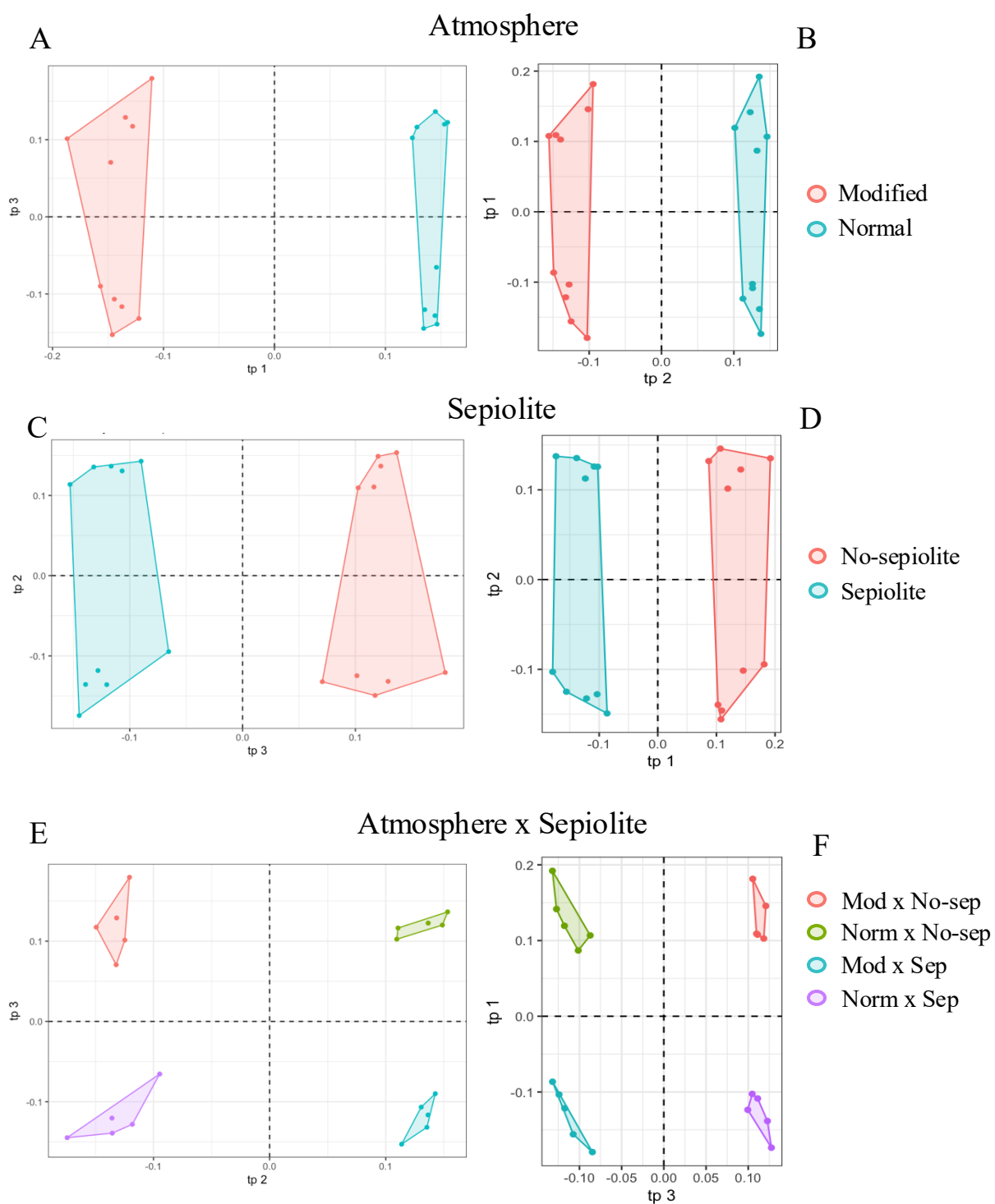


Figure S4. AMOPLS score plot showing the contribution of the factors modified atmosphere, sepiolite, and its combination for peel (A, C, and E, respectively) and for pulp (B, D, and F, respectively).