Supplementary Figure 4: Correlation graphs. a) Correlation between firmness and parameters/compounds. Correlation coefficients for the 25 measured top parameters/compounds most correlated with the firmness are shown as bars, indicating positive (right) and negative (left) correlation. Parameters demonstrating a statistically significant correlation are denoted with an asterisk (p-value<0.05). b) Correlation Heat map. The correlation coefficients (Pearson) among metabolites, internal quality parameters, total phenolic content (TPC), and enzymatic activities across all samples are displayed. A correlation cut-off of 0.65 was applied; therefore, pair-wise correlations failing to meet this threshold were set to 0.

