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*Unveiling the compositional remodelling of *Arbutus unedo* L. fruits during ripening*

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Figure S1. Mean FTIR-ATR spectra of (A) all samples, (D) AIR and (H) INT biomass of *A. unedo* fruits at four different ripening stages: green, yellow, orange, and red, in the range 1800 – 800 cm^{-1} . Plot of principal component one (PC1) and principal component two (PC2) scores for (B) all samples, (E and F) AIR biomass and (I) INT biomass. PC1 loading plot for (G) green and red fruits AIR biomass. PC1 and PC2 loading plot for (J and K) INT biomass.

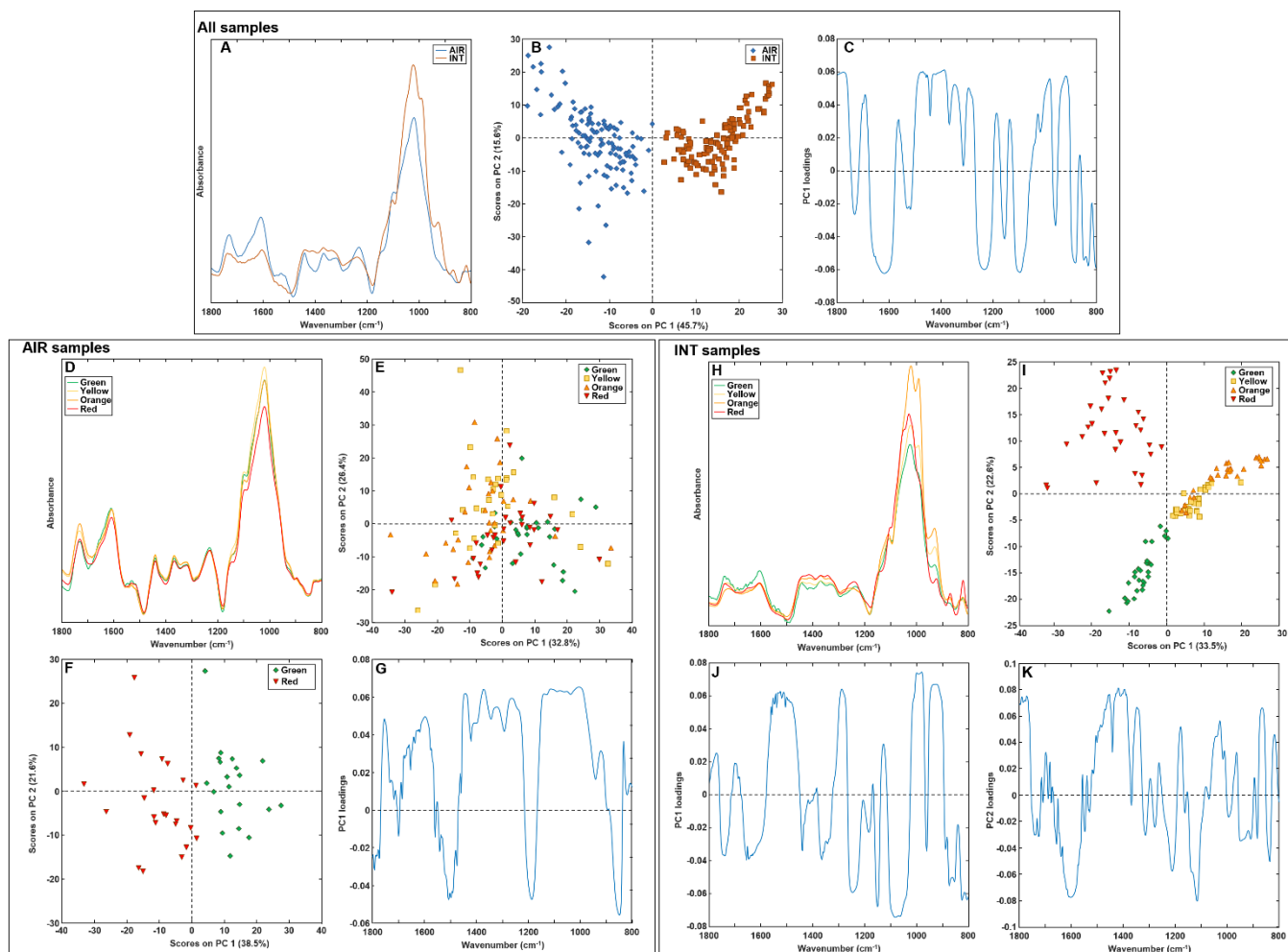


Table S1. Total neutral sugars, starch, and lignin percentage of cell wall material dry weight (% CWM) from *A. unedo* fruits of four ripening stages. Values are mean \pm standard deviation for three different trees that were randomly selected, and two fruit replicates collected from each ripening stage ($3 \times 2 \times 4$). Means were statistically compared using one-way ANOVA followed by a Tukey's test. Values with different superscript letters indicate significant differences ($P < 0.05$) among ripening stages.

	Green	Yellow	Orange	Red
Fucose (%)	0.09 \pm 0.02 ^a	0.07 \pm 0.01 ^a	0.22 \pm 0.10 ^a	0.12 \pm 0.02 ^a
Arabinose (%)	2.54 \pm 0.17 ^a	2.84 \pm 0.17 ^a	2.66 \pm 0.12 ^a	2.57 \pm 0.08 ^a
Galactose/rhamnose (%)	1.85 \pm 0.20 ^a	2.23 \pm 0.17 ^a	2.16 \pm 0.40 ^a	1.96 \pm 0.28 ^a
Xylose (%)	18.84 \pm 1.29 ^a	16.54 \pm 0.21 ^a	17.81 \pm 0.95 ^a	18.51 \pm 0.24 ^a
Glucose (%)	23.40 \pm 1.26 ^a	22.19 \pm 0.14 ^a	23.57 \pm 0.68 ^a	23.95 \pm 0.39 ^a
Starch (%)	0.05 \pm 0.02 ^a	0.13 \pm 0.06 ^{a, b}	0.18 \pm 0.09 ^{b, c}	0.26 \pm 0.07 ^c
Acetyl bromide soluble lignin (%)	22.01 \pm 1.78 ^a	25.49 \pm 0.73 ^b	25.54 \pm 0.44 ^b	25.68 \pm 1.53 ^b