

Supplementary Table S2. Analysis of pomegranate juice extracted from different varieties, specifically Kamel, Emek, Ako, and Wonderful one. Values represent mean \pm S.E. of four independent biological replicates. Values within the same row showing different superscript letter are significantly different (Tukey test, $p < 0.05$). GAE, Gallic acid equivalents; CE, Catechin Equivalents; C3GE, cyanidin-3-glucoside equivalents; TE, Trolox equivalents; nd, not detected; fw, fresh weight.

Component	Kamel	Emek	Ako	Wonderful One
Moisture (%)	86.3 \pm 0.4 ^a	87.0 \pm 0.5 ^a	86.5 \pm 0.5 ^a	86.9 \pm 0.5 ^a
Ash (%)	0.6 \pm 0.1 ^a	0.5 \pm 0.1 ^a	0.6 \pm 0.1 ^{a16.3}	0.6 \pm 0.1 ^a
Total Soluble Solids ($^{\circ}$ Brix)	16.3 \pm 0.3 ^a	16.0 \pm 0.3 ^a	15.9 \pm 0.3 ^a	16.3 \pm 0.4 ^a
pH	3.6 \pm 0.2 ^{ab}	4.1 \pm 0.3 ^a	4.1 \pm 0.2 ^a	3.5 \pm 0.3 ^b
Total carbohydrates (mg (g ⁻¹) fw)	138.1 \pm 11.2 ^a	141.9 \pm 3.9 ^a	114.4 \pm 3.4 ^b	149.1 \pm 15.3 ^a
Soluble sugars (mg (g ⁻¹) fw)				
Glucose	46.2 \pm 1.6 ^b	50.3 \pm 1.3 ^a	40.9 \pm 1.9 ^c	41.4 \pm 1.0 ^c
Fructose	54.6 \pm 1.9 ^a	57.3 \pm 2.5 ^a	47.8 \pm 1.0 ^b	47.6 \pm 1.1 ^b
Sucrose	traces	traces	traces	traces
Total polysaccharides (mg (g ⁻¹) fw)	33.2 \pm 4.5 ^a	38.8 \pm 4.1 ^a	33.9 \pm 4.2 ^a	32.8 \pm 3.2 ^a
Pectins	14.9 \pm 1.7 ^a	15.2 \pm 1.7 ^a	15.5 \pm 1.3 ^a	15.4 \pm 1.2 ^a
Starch	nd	nd	nd	nd
Organic acids (mg (g ⁻¹) fw)				
Citric acid	20.4 \pm 1.1 ^a	6.2 \pm 0.8 ^c	6.3 \pm 0.9 ^c	19.3 \pm 1.6 ^b
Succinic acid	6.0 \pm 0.5 ^a	5.5 \pm 0.6 ^a	5.7 \pm 0.4 ^a	6.9 \pm 1.3 ^a
Malic acid	2.4 \pm 0.3 ^b	3.9 \pm 0.3 ^a	4.3 \pm 0.6 ^a	2.5 \pm 0.3 ^b
Tartaric acid	traces	traces	traces	traces
Vitamin C (mg(g ⁻¹) fw)				
Ascorbic acid	0.42 \pm 0.02 ^d	0.58 \pm 0.02 ^c	0.95 \pm 0.03 ^a	0.71 \pm 0.03 ^b
Dehydroascorbic acid	0.20 \pm 0.03 ^b	0.70 \pm 0.01 ^a	0.23 \pm 0.02 ^b	0.06 \pm 0.01 ^c
Phenolics (mg GAE(g ⁻¹) fw)				
Soluble	4.6 \pm 0.7 ^b	9.7 \pm 0.6 ^a	9.6 \pm 0.3 ^a	9.2 \pm 0.6 ^a
Insoluble	0.13 \pm 0.01 ^a	0.09 \pm 0.01 ^b	0.07 \pm 0.01 ^b	0.13 \pm 0.01 ^a
Total flavonoids (mg CE(g ⁻¹) fw)	0.9 \pm 0.1 ^b	1.4 \pm 0.1 ^a	0.9 \pm 0.1 ^b	1.1 \pm 0.3 ^{ab}
Condensed tannins (mg CE (g ⁻¹) fw)	0.6 \pm 0.1 ^c	1.5 \pm 0.1 ^a	1.0 \pm 0.1 ^b	1.2 \pm 0.2 ^b
Total anthocyanins (mg C3GE(g ⁻¹) fw)	0.44 \pm 0.03 ^b	0.26 \pm 0.03 ^c	0.22 \pm 0.01 ^c	0.61 \pm 0.09 ^a
Antioxidant activity (μ mol TE (g ⁻¹) fw)				
Hydrophilic	77 \pm 8 ^a	68 \pm 4 ^a	66 \pm 6 ^a	66 \pm 11 ^a
Lipophilic	1.4 \pm 0.3 ^a	0.7 \pm 0.1 ^b	0.4 \pm 0.1 ^b	0.9 \pm 0.4 ^{ab}