

Supplementary Table S2. Bioactive content (mg/100g fresh weight) in prickly pear peels during in vitro simulated gastrointestinal digestion.

Compounds	Colorada				Fresa			
	Fruit	Oral	Gastric	Intestinal	Fruit	Oral	Gastric	Intestinal
Indicaxanthin	5.98 ± 0.19 ^d	6.10 ± 0.03 ^c	5.59 ± 0.09 ^b	4.08 ± 0.11 ^a	1.24 ± 0.06 ^c	1.20 ± 0.01 ^b	1.31 ± 0.07 ^b	0.87 ± 0.00 ^a
Betanin	0.54 ± 0.02 ^b	0.48 ± 0.07 ^b	0.54 ± 0.03 ^b	0.29 ± 0.03 ^a	9.54 ± 0.59 ^b	9.94 ± 1.09 ^b	8.53 ± 0.09 ^b	3.68 ± 0.22 ^a
Piscidic acid	407.35 ± 13.44 ^b	430.07 ± 11.65 ^c	452.90 ± 5.59 ^c	221.21 ± 8.07 ^a	396.88 ± 9.99 ^b	442.99 ± 22.84 ^b	451.17 ± 20.32 ^b	217.64 ± 21.90 ^a
4-hydroxybenzoic acid derivative	14.62 ± 0.41 ^b	15.01 ± 0.33 ^b	16.02 ± 0.32 ^b	7.49 ± 0.11 ^a	9.17 ± 0.16 ^b	11.33 ± 1.19 ^b	11.48 ± 0.44 ^b	6.04 ± 0.31 ^a
IG1	1.80 ± 0.03 ^b	1.89 ± 0.05 ^b	1.92 ± 0.02 ^b	0.82 ± 0.08 ^a	2.17 ± 0.19 ^b	2.24 ± 0.04 ^b	2.23 ± 0.27 ^b	1.12 ± 0.15 ^a
IG2	1.61 ± 0.03 ^b	1.85 ± 0.04 ^c	1.82 ± 0.27 ^c	0.84 ± 0.00 ^a	2.21 ± 0.21 ^b	2.26 ± 0.10 ^b	2.43 ± 0.03 ^b	1.13 ± 0.06 ^a
IG3	0.48 ± 0.01 ^b	0.50 ± 0.03 ^b	0.59 ± 0.18 ^b	0.24 ± 0.03 ^a	0.64 ± 0.03 ^b	0.71 ± 0.12 ^b	0.68 ± 0.05 ^b	0.35 ± 0.14 ^a
IG4	0.95 ± 0.01 ^b	1.04 ± 0.03 ^b	1.10 ± 0.00 ^b	0.47 ± 0.11 ^a	1.38 ± 0.06 ^b	1.33 ± 0.02 ^b	1.36 ± 0.15 ^b	0.70 ± 0.08 ^a
IG7	n.d. ^a	n.d. ^a	n.d. ^a	n.d. ^a	n.d. ^a	n.d. ^a	n.d. ^a	n.d. ^a
IG5	2.85 ± 0.07 ^c	2.30 ± 0.02 ^b	1.94 ± 0.40 ^b	0.91 ± 0.16 ^a	3.21 ± 0.07 ^d	2.39 ± 0.02 ^c	1.96 ± 0.00 ^b	1.04 ± 0.07 ^a
Compounds	Blanco Buenavista				Blanco Fasnía			
	Fruit	Oral	Gastric	Intestinal	Fruit	Oral	Gastric	Intestinal
Indicaxanthin	0.03 ± 0.00 ^b	0.02 ± 0.00 ^b	n.d. ^a	n.d. ^a	0.02 ± 0.00 ^{ab}	0.02 ± 0.00 ^{ab}	n.d. ^a	n.d. ^a
Betanin	0.02 ± 0.00 ^b	n.d. ^a	n.d. ^a	n.d. ^a	0.01 ± 0.00 ^b	n.d. ^a	n.d. ^a	n.d. ^a
Piscidic acid	423.61 ± 37.96 ^b	410.67 ± 24.88 ^b	400.65 ± 29.39 ^b	338.46 ± 30.83 ^a	307.95 ± 1.26 ^b	320.76 ± 36.37 ^b	315.26 ± 78.06 ^b	213.59 ± 19.83 ^a
4-hydroxybenzoic acid derivative	4.88 ± 0.42 ^b	3.76 ± 0.28 ^a	3.53 ± 0.33 ^a	3.36 ± 0.50 ^a	7.10 ± 0.06 ^b	8.53 ± 0.90 ^b	8.41 ± 2.17 ^b	5.47 ± 0.46 ^a
IG1	1.11 ± 0.02 ^b	0.72 ± 0.05 ^a	0.78 ± 0.06 ^a	0.60 ± 0.20 ^a	1.40 ± 0.01 ^b	1.44 ± 0.15 ^b	1.36 ± 0.39 ^b	0.90 ± 0.06 ^a
IG2	0.53 ± 0.01 ^b	0.39 ± 0.03 ^a	0.41 ± 0.03 ^a	0.32 ± 0.11 ^a	1.38 ± 0.01 ^b	1.42 ± 0.15 ^b	1.31 ± 0.17 ^b	0.97 ± 0.07 ^a
IG3	0.13 ± 0.00 ^b	0.05 ± 0.00 ^a	n.d. ^a	n.d. ^a	0.44 ± 0.00 ^b	0.51 ± 0.04 ^b	0.49 ± 0.03 ^b	0.28 ± 0.02 ^a
IG4	0.16 ± 0.05 ^a	0.17 ± 0.01 ^a	0.33 ± 0.01 ^b	0.13 ± 0.03 ^a	0.72 ± 0.04 ^b	0.81 ± 0.07 ^b	0.72 ± 0.21 ^b	0.52 ± 0.02 ^a
IG7	1.25 ± 0.07 ^c	1.15 ± 0.05 ^c	0.70 ± 0.06 ^b	0.37 ± 0.15 ^a	n.d. ^a	n.d. ^a	n.d. ^a	n.d. ^a
IG5	1.15 ± 0.05 ^c	0.52 ± 0.04 ^b	0.54 ± 0.02 ^b	0.30 ± 0.08 ^a	2.03 ± 0.00 ^b	2.30 ± 0.17 ^b	2.10 ± 0.24 ^b	1.28 ± 0.14 ^a

Results were expressed as mean ± standard deviation ($n=4$). This came from obtaining at least two independent digestions ($n=2$) and performing the determinations of each two times ($n=2$). Superscript letters indicate statistically significant differences ($p \leq 0.05$) between the fruit and the digestive stages for each variety and compound. Abbreviations: n.d.: not detected.