

RT: 5.99 - 25.47

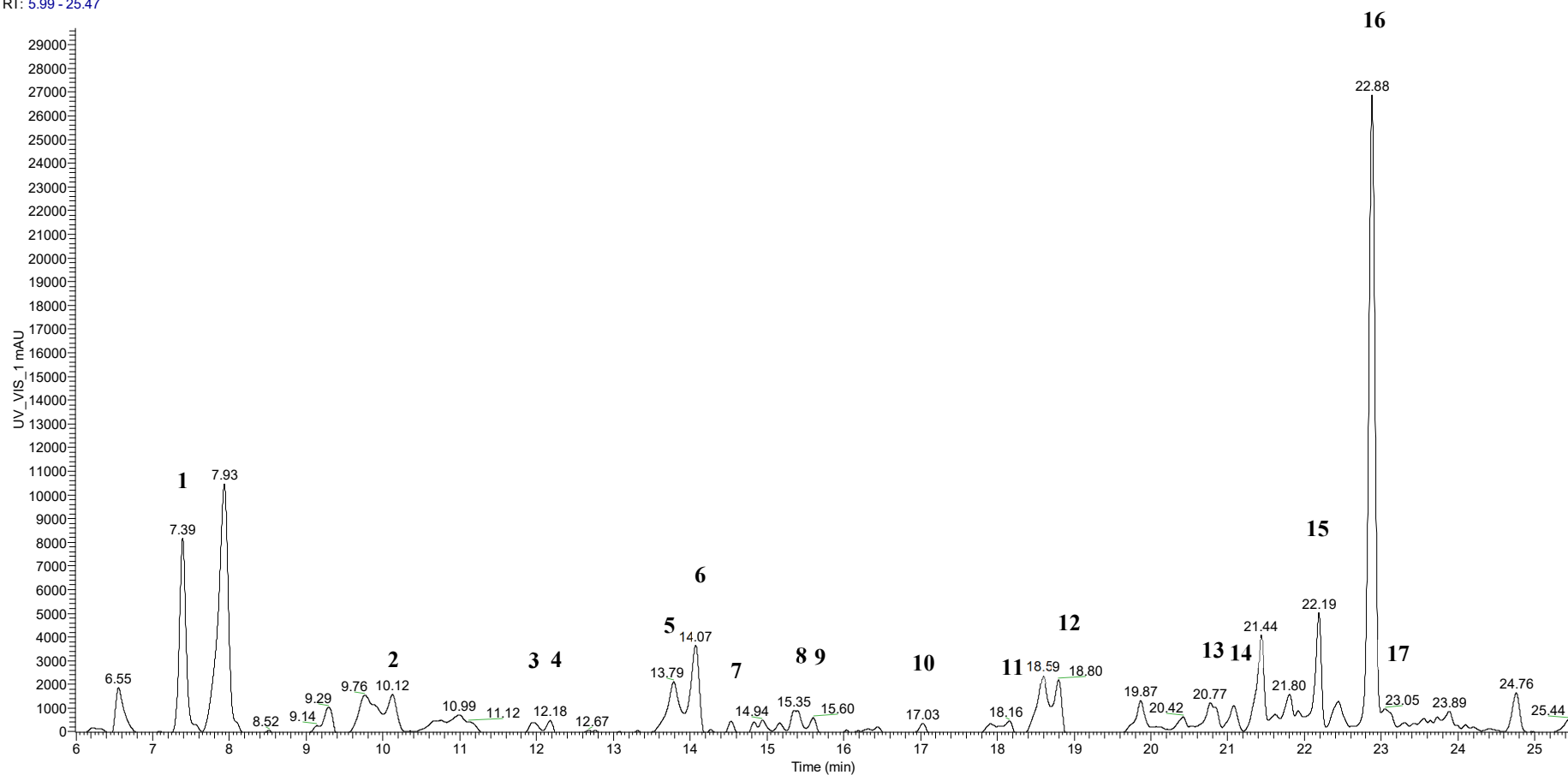


Figure S1. Full scan on a HPLC-MS, and the phenolic compounds identified for pericarp. **1**= Coumaroylquinic acid derivative 1; **2**= Caffeic acid hexoside 1; **3**= Caffeic acid hexoside 2; **4**= *p*-coumaroylquinic acid; **5**= Caffeic acid hexoside derivative; **6**= Ferulic acid hexoside 1; **7**= Ferulic acid hexoside 2; **8**= Chlorogenic acid; **9**= Apigenin pentosyl hexoside 1 ; **10**= Apigenin pentosyl hexoside 2; **11**= Apigenin pentosyl hexoside 3; **12**= Luteolin-8-C-hexoside 1; **13**= Luteolin-8-C-hexoside 2; **14**= Kaempferol dihexoside; **15**= Quercetin rutinoside ; **16**= Quercetin rhamnoside; **17**= Luteolin-7-O- hexoside; **18**= Isorhamnetin rhamnoside.

RT: 6.99 - 26.11

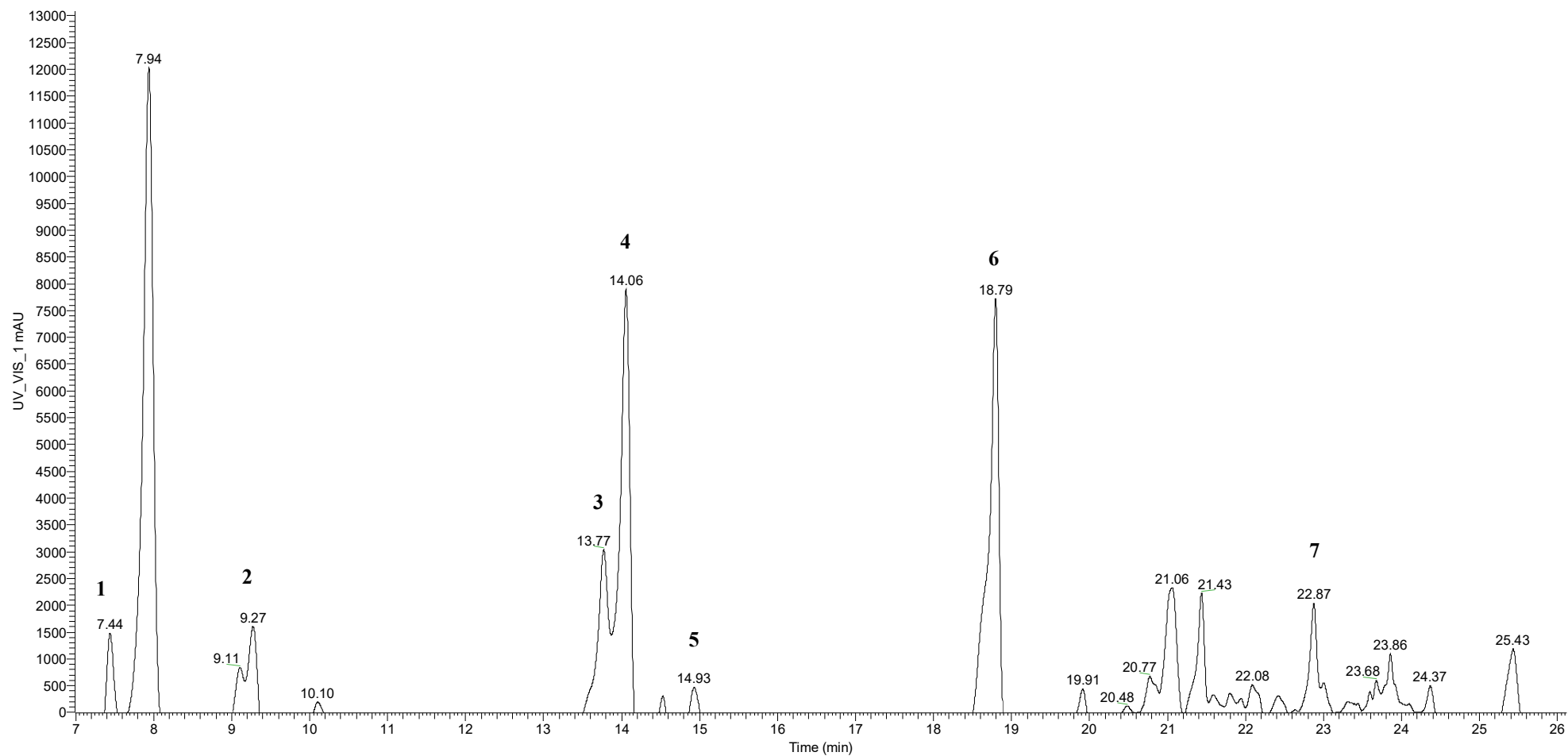


Figure S2. Full scan on a HPLC-MS, and the phenolic compounds identified for placenta. **1**= Coumaroylquinic acid derivative **1**; **2**= Tricin; **3**= Caffeic acid hexoside derivative; **4**= Ferulic acid hexoside **1**; **5**= Apigenin pentosyl hexoside **1**; **6**= Luteolin-8-C-hexoside **1**; **7**= Quercetin rhamnoside.

RT: 9.82 - 27.78

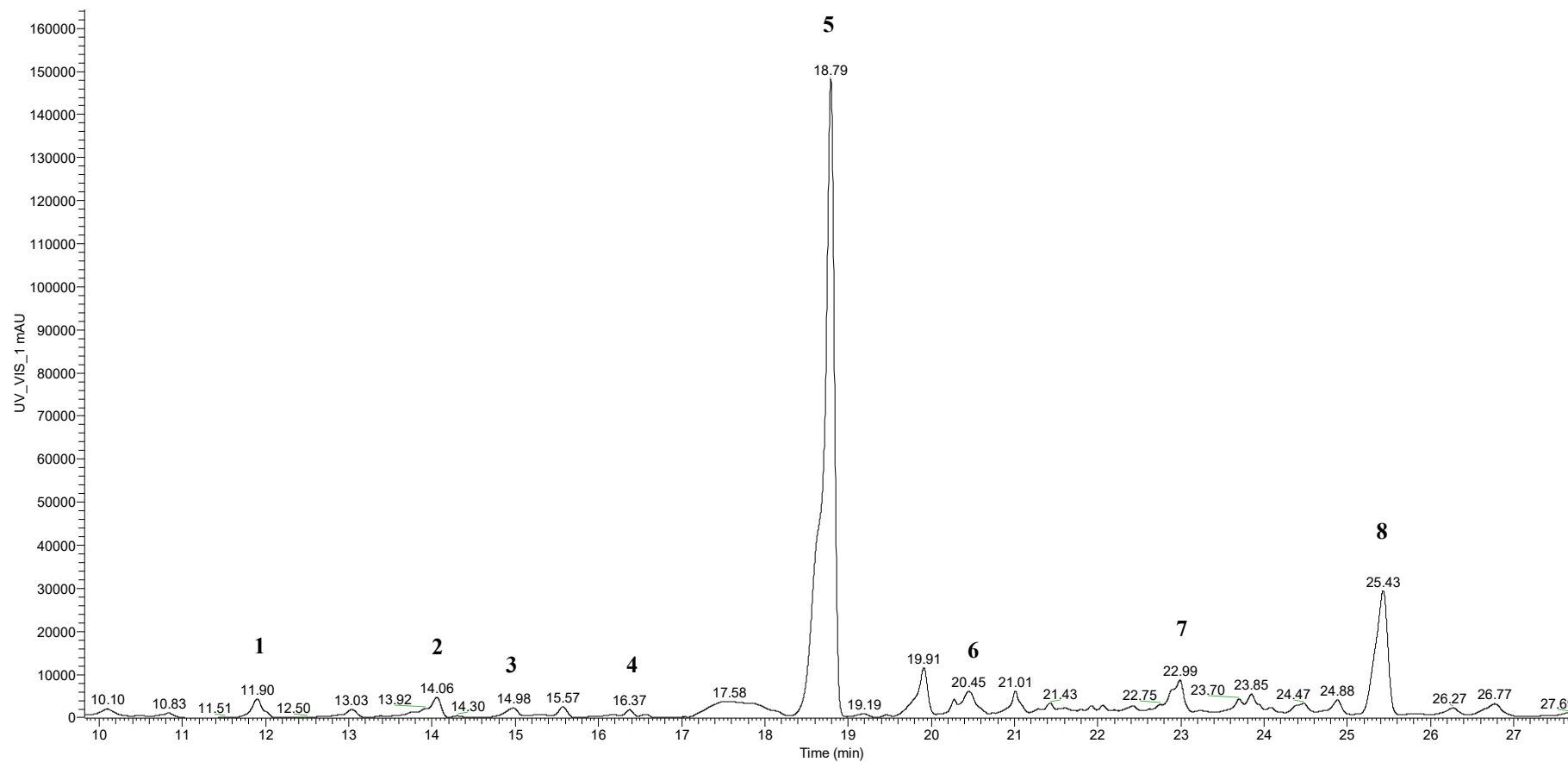


Figure S3. Full scan on a HPLC-MS, and the phenolic compounds identified for seeds. **1**= Caffeic acid hexoside 2; **2**= Ferulic acid hexoside 1; **3**= Ferulic acid hexoside 2; **4**= Caffeic acid hexoside 3; **5**= Luteolin-8-C-hexoside 1; **6**= Luteolin-8-C-hexoside 2; **7**= Kaempferol hexoside 1; **8**= Kaempferol hexoside 2

Table S1. Individual and total phenolics of three fruit parts of the 'Somborka' cultivar under salt stressed (mg 100 g⁻¹ DW; mean ± SE).

Cultivar	Fruit part	Phenolics	Treatment						
			Control		20 mM NaCl		40 mM NaCl	Significance	
'Somborka'	Pericarp	Coumaroylquinic acid derivative 1	13.91 ± 1.15	c	23.55 ± 4.82	b	35.46 ± 9.37	a	***
		Caffeic acid hexoside 1	4.79 ± 1.10	c	25.37 ± 6.88	b	37.10 ± 2.90	a	***
		Caffeic acid hexoside 2	15.92 ± 4.44	a	16.65 ± 3.68	a	8.93 ± 1.40	a	NS
		<i>p</i> -coumaroylquinic acid	5.67 ± 1.22	c	6.71 ± 1.47	b	7.82 ± 1.08	a	***
		Caffeic acid hexoside derivative	3.60 ± 0.84	c	12.55 ± 3.44	b	45.15 ± 5.28	a	**
		Ferulic acid hexoside 1	1.18 ± 0.24	c	17.42 ± 5.43	b	74.19 ± 4.03	a	***
		Ferulic acid hexoside 2	7.94 ± 0.93	c	7.67 ± 1.11	b	10.18 ± 1.48	a	***
		Chlorogenic acid	5.48 ± 0.98	c	20.40 ± 4.11	b	43.67 ± 1.49	a	***
		Total analyzed Hydroxycinnamic acids	58.49 ± 5.42	c	130.32 ± 6.28	b	262.5 ± 3.52	a	***
		Apigenin pentysil hexoside 1	0.04 ± 0.01	c	8.07 ± 3.60	b	14.67 ± 3.56	a	***
		Apigenin pentosyl hexoside 2	11.56 ± 1.09	a	13.35 ± 1.96	a	12.93 ± 4.55	a	NS
		Apigenin pentosyl hexoside 3	17.62 ± 2.18	c	29.29 ± 1.24	b	59.18 ± 4.29	a	***
		Luteolin-8-C-hexoside 1	185.64 ± 4.97	c	281.02 ± 7.28	b	366.11 ± 8.35	a	**
		Luteolin-8-C-hexoside 2	13.99 ± 6.99	c	112.64 ± 13.77	b	151.90 ± 26.37	a	***
		Luteolin-7- <i>O</i> - hexoside	699.42 ± 35.10	c	968.03 ± 68.98	b	1190.90 ± 75.83	a	***

Placenta	Total analyzed Flavone	916.66 ± 10.63	c	1412.41 ± 34.63	b	1795.70 ± 37.65	a	***
	Kaempferol dihexoside	3.60 ± 9.43	c	8.47 ± 0.41	b	9.43 ± 0.85	a	*
	Quercetin rutinoside	7.14 ± 1.63	a	32.75 ± 4.55	a	19.63 ± 1.98	a	NS
	Quercetin rhamnoside	255.50 ± 4.22	c	362.60 ± 5.22	b	304.22 ± 2.48	a	**
	Isoramnetin rhamnoside	23.17 ± 4.12	c	26.81 ± 1.23	b	34.14 ± 3.00	a	***
	Total analyzed Flavonols	289.41 ± 20.63	c	430.63 ± 32.59	b	367.42 ± 29.86	a	***
	Total analyzed phenolics	1264.56 ± 43.63	c	1973.36 ± 99.60	b	2425.62 ± 123.83	a	***
	Coumaroylquinic acid derivative 1	65.47 ± 1.31	a	29.69 ± 1.56	c	53.94 ± 5.92	b	***
	Caffeic acid hexoside derivative	133.74 ± 6.32	a	25.18 ± 1.17	c	71.84 ± 6.35	b	***
	Ferulic acid hexoside 1	182.60 ± 14.86	a	31.90 ± 5.73	c	119.18 ± 9.78	b	*
	Total analyzed Hydroxycinnamic acids	381.81 ± 22.62	a	86.77 ± 8.55	c	244.96 ± 9.42	b	***
	Apigenin pentosyl hexoside 1	54.18 ± 2.50	a	36.99 ± 1.05	a	42.01 ± 6.90	a	NS
	Luteolin-8-C-hexoside 1	317.26 ± 4.94	a	106.88 ± 4.72	c	219.63 ± 8.31	b	**
Seeds	Tricin	328.68 ± 16.28	a	229.13 ± 7.25	a	389.80 ± 4.65	a	NS
	Total analyzed Flavone	700.11 ± 65.43	a	372.99 ± 21.35	c	651.44 ± 23.55	b	***
	Quercetin rhamnoside	31.46 ± 1.32	a	19.77 ± 7.78	a	71.47 ± 6.70	a	NS
	Total analyzed Flavonols	31.46 ± 1.32	a	19.77 ± 7.78	a	71.47 ± 6.70	a	NS
	Total analyzed phenolics	1133.28 ± 78.72	a	512.06 ± 60.09	c	1008.99 ± 45.49	b	***
	Caffeic acid hexoside 2	149.61 ± 5.75	a	201.24 ± 2.19	a	111.15 ± 1.24	a	NS
	Ferulic acid hexoside 1	25.03 ± 5.22	b	53.98 ± 7.13	a	50.92 ± 6.03	a	***
	Ferulic acid hexoside 2	34.77 ± 22.42	a	59.59 ± 17.99	a	37.64 ± 1.58	a	NS

Caffeic acid hexoside 3	598.91 ± 18.43	b	1421.31 ± 98.25	a	1488.02 ± 35.89	a	***
Total analyzed Hydroxycinnamic acids	808.31 ± 43.42	b	1736.12 ± 53.66	a	1687.73 ± 26.45	a	***
Luteolin-8-C-hexoside 1	1016.98 ± 49.40	b	2410.33 ± 44.89	a	1135.74 ± 47.41	ab	**
Luteolin-8-C-hexoside 2	102.20 ± 3.34	c	148.43 ± 9.61	b	758.22 ± 49.82	a	***
Total analyzed Flavone	1119.18 ± 56.53	c	2558.76 ± 63.98	a	1893.96 ± 47.86	b	**
Kempferol hexoside 1	13.71 ± 3.64	c	18.65 ± 6.58	b	206.72 ± 25.64	a	***
Kempferol hexoside 2	24.39 ± 9.99	a	18.25 ± 12.90	a	25.19 ± 2.36	a	NS
Total analyzed Flavonols	38.09 ± 1.52	b	36.90 ± 2.31	b	231.91 ± 10.52	a	***
Total analyzed phenolics	1965.58 ± 58.85	c	4331.78 ± 77.74	a	3813.60 ± 73.08	b	***

different letters in the row (a, b, c) indicates statistical differences among treatments Significance codes: *** ≤ 0.001; ** ≤ 0.01; * ≤ 0.05; NS > 0.05

Table S2. Individual and total phenolics of three fruit parts of the 'Novosadka' cultivar under salt stressed (mg 100 g⁻¹ DW; mean \pm SE).

Cultivar	Fruit part	Phenolics	Treatment						
			Control		20 mM NaCl		40 mM NaCl		Significance
'Novosadka'	Pericarp	Coumaroylquinic acid derivative 1	24.40 ± 9.10	a	20.78 ± 4.36	a	34.83 ± 7.02	a	NS
		Caffeic acid hexoside 1	29.49 ± 1.28	a	17.59 ± 3.28	a	26.91 ± 1.20	a	NS
		Caffeic acid hexoside 2	21.63 ± 4.87	a	11.70 ± 4.56	a	31.87 ± 1.85	a	NS
		<i>p</i> -coumaroylquinic acid	6.13 ± 1.46	a	3.53 ± 0.19	a	8.80 ± 0.84	a	NS
		Caffeic acid hexoside derivative	21.93 ± 5.90	a	19.22 ± 2.29	a	29.11 ± 4.10	a	NS
		Ferulic acid hexoside 1	17.87 ± 5.80	c	19.30 ± 3.84	b	27.05 ± 0.47	a	***
		Ferulic acid hexoside 2	4.59 ± 0.14	a	8.85 ± 3.26	a	6.40 ± 3.16	a	NS
		Chlorogenic acid	21.40 ± 4.74	a	30.09 ± 7.37	a	22.39 ± 2.70	a	NS
		Total analyzed Hydroxycinnamic acids	147.49 ± 2.16	a	131.06 ± 3.17	a	187.36± 2.63	a	NS
		Apigenin pentysil hexoside 1	5.97 ± 1.07	a	12.95 ± 3.63	a	6.78 ± 0.53	a	NS
		Apigenin pentosyl hexoside 2	2.77 ± 0.66	a	5.18 ± 1.99	a	0.96 ± 0.20	a	NS
		Apigenin pentosyl hexoside 3	13.43 ± 4.56	a	22.12 ± 2.25	a	20.97 ± 5.23	a	NS
		Luteolin-8-C-hexoside 1	89.15 ± 6.57	a	111.50 ± 21.97	a	106.26 ± 12.92	a	NS
		Luteolin-8-C-hexoside 2	81.98 ± 7.98	a	87.93 ± 18.05	a	67.05 ± 7.77	a	NS
		Luteolin-7- <i>O</i> - hexoside	644.07 ± 25.65	a	508.69 ± 11.18	a	568.56 ± 27.01	a	NS
		Total analyzed Flavone	837.36 ± 34.72	a	748.38 ± 45.24	a	770.58 ± 44.22	a	NS

Placenta	Kaempferol dihexoside	7.75 ± 2.89	a	2.80 ± 0.24	a	2.63 ± 0.94	a	NS
	Quercetin rutinoside	14.81 ± 3.16	a	7.52 ± 0.24	a	7.78 ± 0.45	a	NS
	Quercetin rhamnoside	163.72 ± 6.81	a	129.32 ± 5.98	a	227.23 ± 5.32	a	NS
	Isoramnetin rhamnoside	30.76 ± 4.69	a	14.26 ± 4.57	a	23.87 ± 1.24	a	NS
	Total analyzed Flavonols	217.04 ± 7.47	a	153.90 ± 9.60	a	261.51 ± 13.52	a	NS
	Total analyzed phenolics	1201.89 ± 64.99	a	1033.34 ± 43.57	a	1219.45 ± 54.74	a	NS
	Coumaroylquinic acid derivative 1	39.33 ± 14.07	a	52.23 ± 16.08	a	85.52 ± 11.23	a	NS
	Caffeic acid hexoside derivative	87.10 ± 11.61	a	196.82 ± 58.70	a	267.66 ± 31.88	a	NS
	Ferulic acid hexoside 1	155.61 ± 46.88	a	259.49 ± 79.09	a	387.70 ± 43.99	a	NS
	Total analyzed Hydroxycinnamic acids	282.04 ± 21.09	c	508.54 ± 20.67	b	740.88 ± 32.63	a	***
	Apigenin pentosyl hexoside 1	28.81 ± 4.88	a	53.83 ± 16.32	a	41.53 ± 8.20	a	NS
	Luteolin-8-C-hexoside 1	586.04 ± 245.96	b	734.40 ± 119.81	a	544.52 ± 28.21	b	**
	Tricin	524.95 ± 207.03	b	517.74 ± 151.90	b	812.36 ± 69.18	a	***
	Total analyzed Flavone	1139.79 ± 32.75	b	1305.97 ± 54.77	a	1398.40 ± 65.22	a	***
	Quercetin rhamnoside	17.32 ± 4.38	a	20.07 ± 7.89	a	37.65 ± 30.04	a	NS
	Total analyzed Flavonols	17.32 ± 4.38	a	20.07 ± 7.89	a	37.65 ± 30.04	a	NS
	Total analyzed phenolics	1493.15 ± 24.63	c	1834.58 ± 45.74	b	2176.93 ± 87.36	a	***
Seeds	Caffeic acid hexoside 2	31.10 ± 5.07	a	20.29 ± 0.73	a	30.61 ± 5.28	a	NS
	Ferulic acid hexoside 1	8.19 ± 5.39	c	22.31 ± 3.76	b	43.45 ± 15.14	a	***
	Ferulic acid hexoside 2	8.10 ± 2.29	a	7.82 ± 2.51	a	8.44 ± 0.84	a	NS
	Caffeic acid hexoside 3	28.60 ± 10.63	a	21.99 ± 11.04	a	12.98 ± 5.55	a	NS

Total analyzed Hydroxycinnamic acids	75.99 ± 1.42	b	72.40 ± 1.46	b	95.48 ± 1.72	a	***
Luteolin-8-C-hexoside 1	2313.24 ± 852.99	b	2370.60 ± 238.65	b	2733.34 ± 186.26	a	***
Luteolin-8-C-hexoside 2	240.19 ± 17.84	a	176.87 ± 26.01	a	239.70 ± 59.71	a	NS
Total analyzed Flavone	2553.42 ± 437.36	b	2547.47 ± 532.47	b	2973.03 ± 456.73	a	**
Kempferol hexoside 1	21.09 ± 10.09	a	19.42 ± 3.51	a	22.60 ± 5.03	a	NS
Kempferol hexoside 2	176.61 ± 13.49	a	161.83 ± 0.87	a	129.28 ± 20.90	a	NS
Total analyzed Flavonols	197.69 ± 2.52	a	181.25 ± 2.04	a	151.87 ± 2.01	a	NS
Total analyzed phenolics	2827.11 ± 232.52	b	2801.13 ± 321.53	b	3220.40 ± 432.42	a	***

different letters in the row (a, b, c) indicates statistical differences among treatments Significance codes: *** ≤ 0.001; ** ≤ 0.01; * ≤ 0.05; NS > 0.05

Table S3. Individual and total phenolics of three fruit parts of the 'Berenyi F1' cultivar under salt stressed (mg 100 g⁻¹ DW; mean \pm SE).

Cultivar	Fruit part	Phenolics	Treatment				
			Control	20 mM NaCl	40 mM NaCl	Significance	
'Berenyi F1'	Pericarp	Coumaroylquinic acid derivative 1	9.83 \pm 2.05 a	10.10 \pm 2.77 a	9.16 \pm 3.23 a	NS	
		Caffeic acid hexoside 1	33.22 \pm 5.01 b	46.35 \pm 4.34 a	43.35 \pm 6.09 a	**	
		Caffeic acid hexoside 2	10.77 \pm 4.33 a	8.11 \pm 4.11 a	19.15 \pm 5.20 a	NS	
		<i>p</i> -coumaroylquinic acid	6.52 \pm 1.33 a	5.82 \pm 0.96 a	10.61 \pm 2.69 a	NS	
		Caffeic acid hexoside derivative	53.16 \pm 7.02 a	28.27 \pm 13.90 a	54.15 \pm 10.31 a	NS	
		Ferulic acid hexoside 1	71.96 \pm 10.61 a	28.73 \pm 11.44 b	82.94 \pm 14.48 a	***	
		Ferulic acid hexoside 2	5.49 \pm 1.09 a	3.94 \pm 1.75 a	3.57 \pm 0.75 a	NS	
		Chlorogenic acid	16.65 \pm 4.00 b	58.03 \pm 40.07 a	13.14 \pm 5.51 b	***	
		Total analyzed Hydroxycinnamic acids	207.60 \pm 10.77 b	189.35 \pm 9.84 b	236.07 \pm 12.63 a	***	
		Apigenin pentosyl hexoside 1	8.71 \pm 2.79 a	10.01 \pm 1.63 a	7.39 \pm 1.44 a	NS	
		Apigenin pentosyl hexoside 2	3.10 \pm 0.20 a	8.53 \pm 3.43 a	2.59 \pm 0.85 a	NS	
		Apigenin pentosyl hexoside 3	18.49 \pm 2.15 a	19.45 \pm 11.95 a	21.57 \pm 4.18 a	NS	
		Luteolin-8-C-hexoside 1	230.46 \pm 50.78 a	129.77 \pm 63.76 b	88.62 \pm 12.72 b	**	
		Luteolin-8-C-hexoside 2	197.93 \pm 2.96 a	155.58 \pm 5.60 a	174.01 \pm 4.85 a	NS	
		Luteolin-7- <i>O</i> - hexoside	254.93 \pm 2.44 c	353.62 \pm 9.38 b	416.46 \pm 44.77 a	***	
		Total analyzed Flavone	713.61 \pm 21.08 a	676.95 \pm 10.63 a	710.64 \pm 9.75 a	NS	
		Kaempferol dihexoside	2.22 \pm 0.74 a	5.24 \pm 2.80 a	0.74 \pm 0.51 a	NS	

	Quercetin rutinoside	N/D		N/D		N/D	NS
	Quercetin rhamnoside	92.27 ± 7.37	a	121.64 ± 9.29	a	107.29 ± 4.12	NS
	Isoramnnetin rhamnoside	26.84 ± 1.79	b	35.31 ± 7.33	a	34.87 ± 7.26	***
	Total analyzed Flavonols	121.33 ± 1.75	a	162.19 ± 2.07	a	142.90 ± 1.88	NS
	Total analyzed phenolics	1042.54 ± 67.73	a	1028.49 ± 59.34	a	1089.61 ± 44.64	NS
Placenta	Coumaroylquinic acid derivative 1	51.87 ± 16.65	a	31.29 ± 5.24	a	25.41 ± 7.27	NS
	Caffeic acid hexoside derivative	181.90 ± 32.42	a	220.74 ± 20.36	a	180.99 ± 36.84	NS
	Ferulic acid hexoside 1	250.04 ± 34.79	a	283.25 ± 39.73	a	265.40 ± 35.34	NS
	Total analyzed Hydroxycinnamic acids	483.81 ± 23.63	a	535.28 ± 33.58	a	471.80 ± 48.00	NS
	Apigenin pentysil hexoside 1	33.46 ± 3.08	a	35.83 ± 6.50	a	27.14 ± 1.42	NS
	Luteolin-8-C-hexoside 1	648.93 ± 53.20	a	806.15 ± 88.19	a	659.29 ± 28.70	NS
	Tricin	386.81 ± 107.47	a	271.96 ± 47.16	a	404.62 ± 31.77	NS
	Total analyzed Flavone	1069.20 ± 25.42	a	1113.93 ± 54.58	a	1091.04 ± 39.64	NS
	Quercetin rhamnoside	27.44 ± 21.84	a	28.79 ± 18.24	a	9.07 ± 2.02	NS
	Total analyzed Flavonols	27.44 ± 21.84	a	28.79 ± 18.24	a	9.07 ± 2.02	NS
	Total analyzed phenolics	1580.45 ± 133.49	a	1678.00 ± 143.64	a	1571.91 ± 166.63	NS
Seeds	Caffeic acid hexoside 2	23.02 ± 2.08	a	21.75 ± 1.18	a	22.81 ± 0.91	NS
	Ferulic acid hexoside 1	10.20 ± 3.63	a	9.07 ± 1.46	a	25.23 ± 10.41	NS
	Ferulic acid hexoside 2	6.27 ± 0.08	a	6.27 ± 0.35	a	6.59 ± 0.64	NS
	Caffeic acid hexoside 3	6.16 ± 1.82	a	7.08 ± 1.26	a	6.61 ± 1.81	NS
	Total analyzed Hydroxycinnamic acids	45.64 ± 1.43	a	44.17 ± 1.50	b	61.23 ± 1.67	***

Luteolin-8-C-hexoside 1	3687.84 ± 229.04	a	4177.32 ± 613.57	a	3880.09 ± 365.23	a	NS
Luteolin-8-C-hexoside 2	140.93 ± 16.31	a	130.35 ± 10.79	a	167.68 ± 19.50	a	NS
Total analyzed Flavone	3828.76 ± 284.84	b	4307.66 ± 363.60	a	4047.76 ± 401.46	ab	**
Kempferol hexoside 1	37.02 ± 1.11	a	33.08 ± 0.94	a	40.03 ± 4.67	a	NS
Kempferol hexoside 2	157.73 ± 2.00	a	131.60 ± 9.54	a	149.43 ± 4.21	a	NS
Total analyzed Flavonols	194.75 ± 2.47	a	164.67 ± 1.99	a	189.45 ± 1.68	a	NS
Total analyzed phenolics	4069.15 ± 305.47	b	4516.51 ± 436.42	a	4298.46 ± 399.47	a	***

N/D = not determined; different letters in the row (a, b, c) indicates statistical differences among treatments Significance codes: *** ≤ 0.001; ** ≤ 0.01; * ≤ 0.05; NS > 0.05

Table S4. Individual and total phenolics of three fruit parts of the 'Caro F1' cultivar under salt stressed (mg 100 g⁻¹ DW; mean ± SE).

Cultivar	Fruit part	Phenolics	Treatment					Significance
			Control	20 mM NaCl	40 mM NaCl			
'Caro F1'	Pericarp	Coumaroylquinic acid derivative 1	13.57 ± 2.35 c	38.56 ± 2.35 a	16.89 ± 9.52 b			**
		Caffeic acid hexoside 1	9.98 ± 0.59 b	24.16 ± 7.78 a	21.84 ± 4.11 a			***
		Caffeic acid hexoside 2	16.23 ± 2.24 a	31.46 ± 5.98 a	34.18 ± 3.85 a			NS
		<i>p</i> -coumaroylquinic acid	2.91 ± 1.22 c	13.86 ± 6.51 b	23.52 ± 6.68 a			***
		Caffeic acid hexoside derivative	19.88 ± 4.91 b	30.07 ± 3.62 a	27.69 ± 8.31 a			***
		Ferulic acid hexoside 1	10.94 ± 2.48 b	31.37 ± 1.64 a	27.84 ± 1.32 a			***
		Ferulic acid hexoside 2	2.73 ± 1.66 b	4.10 ± 0.99 a	5.59 ± 0.30 a			***
		Chlorogenic acid	11.76 ± 2.78 c	16.96 ± 6.70 b	36.79 ± 4.42 a			***
		Total analyzed Hydroxycinnamic acids	88.00 ± 2.68 b	190.54 ± 10.74 a	194.34 ± 10.85 a			***
		Apigenin pentosyl hexoside 1	16.80 ± 7.92 a	14.50 ± 9.55 a	7.09 ± 1.75 a			NS
		Apigenin pentosyl hexoside 2	10.98 ± 6.99 a	7.94 ± 1.83 a	17.52 ± 4.84 a			NS
		Apigenin pentosyl hexoside 3	16.10 ± 4.86 a	18.73 ± 1.68 a	37.89 ± 14.77 a			NS
		Luteolin-8-C-hexoside 1	176.30 ± 16.53 c	284.46 ± 117.92 b	379.29 ± 26.33 a			**
		Luteolin-8-C-hexoside 2	137.21 ± 26.78 a	173.00 ± 55.01 a	133.23 ± 26.51 a			NS
		Luteolin-7- <i>O</i> - hexoside	396.20 ± 28.31 c	751.76 ± 50.17 b	924.38 ± 17.86 a			***
		Total analyzed Flavone	753.60 ± 5.53 c	1250.38 ± 97.63 b	1499.40 ± 101.57 a			***
		Kaempferol dihexoside	2.50 ± 3.60 c	5.01 ± 8.47 b	8.98 ± 9.43 a			**

Placenta	Quercetin rutinoside	43.33 ± 7.14	c	60.74 ± 32.75	b	128.39 ± 19.63	a	***
	Quercetin rhamnoside	123.04 ± 25.50	c	321.61 ± 32.60	b	432.93 ± 34.22	a	**
	Isoramnetin rhamnoside	17.74 ± 5.52	c	29.18 ± 7.63	b	39.35 ± 1.50	a	***
	Total analyzed Flavonols	186.61 ± 1.24	c	416.54 ± 2.46	b	609.65 ± 5.99	a	***
	Total analyzed phenolics	1028.21 ± 78.89	c	1857.46 ± 99.47	b	2303.39 ± 127.54	a	***
	Coumaroylquinic acid derivative 1	16.59 ± 1.03	c	158.81 ± 8.37	a	66.05 ± 8.46	b	***
	Caffeic acid hexoside derivative	64.21 ± 11.89	a	128.64 ± 25.28	a	82.99 ± 5.57	a	NS
	Ferulic acid hexoside 1	79.10 ± 32.20	a	145.10 ± 46.39	a	74.58 ± 8.88	a	NS
	Total analyzed Hydroxycinnamic acids	159.90 ± 11.53	b	432.55 ± 43.60	a	223.62 ± 32.45	b	***
	Apigenin pentysil hexoside 1	34.46 ± 15.25	a	52.95 ± 18.00	a	28.20 ± 5.41	a	NS
	Luteolin-8-C-hexoside 1	804.98 ± 88.34	a	436.74 ± 40.89	b	519.22 ± 120.73	b	***
	Tricin	366.43 ± 39.89	a	325.15 ± 17.15	a	217.76 ± 45.34	a	NS
	Total analyzed Flavone	1205.87 ± 77.34	a	814.83 ± 54.42	b	765.19 ± 43.42	b	***
	Quercetin rhamnoside	75.23 ± 37.70	a	23.77 ± 14.83	b	30.21 ± 15.71	b	***
	Total analyzed Flavonols	75.22 ± 6.52	a	23.76 ± 1.08	b	30.21 ± 1.99	b	***
	Total analyzed phenolics	1440.99 ± 77.74	a	1271.14 ± 84.25	b	1019.02 ± 25.55	b	***
Seeds	Caffeic acid hexoside 2	18.10 ± 1.74	a	19.94 ± 1.69	a	15.32 ± 2.38	a	NS
	Ferulic acid hexoside 1	7.44 ± 1.93	b	12.08 ± 4.06	a	15.64 ± 2.22	a	**
	Ferulic acid hexoside 2	4.50 ± 0.82	a	6.20 ± 0.31	a	6.35 ± 0.59	a	NS
	Caffeic acid hexoside 3	6.22 ± 3.32	a	6.69 ± 0.36	a	9.92 ± 6.25	a	NS
	Total analyzed Hydroxycinnamic acids	36.25 ± 1.75	b	44.90 ± 2.77	a	47.23 ± 2.52	a	***

Luteolin-8-C-hexoside 1	2269.96 ± 60.15	a	1486.43 ± 214.45	b	1090.42 ± 92.76	c	***
Luteolin-8-C-hexoside 2	155.85 ± 17.91	a	267.99 ± 50.61	a	241.51 ± 28.13	a	NS
Total analyzed Flavone	2425.80 ± 43.64	a	1754.42 ± 50.65	b	1331.92 ± 54.35	c	***
Kempferol hexoside 1	33.51 ± 7.00	a	15.79 ± 5.05	b	14.63 ± 2.89	b	***
Kempferol hexoside 2	89.25 ± 11.46	a	84.23 ± 19.70	a	64.58 ± 16.06	a	NS
Total analyzed Flavonols	122.75 ± 5.67	a	100.02 ± 5.09	b	79.20 ± 2.53	b	***
Total analyzed phenolics	2584.82 ± 452.36	a	1899.34 ± 325.50	b	1458.36 ± 408.74	c	***

different letters in the row (a, b, c) indicates statistical differences among treatments Significance codes: *** ≤ 0.001; ** ≤ 0.01; * ≤ 0.05; NS > 0.05

Table S5. Individual and total capsaicinoid contents of three fruit parts of the four cultivars under salt stressed (mg 100 g⁻¹ DW; mean ± SE).

	Treatment / capsaicinoid	Treatment			Significance
		Control	20 mM NaCl	40 mM NaCl	
	Capsaicin	0.02 ± 0.01 c	1.86 ± 0.06 b	2.67 ± 0.24 a	***
	Dihydrocapsaicin	0.01 ± 0.00 c	0.28 ± 0.05 a	0.31 ± 0.08 a	***
	Nordihydrocapsaicin	N/D	N/D	N/D	NS
	Homocapsaicin	N/D	N/D	N/D	NS
	Homodihydrocapsaicin	N/D	N/D	N/D	NS
	Total capsaicinoids	0.03 ± 0.01 c	2.15 ± 0.13 b	2.99 ± 0.53 a	***
'Somborka'	Capsaicin	0.19 ± 0.04 c	14.39 ± 1.95 b	202.77 ± 2.80 a	***
	Dihydrocapsaicin	0.05 ± 0.02 c	2.51 ± 0.40 b	25.85 ± 5.71 a	***
	Nordihydrocapsaicin	0.00 ± 0.00 c	0.12 ± 0.03 b	0.55 ± 0.55 a	**
	Homocapsaicin	0.02 ± 0.01 c	0.47 ± 0.14 b	3.42 ± 3.42 a	***
	Homodihydrocapsaicin	0.00 ± 0.00 c	0.14 ± 0.02 b	0.99 ± 0.98 a	***
	Total capsaicinoids	0.26 ± 0.07 c	17.64 ± 2.54 b	233.58 ± 3.45 a	***
Seeds	Capsaicin	0.54 ± 0.20 c	3.82 ± 0.30 a	2.04 ± 1.08 b	***
	Dihydrocapsaicin	0.06 ± 0.01 c	0.62 ± 0.04 a	0.33 ± 0.16 b	***
	Nordihydrocapsaicin	0.00 ± 0.00 b	0.03 ± 0.00 a	0.01 ± 0.01 a	***
	Homocapsaicin	0.02 ± 0.01 b	0.05 ± 0.03 a	0.04 ± 0.03 a	***
	Homodihydrocapsaicin	N/D	N/D	N/D	NS

		Total capsaicinoids	0.62 ± 0.22 c	4.52 ± 0.22 a	2.44 ± 1.30 b	***
'Novosadka'	Pericarp	Capsaicin	4.32 ± 1.14 c	73.35 ± 1.36 b	195.95 ± 7.75 a	***
		Dihydrocapsaicin	0.61 ± 0.15 c	11.17 ± 3.60 b	38.55 ± 2.33 a	***
		Nordihydrocapsaicin	0.04 ± 0.01 c	0.48 ± 0.17 b	1.85 ± 0.06 a	***
		Homocapsaicin	0.07 ± 0.03 c	3.26 ± 1.21 b	11.74 ± 0.43 a	***
		Homodihydrocapsaicin	0.02 ± 0.00 c	0.87 ± 0.42 b	4.06 ± 0.12 a	***
		Total capsaicinoids	5.06 ± 1.34 c	89.12 ± 6.77 b	252.15 ± 10.70 a	***
	Placenta	Capsaicin	27.11 ± 2.60 c	184.87 ± 6.90 b	526.04 ± 3.88 a	***
		Dihydrocapsaicin	5.44 ± 0.60 c	42.54 ± 12.34 b	118.07 ± 9.98 a	***
		Nordihydrocapsaicin	0.41 ± 0.09 c	1.92 ± 0.35 b	5.61 ± 0.37 a	***
		Homocapsaicin	0.81 ± 0.04 c	6.63 ± 1.93 b	28.58 ± 1.88 a	***
		Homodihydrocapsaicin	0.38 ± 0.07 c	3.17 ± 0.45 b	9.95 ± 0.48 a	***
		Total capsaicinoids	34.15 ± 3.38 c	239.12 ± 6.97 b	688.25 ± 4.59 a	***
	Seeds	Capsaicin	13.57 ± 2.52 c	116.41 ± 2.39 b	388.97 ± 4.24 a	***
		Dihydrocapsaicin	3.06 ± 0.73 c	29.96 ± 6.90 b	120.05 ± 10.24 a	***
		Nordihydrocapsaicin	0.20 ± 0.05 c	1.47 ± 0.39 b	7.11 ± 0.57 a	***
		Homocapsaicin	0.64 ± 0.14 c	4.95 ± 1.65 b	32.58 ± 3.77 a	**
		Homodihydrocapsaicin	0.19 ± 0.06 c	1.93 ± 0.60 b	13.35 ± 1.69 a	***
		Total capsaicinoids	17.67 ± 3.50 c	154.71 ± 30.93 b	562.05 ± 50.50 a	***
'Berenyi F1'	Pericarp	Capsaicin	8.47 ± 2.28 b	20.95 ± 14.49 a	18.09 ± 5.42 a	***
		Dihydrocapsaicin	1.19 ± 0.34 b	2.86 ± 2.13 a	2.93 ± 1.01 a	***
		Nordihydrocapsaicin	0.06 ± 0.03 b	0.18 ± 0.16 a	0.25 ± 0.13 a	**

	Homocapsaicin	0.48 ± 0.15	c	0.76 ± 0.44	b	1.27 ± 0.54	a	***
	Homodihydrocapsaicin	0.26 ± 0.03	a	0.29 ± 0.20	a	0.55 ± 0.26	a	NS
	Total capsaicinoids	10.46 ± 2.83	b	25.05 ± 17.43	a	23.08 ± 7.36	a	***
Placenta	Capsaicin	201.54 ± 7.41	a	114.84 ± 6.68	a	173.41 ± 3.84	a	NS
	Dihydrocapsaicin	38.96 ± 13.78	a	18.67 ± 8.07	a	30.39 ± 3.13	a	NS
	Nordihydrocapsaicin	4.08 ± 2.22	a	1.91 ± 0.86	a	1.83 ± 0.37	a	NS
	Homocapsaicin	15.71 ± 4.28	a	7.87 ± 3.12	a	12.95 ± 1.78	a	NS
	Homodihydrocapsaicin	10.79 ± 5.33	a	5.30 ± 2.30	a	4.61 ± 0.64	a	NS
	Total capsaicinoids	271.09 ± 9.02	a	148.59 ± 6.02	a	223.19 ± 29.77	a	NS
Seeds	Capsaicin	27.89 ± 4.57	b	29.30 ± 3.14	ab	42.92 ± 9.73	a	***
	Dihydrocapsaicin	4.88 ± 1.13	b	4.06 ± 0.38	b	11.13 ± 3.97	a	***
	Nordihydrocapsaicin	0.25 ± 0.08	a	0.24 ± 0.08	a	1.34 ± 0.84	a	NS
	Homocapsaicin	1.55 ± 0.19	a	1.27 ± 0.19	a	2.68 ± 0.49	a	NS
	Homodihydrocapsaicin	0.56 ± 0.07	a	0.45 ± 0.08	a	1.94 ± 1.13	a	NS
	Total capsaicinoids	35.14 ± 6.05	b	35.32 ± 3.87	b	60.00 ± 16.16	a	***
'Caro F1' Pericarp	Capsaicin	26.23 ± 1.04	c	75.91 ± 7.86	b	119.14 ± 9.46	a	**
	Dihydrocapsaicin	7.09 ± 2.83	c	11.60 ± 7.91	b	28.56 ± 6.79	a	***
	Nordihydrocapsaicin	0.25 ± 0.14	c	0.67 ± 0.38	b	2.57 ± 0.51	a	*
	Homocapsaicin	0.83 ± 0.42	c	2.73 ± 2.03	b	5.07 ± 0.79	a	***
	Homodihydrocapsaicin	0.56 ± 0.28	c	1.03 ± 0.72	b	2.93 ± 0.54	a	***
	Total capsaicinoids	34.96 ± 2.72	c	91.94 ± 8.90	b	158.27 ± 8.09	a	**

Placenta	Capsaicin	632.97 ± 12.88	b	1145.97 ± 40.29	a	1223.90 ± 33.16	a	***
	Dihydrocapsaicin	109.24 ± 36.03	c	247.79 ± 86.15	b	344.32 ± 144.34	a	***
	Nordihydrocapsaicin	8.66 ± 2.19	c	28.87 ± 7.17	b	41.30 ± 18.44	a	***
	Homocapsaicin	26.16 ± 12.97	b	73.13 ± 32.37	a	73.89 ± 19.90	a	***
	Homodihydrocapsaicin	13.11 ± 4.47	c	49.03 ± 4.72	b	62.73 ± 9.52	a	***
	Total capsaicinoids	790.15 ± 34.54	c	1544.80 ± 50.69	b	1746.14 ± 55.36	a	***
Seeds	Capsaicin	94.27 ± 10.57	c	163.28 ± 6.34	b	199.71 ± 5.94	a	***
	Dihydrocapsaicin	14.27 ± 1.58	c	28.84 ± 8.03	b	56.21 ± 4.05	a	**
	Nordihydrocapsaicin	1.18 ± 0.14	c	3.05 ± 0.63	b	5.92 ± 2.66	a	***
	Homocapsaicin	3.55 ± 0.46	b	8.39 ± 3.86	a	8.67 ± 1.51	a	***
	Homodihydrocapsaicin	1.64 ± 0.04	c	3.69 ± 0.97	b	5.54 ± 2.34	a	***
	Total capsaicinoids	114.90 ± 12.79	c	207.24 ± 7.83	b	276.05 ± 7.51	a	***

N/D = not determined; different letters in the row (a, b, c) indicates statistical differences among treatments Significance codes: *** ≤ 0.001; ** ≤ 0.01; * ≤ 0.05; NS > 0.05