

**Table S1.** Influence of the main variables and their interaction on polyphenolic profile of raspberry fruits.

Variables		CA	pCOU	FA	EA
A (viral status)	1 (infected)	7.9 ± 2.7	9.2 ± 8.7 <sup>a</sup>	8.1 ± 2.7 <sup>b</sup>	251.7 ± 121.6 <sup>a</sup>
	2 (negative)	7.6 ± 2.8	5.3 ± 2.8 <sup>b</sup>	8.8 ± 4.5 <sup>a</sup>	229.6 ± 127.1 <sup>b</sup>
B (harvest year)	1 (2019)	9.6 ± 2.3 <sup>a</sup>	6.7 ± 3.6 <sup>b</sup>	10.6 ± 4.1 <sup>a</sup>	161.6 ± 46.6 <sup>b</sup>
	2 (2020)	5.9 ± 1.6 <sup>b</sup>	7.8 ± 8.8 <sup>a</sup>	6.3 ± 1.2 <sup>b</sup>	319.7 ± 125.7 <sup>a</sup>
C (locality)	1 (Bedina Varoš)	5.9 ± 2.3 <sup>c</sup>	10.0 ± 10.2 <sup>a</sup>	7.6 ± 2.4 <sup>b</sup>	172.0 ± 37.9 <sup>c</sup>
	2 (Devići)	7.5 ± 2.2 <sup>b</sup>	5.4 ± 1.3 <sup>c</sup>	8.8 ± 3.0 <sup>a</sup>	210.7 ± 105.4 <sup>b</sup>
	3 (Cerova)	9.8 ± 2.1 <sup>a</sup>	6.3 ± 4.8 <sup>b</sup>	8.9 ± 5.2 <sup>a</sup>	339.3 ± 137.6 <sup>a</sup>
A × B	1 × 1	9.9 ± 1.8	7.7 ± 3.9 <sup>b</sup>	9.5 ± 3.1 <sup>b</sup>	182.2 ± 42.0 <sup>b</sup>
	1 × 2	5.8 ± 1.7	10.7 ± 11.8 <sup>a</sup>	6.7 ± 1.4 <sup>c</sup>	321.2 ± 137.1 <sup>a</sup>
	1 × 3	9.3 ± 2.8	5.7 ± 3.3 <sup>c</sup>	11.7 ± 4.8 <sup>a</sup>	141.1 ± 43.6 <sup>c</sup>
	1 × 4	5.9 ± 1.6	4.8 ± 2.5 <sup>c</sup>	5.9 ± 0.9 <sup>c</sup>	318.2 ± 121.6 <sup>a</sup>
A × C	1 × 1	6.5 ± 3.2 <sup>bc</sup>	15.2 ± 12.3 <sup>a</sup>	9.5 ± 1.7 <sup>b</sup>	203.5 ± 13.0 <sup>d</sup>
	1 × 2	7.3 ± 1.6 <sup>b</sup>	5.2 ± 1.3 <sup>c</sup>	9.0 ± 3.4 <sup>b</sup>	189.2 ± 65.1 <sup>d</sup>
	1 × 3	9.8 ± 2.3 <sup>a</sup>	7.2 ± 6.0 <sup>b</sup>	5.7 ± 0.6 <sup>c</sup>	362.4 ± 153.9 <sup>a</sup>
	2 × 1	5.2 ± 1.0 <sup>c</sup>	4.8 ± 3.4 <sup>c</sup>	5.7 ± 1.1 <sup>c</sup>	140.5 ± 24.7 <sup>e</sup>
	2 × 2	7.7 ± 2.8 <sup>b</sup>	5.6 ± 1.4 <sup>c</sup>	8.6 ± 2.8 <sup>b</sup>	232.3 ± 138.1 <sup>c</sup>
	2 × 3	9.9 ± 2.2 <sup>a</sup>	5.5 ± 3.6 <sup>c</sup>	12.0 ± 6.0 <sup>a</sup>	316.2 ± 129.2 <sup>b</sup>
B × C	1 × 1	7.5 ± 2.2	2.9 ± 1.5 <sup>de</sup>	8.6 ± 2.6 <sup>b</sup>	156.4 ± 42.1 <sup>e</sup>
	1 × 2	9.4 ± 1.1	6.6 ± 0.4 <sup>c</sup>	11.6 ± 0.8 <sup>a</sup>	118.2 ± 13.8 <sup>f</sup>
	1 × 3	11.9 ± 0.5	10.6 ± 2.6 <sup>b</sup>	11.6 ± 6.5 <sup>a</sup>	210.3 ± 16.9 <sup>c</sup>
	2 × 1	4.2 ± 0.6	17.1 ± 10.2 <sup>a</sup>	6.6 ± 2.0 <sup>c</sup>	187.6 ± 28.5 <sup>d</sup>
	2 × 2	5.6 ± 0.8	4.2 ± 0.2 <sup>d</sup>	6.0 ± 0.3 <sup>c</sup>	303.3 ± 60.8 <sup>b</sup>
	2 × 3	7.8 ± 0.2	2.1 ± 0.3 <sup>e</sup>	6.2 ± 0.8 <sup>c</sup>	468.2 ± 38.3 <sup>a</sup>

Table S1 continued

Variables		RUT	ISO-Q	Q3-RHA	Q
A (viral status)	1 (infected)	109.2 ± 35.8 <sup>a</sup>	51.5 ± 12.9 <sup>a</sup>	55.5 ± 20.7	13.3 ± 15.2
	2 (negative)	73.0 ± 21.2 <sup>b</sup>	39.2 ± 19.6 <sup>b</sup>	55.9 ± 19.1	13.4 ± 15.8
B (harvest year)	1 (2019)	99.2 ± 28.8 <sup>a</sup>	34.5 ± 10.4 <sup>b</sup>	55.3 ± 13.5 <sup>b</sup>	7.6 ± 2.6 <sup>b</sup>
	2 (2020)	83.0 ± 38.2 <sup>b</sup>	56.2 ± 16.4 <sup>a</sup>	57.1 ± 24.7 <sup>a</sup>	19.1 ± 20.1 <sup>a</sup>
C (locality)	1 (Bedina Varoš)	103.7 ± 48.0 <sup>a</sup>	44.0 ± 11.1 <sup>b</sup>	72.7 ± 9.2 <sup>a</sup>	27.9 ± 19.7 <sup>a</sup>
	2 (Devići)	65.8 ± 7.8 <sup>b</sup>	49.8 ± 19.5 <sup>a</sup>	38.8 ± 13.0 <sup>c</sup>	6.6 ± 2.3 <sup>b</sup>
	3 (Cerova)	103.8 ± 18.6 <sup>a</sup>	42.2 ± 20.8 <sup>b</sup>	57.2 ± 18.5 <sup>b</sup>	5.6 ± 0.6 <sup>c</sup>
A × B	1 × 1	113.8 ± 33.6 <sup>a</sup>	41.5 ± 7.1 <sup>c</sup>	53.8 ± 10.8 <sup>c</sup>	7.7 ± 2.0
	1 × 2	104.6 ± 39.4 <sup>b</sup>	61.5 ± 8.7 <sup>a</sup>	59.2 ± 27.9 <sup>a</sup>	18.8 ± 20.4
	1 × 3	84.6 ± 12.3 <sup>c</sup>	27.4 ± 8.3 <sup>d</sup>	56.8 ± 16.4 <sup>b</sup>	7.5 ± 3.2
	1 × 4	61.4 ± 22.4 <sup>d</sup>	51.0 ± 20.8 <sup>b</sup>	55.0 ± 22.6 <sup>bc</sup>	19.3 ± 21.0
A × C	1 × 1	144.3 ± 5.6 <sup>a</sup>	54.1 ± 4.4 <sup>a</sup>	73.0 ± 10.8 <sup>a</sup>	26.3 ± 21.6 <sup>b</sup>
	1 × 2	63.0 ± 9.7 <sup>d</sup>	45.7 ± 9.6 <sup>b</sup>	31.2 ± 9.4 <sup>e</sup>	7.9 ± 2.7 <sup>c</sup>
	1 × 3	120.4 ± 7.3 <sup>b</sup>	54.6 ± 19.8 <sup>a</sup>	65.3 ± 7.7 <sup>b</sup>	5.6 ± 0.7 <sup>d</sup>
	2 × 1	63.2 ± 32.8 <sup>d</sup>	34.0 ± 2.6 <sup>c</sup>	72.4 ± 8.2 <sup>a</sup>	29.5 ± 19.6 <sup>a</sup>
	2 × 2	68.6 ± 4.5 <sup>d</sup>	53.8 ± 26.6 <sup>a</sup>	46.3 ± 12.1 <sup>d</sup>	5.3 ± 0.4 <sup>d</sup>
	2 × 3	87.3 ± 7.1 <sup>c</sup>	29.8 ± 14.0 <sup>d</sup>	49.1 ± 23.2 <sup>c</sup>	5.6 ± 0.4 <sup>d</sup>
B × C	1 × 1	119.4 ± 29.5 <sup>a</sup>	43.2 ± 8.6 <sup>c</sup>	64.1 ± 1.3 <sup>b</sup>	9.1 ± 2.9 <sup>b</sup>
	1 × 2	70.4 ± 3.3 <sup>d</sup>	33.3 ± 4.3 <sup>d</sup>	37.5 ± 3.1 <sup>d</sup>	7.8 ± 2.8 <sup>b</sup>
	1 × 3	107.9 ± 19.0 <sup>b</sup>	26.9 ± 10.7 <sup>e</sup>	64.3 ± 6.6 <sup>b</sup>	6.0 ± 0.4 <sup>c</sup>
	2 × 1	88.1 ± 60.0 <sup>c</sup>	45.0 ± 13.9 <sup>c</sup>	81.3 ± 2.2 <sup>a</sup>	46.7 ± 1.5 <sup>a</sup>
	2 × 2	61.2 ± 8.4 <sup>d</sup>	66.2 ± 13.2 <sup>a</sup>	39.9 ± 19.0 <sup>d</sup>	5.4 ± 0.4 <sup>c</sup>
	2 × 3	99.8 ± 19.0 <sup>b</sup>	57.6 ± 16.6 <sup>b</sup>	50.1 ± 24.3 <sup>c</sup>	5.2 ± 0.3 <sup>c</sup>

Table S1 continued

Variables		KAE	CY3-GLU	CY3-SOP	PHENOL
A (viral status)	1 (infected)	10.6 ± 4.8 <sup>a</sup>	62.0 ± 45.3 <sup>a</sup>	284.8 ± 207.7 <sup>a</sup>	289.4 ± 32.4
	2 (negative)	9.7 ± 4.3 <sup>b</sup>	57.3 ± 28.0 <sup>b</sup>	246.7 ± 114.6 <sup>b</sup>	289.3 ± 33.6
B (harvest year)	1 (2019)	12.9 ± 3.5 <sup>a</sup>	88.3 ± 30.2 <sup>a</sup>	400.9 ± 130.6 <sup>a</sup>	309.1 ± 29.0 <sup>a</sup>
	2 (2020)	7.4 ± 3.7 <sup>b</sup>	31.0 ± 14.2 <sup>b</sup>	130.6 ± 36.9 <sup>b</sup>	269.6 ± 22.5 <sup>b</sup>
C (locality)	1 (Bedina Varoš)	14.6 ± 2.8 <sup>a</sup>	68.6 ± 44.3 <sup>a</sup>	284.9 ± 196.5 <sup>b</sup>	279.5 ± 18.3 <sup>b</sup>
	2 (Devići)	9.4 ± 3.2 <sup>b</sup>	39.2 ± 19.2 <sup>b</sup>	188.5 ± 91.2 <sup>c</sup>	290.9 ± 42.5 <sup>b</sup>
	3 (Cerova)	6.4 ± 3.0 <sup>c</sup>	71.2 ± 37.2 <sup>a</sup>	313.8 ± 177.1 <sup>a</sup>	307.7 ± 25.9 <sup>a</sup>
A × B	1 × 1	13.6 ± 3.7	100.3 ± 31.2 <sup>a</sup>	467.4 ± 128.4 <sup>a</sup>	304.4 ± 36.0 <sup>b</sup>
	1 × 2	7.7 ± 3.9	23.6 ± 9.0 <sup>d</sup>	102.2 ± 17.1 <sup>d</sup>	274.3 ± 20.6 <sup>c</sup>
	1 × 3	12.2 ± 3.4	76.3 ± 25.2 <sup>b</sup>	334.4 ± 99.1 <sup>b</sup>	313.8 ± 21.1 <sup>a</sup>
	1 × 4	7.2 ± 3.7	38.4 ± 15.0 <sup>c</sup>	159.0 ± 28.1 <sup>c</sup>	264.8 ± 24.5 <sup>d</sup>
A × C	1 × 1	15.3 ± 3.3	74.0 ± 64.7 <sup>a</sup>	344.8 ± 273.5 <sup>a</sup>	263.7 ± 6.1 <sup>c</sup>
	1 × 2	9.8 ± 3.2	41.5 ± 23.1 <sup>c</sup>	196.0 ± 119.1 <sup>d</sup>	296.5 ± 46.6 <sup>ab</sup>
	1 × 3	6.9 ± 3.6	70.5 ± 38.9 <sup>ab</sup>	313.5 ± 207.7 <sup>b</sup>	307.9 ± 9.6 <sup>a</sup>
	2 × 1	14.0 ± 2.4	63.2 ± 8.8 <sup>b</sup>	245.1 ± 64.8 <sup>c</sup>	295.2 ± 10.2 <sup>b</sup>
	2 × 2	9.1 ± 3.5	36.9 ± 16.2 <sup>c</sup>	181.0 ± 63.0 <sup>e</sup>	265.3 ± 34.9 <sup>c</sup>
	2 × 3	6.0 ± 2.5	72.0 ± 39.1 <sup>a</sup>	314.1 ± 160.8 <sup>b</sup>	307.4 ± 37.2 <sup>ab</sup>
B × C	1 × 1	17.1 ± 1.6	101.4 ± 35.0 <sup>a</sup>	449.2 ± 159.2 <sup>b</sup>	281.6 ± 24.3 <sup>b</sup>
	1 × 2	12.4 ± 0.6	56.9 ± 7.2 <sup>b</sup>	271.5 ± 36.8 <sup>c</sup>	317.4 ± 24.7 <sup>a</sup>
	1 × 3	9.2 ± 1.1	106.7 ± 4.1 <sup>a</sup>	481.9 ± 24.0 <sup>a</sup>	328.3 ± 15.4 <sup>a</sup>
	2 × 1	12.2 ± 0.9	35.8 ± 22.8 <sup>c</sup>	140.7 ± 50.0 <sup>d</sup>	277.3 ± 11.7 <sup>b</sup>
	2 × 2	6.4 ± 0.7	21.4 ± 1.3 <sup>d</sup>	105.5 ± 20.2 <sup>e</sup>	244.4 ± 13.0 <sup>c</sup>
	2 × 3	3.7 ± 0.3	35.7 ± 1.4 <sup>c</sup>	145.7 ± 24.1 <sup>d</sup>	287.0 ± 14.7 <sup>b</sup>

Table S1 continued

Variables		ANTHO
A (viral status)	1 (infected)	82.2 ± 16.0
	2 (negative)	86.1 ± 27.2
B (harvest year)	1 (2019)	97.7 ± 23.0 <sup>a</sup>
	2 (2020)	74.6 ± 13.5 <sup>b</sup>
C (locality)	1 (Bedina Varoš)	83.8 ± 15.8 <sup>b</sup>
	2 (Devići)	75.6 ± 20.2 <sup>b</sup>
	3 (Cerova)	100.1 ± 23.1 <sup>a</sup>
A × B	1 × 1	90.2 ± 18.3 <sup>b</sup>
	1 × 2	82.3 ± 13.2 <sup>b</sup>
	1 × 3	105.2 ± 25.8 <sup>a</sup>
	1 × 4	66.9 ± 9.1 <sup>c</sup>
A × C	1 × 1	78.0 ± 14.1 <sup>cd</sup>
	1 × 2	84.4 ± 21.0 <sup>bc</sup>
	1 × 3	96.3 ± 5.0 <sup>ab</sup>
	2 × 1	87.5 ± 17.2 <sup>bc</sup>
	2 × 2	66.9 ± 10.7 <sup>d</sup>
	2 × 3	103.8 ± 33.5 <sup>a</sup>
B × C	1 × 1	85.8 ± 21.3 <sup>b</sup>
	1 × 2	91.1 ± 17.1 <sup>b</sup>
	1 × 3	116.2 ± 20.5 <sup>a</sup>
	2 × 1	79.7 ± 8.5 <sup>b</sup>
	2 × 2	60.2 ± 5.8 <sup>c</sup>
	2 × 3	84.0 ± 11.4 <sup>b</sup>

Values with different letters in the columns that present influence of the main effects (A–viral status, B–harvest year and C–locality), respectively, as well as their interactions (A × B, A × C and B × C), respectively, denote statistically significant differences (Tukey's test,  $p < 0.05$ ) among raspberry fruits.