

SUPPORTING INFORMATION FOR PUBLICATION

**Influence of agricultural management on phytochemicals of colored corn genotypes
(*Zea mays* L.) – Part II: Sowing time**

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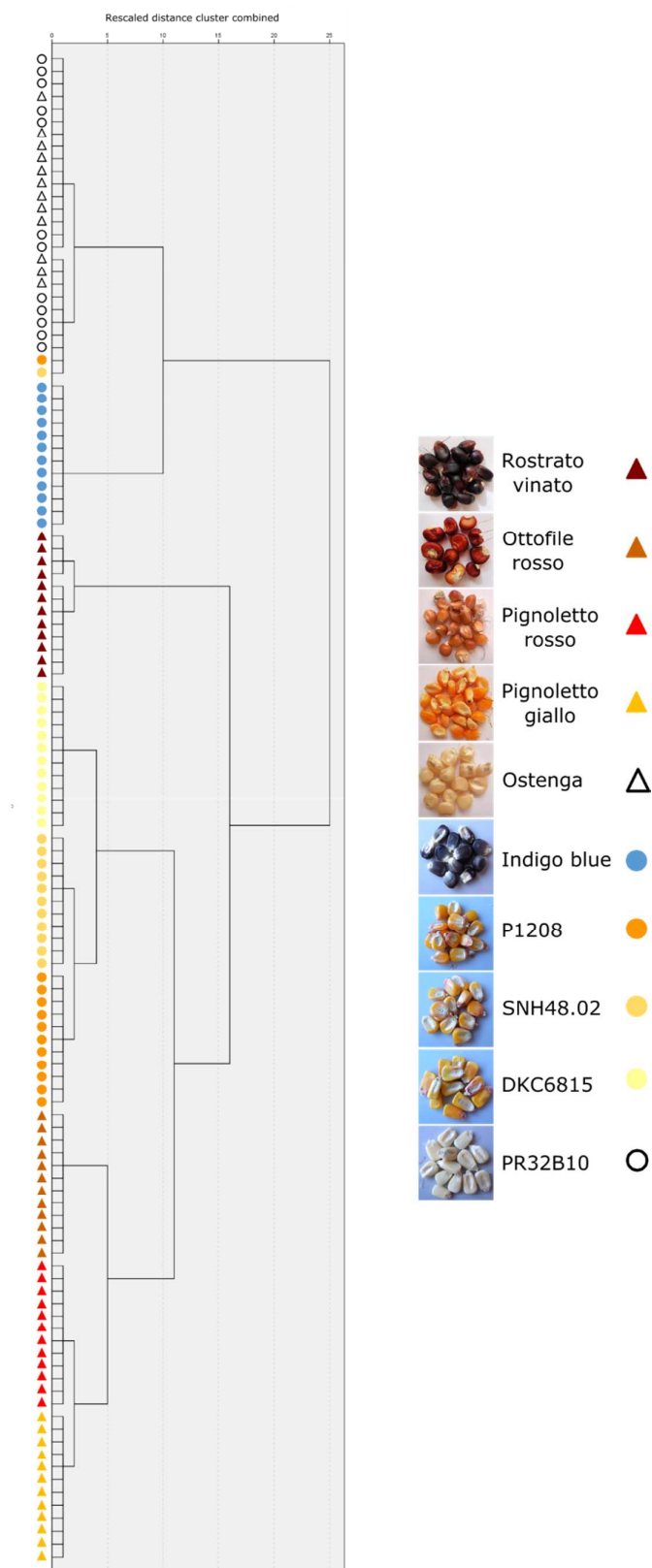
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Table S1. 95% confidence interval for the means of bioactive compounds of the corn genotypes analyzed.

Genotype	TCWBPs	p-Coumaric acid	Ferulic acid	Sinapic acid	Lutein	Zeaxanthin	β -cryptoxanthin	β -carotene
	mg FAE/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Rostrato vinato	5515.6-6377.2	262.2-333.5	1541.1-1852.0	20.9-25.8	4.93-6.57	7.57-10.07	1.52-2.31	0.68-0.90
Ottofile rosso	4194.7-5156.1	228.0-269.2	1327.7-1575.1	29.1-33.6	4.81-5.80	15.13-21.09	2.00-2.57	1.14-1.56
Pignoletto rosso	4648.1-5180.2	216.4-252.1	1739.9-1925.9	20.1-22.6	6.85-8.73	15.23-17.55	2.69-3.26	1.49-1.83
Pignoletto giallo	4481.6-4903.7	190.2-220.6	1997.6-2150.2	18.9-22.5	8.44-9.57	19.76-23.94	2.58-3.06	2.68-3.34
Ostenga	4350.2-5156.3	129.8-160.3	1985.4-2322.9	21.1-25.4	-	-	-	-
Indigo blue	3939.6-4270.8	105.4-128.6	1642.5-1822.5	30.4-32.7	0.48-0.99	0.56-1.07	-	-
P1208	4107.0-4741.7	163.1-191.0	1664.9-1842.4	23.2-26.9	7.39-8.97	13.25-14.50	1.25-1.69	0.48-0.67
SNH48.02	3937.8-4410.7	122.6-138.3	1649.0-1852.6	17.1-19.9	10.54-13.64	7.88-9.09	0.42-0.68	0.37-0.52
DKC6815	5051.4-5595.9	184.0-209.0	2219.6-2526.1	24.9-27.8	7.39-9.34	6.27-7.57	0.43-0.65	0.42-0.59
PR32B10	4128.1-4846.6	134.5-163.9	1989.8-2362.6	16.3-20.5	-	-	-	-

Figure S1. Hierarchical cluster analysis dendrogram (Ward's method) based on chemical composition and color of corn samples analyzed (n=120).



In the Figure the triangles represent open-pollinated varieties while the circles represent the hybrids.