

Table S1. The elemental content of investigated berry species

Elements	Raspberry			Seaberry			Blackberry			Cranberry			Blueberry		
	concentration [mg/kg dry weight]														
	min	max	mean	min	max	mean	min	max	mean	min	max	mean	min	max	mean
Na	5.50	100.71	26.11	122.22	294.13	187.77	6.32	54.40	28.22	3.50	86.38	27.50	0.92	144.36	39.55
Mg	335.00	819.40	601.57	246.43	599.09	445.50	457.54	787.55	593.43	372.88	456.88	412.41	122.86	626.20	332.35
P	958.73	1974.09	1531.38	743.65	1711.93	1293.78	873.41	2182.65	1473.18	542.92	1033.30	752.58	284.34	1366.21	730.34
Ca	292.90	1094.19	606.47	119.76	361.60	245.15	689.42	1456.74	866.07	417.70	1020.56	623.01	222.83	1081.51	559.58
Li	0.001	0.19	0.05	0.05	0.75	0.29	0.001	0.34	0.09	0.001	0.18	0.09	0.001	0.35	0.10
Ti	1.26	3.35	2.62	2.11	4.16	3.02	0.77	7.51	3.48	1.71	9.64	4.76	0.93	3.31	2.47
V	0.001	0.06	0.02	0.01	0.17	0.07	0.02	0.15	0.06	0.001	0.13	0.05	0.001	0.17	0.02
Cr	0.71	9.33	3.27	0.59	4.45	2.22	0.46	11.44	4.55	0.28	6.98	2.27	0.38	9.21	2.61
Mn	7.33	81.80	28.41	5.47	9.92	7.57	6.92	112.17	27.42	38.55	175.64	94.77	9.87	85.38	46.81
Fe	15.28	79.93	37.13	17.05	38.38	27.56	13.04	86.15	43.41	10.25	72.91	33.81	8.51	81.32	28.10
Co	0.06	0.19	0.09	0.03	0.09	0.05	0.06	0.16	0.10	0.05	0.11	0.07	0.04	0.10	0.06
Ni	0.67	4.43	1.94	1.25	5.89	2.62	0.57	2.82	1.66	0.62	2.48	1.08	0.16	1.91	0.88
Cu	2.75	62.96	16.25	4.79	30.24	13.82	6.38	27.68	12.75	5.86	78.84	21.96	2.89	39.05	13.29
Zn	9.87	25.35	16.36	5.05	15.67	10.36	3.79	21.79	9.97	8.18	13.49	10.43	2.29	13.46	7.01
Ga	0.002	0.04	0.02	0.004	0.07	0.02	0.01	0.12	0.03	0.02	0.08	0.03	0.003	0.05	0.02
As	0.06	0.60	0.25	0.01	0.31	0.11	0.001	0.29	0.11	0.02	0.51	0.11	0.001	0.16	0.05
Rb	0.69	36.43	6.52	5.12	17.47	9.75	0.92	25.85	8.58	9.81	40.14	26.14	1.17	57.61	20.81
Sr	0.89	5.40	2.45	1.59	3.28	2.29	1.66	16.07	6.15	0.73	2.92	1.80	0.80	3.61	2.08
Cd	0.003	0.34	0.07	0.01	0.13	0.04	0.0005	0.03	0.01	0.01	0.10	0.02	0.002	0.03	0.01
Ba	0.38	4.09	1.32	0.12	1.27	0.52	0.49	4.81	1.87	6.57	12.86	9.20	1.78	14.47	6.98
Pb	0.01	0.10	0.05	0.03	0.21	0.10	0.02	0.16	0.08	0.01	0.63	0.17	0.003	0.76	0.13
concentration [µg/kg dry weight]															
Ag	1.00	29.36	11.54	1.00	29.40	14.01	0.29	37.07	8.58	0.64	72.96	20.49	0.33	75.69	16.92
La	0.34	8.19	3.26	2.82	14.00	6.75	0.37	5.82	2.86	0.60	21.86	10.48	1.63	73.88	14.46
Ce	0.24	46.64	15.33	10.44	38.94	24.98	1.96	18.33	9.03	5.96	69.24	22.84	6.83	92.04	20.89
Pr	0.17	1.99	1.10	0.56	3.50	1.81	0.19	1.96	0.81	0.64	6.79	2.61	0.33	62.66	7.34
Nd	0.15	4.47	0.94	1.37	13.12	4.50	0.15	0.98	0.41	0.15	6.79	5.03	0.15	18.55	3.48
Sm	0.15	1.99	0.40	0.14	0.46	0.24	0.15	0.97	0.32	0.15	2.83	0.70	0.14	20.77	2.73
Eu	0.15	1.46	0.55	0.25	0.90	0.60	0.16	1.45	0.46	0.46	1.75	1.07	0.45	6.23	1.57
Gd	0.15	9.77	2.04	0.14	0.25	0.20	0.15	7.74	1.65	0.16	4.24	1.33	0.14	5.19	0.74
Tb	0.16	0.97	0.41	0.23	0.90	0.40	0.15	0.48	0.27	0.15	1.13	0.50	0.14	1.38	0.53

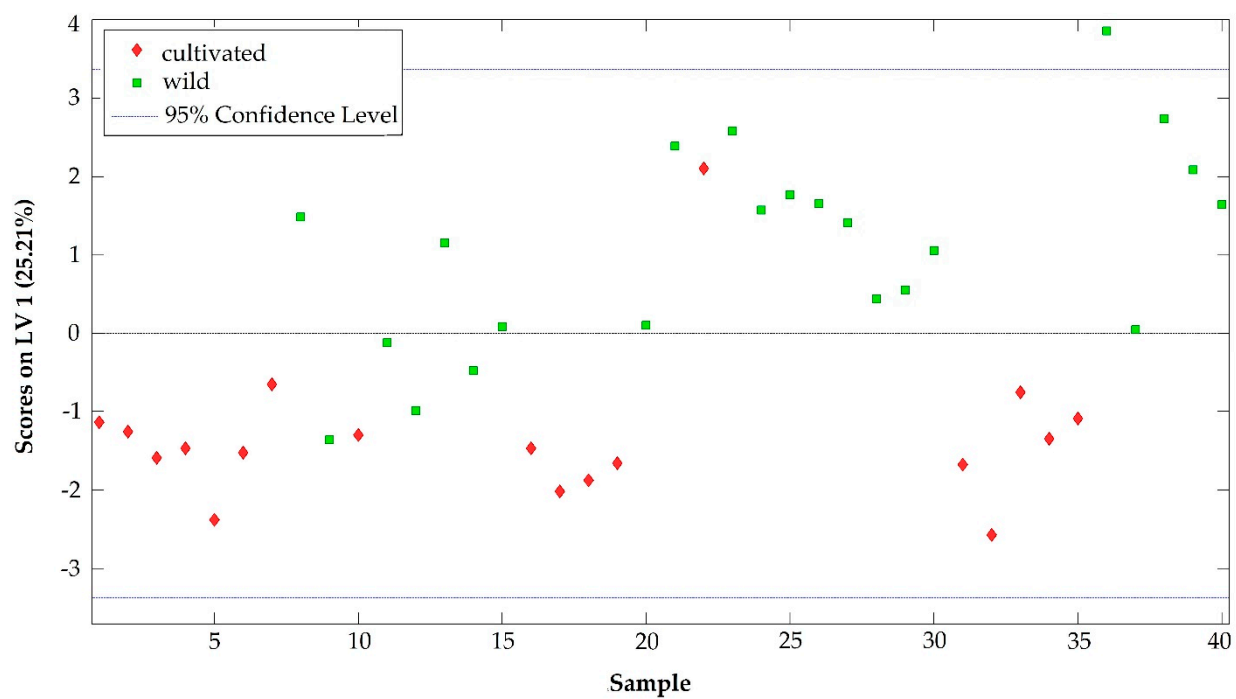


Figure S1. PLS-DA score plot associated to the classification of berries samples according to the growing system.