

Supplementary material for the article:

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SUPPLEMENTARY MATERIAL

Table S1. Correlation coefficients for the elemental content of the grape of Cabernet Franc mother clone (standard) (A), clone No. 02 (B), clone No. 010 (C) and clone No. 012 (D).

Table S2. Correlation coefficients for the elemental content of the wine of Cabernet Franc mother clone (standard) (A), clone No. 02 (B), clone No. 010 (C) and clone No. 012 (D).

Table S3. Statistical parameters.

Table S1. Correlation coefficients for the elemental content of the grape of Cabernet Franc mother clone (standard) (A), clone No. 02 (B), clone No. 010 (C) and clone No. 012 (D).

A.

	B	Ca	Cu	Fe	K	Mg	Mn	Na	Sr
Al	-0.97	0.73	0.87	0.69	0.00	-0.83	0.50	-0.72	0.69
B	-	-0.54	-0.90	-0.50	0.24	0.67	-0.28	0.87	-0.50
Ca		-	0.29	0.97*	0.68	-0.99	0.96	-0.05	0.98*
Cu			-	0.24	-0.50	-0.43	0.00	-0.97	0.24
Fe				-	0.72	-0.97	0.97	-0.00	0.99*
K					-	-0.56	0.87	0.69	0.72
Mg						-	-0.90	0.20	-0.97
Mn							-	0.24	0.97
Na								-	0.00

p<0.05

B.

	B	Ca	Cu	Fe	K	Mg	Mn	Na	Sr
Al	0.97	-0.33	-0.50	0.99	-0.00	0.96	0.99*	-0.28	-0.33
B	-	-0.09	-0.27	0.99	0.24	0.98	-0.97	-0.03	-0.54
Ca		-	0.98	-0.24	0.94	-0.25	0.33	0.99*	0.78
Cu			-	-0.41	0.86	-0.42	0.50	0.97	-0.65
Fe				-	0.10	0.99*	-0.99	-0.18	-0.42
K					-	0.08	0.00	0.96	-0.94
Mg						-	-0.99	-0.19	-0.41
Mn							-	0.28	0.33
Na								-	-0.81

p<0.05

C.

	B	Ca	Cu	Fe	K	Mg	Mn	Na	Sr
Al	0.37	-0.91	-0.99*	-0.98	-0.56	-0.90	0.99*	-0.93	-0.94
B	-	0.02	-0.37	-0.53	0.55	-0.27	0.37	-0.01	-0.65
Ca		-	0.91	0.82	0.84	0.91	-0.91	0.99*	0.73
Cu			-	0.98	0.56	0.91	-0.99*	0.93	0.94
Fe				-	0.39	0.90	-0.98	0.84	0.91
K					-	0.64	-0.56	0.82	0.26
Mg						-	-0.99	0.96	0.90
Mn							-	-0.93	-0.90
Na								-	0.76

p<0.05

D.

	B	Ca	Cu	Fe	K	Mg	Mn	Na	Sr
Al	0.80	0.92	0.69	-0.80	0.60	-0.94	-0.86	0.94	0.78
B	-	0.51	0.98	-0.99*	0.96	-0.56	-0.99	0.95	0.26
Ca		-	0.36	-0.51	0.26	-0.99*	-0.60	0.74	0.96
Cu			-	-0.98	0.99	-0.41	-0.96	0.89	0.09
Fe				-	-0.96	0.56	0.99	-0.95	-0.26
K					-	-0.31	-0.92	0.83	-0.01
Mg						-	0.65	-0.78	-0.94
Mn							-	-0.98	-0.37
Na								-	0.53

p<0.05

Table S2. Correlation coefficients for the elemental content of the wine of Cabernet Franc mother clone (standard) (A), clone No. 02 (B), clone No. 010 (C) and clone No. 012 (D).

A.

	B	Ca	Cu	Fe	K	Mg	Mn	Na	Sr	Ba	Cr	Ni	Zn
Al	-0.27	-0.96	0.50	0.86	-0.99*	0.56	-0.69	0.69	0.00	-0.50	0.86	0.86	0.86
B	-	0.53	0.69	0.24	0.21	0.63	-0.50	0.50	0.96	-0.69	0.24	-0.72	0.24
Ca		-	-0.24	-0.69	0.94	-0.31	0.46	-0.46	0.27	0.24	-0.69	-0.97	-0.69
Cu			-	0.86	-0.55	0.99*	-0.97	0.97	0.86	0.99*	0.86	-0.00	0.86
Fe				-	-0.89	0.90	-0.96	0.96	0.50	-0.86	0.99*	0.50	0.99*
K					-	-0.61	0.73	-0.73	-0.05	0.55	-0.89	-0.83	-0.89
Mg						-	-0.98	0.98	0.82	-0.99*	0.90	0.07	0.90
Mn							-	-0.99*	-0.72	0.97	-0.96	-0.24	-0.96
Na								-	0.72	-0.97	0.96	0.24	0.96
Sr									-	-0.86	0.50	-0.50	0.50
Ba										-	-0.86	0.00	-0.86
Cr											-	0.50	0.99*
Ni												-	0.50

p<0.05

B.

	B	Ca	Cu	Fe	K	Mg	Mn	Na	Sr	Ba	Cr	Ni	Zn
Al	-0.00	0.87	-0.86	0.65	-0.99*	-0.16	-0.96	-0.18	-0.99*	0.50	0.50	-0.50	0.99*
B	-	-0.48	-0.50	0.75	-0.02	-0.98	-0.27	-0.98	0.00	0.86	0.86	-0.86	-0.00
Ca		-	-0.51	0.20	-0.86	0.33	-0.70	0.31	-0.87	0.01	0.01	-0.01	0.87
Cu			-	-0.94	0.87	0.63	0.97	0.65	0.86	-0.86	-0.86	0.86	-0.86
Fe				-	-0.67	-0.85	-0.83	-0.86	-0.65	0.98	0.98	-0.98	0.65
K					-	0.18	0.96	0.20	0.99*	-0.51	-0.51	0.51	-0.99*
Mg						-	0.43	0.99*	0.16	-0.93	-0.93	0.93	-0.16
Mn							-	0.45	0.96	-0.72	-0.72	0.72	-0.96
Na								-	0.18	-0.94	-0.94	0.94	-0.18
Sr									-	-0.50	-0.50	0.50	-0.99*
Ba										-	0.99*	-0.99*	0.50
Cr											-	-0.99*	0.50
Ni												-	-0.50

p<0.05

C.

	B	Ca	Cu	Fe	K	Mg	Mn	Na	Sr	Ba	Cr	Ni	Zn
Al	-0.86	-0.82	0.99*	-0.86	0.89	0.95	0.00	0.00	0.50	0.00	-0.86	0.50	0.50
B	-	0.43	-0.86	0.50	-0.99*	-0.97	-0.50	-0.50	-0.86	-0.50	0.50	0.00	0.00
Ca		-	-0.82	0.99*	-0.48	-0.61	0.56	0.56	0.07	0.56	0.99*	-0.90	-0.90
Cu			-	-0.86	0.89	0.95	0.00	-0.00	0.50	-0.00	-0.86	0.50	0.50
Fe				-	-0.55	-0.67	0.50	0.50	-0.00	0.50	0.99*	-0.86	-0.86
K					-	0.98	0.44	0.44	0.83	0.44	-0.55	0.06	0.06
Mg						-	0.29	0.29	0.73	0.29	-0.67	0.21	0.21
Mn							-	0.99*	0.86	0.99*	0.50	-0.86	-0.86
Na								-	0.86	0.99*	0.50	-0.86	-0.86
Sr									-	0.86	-0.00	-0.50	-0.50
Ba										-	0.50	-0.86	-0.86
Cr											-	-0.86	0.86
Ni												-	0.99*

p<0.05

D.

	B	Ca	Cu	Fe	K	Mg	Mn	Na	Sr	Ba	Cr	Ni	Zn
Al	0.50	-0.98*	0.50	0.18	-0.01	0.52	-0.50	-0.08	0.99*	0.50	-0.86	-0.27	-0.99*
B	-	-0.54	0.99*	0.94	-0.87	-0.47	-0.99*	0.82	0.50	0.99*	0.00	0.69	-0.50
Ca		-	-0.54	-0.24	0.06	-0.47	0.54	0.02	-0.99*	-0.54	0.83	0.22	0.99*
Cu			-	0.94	-0.87	-0.47	-0.99*	0.82	0.50	0.99*	0.00	0.69	-0.50
Fe				-	-0.98	-0.73	-0.94	0.96	0.18	0.94	0.32	0.89	-0.18
K					-	0.84	0.87	-0.99	-0.01	-0.87	-0.48	-0.95	0.01
Mg						-	0.47	-0.89	0.52	-0.47	-0.88	-0.96	-0.52
Mn							-	-0.82	-0.50	-0.99*	0.00	-0.69	0.50
Na								-	-0.08	0.82	0.56	0.98	0.08
Sr									-	0.50	-0.86	-0.27	0.99*
Ba										-	0.00	0.69	-0.50
Cr											-	0.72	0.86
Ni												-	0.27

p<0.05

Table S3. Statistical parameters.

	PC1	PC2
Eigen value %	66.54	12.50
Cumulative %	66.54	79.05