

Supplementary Materials: In-Depth Two-Year Study of Phenolic Profile Variability among Olive Oils from Autochthonous and Mediterranean Varieties in Morocco, as Revealed by a LC-MS Chemometric Profiling Approach

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Table S1. Classification matrix, according to LDA, for the varietal origin discrimination between VOOs from “Picholine Marocaine” and Mediterranean cultivars (varietal origin discriminant Model 1).

Classification	Arbequina	Arbosana	Cornicabra	Frantoio	Hojiblanca	Koroneiki	Manzanilla	Picholine Marocaine	Picholine de Languedoc	Picual	Total	% Correct
Arbequina	16	0	0	0	0	0	0	0	0	0	16	100.00%
Arbosana	1	13	0	0	0	0	0	1	0	0	15	86.67%
Cornicabra	0	0	11	0	0	0	0	0	0	0	11	100.00%
Frantoio	0	0	0	15	0	0	0	1	0	0	16	93.75%
Hojiblanca	0	0	0	0	13	0	0	0	0	0	13	100.00%
Koroneiki	0	0	0	0	0	18	0	0	0	0	18	100.00%
Manzanilla	0	0	0	0	0	0	17	0	0	0	17	100.00%
Picholine Marocaine	0	0	0	0	0	0	0	24	0	0	24	100.00%
Picholine de Languedoc	0	0	0	0	0	0	0	3	17	0	20	85.00%
Picual	0	0	0	0	0	0	0	1	1	16	18	88.89%
Total	17	13	11	15	13	18	17	30	18	16	168	95.24%
Cross-Validation	Arbequina	Arbosana	Cornicabra	Frantoio	Hojiblanca	Koroneiki	Manzanilla	Picholine Marocaine	Picholine de Languedoc	Picual	Total	% Correct
Arbequina	14	0	1	1	0	0	0	0	0	0	16	87.50%
Arbosana	1	13	0	0	0	0	0	1	0	0	15	86.67%
Cornicabra	0	0	11	0	0	0	0	0	0	0	11	100.00%
Frantoio	0	0	0	15	0	0	0	1	0	0	16	93.75%
Hojiblanca	0	0	0	0	13	0	0	0	0	0	13	100.00%
Koroneiki	0	0	0	0	1	17	0	0	0	0	18	94.44%
Manzanilla	0	0	0	0	0	0	17	0	0	0	17	100.00%
Picholine Marocaine	0	0	0	0	0	0	0	24	0	0	24	100.00%
Picholine de Languedoc	1	0	0	0	0	0	0	3	16	0	20	80.00%
Picual	0	0	0	0	0	0	0	1	1	16	18	88.89%
Total	16	13	12	16	14	17	17	30	17	16	168	92.86%

Table S2. Classification matrix, according to LDA, for the botanical origin discrimination between VOOs from “Picholine Marocaine” and Moroccan cultivars (varietal origin discriminant Model 2).

Classification	Dahbia	Haouzia	Menara	Picholine Marocaine	Total	% Correct
Dahbia	11	0	0	0	11	100.00%
Haouzia	0	11	0	0	11	100.00%
Menara	0	0	12	0	12	100.00%
Picholine Marocaine	0	0	0	24	24	100.00%
Total	11	11	12	24	58	100.00%
Cross-validation	Dahbia	Haouzia	Menara	Picholine Marocaine	Total	% Correct
Dahbia	11	0	0	0	11	100.00%
Haouzia	0	9	1	1	11	81.82%
Menara	0	1	7	4	12	58.33%
Picholine Marocaine	0	0	1	23	24	95.83%
Total	11	10	9	28	58	86.21%

Table S3. Classification matrix, according to LDA, for the botanical origin discrimination between VOOs obtained from Mediterranean and Moroccan cultivars (varietal origin discriminant Model 3).

Classification	Arbequina	Arbosana	Cornicabra	Dahbia	Frantoio	Hojiblanca	Haouzia	Koroneiki	Manzanilla	Menara	Picholine de Languedoc	Picual	Total	% Correct
Arbequina	15	0	0	0	0	0	0	0	0	0	1	0	16	93.75%
Arbosana	1	13	0	0	0	0	0	0	0	0	1	0	15	86.67%
Cornicabra	0	0	11	0	0	0	0	0	0	0	0	0	11	100.00%
Dahbia	0	0	0	11	0	0	0	0	0	0	0	0	11	100.00%
Frantoio	0	0	0	0	15	0	0	0	0	0	1	0	16	93.75%
Hojiblanca	0	0	0	0	0	13	0	0	0	0	0	0	13	100.00%
Haouzia	0	0	1	0	0	0	9	0	0	1	0	0	11	81.82%
Koroneiki	0	0	0	0	0	0	0	17	0	0	0	1	18	94.44%
Manzanilla	0	2	0	0	0	0	0	0	15	0	0	0	17	88.24%
Menara	0	0	0	0	0	0	1	0	0	11	0	0	12	91.67%
Picholine de Languedoc	0	0	0	0	1	0	0	0	0	0	19	0	20	95.00%
Picual	0	0	0	0	0	0	0	0	0	0	1	17	18	94.44%
Total	16	15	12	11	16	13	10	17	15	12	23	18	178	93.26%
Cross-validation	Arbequina	Arbosana	Cornicabra	Dahbia	Frantoio	Hojiblanca	Haouzia	Koroneiki	Manzanilla	Menara	Picholine de Languedoc	Picual	Total	% Correct
Arbequina	15	0	0	0	0	0	0	0	0	0	1	0	16	93.75%
Arbosana	1	11	0	0	0	0	0	0	0	1	1	1	15	73.33%
Cornicabra	0	0	11	0	0	0	0	0	0	0	0	0	11	100.00%
Dahbia	0	0	0	11	0	0	0	0	0	0	0	0	11	100.00%
Frantoio	0	0	0	0	14	0	0	0	0	1	1	0	16	87.50%
Hojiblanca	0	0	0	0	0	13	0	0	0	0	0	0	13	100.00%
Haouzia	0	0	1	0	0	0	6	0	1	3	0	0	11	54.55%
Koroneiki	0	0	0	0	0	0	0	17	0	0	0	1	18	94.44%
Manzanilla	0	2	0	0	0	0	0	0	15	0	0	0	17	88.24%
Menara	0	0	0	0	1	0	4	0	0	6	1	0	12	50.00%
Picholine de Languedoc	0	0	0	0	1	0	1	1	0	1	16	0	20	80.00%
Picual	0	0	0	0	0	0	1	0	0	0	1	16	18	88.89%
Total	16	13	12	11	16	13	12	18	16	12	21	18	178	84.83%