Proton Nuclear Magnetic Resonance (^{1}H NMR) Metabolic Profiles Discriminate two Monovarietal Extra Virgin Olive Oils, Cultivars Arbequina and Koroneiki, with Different Geographical Origin

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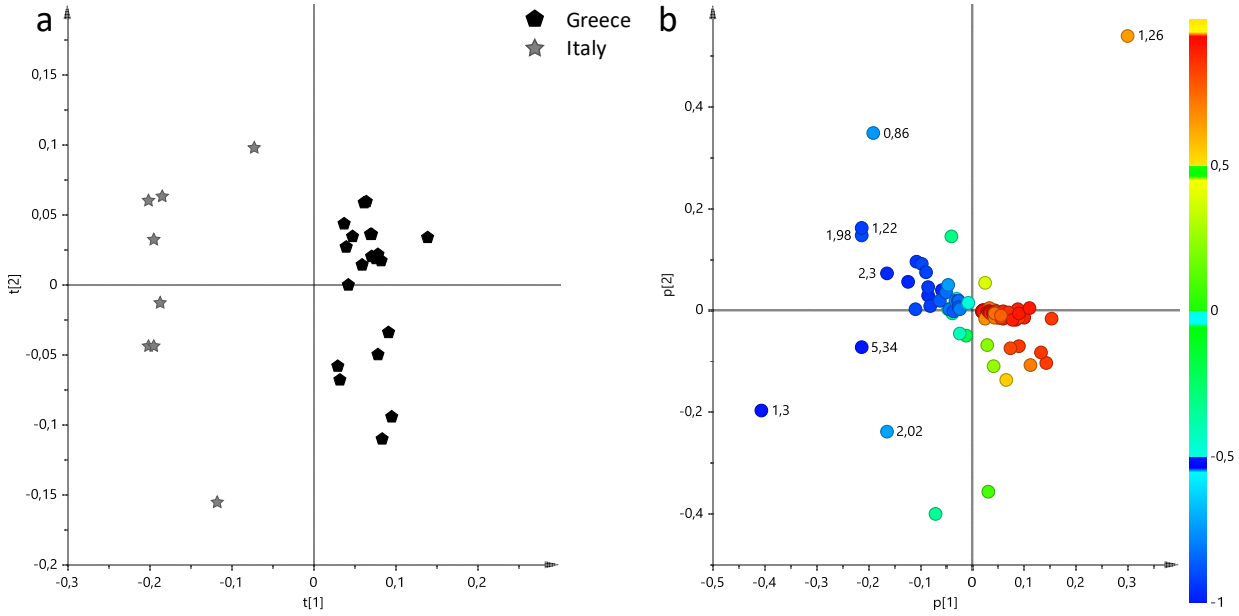

Figure S1. (a)t[1]/t[2] PCA score plot (3 PCs,R^2X= 0.903, Q^2= 0.810) performed on major components (BUCKET-1) for Koroneiki olive oil samples obtained from Greece and Italy, **(b)**PCA loading plotcolored according to the correlation-scaled loading vector (p(corr)). The variables indicated the chemical shift value (ppm) in the ^{1}H NMR spectrum.

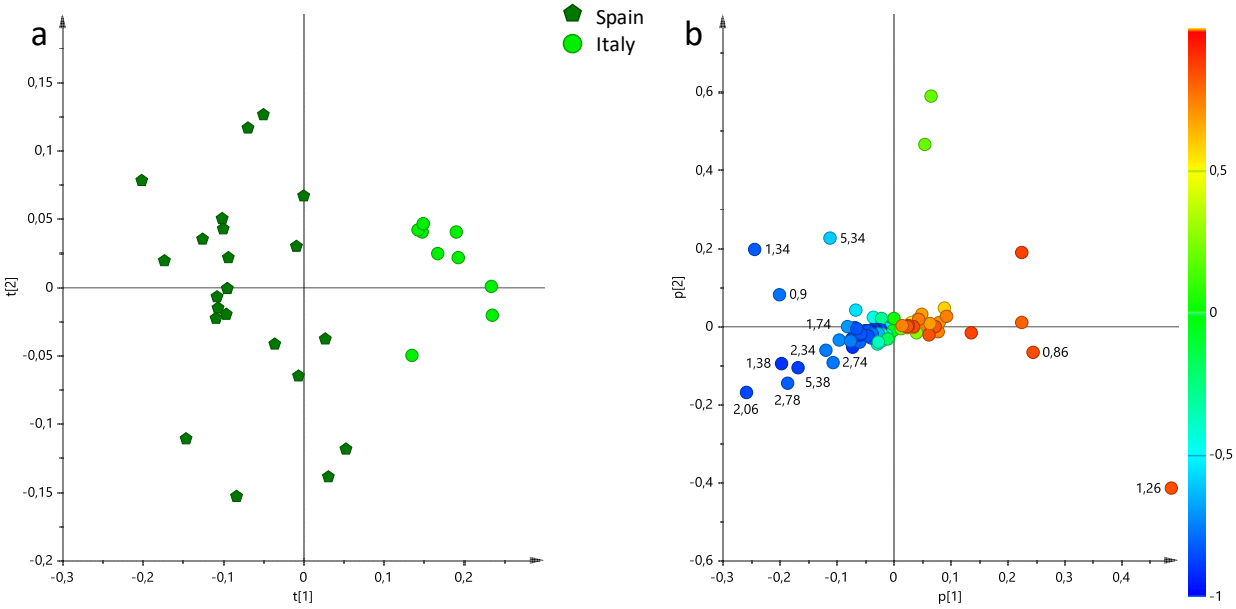

Figure S2. (a)t[1]/t[2] PCA score plot (3 PCs,R^2X= 0.870, Q^2= 0.696)performed on major components (BUCKET-1) for Arbequina olive oil samples obtained from Spain and Italy, **(b)** PCA loading plotmodelcolored according to the correlation-scaled loading vector (p(corr)). The variables indicated the chemical shift value (ppm) in the ^{1}H NMR spectrum.

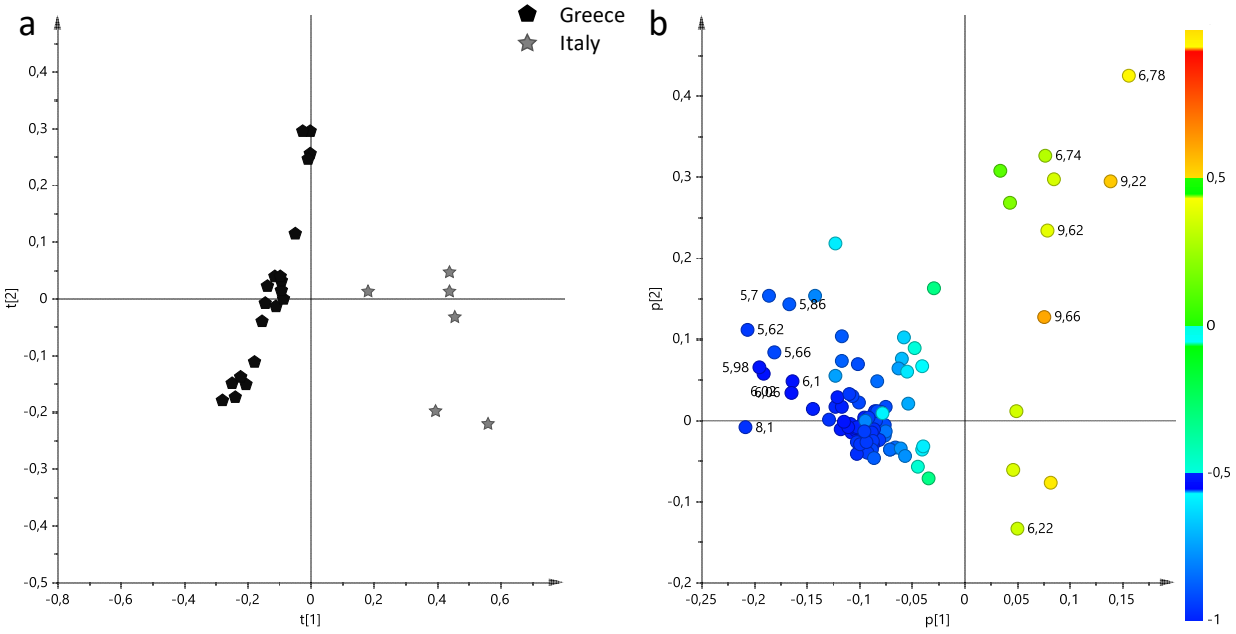

Figure S3. (a)t[1]/t[2] PCA score plot (2 PCs,R^2X= 0.798, Q^2= 0.744)performed on minor components (BUCKET-2)for Koroneiki olive oil samples obtained from Greece and Italy, **(b)** PCA loading plot colored according to the correlation-scaled loading vector (p(corr)). The variables indicated the chemical shift value (ppm) in the ^{1}H NMR spectrum.

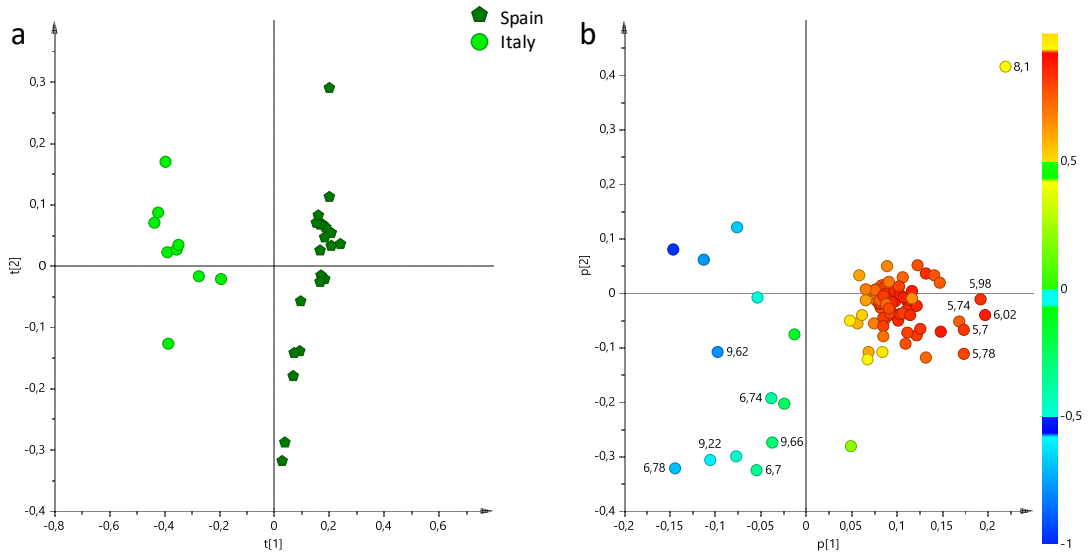

Figure S4. (a)t[1]/t[2] PCA score plot (2 PCs,R^2X= 0.727, Q^2= 0.619) performed on minor components (BUCKET-2) for Arbequina olive oil samples obtained from Spain and Italy, **(b)** PCA loading plotmodelcolored according to the correlation-scaled loading vector (p(corr)). The variables indicated the chemical shift value (ppm) in the ^{1}H NMR spectrum.