

## **FOOD GENOMICS: AFLPS APPLIED TO OLIVE CULTIVARS AND OILS**

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Determining the origin and authenticity of olive oils with methods based on DNA analysis represent an attractive choice. This study reported the molecular analyses made on some olive cultivars with Amplified Fragments Length Polymorphisms (AFLPs) and the characterization of the derived olive oils with the same molecular markers. It was reported also a comparison within the AFLP profile of a cultivar and that of its correspondent monovarietal olive oil. Statistical analyses on reproducibility of results obtained from olive oils in different conditions were reported.