**AMPK modulatory activity of olive**–**tree leaves phenolic compounds: bioassay-guided isolation on adipocyte model and in silico approach**

Cecilia Jiménez–Sánchez1,2, Mariló Olivares–Vicente3, Celia Rodríguez–Pérez1,2, María Herranz–López3, Jesús Lozano–Sánchez1,2, Antonio Segura–Carretero1,2, Alberto Fernández–Gutiérrez1,2, José Antonio Encinar3¶, Vicente Micol3,4\*¶

1 Department of Analytical Chemistry, University of Granada. Granada, Spain.

2 Research and Development of Functional Food Centre (CIDAF), PTS, Granada, Spain.

3 Instituto de Biología Molecular y Celular (IBMC), Miguel Hernández University (UMH), Elche, Alicante, Spain

4 CIBER: CB12/03/30038, Fisiopatología de la Obesidad y la Nutrición, CIBERobn, Instituto de Salud Carlos III (ISCIII), Palma de Mallorca, Spain.

\* Corresponding author

Email: [vmicol@umh.es](mailto:vmicol@umh.es) (VM)

¶ These authors share co-senior authorship.

**Supporting information**































































































































**3 Fig.**

