SUPPLEMENTARY MATERIAL

Uncovering phytochemicals quantitative evolution in avocado fruit mesocarp during ripening: A targeted LC-MS metabolic exploration of *Hass*, *Fuerte* and *Bacon* varieties

Irene Serrano-García1, Carlos Saavedra Morillas1, María Gemma Beiro-Valenzuela1, Romina Monasterio1,2, Elena Hurtado-Fernández3, José Jorge Gonzalez-Fernandez4, José Ignacio Hormaza4, Romina Pedreschi5,6, Lucía Olmo-García1\*,Alegría Carrasco-Pancorbo1

1Department of Analytical Chemistry, Faculty of Sciences, University of Granada, Ave. Fuentenueva s/n, 18071, Granada, Spain

2Instituto de Biología Agrícola de Mendoza (IBAM), UNCuyo - CONICET, Facultad de Ciencias Agrarias, Chacras de Coria, Mendoza 5505, Argentina

3Department of Biological and Health Sciences, Faculty of Health Sciences, University of Loyola, Campus Sevilla, Avda. de las Universidades S/N, 41704 Dos Hermanas, Spain

4Institute for Mediterranean and Subtropical Horticulture (IHSM La Mayora-UMA-CSIC), 29750, Algarrobo-Costa, Málaga, Spain

5Escuela de Agronomía, Facultad de Ciencias Agronómicas y de los Alimentos, Pontificia Universidad Católica de Valparaíso, Calle San Francisco S/N, La Palma, Quillota, 2260000, Chile

6Millennium Institute Center for Genome Regulation (CRG), Santiago, 8331150, Chile

\*Corresponding author: Dr. L. Olmo-García

Department of Analytical Chemistry

Faculty of Sciences

University of Granada

Granada, Spain.

Tel.: +34 958 249510.

E-mail address: [luciaolmo@ugr.es](mailto:luciaolmo@ugr.es)

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|  |  |  |  |  |  |  | Repeatability (% CV) | |
| Compound | **Rt (min)** | **Calibration curves** | **R2** | **Lineal range (mg L-1)** | **LODa (µg L-1)** | **LOQa (µg L-1)** | **Intra-dayb** | **Inter-dayc** |
| Uridine | 2.7 | f(x)= 105563.83x + 7808.15  f(x)= 53300.90x + 255748.78 | 0.999  0.997 | LOQ – 4.02  4.02 – 32.17 | 35.2 | 117.2 | 7.93 | 9.11 |
| Phenylalanine | 4.9 | f(x)= 45365.21x - 2981.85  f(x)= 23896.02x + 295581.5 | 0.998  0.997 | LOQ – 13.40  13.40 – 53.62 | 20.5 | 68.3 | 7.11 | 10.25 |
| Pantothenic acid | 5.2 | f(x)= 262291.52x + 9129.10 | 0.999 | LOQ – 13.40 | 31.3 | 104.2 | 8.75 | 10.28 |
| Tryptophan | 6.4 | f(x)= 215977.70x - 12770.41 | 0.997 | LOQ – 6.70 | 19.1 | 63.6 | 7.23 | 8.94 |
| Chlorogenic acid | 7.2 | f(x)= 216198.40x - 9704.88  f(x)= 98912.37x + 446674.79 | 0.993  0.996 | LOQ – 2.68  2.68 – 42.90 | 30.2 | 100.7 | 7.96 | 9.85 |
| Epicatechin | 8.3 | f(x)= 571067.88x - 8043.94  f(x)= 266924.29x + 970085.83 | 0.999  0.996 | LOQ – 2.68  2.68 – 21.45 | 11.1 | 37.0 | 7.93 | 10.18 |
| *p-*Coumaric acid | 9.9 | f(x)= 81338.63x - 1708.04  f(x)= 50869.28x + 64969.78  f(x)= 19891.17x + 904704.61  f(x)= 8794.72x + 3075255.5 | 0.999  0.996  0.990  0.984 | LOQ – 1.41  1.41 – 22.62  22.62 - 180.97  180.97 – 723.86 | 14.6 | 48.6 | 7.51 | 9.59 |
| Ferulic acid | 10.4 | f(x)= 117813.37x + 22969.69  f(x)= 29014.72x + 582382.83 | 0.993  0.966 | LOQ - 5.36  5.36 – 42.9 | 8.1 | 27.0 | 9.05 | 10.11 |
| Abscisic acid | 13.0 | f(x)= 814918.03x + 16787.59  f(x)= 390324.10x + 1027474.35 | 0.999  0.996 | LOQ - 2.01  2.01 – 16.09 | 5.2 | 17.3 | 7.89 | 9.76 |

**Table SM1.** Analytical parameters of the LC-MS method used in the present study.

a Calculated as the concentration that generates a signal to noise ratio equal to 3 (LOD) and 10 (LOQ).

b RSD (%) of peak area for 7 injections of the QC sample carried out within the same sequence.

c RSD (%) of peak area for 13 injections of the QC sample from different sequences carried out over several days.

Abbreviations: LOD, Limit of detection; LOQ, Limit of quantification.