SUPPLEMENTARY MATERIAL

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

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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 + 7808.15f(x)= 53300.90x + 255748.78 | 0.9990.997 | LOQ – 4.024.02 – 32.17 | 35.2 | 117.2 | 7.93 | 9.11 |
| Phenylalanine | 4.9 | f(x)= 45365.21x - 2981.85f(x)= 23896.02x + 295581.5 | 0.9980.997 | LOQ – 13.4013.40 – 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 - 9704.88f(x)= 98912.37x + 446674.79 | 0.9930.996 | LOQ – 2.682.68 – 42.90 | 30.2 | 100.7 | 7.96 | 9.85 |
| Epicatechin | 8.3 | f(x)= 571067.88x - 8043.94f(x)= 266924.29x + 970085.83 | 0.9990.996 | LOQ – 2.682.68 – 21.45 | 11.1 | 37.0 | 7.93 | 10.18 |
| *p-*Coumaric acid | 9.9 | f(x)= 81338.63x - 1708.04f(x)= 50869.28x + 64969.78f(x)= 19891.17x + 904704.61f(x)= 8794.72x + 3075255.5 | 0.9990.9960.9900.984 | LOQ – 1.411.41 – 22.6222.62 - 180.97180.97 – 723.86 | 14.6 | 48.6 | 7.51 | 9.59 |
| Ferulic acid | 10.4 | f(x)= 117813.37x + 22969.69f(x)= 29014.72x + 582382.83 | 0.9930.966 | LOQ - 5.365.36 – 42.9 | 8.1 | 27.0 | 9.05 | 10.11 |
| Abscisic acid | 13.0 | f(x)= 814918.03x + 16787.59f(x)= 390324.10x + 1027474.35 | 0.9990.996 | LOQ - 2.012.01 – 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.