

## TABLES

**Table S1:** LC-ESI-MS/MS analytical results of phenolic acids. Compounds confirmed by comparison with authentic standards.

Compound	Peak no.	T <sub>R</sub> (min)	[M-H] <sup>-</sup>	Fragment ions	Collision energy (eV)
<b>Galic acid</b>	1	1.10	168.7	124.9	- 14
				78.9	- 36
<b>Protocatechuic acid</b>	2	2.25	152.9	107.8	- 38
				80.9	- 26
<b>Gentisic acid</b>	3	4.15	152.8	107.9	- 36
				81	- 30
<b>4-OH-benzoic acid</b>	4	4.30	136.8	92.9	- 18
<b>3-OH-benzoic acid</b>	5	5.40	136.8	92.9	- 18
				75	- 48
<b>Vanillic acid</b>	6	5.65	166.8	107.9	- 18
				123	- 12
<b>trans-Caffeic acid</b>	7	5.90	178.7	134.9	- 16
				88.9	- 46
<b>cis-Caffeic acid</b>	8	6.20	178.7	134.9	- 16
				88.9	- 46
<b>Syringic acid</b>	9	6.80	196.9	181.9	- 12
				122.8	- 24
<b>trans-p-Coumaric acid</b>	10	7.70	162.7	119	- 14
				93	- 44
<b>cis-p-Coumaric acid</b>	11	7.81	162.7	119	- 14
				93	- 44
<b>trans-Ferulic acid</b>	12	8.25	192.8	177.9	- 12
				133.9	- 16
<b>Veratric acid</b>	13	8.30	180.7	136.9	- 12
				121.9	- 18
<b>Salicylic acid</b>	14	8.38	136.8	93	- 16
				75	- 48
<b>3-OH-cinnamic acid</b>	15	8.40	162.8	119	- 14
				91	- 36
<b>cis-Ferulic acid</b>	16	8.40	192.8	177.9	- 12
				133.9	- 16
<b>trans-Sinapic acid</b>	17	8.42	222.8	148.9	- 20
				121	- 36
<b>cis-Sinapic acid</b>	18	8.58	222.8	148.9	- 20
				121	- 36

**Table S2:** Analytical parameters of LC-MS/MS quantitative method; data for calibration curves, limit of detection (LOD) and limit of quantification (LOQ) values for each analyzed compound.

Compound	LOD [ng mL <sup>-1</sup> ]	LOQ [ng mL <sup>-1</sup> ]	Calibration curve	$r^2$	Linearity range [ng mL <sup>-1</sup> ]
Gallic acid	25	50	$y = 218x - 201$	0.9995	50-5000
Protocatechuic acid	10	25	$y = 86.2x + 1260$	0.9999	50-12500
Gentisic acid	5	15	$y = 851x + 6880$	0.9994	15-5000
4-OH-benzoic acid	20	50	$y = 1480x + 6490$	0.9998	50-2000
3-OH-benzoic acid	20	40	$y = 415x + 11400$	0.9999	50-2000
Vanilic acid	25	50	$y = 59.4x + 1740$	0.9994	50-5000
<i>trans</i> -Caffeic acid	10	25	$y = 1100x + 4040$	0.9994	25-2500
<i>cis</i> -Caffeic acid	10	25	$y = 1100x + 4040$	0.9994	25-2500
Syringic acid	25	50	$y = 75.4x + 4230$	0.9996	50-10000
<i>trans-p</i> -Coumaric acid	10	25	$y = 888x + 403$	0.9999	25-2500
<i>cis-p</i> -Coumaric acid	10	25	$y = 888x + 403$	0.9999	25-2500
<i>trans</i> -Ferulic acid	10	25	$y = 411x - 1840$	0.9994	40-2000
Veratric acid	100	200	$y = 102x + 2470$	0.9996	200-5000
Salicylic acid	10	30	$y = 2060x + 14300$	0.9999	30-1000
3-OH-cinnamic acid	10	25	$y = 569x + 4280$	0.9997	50-2500
<i>cis</i> -Ferulic acid	10	25	$y = 411x - 1840$	0.9994	40-2000
<i>trans</i> -Sinapic acid	8	20	$y = 319x - 33.3$	0.9997	20-2500
<i>cis</i> -Sinapic acid	8	20	$y = 319x - 33.3$	0.9997	20-2500