

**Supplemental Table 1.** Concentration of (poly)phenolic compounds in different red-fleshed apple products expressed as mg/ingested portion  $\pm$  SD (portions: red fleshed apple pasteurized purée=500 g, hot air-dried red fleshed apple snack = 66 g, freeze-dried red fleshed apple snack = 60 g).

Compound (mg/ingested portion)	Red-fleshed apple pasteurized purée	Hot air-dried red-fleshed apple	Freeze-dried red-fleshed apple
Cyanidin arabinoside	0.36 $\pm$ 0.05	0.47 $\pm$ 0.03	1.72 $\pm$ 0.06
Cyanidin-3- <i>O</i> -galactoside	1.93 $\pm$ 0.09	3.84 $\pm$ 0.20	14.9 $\pm$ 0.23
<b>TOTAL Anthocyanins</b>	<b>2.29 <math>\pm</math> 0.12</b>	<b>4.31 <math>\pm</math> 0.23</b>	<b>16.6 <math>\pm</math> 0.26</b>
Protocatechuic acid	4.75 $\pm$ 0.09	0.86 $\pm$ 0.03	n.d.
Hydroxytyrosol	0.47 $\pm$ 0.05	0.33 $\pm$ 0.01	0.30 $\pm$ 0.01
Coumaric acid hexoside	1.47 $\pm$ 0.04	1.31 $\pm$ 0.08	0.80 $\pm$ 0.03
Coumaric acid derivate	0.70 $\pm$ 0.01	0.38 $\pm$ 0.09	0.36 $\pm$ 0.05
Vanillic acid hexoside	2.13 $\pm$ 0.38	1.54 $\pm$ 0.05	1.93 $\pm$ 0.07
Homogentisic acid	0.54 $\pm$ 0.01	0.32 $\pm$ 0.06	0.42 $\pm$ 0.04
Ferulic acid	0.16 $\pm$ 0.02	0.14 $\pm$ 0.03	n.d.
Ferulic acid hexoside	1.07 $\pm$ 0.19	0.08 $\pm$ 0.03	1.07 $\pm$ 0.16
5- <i>O</i> -caffeoylquinic acid	92.0 $\pm$ 1.10	87.4 $\pm$ 2.30	92.0 $\pm$ 3.50
<b>TOTAL Phenolic acids</b>	<b>115 <math>\pm</math> 1.90</b>	<b>92.4 <math>\pm</math> 2.90</b>	<b>96.9 <math>\pm</math> 3.80</b>
Epicatechin	2.65 $\pm$ 0.06	1.61 $\pm$ 0.03	3.17 $\pm$ 0.49
Epigallocatechin	0.45 $\pm$ 0.03	0.31 $\pm$ 0.01	0.39 $\pm$ 0.04
Dimer	3.96 $\pm$ 0.23	2.59 $\pm$ 0.16	5.50 $\pm$ 0.51
Trimer	n.d.	1.43 $\pm$ 0.12	2.45 $\pm$ 0.11
<b>TOTAL Flavan-3-ols</b>	<b>7.10 <math>\pm</math> 0.29</b>	<b>5.90 <math>\pm</math> 0.44</b>	<b>11.5 <math>\pm</math> 1.12</b>
Quercetin	0.43 $\pm$ 0.04	0.08 $\pm$ 0.01	n.d.
Dihydroquercetin	0.16 $\pm$ 0.03	0.01 $\pm$ 0.00	0.12 $\pm$ 0.06
Quercetin arabinoside	0.46 $\pm$ 0.01	0.21 $\pm$ 0.04	0.38 $\pm$ 0.06
Quercetin rhamnoside	2.43 $\pm$ 0.14	2.15 $\pm$ 0.14	2.11 $\pm$ 0.08
Quercetin glucoside	0.38 $\pm$ 0.04	0.11 $\pm$ 0.00	0.40 $\pm$ 0.08
Dihydrokaempferol glucoside	n.d.	0.44 $\pm$ 0.02	0.73 $\pm$ 0.16
<b>TOTAL Flavonols</b>	<b>3.86 <math>\pm</math> 0.18</b>	<b>3.00 <math>\pm</math> 0.20</b>	<b>3.74 <math>\pm</math> 0.12</b>
Naringenin glucoside	0.54 $\pm$ 0.09	0.24 $\pm$ 0.03	0.37 $\pm$ 0.05
Eriodictyol hexoside	0.78 $\pm$ 0.06	0.44 $\pm$ 0.06	0.54 $\pm$ 0.01
<b>TOTAL Flavanones</b>	<b>1.32 <math>\pm</math> 0.16</b>	<b>0.68 <math>\pm</math> 0.09</b>	<b>0.91 <math>\pm</math> 0.06</b>
Phloretin glucoside	7.82 $\pm$ 1.92	6.84 $\pm$ 0.46	4.88 $\pm$ 1.09
Phloretin xylosyl glucoside	16.4 $\pm$ 1.47	7.52 $\pm$ 0.59	11.8 $\pm$ 0.89
Hydroxyphloretin xylosyl glucoside	1.71 $\pm$ 0.33	1.58 $\pm$ 0.35	1.01 $\pm$ 0.20
<b>TOTAL Dihydrochalcones</b>	<b>25.9 <math>\pm</math> 2.20</b>	<b>15.9 <math>\pm</math> 0.58</b>	<b>17.7 <math>\pm</math> 1.02</b>
<b>TOTAL Rest (poly)phenolics</b>	<b>153 <math>\pm</math> 2.10</b>	<b>118 <math>\pm</math> 2.30</b>	<b>131 <math>\pm</math> 3.90</b>
<b>TOTAL (POLY)PHENOLICS</b>	<b>155 <math>\pm</math> 2.20</b>	<b>122 <math>\pm</math> 2.50</b>	<b>148 <math>\pm</math> 4.00</b>

n.d.: not detected

**Supplemental Table 2.** SRM conditions used for the analysis of (poly)phenolic and their generated metabolites.

Phenolic metabolites	SRM Quantification	CV (V) / CE (eV)	Standard in which has been quantified
<i>Catechols</i>			
Catechol sulphate	189 > 109	20 / 15	Catechol-4- <i>O</i> -sulphate
Methyl catechol sulphate	203 > 123	20 / 15	4-methyl catechol sulphate
Catechol glucuronide	285 > 109	20 / 15	Catechol-4- <i>O</i> -sulphate
Methyl catechol glucuronide	299 > 123	20 / 15	4-methyl catechol sulphate
<i>Benzoic acids</i>			
Vanillic acid	167 > 123	30 / 10	Vanillic acid
Vanillic acid sulphate	247 > 167	30 / 25	Vanillic acid-4- <i>O</i> -sulphate
Vanillic acid glucuronide	343 > 167	30 / 25	Vanillic acid
Homovanillic acid	181 > 137	40 / 15	Vanillic acid
Homovanillic acid sulphate	261 > 181	40 / 15	Vanillic acid
Protocatechuic acid	153 > 109	45 / 15	Protocatechuic acid
Protocatechuic acid sulphate	233 > 153	35 / 15	Protocatechuic acid
Protocatechuic acid glucuronide	329 > 153	35 / 15	Protocatechuic acid
Hydroxytyrosol sulphate	233 > 123	35 / 15	Hydroxytyrosol
Hydroxytyrosol glucuronide	329 > 123	35 / 20	Hydroxytyrosol
Hydroxybenzoic acid	137 > 93	30 / 15	<i>p</i> -Hydroxybenzoic acid
Hydroxybenzoic acid sulphate	217 > 137	35 / 15	<i>p</i> -Hydroxybenzoic acid
Hydroxybenzoic acid glucuronide	313 > 137	35 / 15	<i>p</i> -Hydroxybenzoic acid
Hydroxyhippuric acid	194 > 100	40 / 10	<i>p</i> -Hydroxybenzoic acid
<i>Phenylpropionic acids</i>			
Hydroxyphenylpropionic acid	165 > 121	20 / 10	3-(3'-hydroxyphenyl)propionic acid
Hydroxyphenylpropionic acid sulphate	245 > 165	35 / 15	3-(3'-hydroxyphenyl)propionic acid
Hydroxyphenylpropionic acid glucuronide	341 > 165	40 / 25	3-(3'-hydroxyphenyl)propionic acid
Dihydroxyphenylpropionic acid	181 > 137	35 / 15	3-(3',4'-dihydroxyphenyl) propionic acid
Dihydroxyphenylpropionic acid sulphate	261 > 181	40 / 15	3-(3',4'-dihydroxyphenyl) propionic acid
Dihydrocaffeic acid glucuronide	357 > 181	40 / 10	3-(3',4'-dihydroxyphenyl) propionic acid
<i>Hydroxycinnamic acid derivatives</i>			
Coumaric acid	163 > 119	35 / 10	<i>p</i> -coumaric acid
Coumaric acid sulphate	243 > 163	35 / 15	<i>p</i> -coumaric acid
Caffeic acid sulphate	259 > 179	35 / 15	Caffeic acid
Caffeic acid glucuronide	355 > 179	35 / 15	Caffeic acid
Ferulic acid	193 > 134	30 / 15	Ferulic acid
Ferulic acid sulphate	273 > 193	35 / 15	Ferulic acid
Ferulic acid glucuronide	369 > 193	35 / 15	Ferulic acid
Dihydroferulic acid	195 > 136	35 / 10	Ferulic acid
Dihydroferulic acid sulphate	275 > 195	35 / 15	Ferulic acid
Dihydroferulic acid glucuronide	371 > 195	35 / 20	Ferulic acid
<i>Phenyl-<math>\gamma</math>-valerolactone derivatives</i>			
Hydroxyphenyl- $\gamma$ -valerolactone sulphate	271 > 191	40 / 20	Epicatechin
Dihydroxyphenyl- $\gamma$ -valerolactone sulphate	287 > 207	40 / 15	Epicatechin
Dihydroxyphenyl- $\gamma$ -valerolactone glucuronide	383 > 207	40 / 20	Epicatechin
Dihydroxyphenyl- $\gamma$ -valerolactone sulphate glucuronide	383 > 207	40 / 20	Epicatechin
Dihydroxyphenylvaleric acid	209 > 135	40 / 15	Epicatechin
<i>Flavan-3-ol</i>			
Catechin sulphate	369 > 289	40 / 15	Catechin
Epicatechin sulphate	369 > 289	40 / 15	Epicatechin
Methyl catechin sulphate	383 > 303	40 / 15	Catechin
Methyl epicatechin sulphate	383 > 303	40 / 15	Epicatechin
Catechin glucuronide	465 > 289	40 / 20	Catechin
Epicatechin glucuronide	465 > 289	40 / 20	Epicatechin
Methyl catechin glucuronide	383 > 303	40 / 15	Catechin
Methyl epicatechin glucuronide	383 > 303	40 / 15	Epicatechin

*Dihydrochalcones*

Phloretin glucuronide	449 > 273	40 / 20	Phloretin-2'- <i>O</i> -glucoside
Phloretin sulphate	353 > 273	40 / 20	Phloretin-2'- <i>O</i> -glucoside
Phloretin sulphate glucuronide	529 > 353	40 / 20	Phloretin-2'- <i>O</i> -glucoside

*Anthocyanins*

Cyanidin arabinoside	419 > 287	40 / 20	Cyanidin-3- <i>O</i> -galactoside
Cyanidin-3- <i>O</i> -galactoside	449 > 287	40 / 20	Cyanidin-3- <i>O</i> -galactoside
Cyanidin glucuronide	463 > 287	40 / 20	Cyanidin-3- <i>O</i> -galactoside
Peonidin galactoside	463 > 301	40 / 20	Cyanidin-3- <i>O</i> -galactoside
Peonidin glucuronide	477 > 301	40 / 20	Cyanidin-3- <i>O</i> -galactoside
Methyl peonidin glucuronide	491 > 315	40 / 20	Cyanidin-3- <i>O</i> -galactoside
Cyanidin sulphate glucuronide	543 > 367	40 / 20	Cyanidin-3- <i>O</i> -galactoside
Cyanidin galactoside glucuronide	625 > 463	40 / 20	Cyanidin-3- <i>O</i> -galactoside
Peonidin galactoside glucuronide	639 > 463	40 / 20	Cyanidin-3- <i>O</i> -galactoside

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CV: Cone voltage

CE: Collision energy

**Supplemental Table 3.** Amount of the main (poly)phenolic groups (mean  $\pm$  SD) excreted in urine (0-24h) after the intake of freeze-dried red-fleshed apple, hot air-dried red-fleshed apple and red-fleshed apple pasteurized purée.

Compounds	Freeze-dried red-fleshed apple			Hot air-dried red-fleshed apple			Red-fleshed apple pasteurized purée		
	V1	V2	V3	V1	V2	V3	V1	V2	V3
Benzoic acids	62.6 $\pm$ 2.51 <sup>b</sup> *	8.47 $\pm$ 0.40 <sup>a</sup> +	6.90 $\pm$ 0.36 <sup>a</sup> #	105 $\pm$ 5.43 <sup>C</sup> **	1.19 $\pm$ 0.06 <sup>A</sup> +	18.5 $\pm$ 1.01 <sup>B</sup> ##	236 $\pm$ 13.4 <sup>3</sup> ***	107 $\pm$ 5.91 <sup>2</sup> ++	57.1 $\pm$ 2.82 <sup>1</sup> ###
Phenylpropionic acids derivatives	129 $\pm$ 5.73 <sup>c</sup> *	16.5 $\pm$ 0.89 <sup>a</sup> +	86.8 $\pm$ 5.01 <sup>b</sup> #	300 $\pm$ 16.2 <sup>C</sup> **	4.67 $\pm$ 0.22 <sup>A</sup> +	192 $\pm$ 10.5 <sup>B</sup> ##	276 $\pm$ 16.3 <sup>2</sup> **	119 $\pm$ 8.12 <sup>1</sup> ++	282 $\pm$ 18.4 <sup>2</sup> ###
Phenylvalerolactones derivatives	14.5 $\pm$ 0.74 <sup>b</sup> *	2.31 $\pm$ 0.12 <sup>a</sup> +	27.6 $\pm$ 1.15 <sup>c</sup> #	23.9 $\pm$ 1.00 <sup>B</sup> *	3.21 $\pm$ 0.17 <sup>A</sup> +	24.4 $\pm$ 0.95 <sup>B</sup> #	97.7 $\pm$ 5.29 <sup>3</sup> **	11.4 $\pm$ 0.57 <sup>1</sup> ++	36.9 $\pm$ 1.89 <sup>2</sup> ##
Catechols derivatives	38.2 $\pm$ 1.94 <sup>c</sup> **	5.87 $\pm$ 0.23 <sup>a</sup> ++	20.0 $\pm$ 0.90 <sup>b</sup> #	17.8 $\pm$ 0.77 <sup>B</sup> *	0.83 $\pm$ 0.05 <sup>A</sup> +	20.4 $\pm$ 0.92 <sup>B</sup> #	45.7 $\pm$ 1.99 <sup>3</sup> ***	19.6 $\pm$ 0.55 <sup>1</sup> +++	37.4 $\pm$ 1.59 <sup>2</sup> ##
<b>Major metabolites</b>									
Anthocyanins derivatives	0.02 $\pm$ 0.00 <sup>a</sup> **	0.01 $\pm$ 0.00 <sup>a</sup> +++	0.01 $\pm$ 0.00 <sup>a</sup> ##	0.00 $\pm$ 0.00 <sup>A</sup> *	0.01 $\pm$ 0.00 <sup>B</sup> ++	0.01 $\pm$ 0.00 <sup>C</sup> ##	0.00 $\pm$ 0.00 <sup>1</sup> *	0.00 $\pm$ 0.00 <sup>1</sup> +	0.00 $\pm$ 0.00 <sup>1</sup> #
Flavan-3-ols derivatives	1.70 $\pm$ 0.07 <sup>c</sup> **	0.70 $\pm$ 0.04 <sup>a</sup> ++	1.09 $\pm$ 0.07 <sup>b</sup> ##	2.14 $\pm$ 0.11 <sup>C</sup> ***	0.24 $\pm$ 0.01 <sup>A</sup> +	0.95 $\pm$ 0.06 <sup>B</sup> ##	0.92 $\pm$ 0.05 <sup>2</sup> *	0.77 $\pm$ 0.05 <sup>1,2</sup> ++	0.65 $\pm$ 0.04 <sup>1</sup> #
Dihydrochalcones derivatives	0.55 $\pm$ 0.02 <sup>b</sup> **	0.36 $\pm$ 0.02 <sup>a</sup> ++	0.30 $\pm$ 0.01 <sup>a</sup> #	0.42 $\pm$ 0.02 <sup>B</sup> *	0.16 $\pm$ 0.01 <sup>A</sup> +	0.48 $\pm$ 0.02 <sup>B</sup> ##	0.68 $\pm$ 0.03 <sup>2</sup> ***	1.03 $\pm$ 0.07 <sup>3</sup> +++	0.41 $\pm$ 0.02 <sup>1</sup> ##
Hydroxycinnamic acids derivatives	4.45 $\pm$ 0.21 <sup>c</sup> *	1.53 $\pm$ 0.10 <sup>a</sup> +	2.44 $\pm$ 0.14 <sup>b</sup> #	11.2 $\pm$ 0.59 <sup>C</sup> **	0.48 $\pm$ 0.02 <sup>A</sup> +	4.39 $\pm$ 0.28 <sup>B</sup> ##	37.1 $\pm$ 1.93 <sup>2</sup> ***	8.84 $\pm$ 0.54 <sup>1</sup> ++	7.93 $\pm$ 0.40 <sup>1</sup> ###
<b>Minor metabolites</b>									
<b>TOTAL METABOLITES (<math>\mu</math>mols)</b>	<b>250 <math>\pm</math> 11.5<sup>c</sup></b> *	<b>35.6 <math>\pm</math> 2.04<sup>a</sup></b> +	<b>145 <math>\pm</math> 6.11<sup>b</sup></b> #	<b>460 <math>\pm</math> 24.1<sup>C</sup></b> **	<b>10.8 <math>\pm</math> 0.54<sup>A</sup></b> +	<b>261 <math>\pm</math> 13.7<sup>B</sup></b> ##	<b>694 <math>\pm</math> 39.0<sup>3</sup></b> ***	<b>268 <math>\pm</math> 15.8<sup>1</sup></b> ++	<b>422 <math>\pm</math> 25.2<sup>2</sup></b> ###

The values were compared inter-individual and intra-individual (One-way ANOVA, Tukey's test between all means,  $p < 0.05$ ).

Different lowercase letters: indicates differences between volunteers in excretion of (poly)phenols after the intake of freeze-dried red-fleshed apple.

Different capital letters: indicates differences between volunteers in excretion of (poly)phenols after the intake of hot air-dried red-fleshed apple.

Different numbers: indicates differences between volunteers in excretion of (poly)phenols after the intake of red-fleshed apple pasteurized purée.

The symbols \*, +, and # indicate differences between the 3 intakes for the same volunteer.

**Supplemental Table 4.** Amount of the (poly)phenolic compounds (mean  $\pm$  SD) excreted in urine (0-24h) after the intake of freeze-dried red-fleshed apple, hot air-dried red-fleshed apple and red-fleshed apple pasteurized purée for each of the 3 volunteers.

Phenolic compound	Freeze-dried red-fleshed apple			Hot air-dried red-fleshed apple			Red-fleshed apple pasteurized purée		
	V1	V2	V3	V1	V2	V3	V1	V2	V3
<i>Anthocyanins derivatives (nmols)</i>									
Cyanidin arabinoside	3.30 $\pm$ 0.14	0.06 $\pm$ 0.01	2.64 $\pm$ 0.42	0.48 $\pm$ 0.10	0.75 $\pm$ 0.36	1.58 $\pm$ 0.24	0.79 $\pm$ 0.15	1.75 $\pm$ 0.26	0.07 $\pm$ 0.01
Cyanidin galactoside	0.52 $\pm$ 0.30	1.10 $\pm$ 0.06	0.66 $\pm$ 0.05	0.14 $\pm$ 0.02	0.67 $\pm$ 0.06	0.83 $\pm$ 0.03	0.27 $\pm$ 0.01	n.d.	0.28 $\pm$ 0.01
Cyanidin glucuronide	6.69 $\pm$ 0.61	3.94 $\pm$ 0.26	4.52 $\pm$ 0.99	0.30 $\pm$ 0.06	1.83 $\pm$ 0.23	7.06 $\pm$ 0.38	0.74 $\pm$ 0.22	n.d.	0.60 $\pm$ 0.03
Peonidin galactoside	0.18 $\pm$ 0.12	1.24 $\pm$ 0.12	1.01 $\pm$ 0.13	1.56 $\pm$ 0.51	0.38 $\pm$ 0.10	0.93 $\pm$ 0.07	0.33 $\pm$ 0.01	n.d.	0.42 $\pm$ 0.06
Peonidin glucuronide	0.59 $\pm$ 0.09	2.68 $\pm$ 0.41	3.18 $\pm$ 0.07	0.65 $\pm$ 0.29	0.82 $\pm$ 0.10	0.02 $\pm$ 0.00	n.d.	n.d.	n.d.
Methyl peonidin glucuronide	2.52 $\pm$ 0.71	1.17 $\pm$ 0.12	1.68 $\pm$ 0.08	n.d.	n.d.	0.38 $\pm$ 0.06	n.d.	n.d.	n.d.
Cyanidin sulphate glucuronide	0.67 $\pm$ 0.13	0.85 $\pm$ 0.15	0.35 $\pm$ 0.06	0.07 $\pm$ 0.03	2.19 $\pm$ 0.10	0.83 $\pm$ 0.23	n.d.	n.d.	n.d.
Cyanidin galactoside glucuronide	n.d.	1.40 $\pm$ 0.21	n.d.	n.d.	0.03 $\pm$ 0.00	n.d.	n.d.	n.d.	n.d.
Peonidin galactoside glucuronide	0.61 $\pm$ 0.10	0.77 $\pm$ 0.03	0.86 $\pm$ 0.03	0.07 $\pm$ 0.01	0.11 $\pm$ 0.01	0.04 $\pm$ 0.00	n.d.	n.d.	n.d.
<i>Catechols derivatives (<math>\mu</math>mols)</i>									
Catechol sulphate	15.1 $\pm$ 0.55	4.67 $\pm$ 0.17	7.84 $\pm$ 0.30	10.2 $\pm$ 0.37	0.26 $\pm$ 0.02	9.76 $\pm$ 0.36	22.9 $\pm$ 0.65	17.2 $\pm$ 0.56	23.9 $\pm$ 0.87
Methyl catechol sulphate	19.9 $\pm$ 1.02	0.77 $\pm$ 0.04	11.1 $\pm$ 0.54	6.25 $\pm$ 0.32	n.d.	9.18 $\pm$ 0.47	18.8 $\pm$ 1.18	1.89 $\pm$ 0.02	11.5 $\pm$ 0.59
Catechol glucuronide	0.77 $\pm$ 0.04	0.30 $\pm$ 0.02	0.39 $\pm$ 0.02	n.d.	0.27 $\pm$ 0.02	0.46 $\pm$ 0.03	0.62 $\pm$ 0.09	0.24 $\pm$ 0.04	0.48 $\pm$ 0.03
Methyl catechol glucuronide	2.49 $\pm$ 0.34	0.14 $\pm$ 0.01	0.67 $\pm$ 0.04	1.37 $\pm$ 0.08	0.30 $\pm$ 0.01	0.94 $\pm$ 0.06	3.25 $\pm$ 0.07	0.31 $\pm$ 0.01	1.57 $\pm$ 0.10
<i>Flavan-3-ols derivatives (<math>\mu</math>mols)</i>									
Catechin sulphate	n.d.	0.09 $\pm$ 0.01	0.07 $\pm$ 0.00	n.d.	0.09 $\pm$ 0.00	n.d.	n.d.	0.09 $\pm$ 0.00	n.d.
Epicatechin sulphate	1.32 $\pm$ 0.05	0.24 $\pm$ 0.02	0.37 $\pm$ 0.02	0.20 $\pm$ 0.01	0.10 $\pm$ 0.00	0.40 $\pm$ 0.03	0.25 $\pm$ 0.01	0.16 $\pm$ 0.01	0.15 $\pm$ 0.01
Methyl catechin sulphate	n.d.	n.d.	0.17 $\pm$ 0.01	0.68 $\pm$ 0.03	n.d.	0.17 $\pm$ 0.01	0.35 $\pm$ 0.02	n.d.	n.d.
Methyl epicatechin sulphate	n.d.	0.25 $\pm$ 0.01	n.d.	0.36 $\pm$ 0.02	n.d.	n.d.	0.05 $\pm$ 0.00	0.26 $\pm$ 0.02	0.15 $\pm$ 0.01
Catechin glucuronide	0.20 $\pm$ 0.01	n.d.	0.39 $\pm$ 0.03	0.34 $\pm$ 0.02	n.d.	0.28 $\pm$ 0.01	0.16 $\pm$ 0.01	0.13 $\pm$ 0.01	0.27 $\pm$ 0.02
Epicatechin glucuronide	0.19 $\pm$ 0.01	0.10 $\pm$ 0.00	0.09 $\pm$ 0.01	0.05 $\pm$ 0.00	0.05 $\pm$ 0.00	0.09 $\pm$ 0.00	0.12 $\pm$ 0.01	0.13 $\pm$ 0.01	0.08 $\pm$ 0.01
Methyl catechin glucuronide	n.d.	n.d.	n.d.	0.22 $\pm$ 0.01	n.d.	n.d.	n.d.	n.d.	n.d.
Methyl epicatechin glucuronide	n.d.	n.d.	n.d.	0.29 $\pm$ 0.01	n.d.	n.d.	n.d.	n.d.	n.d.
<i>Phenylvalerolactones derivatives (<math>\mu</math>mols)</i>									
Hydroxyphenyl- $\gamma$ -valerolactone sulphate	1.53 $\pm$ 0.05	n.d.	n.d.	n.d.	n.d.	n.d.	4.88 $\pm$ 0.18	2.84 $\pm$ 0.10	0.86 $\pm$ 0.03
Dihydroxyphenyl- $\gamma$ -valerolactone sulphate	9.42 $\pm$ 0.48	1.57 $\pm$ 0.08	19.0 $\pm$ 0.69	16.4 $\pm$ 0.59	1.23 $\pm$ 0.09	18.0 $\pm$ 0.60	50.7 $\pm$ 2.60	5.90 $\pm$ 0.30	24.1 $\pm$ 1.24
Dihydroxyphenyl- $\gamma$ -valerolactone glucuronide	n.d.	0.38 $\pm$ 0.02	4.84 $\pm$ 0.24	4.68 $\pm$ 0.24	0.37 $\pm$ 0.03	3.68 $\pm$ 0.19	37.5 $\pm$ 2.21	1.63 $\pm$ 0.10	6.91 $\pm$ 0.41
Dihydroxyphenyl- $\gamma$ -valerolactone sulphate glucuronide	3.57 $\pm$ 0.21	0.36 $\pm$ 0.02	3.75 $\pm$ 0.21	2.89 $\pm$ 0.17	0.25 $\pm$ 0.01	2.73 $\pm$ 0.16	4.53 $\pm$ 0.30	0.99 $\pm$ 0.07	4.95 $\pm$ 0.22
Dihydroxyphenylvaleric acid	n.d.	n.d.	n.d.	n.d.	1.35 $\pm$ 0.05	n.d.	n.d.	n.d.	n.d.
<i>Dihydrochalcones derivatives (<math>\mu</math>mols)</i>									

Phloretin sulphate	0.15 ± 0.01	0.10 ± 0.01	0.08 ± 0.00	0.07 ± 0.00	0.02 ± 0.00	0.08 ± 0.00	0.18 ± 0.01	0.11 ± 0.01	0.09 ± 0.00
Phloretin glucuronide	0.24 ± 0.01	0.16 ± 0.01	0.12 ± 0.01	0.26 ± 0.01	0.12 ± 0.01	0.31 ± 0.02	0.38 ± 0.02	0.80 ± 0.06	0.27 ± 0.01
Phloretin sulphate glucuronide	0.16 ± 0.01	0.09 ± 0.00	0.10 ± 0.00	0.09 ± 0.01	0.01 ± 0.00	0.09 ± 0.01	0.12 ± 0.01	0.13 ± 0.01	0.06 ± 0.00
<i>Phenylpropionic acids derivatives (μmols)</i>									
Hydroxyphenylpropionic acid	14.6 ± 0.52	n.d.	0.19 ± 0.01	2.89 ± 0.11	n.d.	8.27 ± 0.48	42.6 ± 1.55	1.40 ± 0.05	18.0 ± 0.65
Hydroxyphenylpropionic acid sulphate	75.0 ± 2.38	3.14 ± 0.11	35.0 ± 1.80	27.0 ± 1.39	1.40 ± 0.05	110 ± 7.34	108 ± 5.52	28.8 ± 1.48	77.7 ± 3.99
Hydroxyphenylpropionic acid glucuronide	3.62 ± 0.21	n.d.	0.25 ± 0.01	1.05 ± 0.06	n.d.	1.11 ± 0.08	1.49 ± 0.09	0.82 ± 0.05	2.09 ± 0.12
Dihydroxyphenylpropionic acid	0.38 ± 0.03	0.10 ± 0.00	n.d.	2.27 ± 0.16	n.d.	0.11 ± 0.00	4.68 ± 0.31	2.39 ± 0.16	0.95 ± 0.06
Dihydroxyphenylpropionic acid sulphate	35.0 ± 2.59	13.0 ± 0.76	50.9 ± 3.16	266 ± 14.5	3.27 ± 0.17	72.5 ± 2.58	119 ± 8.87	85.3 ± 6.35	183 ± 13.6
Dihydrocaffeic acid glucuronide	n.d.	0.21 ± 0.01	0.44 ± 0.03	0.24 ± 0.01	n.d.	n.d.	0.22 ± 0.01	0.76 ± 0.03	0.41 ± 0.02
<i>Benzoic acids (μmols)</i>									
Vanillic acid	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	3.13 ± 0.11	1.73 ± 0.06	n.d.
Vanillic acid sulphate	n.d.	2.34 ± 0.08	1.76 ± 0.06	28.6 ± 1.06	n.d.	5.36 ± 0.20	61.9 ± 3.17	57.2 ± 2.93	19.4 ± 0.70
Vanillic acid glucuronide	n.d.	0.22 ± 0.01	0.39 ± 0.02	0.08 ± 0.00	0.12 ± 0.01	0.20 ± 0.01	6.67 ± 0.39	4.32 ± 0.25	3.08 ± 0.16
Homovanillic acid	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Homovanillic ac sulphate	20.5 ± 0.75	n.d.	n.d.	32.4 ± 1.94	n.d.	1.01 ± 0.06	21.8 ± 1.45	7.22 ± 0.48	n.d.
Protocatechuic acid	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Protocatechuic acid sulphate	2.43 ± 0.13	0.45 ± 0.02	4.52 ± 0.27	4.67 ± 0.30	0.31 ± 0.01	1.76 ± 0.12	19.1 ± 1.42	13.8 ± 1.03	14.0 ± 0.82
Protocatechuic acid glucuronide	n.d.	0.01 ± 0.00	n.d.	0.09 ± 0.01	n.d.	0.01 ± 0.00	0.70 ± 0.03	0.04 ± 0.00	0.21 ± 0.01
Hydroxytyrosol sulphate	5.76 ± 0.30	n.d.	n.d.	7.90 ± 0.35	n.d.	n.d.	20.2 ± 0.73	0.66 ± 0.02	n.d.
Hydroxytyrosol glucuronide	0.07 ± 0.00	0.10 ± 0.01	0.09 ± 0.01	n.d.	0.03 ± 0.00	0.03 ± 0.00	0.11 ± 0.01	0.20 ± 0.01	0.09 ± 0.01
<i>p</i> -hydroxybenzoic acid	0.03 ± 0.00	0.28 ± 0.01	n.d.	0.27 ± 0.01	n.d.	0.46 ± 0.02	4.19 ± 0.25	2.30 ± 0.14	1.01 ± 0.04
Hydroxybenzoic acid sulphate	29.3 ± 1.11	3.47 ± 0.13	0.09 ± 0.01	18.2 ± 0.93	n.d.	1.81 ± 0.09	64.1 ± 4.27	5.08 ± 0.34	2.72 ± 0.10
Hydroxybenzoic acid glucuronide	0.64 ± 0.02	0.00 ± 0.00	0.05 ± 0.00	0.78 ± 0.05	n.d.	0.02 ± 0.00	0.86 ± 0.06	0.05 ± 0.00	0.18 ± 0.01
Hydroxyhippuric acid	3.85 ± 0.20	1.58 ± 0.14	n.d.	11.9 ± 0.79	0.72 ± 0.04	7.81 ± 0.52	33.6 ± 1.48	14.6 ± 0.64	16.4 ± 0.96
<i>Hydroxycinnamic acids derivatives (μmols)</i>									
Coumaric acid	0.43 ± 0.02	0.15 ± 0.01	0.18 ± 0.01	0.20 ± 0.01	0.11 ± 0.00	0.12 ± 0.00	1.42 ± 0.05	0.52 ± 0.02	0.24 ± 0.01
Coumaric acid sulphate	2.65 ± 0.13	n.d.	n.d.	0.89 ± 0.05	0.02 ± 0.00	0.62 ± 0.03	25.1 ± 1.29	1.02 ± 0.05	1.16 ± 0.06
Caffeic acid sulphate	0.27 ± 0.01	0.34 ± 0.02	0.59 ± 0.03	1.10 ± 0.06	0.22 ± 0.01	0.84 ± 0.05	1.44 ± 0.08	0.94 ± 0.05	0.73 ± 0.04
Caffeic acid glucuronide	0.04 ± 0.00	n.d.	n.d.	0.02 ± 0.00	n.d.	n.d.	n.d.	n.d.	n.d.
Ferulic acid	0.00 ± 0.00	0.01 ± 0.00	n.d.	0.11 ± 0.01	0.05 ± 0.00	0.02 ± 0.00	0.25 ± 0.02	0.14 ± 0.01	0.18 ± 0.01
Ferulic acid sulphate	0.80 ± 0.03	0.93 ± 0.07	1.54 ± 0.10	3.51 ± 0.15	0.07 ± 0.00	2.38 ± 0.18	2.78 ± 0.21	3.79 ± 0.28	1.21 ± 0.09
Ferulic acid glucuronide	0.15 ± 0.01	0.05 ± 0.00	0.13 ± 0.01	0.36 ± 0.01	0.03 ± 0.00	0.13 ± 0.00	0.29 ± 0.01	0.14 ± 0.01	0.16 ± 0.01
Dihydroferulic acid	0.02 ± 0.00	n.d.	n.d.	0.52 ± 0.03	n.d.	n.d.	2.22 ± 0.08	0.44 ± 0.02	2.69 ± 0.10
Dihydroferulic acid sulphate	n.d.	0.05 ± 0.00	n.d.	3.61 ± 0.21	n.d.	0.18 ± 0.00	2.79 ± 0.14	1.55 ± 0.08	1.15 ± 0.06
Dihydroferulic acid glucuronide	0.08 ± 0.00	0.01 ± 0.00	n.d.	0.93 ± 0.07	n.d.	0.11 ± 0.01	0.83 ± 0.05	0.29 ± 0.02	0.41 ± 0.02

