

ARTICLE

Supplementary Information

**Table S1** Caffeine and CGA contents of conventional extracts (mg 100 g<sup>-1</sup> dw).

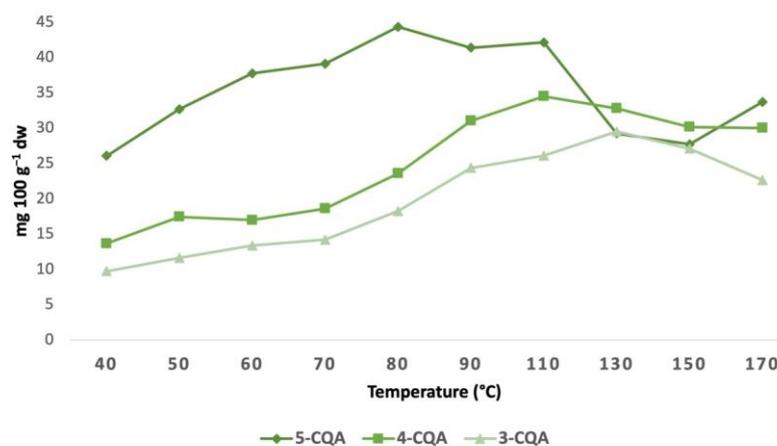
Extract	Caffeine	5-CQA	4-CQA	3-CQA	5-FQA+4-FQA	ΣCGA
A	1031,02 ± 8,64 <sup>a</sup>	61,25 ± 4,05 <sup>a</sup>	13,76 ± 1,58 <sup>a</sup>	9,53 ± 0,09 <sup>a</sup>	31,79 ± 2,27 <sup>d</sup>	116,34
B	568,33 ± 27,08 <sup>bc</sup>	33,41 ± 0,39 <sup>c</sup>	10,46 ± 0,48 <sup>b</sup>	10,45 ± 0,20 <sup>a</sup>	42,87 ± 0,83 <sup>bc</sup>	97,18
C	579,20 ± 5,36 <sup>bc</sup>	20,29 ± 0,75 <sup>e</sup>	5,32 ± 0,42 <sup>d</sup>	6,21 ± 0,19 <sup>cd</sup>	39,75 ± 1,41 <sup>c</sup>	71,57
D	1027,37 ± 6,28 <sup>a</sup>	43,66 ± 5,74 <sup>b</sup>	8,24 ± 0,70 <sup>bc</sup>	7,63 ± 1,02 <sup>b</sup>	28,86 ± 2,36 <sup>d</sup>	88,39
E	601,23 ± 10,98 <sup>bc</sup>	23,85 ± 0,74 <sup>de</sup>	4,83 ± 0,59 <sup>d</sup>	5,49 ± 0,27 <sup>d</sup>	40,52 ± 0,08 <sup>bc</sup>	74,69
F	552,93 ± 25,87 <sup>c</sup>	20,68 ± 1,18 <sup>e</sup>	5,16 ± 0,02 <sup>d</sup>	6,74 ± 0,06 <sup>bcd</sup>	37,41 ± 1,25 <sup>c</sup>	69,99
G	597,60 ± 19,17 <sup>bc</sup>	35,13 ± 0,84 <sup>bc</sup>	8,11 ± 0,91 <sup>bc</sup>	9,83 ± 0,64 <sup>a</sup>	49,37 ± 2,68 <sup>a</sup>	102,44
H	625,89 ± 38,23 <sup>b</sup>	32,12 ± 0,25 <sup>cd</sup>	7,00 ± 0,60 <sup>cd</sup>	7,40 ± 0,26 <sup>bc</sup>	45,72 ± 2,14 <sup>ab</sup>	92,24

Results are expressed as mean ± standard deviation. For each compound (within each column), different letters represent significant differences between samples at  $p < 0.05$ . CQA, caffeoylquinic acid; FQA, feruloylquinic acid.

**Table S2** Influence of grinding on caffeine and CGA contents of conventional extracts and MAE (mg 100 g<sup>-1</sup> dw).

Extract	Caffeine	5-CQA	4-CQA	3-CQA	5-FQA+4-FQA	ΣCGA
C.G1	899,62 ± 40,60 <sup>a</sup>	62,77 ± 2,54 <sup>a</sup>	19,07 ± 0,94 <sup>b</sup>	7,27 ± 0,19 <sup>c</sup>	51,63 ± 2,24 <sup>b</sup>	140,74
C.G2	913,35 ± 17,24 <sup>a</sup>	66,59 ± 2,07 <sup>a</sup>	19,41 ± 0,25 <sup>b</sup>	7,85 ± 0,37 <sup>c</sup>	57,75 ± 1,33 <sup>a</sup>	151,60
MW.G1	479,40 ± 9,84 <sup>b</sup>	50,46 ± 1,83 <sup>b</sup>	20,74 ± 1,18 <sup>b</sup>	10,74 ± 0,42 <sup>b</sup>	43,93 ± 0,35 <sup>c</sup>	125,88
MW.G2	493,87 ± 33,74 <sup>b</sup>	55,95 ± 1,31 <sup>b</sup>	23,47 ± 0,61 <sup>a</sup>	12,01 ± 0,42 <sup>a</sup>	49,70 ± 1,14 <sup>b</sup>	141,13

Results are expressed as mean ± standard deviation. For each compound (within each column), different letters represent significant differences between samples at  $p < 0.05$ . CQA, caffeoylquinic acid; FQA, feruloylquinic acid.



**Fig. S1** Influence of temperature on caffeoylquinic acid (CQA) contents.