

Supplementary materials

Table S1. Average values ± Standard Deviation of Total Phenolic Content (TPC), mg GAE/g DW, Total Flavonoid Content (TFC), mg CE/g DW, and Total Proanthocyanidin Content (TPAC), mg CE/g DW, determined in common bean whole flour (WF) and soaking water (SW). ORAC, µmol TEAC/g DW, was determined in whole flour (WF). TPC(SW)/TPC(WF), TFC(SW)/TFC(WF), TPAC(SW)/TPAC(WF) are, respectively, the percentage of TPC, TFC and TPAC released into the soaking water

Sample	PRT 005 accession n°	Moisture Content (%)	Whole Flour				Soaking Water				TPAC(SW)/TPAC(WF) (%)	
			TPC_WF	TFC_WF	TPAC_WF	ORAC_WF	TPC_SW	TPC(SW)/TPC(WF) (%)*	TFC_SW	TFC(SW)/TFC(WF) (%)	TPAC_SW	
White varieties												
1	4144	12.98	1.68 ± 0.04	0.10 ± 0.00	0.02 ± 0.00	33.31 ± 2.41	0.09 ± 0.00	5	0.01 ± 0.00	10	0.04 ± 0.01	>100
2	5383	10.25	1.12 ± 0.03	0.14 ± 0.01	0.01 ± 0.00	36.79 ± 2.96	0.13 ± 0.00	12	0.01 ± 0.00	7	0.04 ± 0.01	>100
3	4088	12.98	1.47 ± 0.01	0.18 ± 0.01	0.01 ± 0.00	44.63 ± 0.26	0.21 ± 0.01	14	0.01 ± 0.00	6	0.04 ± 0.01	>100
4	1979	10.17	1.41 ± 0.06	0.10 ± 0.01	0.02 ± 0.00	33.04 ± 1.59	0.09 ± 0.00	6	0.01 ± 0.00	10	0.04 ± 0.00	>100
5	5249	12.98	1.23 ± 0.04	0.20 ± 0.01	0.01 ± 0.00	39.00 ± 1.90	0.09 ± 0.00	7	0.01 ± 0.00	5	0.02 ± 0.00	>100
Yellow variety												
6	5388	12.98	3.12 ± 0.12	0.97 ± 0.04	0.15 ± 0.01	93.54 ± 1.24	0.83 ± 0.10	27	0.66 ± 0.07	68	0.11 ± 0.01	73
White background variety with brown speckles and brown marginal pattern												
7	4185	9.37	2.89 ± 0.03	0.78 ± 0.01	0.47 ± 0.14	74.17 ± 3.57	1.29 ± 0.07	45	0.83 ± 0.03	>100	0.09 ± 0.02	19
White and brown background variety												
8	4189	10.89	2.57 ± 0.17	0.77 ± 0.01	0.12 ± 0.02	77.84 ± 1.82	1.10 ± 0.05	43	0.34 ± 0.02	44	0.04 ± 0.00	33
Pink varieties												
9	4110	12.98	5.65 ± 0.14	2.88 ± 0.03	0.75 ± 0.05	187.72 ± 2.75	1.74 ± 0.03	31	1.03 ± 0.07	36	0.52 ± 0.13	69
10	4179	10.59	4.35 ± 0.00	1.08 ± 0.03	0.08 ± 0.00	137.46 ± 6.81	0.57 ± 0.03	13	0.35 ± 0.01	32	0.06 ± 0.01	75
Pink background variety with brown stripes												
11	4182-P	12.98	3.52 ± 0.09	1.38 ± 0.07	0.06 ± 0.00	93.92 ± 1.86	1.56 ± 0.05	44	0.90 ± 0.02	65	0.31 ± 0.06	>100
Pink background varieties with purple stripes												
12	4119	12.98	5.06 ± 0.10	2.78 ± 0.08	1.52 ± 0.04	182.97 ± 5.42	2.95 ± 0.03	58	2.05 ± 0.09	74	0.98 ± 0.13	64
13	4097	10.18	4.91 ± 0.08	1.80 ± 0.03	0.62 ± 0.08	121.30 ± 5.04	2.29 ± 0.04	47	1.57 ± 0.05	87	0.52 ± 0.18	84
14	4038	9.46	4.49 ± 0.11	2.34 ± 0.03	1.13 ± 0.08	140.31 ± 0.24	2.57 ± 0.08	57	1.79 ± 0.01	76	1.00 ± 0.15	88
15	4051	12.98	4.79 ± 0.06	2.51 ± 0.14	0.85 ± 0.05	174.53 ± 7.21	2.57 ± 0.01	54	1.59 ± 0.05	63	0.60 ± 0.01	71
16	5389	10.40	3.91 ± 0.11	1.35 ± 0.08	0.64 ± 0.05	107.54 ± 0.91	1.56 ± 0.05	40	1.35 ± 0.08	>100	1.00 ± 0.06	>100

Table S1. Cont.

Sample	PRT 005 accession n°	Moisture content (%)	Whole Flour					Soaking Water				
			TPC_WF	TFC_WF	TPAC_WF	ORAC_WF	TPC_SW	TPC(SW)/TPC(WF) (%)	TFC_SW	TFC(SW)/TFC(WF) (%)	TPAC_SW	TPAC(SW)/TPAC(WF) (%)
Red varieties												
17	4120	11.08	3.80 ± 0.05	1.24 ± 0.01	0.51 ± 0.11	97.72 ± 2.89	1.29 ± 0.06	34	0.90 ± 0.01	73	0.18 ± 0.03	35
18	5387	10.39	5.39 ± 0.16	1.52 ± 0.06	0.99 ± 0.09	151.03 ± 6.53	3.04 ± 0.07	56	1.48 ± 0.01	97	1.05 ± 0.09	>100
19	4070	10.13	4.44 ± 0.11	1.21 ± 0.04	0.07 ± 0.01	125.62 ± 3.28	1.78 ± 0.06	40	1.09 ± 0.03	90	0.49 ± 0.05	>100
20	5382	11.14	4.17 ± 0.10	1.49 ± 0.04	0.90 ± 0.13	90.82 ± 2.36	1.84 ± 0.04	44	1.19 ± 0.01	80	0.39 ± 0.04	43
21	4149-R	12.98	5.31 ± 0.12	1.79 ± 0.08	0.79 ± 0.05	162.13 ± 7.8	1.67 ± 0.06	31	1.02 ± 0.05	57	0.18 ± 0.01	23
Ligh brown variety												
22	4081	12.98	4.99 ± 0.07	1.49 ± 0.01	0.48 ± 0.02	143.74 ± 6.8	3.31 ± 0.10	66	1.86 ± 0.05	>100	0.43 ± 0.02	90
Brown varieties												
23	4182-B	10.30	3.34 ± 0.09	0.89 ± 0.03	0.19 ± 0.03	80.80 ± 1.38	1.06 ± 0.02	32	0.56 ± 0.02	63	0.10 ± 0.02	53
24	GC-34	12.98	4.82 ± 0.02	1.55 ± 0.04	0.10 ± 0.01	171.13 ± 5.65	1.33 ± 0.01	28	1.11 ± 0.03	72	0.32 ± 0.02	>100
25	GC-35	12.98	4.05 ± 0.01	1.77 ± 0.05	0.56 ± 0.01	182.71 ± 5.37	2.22 ± 0.09	55	1.40 ± 0.05	79	0.19 ± 0.01	34
26	GC-17	12.98	4.72 ± 0.09	2.04 ± 0.01	0.52 ± 0.08	178.47 ± 5.24	1.74 ± 0.03	37	1.08 ± 0.01	53	0.28 ± 0.03	54
Brown background varieties with dark brown strips												
27	4194	12.98	5.90 ± 0.08	2.88 ± 0.02	0.76 ± 0.04	188.73 ± 5.06	2.64 ± 0.07	45	1.84 ± 0.03	64	0.59 ± 0.07	78
28	GC-40	9.79	5.26 ± 0.30	1.51 ± 0.02	0.85 ± 0.02	138.89 ± 4.25	2.01 ± 0.03	38	1.14 ± 0.02	75	0.17 ± 0.04	20
29	5384	10.99	4.34 ± 0.07	1.33 ± 0.02	0.53 ± 0.04	103.91 ± 1.72	1.50 ± 0.05	35	0.85 ± 0.05	64	0.12 ± 0.03	23
30	4085	9.79	6.05 ± 0.17	2.23 ± 0.02	1.33 ± 0.13	146.58 ± 4.06	2.86 ± 0.10	47	1.61 ± 0.03	72	0.78 ± 0.09	59
31	4071	11.36	7.71 ± 0.35	2.78 ± 0.17	1.16 ± 0.23	213.36 ± 11.51	3.15 ± 0.08	41	2.10 ± 0.10	76	0.81 ± 0.05	70
Average ± SD (n=31)			4.08 ± 1.56	1.45 ± 0.83	0.52 ± 0.44	121.09 ± 52.10	1.65 ± 0.96		1.02 ± 0.63		0.37 ± 0.34	

Table S2. Average values ± Standard Deviation of Total Phenolic Content (TPC), mg GAE/g DW, Total Flavonoid Content (TFC), mg CE/g DW, and Total Proanthocyanidin Content (TPAC), mg CE/g DW, determined in soaked cotyledons (Cot) and coats (C)

Sample	PRT 005 accession n°	Cotyledons			Coats		
		TPC_Cot	TFC_Cot	TPAC_Cot	TPC_C	TFC_C	TPAC_C
White varieties							
1	4144	0.93 ± 0.00	0.15 ± 0.00	0.01 ± 0.00	0.04 ± 0.00	0.01 ± 0.00	0.01 ± 0.00
2	5383	0.82 ± 0.02	0.15 ± 0.01	0.01 ± 0.00	0.04 ± 0.00	0.01 ± 0.00	0.01 ± 0.00
3	4088	0.88 ± 0.03	0.13 ± 0.00	0.01 ± 0.00	0.04 ± 0.00	0.01 ± 0.00	0.01 ± 0.00
4	1979	0.80 ± 0.04	0.14 ± 0.00	0.01 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.01 ± 0.00
5	5249	0.92 ± 0.02	0.16 ± 0.00	0.01 ± 0.00	0.03 ± 0.00	0.01 ± 0.00	0.01 ± 0.00
Yellow variety							
6	5388	0.85 ± 0.02	0.22 ± 0.00	0.01 ± 0.00	1.06 ± 0.06	0.49 ± 0.04	0.32 ± 0.01
White background variety with brown speckles and brown marginal pattern							
7	4185	0.90 ± 0.05	0.17 ± 0.00	0.01 ± 0.00	1.80 ± 0.07	1.24 ± 0.04	1.10 ± 0.10
White and Brown background variety							
8	4189	1.11 ± 0.04	0.18 ± 0.00	0.01 ± 0.00	2.96 ± 0.09	2.1 ± 0.09	1.39 ± 0.11
Pink varieties							
9	4110	0.85 ± 0.03	0.18 ± 0.01	0.01 ± 0.00	3.92 ± 0.20	2.38 ± 0.28	3.47 ± 0.10
10	4179	1.03 ± 0.04	0.22 ± 0.00	0.01 ± 0.00	1.21 ± 0.04	0.77 ± 0.03	0.66 ± 0.14
Pink background variety with brown stripes							
11	4182-P	1.02 ± 0.03	0.20 ± 0.00	0.01 ± 0.00	3.60 ± 0.03	2.29 ± 0.24	2.38 ± 0.45
Pink background varieties with purple stripes							
12	4119	1.10 ± 0.03	0.24 ± 0.01	0.01 ± 0.00	3.86 ± 0.08	2.40 ± 0.16	2.28 ± 0.10
13	4097	1.01 ± 0.03	0.17 ± 0.00	0.01 ± 0.00	3.48 ± 0.06	2.21 ± 0.12	2.90 ± 0.74
14	4038	1.04 ± 0.02	0.21 ± 0.01	0.01 ± 0.00	4.07 ± 0.18	3.03 ± 0.06	2.51 ± 0.20
15	4051	1.15 ± 0.06	0.25 ± 0.00	0.01 ± 0.00	3.32 ± 0.14	2.20 ± 0.15	1.75 ± 0.25
16	5389	0.93 ± 0.03	0.20 ± 0.00	0.01 ± 0.00	3.93 ± 0.07	2.83 ± 0.19	4.00 ± 0.07

Table S2. Cont.

Sample	PRT 005 accession n°	Cotyledons			Coats		
		TPC_Cot	TFC_Cot	TPAC_Cot	TPC_C	TFC_C	TPAC_C
Red varieties							
17	4120	0.90 ± 0.03	0.18 ± 0.01	0.01 ± 0.00	3.47 ± 0.17	2.44 ± 0.25	1.96 ± 0.29
18	5387	1.12 ± 0.02	0.27 ± 0.01	0.01 ± 0.00	4.07 ± 0.19	2.37 ± 0.11	1.96 ± 0.35
19	4070	0.90 ± 0.00	0.21 ± 0.00	0.01 ± 0.00	3.56 ± 0.07	2.34 ± 0.12	1.84 ± 0.02
20	5382	0.86 ± 0.01	0.25 ± 0.00	0.01 ± 0.00	3.63 ± 0.10	2.49 ± 0.15	2.62 ± 0.31
21	4149-R	1.02 ± 0.07	0.22 ± 0.01	0.01 ± 0.00	4.13 ± 0.02	2.15 ± 0.16	3.50 ± 0.56
Light Brown variety							
22	4081	1.00 ± 0.01	0.22 ± 0.00	0.01 ± 0.00	3.14 ± 0.06	1.90 ± 0.10	1.98 ± 0.35
Brown varieties							
23	4182-B	0.91 ± 0.02	0.16 ± 0.01	0.01 ± 0.00	4.57 ± 0.07	2.50 ± 0.08	3.71 ± 0.69
24	GC-34	0.99 ± 0.02	0.19 ± 0.00	0.01 ± 0.00	3.60 ± 0.07	2.23 ± 0.23	1.86 ± 0.13
25	GC-35	1.07 ± 0.03	0.25 ± 0.00	0.01 ± 0.00	3.73 ± 0.31	2.33 ± 0.05	3.05 ± 0.13
26	GC-17	1.36 ± 0.06	0.29 ± 0.01	0.01 ± 0.00	4.61 ± 0.13	2.43 ± 0.23	2.29 ± 0.52
Brown background varieties with dark brown stripes							
27	4194	1.07 ± 0.02	0.29 ± 0.02	0.01 ± 0.00	3.72 ± 0.11	2.56 ± 0.18	3.23 ± 0.31
28	GC-40	1.03 ± 0.04	0.20 ± 0.01	0.01 ± 0.00	3.00 ± 0.18	2.08 ± 0.14	1.83 ± 0.22
29	5384	0.98 ± 0.00	0.19 ± 0.01	0.01 ± 0.00	2.74 ± 0.10	1.59 ± 0.09	2.07 ± 0.37
30	4085	1.33 ± 0.03	0.25 ± 0.01	0.01 ± 0.00	4.02 ± 0.18	2.93 ± 0.12	3.69 ± 0.18
31	4071	0.90 ± 0.00	0.20 ± 0.00	0.01 ± 0.00	3.96 ± 0.33	2.57 ± 0.16	2.25 ± 0.16
Average ± SD (n=31)		0.99 ± 0.13	0.20 ± 0.04	0.01 ± 0.00	2.88 ± 1.49	1.83 ± 0.97	1.96 ± 1.23

1 **Table S3.** Contribution of the different parameters analyzed in the two first principal components2 (* loadings $\geq |0.400|$)

Matrices	Parameters	PC1	PC2
Whole Flour (WF)	TPC	0.636*	0.690*
	TFC	0.629*	0.674*
	Two step_TPAC	0.622*	0.641*
	ORAC	0.522*	0.731*
Soaking Water (SW)	TPC	0.539*	0.771*
	TFC	0.610*	0.717*
	LogTPAC	0.724*	0.562*
Soaked Cotyledons (Cot)	LogTPC	0.059	0.765*
	TFC	0.315	0.793*
	Two step_TPC	0.872*	0.250
Soaked Coats (C)	TFC	0.876*	0.294
	LogTPAC	0.724*	0.562*
% Total variance (81.7)		42.3	39.4

3 ¹. TPC, Total Phenolic Content; TFC, Total Flavonoid Content; TPAC, Total Proanthocyanidin Content;
4 ORAC, Oxygen Radical Absorbance Capacity

6 **Table S4.** Average \pm standard deviation values of the parameters analyzed in the different fractions,
 7 considering the clusters of common bean varieties defined by multivariate analysis. Different letters
 8 indicate values significantly different between clusters (Scheffé's test, $p < 0.05$)

Matrices	Parameters	Cluster 1	Cluster 2	Cluster 3
Whole Flour (WF)	TPC (mg GAE/g DW)	2.21 \pm 1.10 (a)	5.10 \pm 1.01 (b)	4.18 \pm 0.88 (b)
	TFC (mg CE/g DW)	0.48 \pm 0.41 (a)	1.84 \pm 0.55 (b)	1.57 \pm 0.76 (b)
	TPAC* (mg CE/g DW)	0.10 \pm 0.15 (a)	0.65 \pm 0.39 (b)	0.60 \pm 0.27 (b)
Soaking Water (SW)	ORAC (μ mol TEAC/g DW)	63.31 \pm 35.71 (a)	151.26 \pm 33.54 (b)	112.92 \pm 42.94 (b)
	TPC (mg GAE/g DW)	0.49 \pm 0.48 (a)	2.28 \pm 0.66 (c)	1.50 \pm 0.32 (b)
	TFC (mg CE/g FW)	0.25 \pm 0.32 (a)	1.40 \pm 0.39 (b)	1.00 \pm 0.30 (b)
Soaked Cotyledons (Cot)	TPAC* (mg CE/g DW)	0.05 \pm 0.03 (a)	0.47 \pm 0.28 (b)	0.44 \pm 0.36 (b)
	TPC* (mg GAE/g DW)	0.92 \pm 0.10 (a)	1.04 \pm 0.11 (b)	0.89 \pm 0.03 (a)
	TFC (mg CE/g DW)	0.17 \pm 0.03 (a)	0.22 \pm 0.04 (b)	0.20 \pm 0.03 (ab)
Soaked Coats (C)	TPC* (mg GAE/g DW)	0.80 \pm 1.05 (a)	3.58 \pm 0.41 (b)	3.90 \pm 0.42 (b)
	TFC* (mg CE/g DW)	0.52 \pm 0.74 (a)	2.27 \pm 0.31 (b)	2.53 \pm 0.18 (b)
	TPAC (mg CE/g DW)	0.39 \pm 0.54 (a)	2.45 \pm 0.68 (b)	3.15 \pm 0.84 (b)
Color		<ul style="list-style-type: none"> • White (n=5) • White background with brown speckles and brown marginal pattern (n=1) • Yellow (n=1) • White and brown background (n=1) • Pink (n=1) 	<ul style="list-style-type: none"> • Pink (n=1) • Pink background with purple stripes (n=2) • Red (n=2) • Light brown (n=1) • Brown (n=3) • Brown background with dark brown stripes (n=5) 	<ul style="list-style-type: none"> • Pink (n=1) • Pink background with brown stripes (n=1) • Red (n=2) • Brown (n=1)

9 TPC, Total Phenolic Content; TFC, Total Flavonoid Content; TPAC, Total Proanthocyanidin Content;
 10 ORAC, Oxygen Radical Absorbance Capacity; *Differences established based on the results obtained for
 11 the transformed variables (Two-step TPAC_WF, LogTPC_Cot, Two-step TPC_C, Two-step TFC_C,
 12 LogTPAC_SW)

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Table S5. Discriminant analysis to evaluate the clustering solution

Sample	PRT 005 accession nº	Probability Cluster 1	Probability Cluster 2	Probability Cluster 3
1	4144	0.99969	0.00030	0.00000
2	5383	0.99983	0.00017	0.00000
3	4088	0.99967	0.00032	0.00000
4	1979	0.9999	0.00010	0.00000
5	5249	0.99995	0.00005	0.00000
6	5388	0.93889	0.06106	0.00005
7	4185	0.82926	0.16890	0.00184
8	4189	0.92679	0.07316	0.00005
9	4110	0.00000	0.04910	0.95090
10	4179	0.94335	0.05665	0.00000
11	4182-P	0.04226	0.9088	0.04894
12*	4119	-	-	-
13	4097	0.00164	0.95521	0.04315
14*	4038	-	-	-
15	4051	0.00250	0.9975	0.00001
16	5389	0.00000	0.00391	0.99609
17	4120	0.01265	0.4774	0.50995
18	5387	0.00010	0.99947	0.00043
19	4070	0.01355	0.89223	0.09422
20	5382	0.00031	0.5045	0.49519
21	4149-R	0.00023	0.81993	0.17984
22	4081	0.00801	0.99185	0.00014
23	4182-B	0.00000	0.00017	0.99983
24	GC-34	0.01436	0.9714	0.01424
25	GC-35	0.00138	0.99718	0.00144
26*	GC-17	-	-	-
27	4194	0.00001	0.99898	0.00101
28	GC-40	0.03397	0.96572	0.0003
29	5384	0.22949	0.7686	0.00191
30	4085-P	0.00000	0.99668	0.00332
31	4071	0.00000	0.73148	0.26852

16 *Excluded samples from multivariate analysis (values of TPC_C, TFC_C and TPAC_WF were out of
 17 ranking in the two-step transformed variables)

18

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Table S6. Molecular structure of the compounds identified

Family	Molecular structure	Substituent groups	Compound
Hydroxybenzoic acids		R ₁ -OH; R ₂ -H; R ₃ -OH; R ₄ -OH; R ₅ -H	Protocatechuic acid
		R ₁ -OH; R ₂ -H; R ₃ -OH; R ₄ -OC ₆ H ₁₂ O ₆ ; R ₅ -H	Protocatechuic acid-4-O-glucoside
		R ₁ -OH; R ₂ -H; R ₃ -H; R ₄ -OH; R ₅ -H	p-hydroxybenzoic acid
		R ₁ -OH; R ₂ -H; R ₃ -H; R ₄ -OC ₆ H ₁₂ O ₆ ; R ₅ -H	p-hydroxybenzoic acid-4-O-glucoside
		R ₁ -OH; R ₂ -H; R ₃ -H; R ₄ -OH; R ₅ -OCH ₃	Vanillic acid
		R ₁ -OH; R ₂ -H; R ₃ -H; R ₄ -OH; R ₅ -OH	Gentisic acid
Hydroxycinnamic acids		R ₁ -OCH ₃ ; R ₂ -H; R ₃ -OH	Ferulic acid
		R ₁ -H; R ₂ -H; R ₃ -OH	p-Coumaric acid
		R ₁ -OCH ₃ ; R ₂ -OCH ₃ ; R ₃ -OH	Sinapic acid
		R ₁ -OCH ₃ ; R ₂ -H; R ₃ -C ₆ H ₁₀ O ₈	trans-Feruloyl aldaric acid isomers
		R ₁ -H; R ₂ -H; R ₃ -C ₆ H ₁₀ O ₈	trans-p-coumaroyl aldaric acid isomers
		R ₁ -OCH ₃ ; R ₂ -OCH ₃ ; R ₃ -C ₆ H ₁₀ O ₈	Sinapoyl aldaric acid isomers
Flavan-3-ol		R ₁ -OH; R ₂ -H; R ₃ -OH	(+)-Catechin/(-)-Epicatechin
		R ₁ -OH; R ₂ -H; R ₃ -OC ₆ H ₁₂ O ₆	(+)-Catechin-3'-O-glucoside
		R ₁ -OC ₆ H ₁₂ O ₆ ; R ₂ -H; R ₃ -OH	(+)-Catechin-7-O-glucoside
		R ₁ -OH; R ₂ -C ₁₅ H ₁₄ O ₆ ; R ₃ -OH	Procyanidin B1, B2, B3, B4, B5
		R ₁ -OH; R ₂ -C ₃₀ H ₂₆ O ₁₂ ; R ₃ -OH	Procyanidin C1, C2
Flavanone		R ₁ -OH; R ₂ -OH; R ₃ -OH; R ₄ -OH	Eriodictyol (-R groups, could be substituted by -OC ₆ H ₁₂ O ₆ giving rise to 4 different eriodictyol-O-hexoside compounds)
		R ₁ -OH; R ₂ -OH; R ₃ -H; R ₄ -OH	Naringenin
		R ₁ -OC ₆ H ₁₂ O ₆ ; R ₂ -OH; R ₃ -H; R ₄ -OH	Naringenin-7-O-glucoside

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21

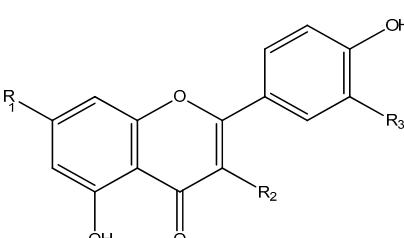
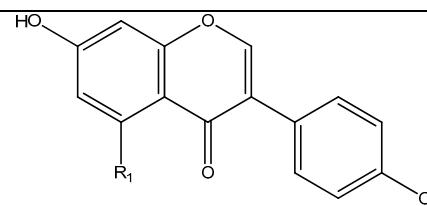
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Table S3. Cont.

Family	Molecular structure	Substituent groups	Compound
Flavonols		R ₁ -OH; R ₂ -OH; R ₃ -H	Kaempferol
		R ₁ -OH; R ₂ -OC ₁₁ H ₂₀ O ₁₀ ; R ₃ -H	Kaempferol-3-O-xylosyl-glucoside
		R ₁ -OH; R ₂ -OC ₆ H ₁₂ O ₆ ; R ₃ -H	Kaempferol-3-O-glucoside
		R ₁ -OH; R ₂ -OC ₈ H ₁₄ O ₇ ; R ₃ -H	Kaempferol-3-O-acetyl-glucoside
		R ₁ -OH; R ₂ -OH; R ₃ -OH	Quercetin
		R ₁ -OH; R ₂ -OC ₆ H ₁₂ O ₆ ; R ₃ -OH	Quercetin-3-O-glucoside
		R ₁ -OH; R ₂ -OC ₈ H ₁₄ O ₇ ; R ₃ -OH	Quercetin-3-(6-O-acetyl-β-glucoside)
Isoflavone		R ₁ -OC ₆ H ₁₂ O ₆ ; R ₂ -H; R ₃ -OC ₆ H ₁₂ O ₆	Luteolin-3',7-di-O-glucoside
		R ₁ -H	Daidzein
		R ₁ -OH	Genistein

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