

Table S1. Content of the polyphenols in *Brassicaceae* plants extracts

No sample	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
RUT	<LOD	<LOQ	<LOD	178	<LOQ	<LOQ	<LOD	<LOQ	<LOQ	<LOD	<LOD	0.42	<LOQ	0.52	<LOQ	<LOD	<LOD	<LOQ	<LOQ	<LOD	<LOQ	<LOQ	<LOD	<LOD	0.74
QUE	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	1.05	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	0.94	0.92	1.56	<LOQ	<LOQ	61.19	<LOQ	<LOQ	<LOQ	<LOQ	20.9	<LOQ	<LOQ
NAR	1.05	0.65	1.88	0.55	<LOQ	0.40	<LOQ	<LOQ	0.86	<LOQ	0.67	<LOQ	<LOQ	<LOQ	2.00	<LOQ	ND	<LOQ	<LOQ	<LOQ	ND	<LOQ	1.31	0.82	<LOQ
TAX	<LOQ	ND	ND	<LOQ	0.52	0.42	<LOQ	0.44	ND	ND	<LOQ	<LOQ	0.41	<LOQ	1.15	<LOQ	ND	0.42	1.03	<LOQ	ND	<LOQ	3.39	0.41	0.58
ERC	4.46	3.53	1.81	6.54	0.71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ERI	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	ND	0.79	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	0.73	0.71	ND	ND	ND	ND	<LOQ	<LOQ	ND	0.97	<LOQ	<LOQ
3-HBA	0.45	7.20	0.78	1.63	0.40	<LOQ	<LOQ	<LOQ	0.50	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	0.83	0.44	<LOQ	<LOQ	1.64	0.40	<LOQ	0.54
BA	0.64	1.32	2.98	2.30	0.61	2.03	1.24	3.23	0.87	1.44	2.21	0.82	0.99	0.67	2.43	ND	ND	1.78	1.23	1.73	ND	ND	0.63	1.01	ND
CA	0.66	ND	ND	ND	ND	0.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,4-DHBA	0.70	222	15.7	259	37.4	60.1	31.9	42.2	41.6	41.1	42.1	48.9	82.4	121	161	51.6	99.1	31.3	16.3	71.7	63.9	47.3	1167	61.9	45.3
4-HBA	295	4054	1478	863	121	1516	291	619	25.5	139	349	222	142	495	462	72.7	53.2	317	270	1306	169	110	215	111	114
3,4-HPPA	953	1346	868	65.3	75.5	92.9	70.7	36.5	527	194	123	122	93.8	51.2	103	106	504	705	127	94.4	74.9	182	121	143	517
3-HPA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<i>p</i> -COA	248	804	71.9	1663	145	377	576	550	195	924	833	68.4	179	91.4	234	77.2	168	447	148	250	95.3	454	612	125	109
FA	10.2	5.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DOPAC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53	0.40	0.66	0.91	1.21	0.40	ND	ND	ND	ND

α -HHA, HVA, HA, HST, HSD, NHSD, PIN, LQG, NRI, LIQ, FIS, NARG, GLB, FOR – not detected

1 – Radish – sprouts; 2 – Radish – roots; 3 – Radish – spots; 4 – Radish – leaves; 5 – Broccoli – sprouts; 6 – Broccoli – flowers; 7 – Brussels sprouts – leaves; 8 – Kale – leaves; 9 – Canola – roots; 10 – Canola – spots; 11 – Canola – leaves; 12 – Conehead cabbage – leaves; 13 – Kohlrabi – spots; 14 – Kohlrabi – edible spot; 15 – Kohlrabi – leaves; 16 – Green cabbage – leaves; 17 – Chinese cabbage – midvein; 18 – Chinese cabbage – leaves; 19 – Cauliflower – leaves; 20 – Cauliflower – head; 21 – Cauliflower – midvein; 22 – Pak Choi cabbage – leaves; 23 – Red cabbage – leaves; 24 – Italian cabbage – leaves; 25 – Kale – sprouts

Table S2. MRM transitions for selected polyphenols.

Compound	<i>Q1</i> ^a (<i>m/z</i>)	<i>Q3</i> ^b (<i>m/z</i>)
3,4-DHBA	152.9	108.9
<i>α</i>-HPA	193.9	72.8
DOPAC	166.9	122.7
4-HBA	136.9	93.0
CA	178.9	135.0
HA	177.9	133.7
3-HBA	136.9	92.6
3-HPA	150.9	107.0
HVA	180.8	136.8
3,4-HPPA	164.9	120.5
p-COA	162.9	119.2
FA	192.9	134.2
ERC	595.2	286.9
LIQ	417.2	255.0
RUT	609.0	299.7
TAX	303.2	284.7
BA	120.9	76.8
NRI	579.3	270.9
NARG	579.2	270.9
HSD	609.0	300.8
NHSD	609.0	300.8
FIS	284.9	134.8
LQG	255.1	118.7
ERI	287.0	150.7
QUE	300.9	150.7
NAR	270.9	150.7
HST	300.9	163.7
FOR	266.9	251.8
CHS (IS)	252.9	143.0
PIN	254.8	150.7
GLB	323.2	201.3

^a Q1, precursor ion^b Q3, fragment ion