

Table S1. Contents of anthocyanidins in purple Chinese cabbage analyzed by high-performance liquid chromatography (mg/kg)

No.	delphinidin	cyanindin	pelargonidin	peonidin	No.	delphinidin	cyanindin	pelargonidin	peonidin	No.	delphinidin	cyanindin	pelargonidin	peonidin
1	173.9	3698.3	54.5	46.0	37	179.3	4035.7	55.1	47.0	73	155.6	10600.6	54.7	52.4
2	171.2	5005.9	52.9	47.8	38	162.7	4385.8	54.4	43.6	74	164.8	10149.0	57.0	54.5
3	159.8	4542.4	49.1	45.0	39	167.5	6240.8	55.8	45.9	75	169.7	9711.2	53.8	57.7
4	150.3	4524.0	48.7	41.1	40	171.8	5947.6	56.7	46.8	76	158.8	10101.2	52.3	49.4
5	163.4	5417.6	49.9	42.8	41	170.6	6450.3	55.5	48.1	77	170.2	12656.1	57.1	57.5
6	173.2	7634.0	59.8	46.7	42	193.7	7279.4	61.9	54.1	78	183.6	12579.2	64.0	56.7
7	164.9	5861.8	55.4	45.9	43	181.4	7056.3	60.2	52.8	79	181.3	12368.4	61.8	55.4
8	149.3	4638.2	50.1	40.7	44	181.1	7746.5	62.3	51.9	80	185.1	11785.7	58.6	57.5
9	134.6	5056.7	43.1	36.3	45	167.7	7721.1	56.6	48.2	81	nd	373.7	nd	nd
10	151.8	847.0	46.2	35.9	46	168.5	6986.2	56.4	49.1	82	nd	149.7	nd	nd
11	165.4	1498.3	51.0	39.8	47	172.1	7197.5	56.7	47.2	83	nd	93.5	nd	nd
12	149.6	792.7	44.3	33.9	48	174.0	5756.0	59.2	48.8	84	187.4	5103.6	60.4	52.0
13	165.2	1788.9	49.2	40.0	49	150.7	3437.1	47.2	42.6	85	182.9	8246.2	65.2	54.5
14	146.7	2247.5	46.2	36.1	50	164.2	4211.3	52.6	46.1	86	166.9	6705.6	59.4	48.6
15	140.9	1430.3	43.6	34.2	51	189.7	3737.0	60.2	52.1	87	150.7	819.8	45.2	34.9
16	177.4	2334.5	55.4	44.5	52	154.0	2375.9	47.7	40.3	88	175.7	5610.4	56.9	50.1
17	166.9	3305.5	52.6	42.5	53	158.0	3517.8	47.8	42.5	89	nd	419.9	nd	nd
18	172.2	2733.0	54.3	44.5	54	168.1	3391.4	52.7	46.4	90	158.5	5672.9	51.8	51.8
19	189.5	5460.9	62.4	54.4	55	169.1	2667.0	52.9	43.9	91	145.8	4482.9	47.7	47.1
20	164.7	3882.3	52.4	46.4	56	141.2	3494.8	44.7	39.2	92	153.9	3928.3	44.5	35.8
21	152.1	4930.9	50.1	45.7	57	137.6	2859.6	44.4	38.3	93	159.7	4824.4	59.1	49.0
22	165.7	6118.2	54.7	48.8	58	147.2	3787.7	45.7	40.3	94	150.6	4626.4	58.7	41.6
23	183.5	5333.7	58.9	49.6	59	147.9	7160.7	52.6	48.0	95	173.6	7833.9	53.7	47.7
24	187.3	7174.0	66.0	53.4	60	163.0	10658.0	58.2	55.9	96	150.9	1132.3	53.5	34.1
25	165.2	6582.6	54.6	49.1	61	157.7	5100.1	52.3	46.2	97	177.5	2234.2	57.4	45.6
26	156.5	4343.1	51.0	44.6	62	158.9	7828.1	55.9	49.6	98	157.2	2831.8	54.2	44.2
27	166.1	5067.9	52.7	45.8	63	156.6	9245.0	57.1	52.3	99	149.8	3961.5	46.5	42.3

28	185.8	5102.5	59.1	51.4	64	161.0	4813.1	54.9	44.3	100	171.1	7865.3	63.3	55.6
29	178.5	6412.4	58.0	51.3	65	171.2	6068.5	55.5	49.8	101	148.5	7081.9	56.8	59.1
30	188.8	9625.5	63.6	57.5	66	175.6	12802.4	62.0	63.0	102	192.7	3796.2	63.2	57.1
31	154.5	4460.9	48.8	41.0	67	149.1	8369.6	51.1	51.2	103	159.1	1767.3	42.9	50.9
32	170.9	7017.2	59.7	46.0	68	169.1	6745.0	58.7	50.7	104	169.5	8336.6	51.3	61.2
33	149.6	4031.2	46.6	42.4	69	157.8	9136.8	55.8	47.3	105	159.6	316.7	58.3	54.7
34	143.8	4454.9	46.3	40.6	70	141.8	7897.9	49.8	46.1	106	169.9	6805.0	49.5	38.6
35	178.1	6792.7	61.8	49.7	71	152.1	6231.8	49.8	45.7					
36	169.1	5454.1	55.0	44.9	72	144.4	5178.2	49.7	41.9					

No. 1-86: the calibration set samples; No. 87-106: the validation set samples.

nd: not detected.