

Table S3 Contents of anthocyanidins identified from leaves and petals (ug/g FW) (Mean \pm SE, n = 3).

Target measurement	Period	Cy3G5G	Pn3G5G	Pn3G	Pg3G5G	TA
Leaf surface	LS1	77.91 \pm 1.57	122.02 \pm 14.24	13.22 \pm 0.65	0	213.14 \pm 16.43
	LS2	93.13 \pm 2.09	292.61 \pm 22.63	17.75 \pm 0.73	0	403.49 \pm 25.41
	LS3	104.96 \pm 4.95	419.09 \pm 51.41	21.81 \pm 4.53	0	543.86 \pm 57.33
	LS4	115.54 \pm 3.18	588.27 \pm 35.91	29.84 \pm 0.83	0	733.66 \pm 39.91
	LS5	128.22 \pm 3.15	980.21 \pm 43.35	58.02 \pm 1.91	0	1166.45 \pm 48.25
	LS6	137.67 \pm 2.13	1021.07 \pm 42.12	69.85 \pm 2.67	0	1228.59 \pm 48.86
	LS7	113.13 \pm 5.33	552.39 \pm 62.07	24.39 \pm 1.88	0	689.91 \pm 69.28
	LS8	68.70 \pm 0.41	45.98 \pm 2.24	0	0	114.68 \pm 2.60
Flower petal	FS1	70.99 \pm 0.21	89.59 \pm 5.08	0	0	160.59 \pm 5.26
	FS2	107.43 \pm 7.31	450.24 \pm 77.95	10.46 \pm 0.84	17.31 \pm 0.73	585.45 \pm 86.81
	FS3	122.08 \pm 2.28	566.54 \pm 15.96	13.17 \pm 0.1	20.56 \pm 0.26	722.35 \pm 18.07
	FS4	113.91 \pm 5.28	537.58 \pm 51.09	13.14 \pm 0.87	30.25 \pm 1.96	694.88 \pm 58.64
	FS5	92.07 \pm 4.83	238.35 \pm 43.73	7.86 \pm 0.43	17.18 \pm 0.17	355.46 \pm 47.96

Note: Cy3G5G, cyanidin-3,5-di-O-glucoside; Pn3G5G, peonidin-3,5-di-O-glucoside; Pn3G, peonidin-3-O-glucoside; Pg3G5G, pelargonidin-3,5-di-O-glucoside; TA, total anthocyanidins.