

Evaluation of anthocyanin profiles in various blackcurrant cultivars over a three-years period using fast HPLC-DAD method

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Supplementary material

1. HPLC analysis of blackcurrant cultivars

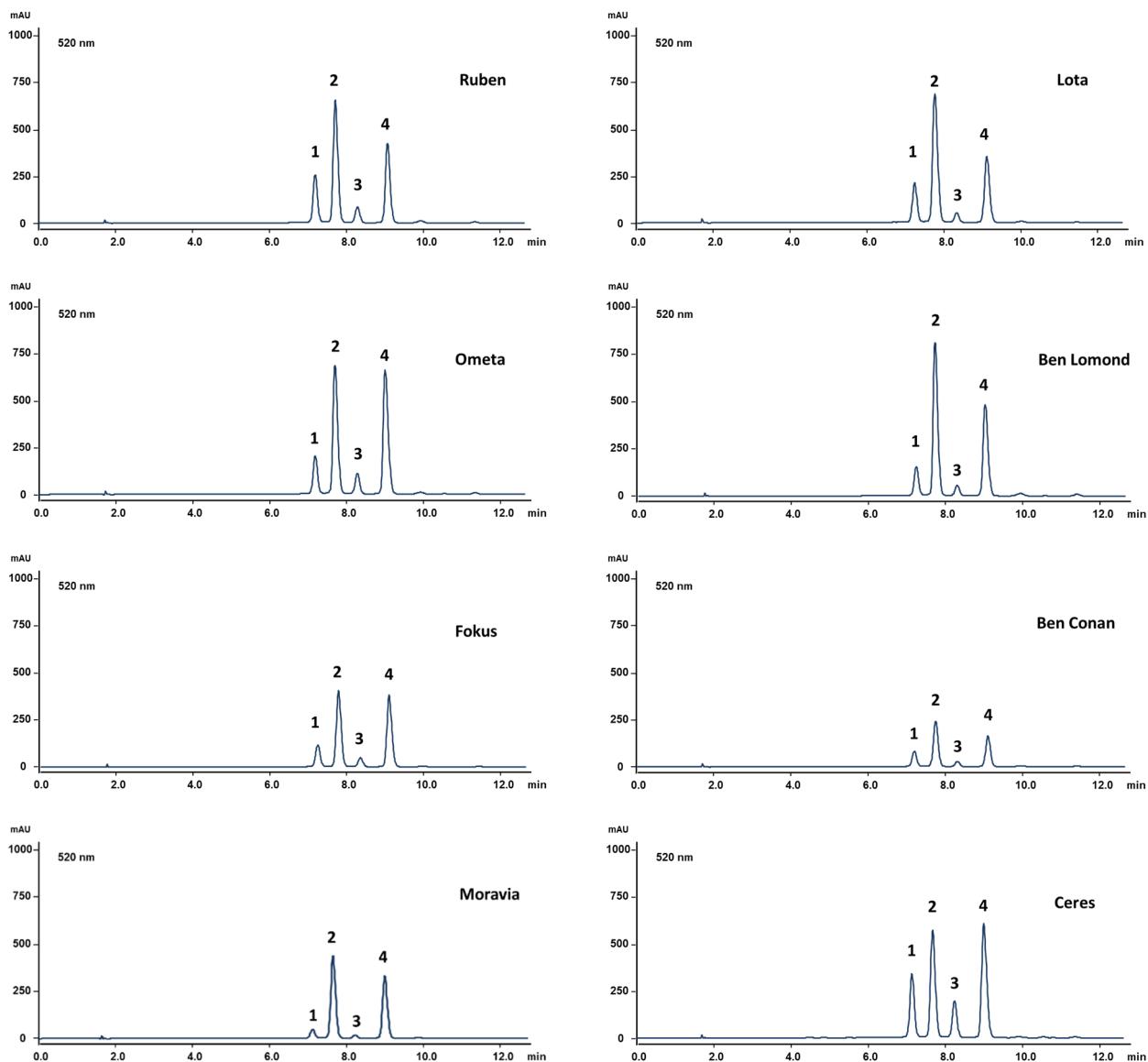


Figure S1: Chromatograms of anthocyanins content in several cultivars. (1) delphinidin-3-glucoside; (2) delphinidin-3-rutinoside; (3) cyanidin-3-glucoside; (4) cyanidin-3-rutinoside

2. Evaluation of anthocyanin content throughout the three-year experiment

Table S1: Total anthocyanin content in 15 blackcurrant cultivars in three years period

Blackcurrant cultivars	Total anthocyanin content (mg/100 g) ^a			
	First year	Second year	Third year	Average
Moravia	135.78	135.89	213.00	161.6 ± 44.6
Ometsa	310.98	267.40	228.91	269.1 ± 41.1
Ben Conan	79.41	186.60	198.21	154.7 ± 65.5
Fokus	141.42	187.83	209.04	179.4 ± 34.6
Ceres	261.82	234.54	347.56	281.3 ± 59.0
Ben Lomond	217.38	130.95	282.66	210.3 ± 76.1
Lota	219.95	141.68	239.49	200.4 ± 51.8
Ruben	208.30	263.16	289.33	253.6 ± 41.4
Ben Hope	n.m.	211.20	301.89	256.6 ± 64.1
Ben Gairn	n.m.	235.17	353.59	294.4 ± 83.7
Consort	172.56	n.m.	n.m.	172.6
Tenah	202.02	n.m.	n.m.	202.0
Sejanec	186.27	n.m.	n.m.	186.3
Triton	n.m.	174.91	n.m.	174.9
Josta	n.m.	n.m.	93.48	93.5

^a Calculated as a sum of four main individual anthocyanins

n.m. - not measured