

Supplementary Materials

Table S1. Retention times, cultivars, references and MS data of phenolic compounds in negative and positive mode for cultivars 'Istrska belica' (IB) and 'Pendolino' (PE).

Phenolic compound	Rt (min)	[M-H]-(<i>m/z</i>)	MS ² (<i>m/z</i>)	Cultivar	Reference
Hydroxytyrosol glucoside	7.66	315	153, 123	PE, IB	[48]
Acyclodihydroelenolic acid hexoside isomer 1	8.57	407	389, 375, 357	IB	[49]
Tyrosol glucoside	9.28	299	137	PE	[49]
Acyclodihydroelenolic acid hexoside isomer 2	9.85	407	375, 389, 357	IB	[49]
Hydroxytyrosol	10.2	153	123	PE, IB	standard
Elenolic acid glucoside isomer 1	11.74	403	371, 223, 179, 333	PE, IB	[50]
Elenolic acid glucoside isomer 2	11.98	403	371, 223, 179	PE, IB	[50]
Oleoside	12.01	389	345, 209	PE	[49]
Elanolic acid	12.85	241	139, 127, 94	IB	[49]
<i>p</i> -Coumaric acid glucoside	13.9	325	163, 119, 281, 187	PE, IB	[51]
Cryptochlorogenic acid	14.09	353	191, 179	PE	[48]
Elenolic acid glucoside isomer 3	14.69	403	371, 223, 179, 333	IB	[50]
Oleuropein aglycone derivatives	15.13	377	197, 153, 307	PE, IB	[51]
Chlorogenic acid	15.87	353	191, 179	PE	standard
Elenolic acid glucoside isomer 4	16.8	403	371, 223, 179	IB	[50]
β -Hydroxy-verbascoside	17.02	639	621, 529, 429	IB	[49]
Demethyleuropein	19.66	525	168, 481	IB	[48]
Tormentic acid derivatives	20.07	485	349, 305, 168	PE, IB	[48]
Verbascoside	20.85	623	461	IB	[52]
Quercetin 3-O-rutinoside	21.07	609	301, 343	PE, IB	standard
Luteoline 7-O-rutinoside	21.29	593	285, 447, 327	PE, IB	standard
Luteoline 7-O-glucoside	21.7	447	285, 327	PE, IB	standard
Oleuropein glucoside isomer	21.88	701	539, 377, 307, 275	PE, IB	[49]
Hydroxyoleuropein	22.16	573	555	PE, IB	[51]
Kaempferol 7-O-(6" <i>rhamnosyl</i>) hexoside	22.4	593	285, 257	PE, IB	[53]
Caffeoil-6'-secologanoside	22.89	551	285, 447	IB	[54]
Oleuropein aglycone isomer 1	23.54	377	307, 275, 345	PE, IB	[50]
Quercetin 3-O-rhamnoside	23.58	447	301, 343	PE, IB	[54]
Apigenin 7-O-glucoside	23.6	431	269	PE	[48]
Oleuropein	24.21	539	377, 307, 275, 345	PE, IB	standard
6-Deoxyhexopyranosyl-oleoside	24.69	535	491, 389, 264, 517	PE, IB	[50]
Secologanoside isomer 1	24.91	539		IB	[50]
Secologanoside isomer 2	24.93	539		IB	[50]
Oleuropein isomer	24.99	539	307, 275, 377, 345	PE	[50]
Oleuropein aglycone isomer 2	25.39	377	307, 275, 345	PE, IB	[50]

Oleuropein aglycone isomer 3	25.42	377	307, 275, 345	IB	[50]
Oleuropein aglycone isomer 4	26.53	377	307, 275, 345	IB	[50]
Oleuropein aglycone isomer 5	26.57	377	307, 275, 345	IB	[50]
Methoxyoleuropein isomer	26.93	569		PE, IB	[50]
Oleacein	27	319		PE	[49]
Oleuropein aglycone isomer 6	27.44	377	307, 275, 345	IB	[50]
Phenolic compound	Rt (min)	[M-H] + (<i>m/z</i>)	MS ² (<i>m/z</i>)	Cultivar	Reference
Cyanidin 3-O-glucoside	10.3	449	287	PE	standard
Cyanidin 3-O-rutinoside	10.9	595	287, 449	PE	standard

Table S2. Individual phenolic isomers (mg kg⁻¹ FW) of pierced tissue of damaged fruits, non-pierced tissue of damaged fruits and control fruits of 'Pendolino' and 'Istrska belica' cultivars.

Phenolic Compound	C	NP	P/D	Cultivar
Elenolic acid glucoside isomer 2	1.88 ± 0.26 ^a	1.52 ± 0.37 ^a	1.74 ± 0.25 ^a	PE
Oleuropein aglycone isomer 1	488.82 ± 85.28 ^a	547.38 ± 89.40 ^a	581.39 ± 62.90 ^a	PE
Oleuropein aglycone isomer 2	1252.09 ± 126.60 ^a	1097.90 ± 94.38 ^a	1047.37 ± 207.88 ^a	PE
Acyclodihydroelenolic a. hexoside isomer 1	0.22 ± 0.05 ^a	0.16 ± 0.04 ^a	0.16 ± 0.02 ^a	IB
Acyclodihydroelenolic a. hexoside isomer 2	0.15 ± 0.04 ^b	0.06 ± 0.01 ^a	0.07 ± 0.01 ^a	IB
Elenolic acid glucoside isomer 1	0.42 ± 0.09 ^b	0.21 ± 0.04 ^a	0.18 ± 0.08 ^a	IB
Elenolic acid glucoside isomer 2	1.07 ± 0.06 ^b	1.08 ± 0.07 ^b	0.85 ± 0.07 ^a	IB
Elenolic acid glucoside isomer 3	0.37 ± 0.11 ^a	0.51 ± 0.11 ^a	0.31 ± 0.04 ^a	IB
Elenolic acid glucoside isomer 4	0.32 ± 0.08 ^a	0.37 ± 0.04 ^a	0.24 ± 0.03 ^a	IB
Secologanoside isomer 1	4.43 ± 0.83 ^a	3.38 ± 0.36 ^a	3.12 ± 0.40 ^a	IB
Secologanoside isomer 2	6.30 ± 0.34 ^a	6.38 ± 0.39 ^a	5.00 ± 0.47 ^a	IB
Oleuropein aglycone isomer 1	73.99 ± 4.44 ^a	91.87 ± 3.39 ^a	71.27 ± 7.53 ^a	IB
Oleuropein aglycone isomer 2	51.77 ± 3.16 ^b	38.78 ± 3.47 ^a	36.74 ± 2.04 ^a	IB
Oleuropein aglycone isomer 3	97.50 ± 7.38 ^a	147.35 ± 8.65 ^b	91.50 ± 5.17 ^a	IB
Oleuropein aglycone isomer 4	53.27 ± 3.31 ^b	36.94 ± 4.17 ^a	50.82 ± 6.00 ^b	IB
Oleuropein aglycone isomer 5	216.79 ± 27.97 ^b	146.14 ± 22.85 ^a	169.15 ± 23.53 ^a	IB
Oleuropein aglycone isomer 6	34.79 ± 6.59 ^b	29.97 ± 6.68 ^a	27.11 ± 3.41 ^a	IB

Data are means ± SD of 6 replicates. Different letters indicate statistically significant differences between pierced tissue of damaged fruits (P), non-pierced tissue of damaged fruits (NP) and control (C) fruits (p ≤ 0.05)