

**Table S1.** Standards and calibration curves used in the quantification of olive oils compounds.

Standard	Calibration Range (mg/L)	Calibration Curve	R <sup>2</sup>
Hydroxytyrosol	0.5 – 100	$y = 132539x + 114801$	0.99
Tyrosol	0.5 – 100	$y = 31019x + 23718$	0.99
<i>p</i> -Coumaric acid	0.5 – 10	$y = 309212x - 109517$	0.99
Oleuropein	0.5 – 50	$y = 327798x + 513007$	0.98
Pinoresinol	0.5 – 75	$y = 155867x + 610554$	0.97
Luteolin	0.5 – 75	$y = 124152x + 343037$	0.99
Apigenin	0.5 – 10	$y = 428877x - 14275$	0.98

**Table S2.** Standards and calibration curves used in the quantification of olive fruit, olive paste and by-products compounds.

Standard	Calibration Range (mg/L)	Calibration Curve	R <sup>2</sup>	LOD (mg/L)	LOQ (mg/L)
Hydroxytyrosol	0.1 – 100	y = 45928x + 101086	0.99	$2.8 \cdot 10^{-4} \pm 4 \cdot 10^{-5}$	$9.3 \cdot 10^{-4} \pm 1.4 \cdot 10^{-4}$
<i>p</i> - Coumaric acid	0.1 – 50	y = 114386x + 113145	0.99	$1.7 \cdot 10^{-4} \pm 3 \cdot 10^{-5}$	$5.3 \cdot 10^{-4} \pm 9 \cdot 10^{-5}$
Oleuropein	0.1 – 100	y = 277645x + 91705	0.99	$8.8 \cdot 10^{-5} \pm 1.1 \cdot 10^{-5}$	$2.9 \cdot 10^{-4} \pm 4 \cdot 10^{-5}$
Pinoresinol	0.1 – 100	y = 28193x - 37545	0.99	$6.3 \cdot 10^{-4} \pm 1.0 \cdot 10^{-4}$	$2.7 \cdot 10^{-3} \pm 5 \cdot 10^{-4}$
Luteolin	0.1 – 25	y = 239496x + 164132	0.99	$9.3 \cdot 10^{-4} \pm 1.6 \cdot 10^{-4}$	$3.1 \cdot 10^{-3} \pm 7 \cdot 10^{-4}$
Apigenin	0.1 – 25	y = 355194x + 197303	0.98	$8.1 \cdot 10^{-5} \pm 1.4 \cdot 10^{-5}$	$2.7 \cdot 10^{-4} \pm 5 \cdot 10^{-5}$
Loganin	0.1 – 25	y = 206516x + 120954	0.98	$9.2 \cdot 10^{-5} \pm 1.1 \cdot 10^{-5}$	$3.1 \cdot 10^{-4} \pm 4 \cdot 10^{-5}$
Verbascoside	0.1 – 25	y = 199549x - 27184	0.99	$2.6 \cdot 10^{-4} \pm 4 \cdot 10^{-5}$	$8.8 \cdot 10^{-4} \pm 1.3 \cdot 10^{-4}$
Luteolin-7-glucoside	0.1 – 25	y = 132767x + 56279	0.99	$2.7 \cdot 10^{-4} \pm 5 \cdot 10^{-5}$	$9.1 \cdot 10^{-4} \pm 1.7 \cdot 10^{-4}$
Maslinic acid	0.1 – 70	y = 12107x + 27158	0.98	$4.3 \cdot 10^{-4} \pm 6 \cdot 10^{-5}$	$1.4 \cdot 10^{-3} \pm 2 \cdot 10^{-4}$

LOD: limits of detection

LOQ: limits of quantification

**Table S3.** Quantification of compounds identified in olive fruit, olive paste and olive oils.

COMPOUNDS	Olive fruit (µg compound/g fruit)	Olive paste (µg compound/g paste)	Olive oil				
			Horizontal centrifuge oil (µg compound/g oil)	Vertical centrifuge oil (µg compound/g oil)	Decanted oil 1 (µg compound/g oil)	Decanted oil 2 (µg compound/g oil)	Decanted oil 3 (µg compound/g oil)
Phenolic acids							
Total phenolic acids	-	-	1.89 ± 0.02 <sup>c</sup>	0.423 ± 0.004 <sup>a</sup>	0.406 ± 0.008 <sup>a</sup>	0.470 ± 0.003 <sup>b</sup>	0.46 ± 0.02 <sup>b</sup>
<i>p</i> -cumaric acid	ND	ND	1.89 ± 0.02 <sup>c</sup>	0.423 ± 0.004 <sup>a</sup>	0.406 ± 0.008 <sup>a</sup>	0.470 ± 0.003 <sup>b</sup>	0.46 ± 0.02 <sup>b</sup>
Phenolic alcohols							
Total phenolic alcohols	1010 ± 20 <sup>b</sup>	970 ± 70 <sup>b</sup>	54 ± 2 <sup>a</sup>	17.31 ± 0.38 <sup>a</sup>	21 ± 2 <sup>a</sup>	24.1 ± 0.1 <sup>a</sup>	24 ± 3 <sup>a</sup>
Hydroxytyrosol	46 ± 7 <sup>a</sup>	630 ± 70 <sup>b</sup>	1.92 ± 0.08 <sup>a</sup>	7.6 ± 0.3 <sup>a</sup>	8.8 ± 0.9 <sup>a</sup>	10.6 ± 0.4 <sup>a</sup>	10 ± 2 <sup>a</sup>
Oxidized hydroxytyrosol	ND	220 ± 20 <sup>b</sup>	24 ± 1 <sup>a</sup>	2.41 ± 0.07 <sup>a</sup>	3.1 ± 0.2 <sup>a</sup>	4.2 ± 0.1 <sup>a</sup>	4.4 ± 0.8 <sup>a</sup>
Hydroxytyrosol glucoside	980 ± 30 <sup>b</sup>	79 ± 8 <sup>a</sup>	ND	ND	ND	ND	ND
Hydroxytyrosol acetate	ND	ND	1.3 ± 0.2 <sup>a</sup>	2.15 ± 0.05 <sup>b</sup>	2.7 ± 0.4 <sup>c</sup>	2.8 ± 0.2 <sup>c</sup>	2.8 ± 0.3 <sup>c</sup>
Tyrosol	ND	ND	26.6 ± 0.5 <sup>c</sup>	5.2 ± 0.3 <sup>a</sup>	6.0 ± 0.6 <sup>ab</sup>	6.6 ± 0.2 <sup>b</sup>	6.6 ± 0.5 <sup>b</sup>
Secoiridoids							
Total secoiridoids	5100 ± 500 <sup>b</sup>	4800 ± 700 <sup>b</sup>	294 ± 8 <sup>a</sup>	400 ± 20 <sup>a</sup>	480 ± 30 <sup>a</sup>	500 ± 10 <sup>a</sup>	500 ± 10 <sup>a</sup>
Oleuropein	2400 ± 300 <sup>b</sup>	310 ± 20 <sup>a</sup>	ND	ND	ND	ND	ND

Hydroxyoleuropein	80 ± 8 <sup>b</sup>	11.8 ± 0.6 <sup>a</sup>	ND	ND	ND	ND	ND
Dihydrooleuropein	41 ± 5 <sup>b</sup>	19 ± 3 <sup>a</sup>	ND	ND	ND	ND	ND
Hydroxy D-oleuropein aglycone	ND	ND	0.54 ± 0.02 <sup>a</sup>	1.34 ± 0.03 <sup>b</sup>	3.0 ± 0.1 <sup>c</sup>	5.2 ± 0.1 <sup>e</sup>	4.4 ± 0.2 <sup>d</sup>
10-hydroxy oleuropein aglycone	ND	ND	0.259 ± 0.005 <sup>a</sup>	0.59 ± 0.02 <sup>d</sup>	0.21 ± 0.04 <sup>a</sup>	0.64 ± 0.07 <sup>e</sup>	0.47 ± 0.07 <sup>c</sup>
Oleuropein aglycone isomer 1	160 ± 10 <sup>b</sup>	30 ± 6 <sup>ab</sup>	8.4 ± 0.1 <sup>a</sup>	42 ± 5 <sup>a</sup>	42 ± 8 <sup>a</sup>	47 ± 5 <sup>a</sup>	46 ± 5 <sup>a</sup>
Oleuropein aglycone isomer 2	400 ± 30 <sup>b</sup>	22 ± 4 <sup>a</sup>	8.2 ± 0.5 <sup>a</sup>	20 ± 1 <sup>a</sup>	20 ± 2 <sup>a</sup>	20 ± 1 <sup>a</sup>	20 ± 1 <sup>a</sup>
Oleuropein aglycone isomer 3	210 ± 6 <sup>c</sup>	12 ± 2 <sup>a</sup>	5.8 ± 0.6 <sup>a</sup>	19.1 ± 0.8 <sup>b</sup>	19 ± 2 <sup>b</sup>	21 ± 1 <sup>b</sup>	19 ± 2 <sup>b</sup>
Oleuropein aglycone isomer 4	120 ± 10 <sup>c</sup>	53 ± 10 <sup>b</sup>	3.3 ± 0.5 <sup>a</sup>	5.2 ± 0.4 <sup>a</sup>	5.1 ± 0.5 <sup>a</sup>	6.2 ± 0.3 <sup>a</sup>	5.7 ± 0.4 <sup>a</sup>
Oleuropein aglycone isomer 5	160 ± 30 <sup>c</sup>	123 ± 30 <sup>b</sup>	95 ± 9 <sup>ab</sup>	74 ± 4 <sup>a</sup>	89 ± 8 <sup>a</sup>	93 ± 6 <sup>ab</sup>	89 ± 4 <sup>a</sup>
Oleuropein aglycone isomer 6	40 ± 5 <sup>a</sup>	480 ± 40 <sup>b</sup>	41 ± 3 <sup>a</sup>	43 ± 7 <sup>a</sup>	55 ± 6 <sup>a</sup>	62 ± 7 <sup>a</sup>	66 ± 6 <sup>a</sup>
Oleacein / Decarboxymethyl oleuropein aglycone	940 ± 90 <sup>a</sup>	3600 ± 720 <sup>b</sup>	51 ± 1 <sup>a</sup>	91 ± 2 <sup>a</sup>	147 ± 5 <sup>a</sup>	146 ± 5 <sup>a</sup>	144 ± 4 <sup>a</sup>
Ligstroside	260 ± 10 <sup>b</sup>	220 ± 20 <sup>a</sup>	ND	ND	ND	ND	ND
Ligstroside aglycone isomer 1	22 ± 4 <sup>d</sup>	8.0 ± 0.2 <sup>a</sup>	9 ± 1 <sup>ab</sup>	16.6 ± 0.9 <sup>c</sup>	13.2 ± 0.4 <sup>bc</sup>	14 ± 1 <sup>c</sup>	13.0 ± 0.6 <sup>bc</sup>
Ligstroside aglycone isomer 2	29 ± 5 <sup>c</sup>	57 ± 7 <sup>d</sup>	15 ± 2 <sup>a</sup>	24 ± 1 <sup>bc</sup>	21 ± 1 <sup>ab</sup>	24 ± 1 <sup>bc</sup>	22.3 ± 0.7 <sup>abc</sup>
Ligstroside aglycone isomer 3	18 ± 2 <sup>bc</sup>	7 ± 2 <sup>a</sup>	17 ± 2 <sup>b</sup>	24 ± 1 <sup>d</sup>	21 ± 2 <sup>bc</sup>	22 ± 11 <sup>cd</sup>	22 ± 21 <sup>cd</sup>

Ligstroside aglycone isomer 4	15 ± 2 <sup>b</sup>	8 ± 1 <sup>a</sup>	14 ± 2 <sup>b</sup>	19 ± 1 <sup>cd</sup>	20 ± 1 <sup>cd</sup>	19.0 ± 0.9 <sup>c</sup>	22 ± 1 <sup>d</sup>
Ligstroside aglycone isomer 5	7 ± 1 <sup>b</sup>	47 ± 5 <sup>c</sup>	1.95 ± 0.07 <sup>a</sup>	3.19 ± 0.07 <sup>ab</sup>	3.0 ± 0.3 <sup>ab</sup>	3.1 ± 0.2 <sup>ab</sup>	3.5 ± 0.2 <sup>ab</sup>
Oleocanthal / Decarboxymethyl ligstroside aglycon	ND	NQ	23.2 ± 0.9 <sup>b</sup>	19.58 ± 0.39 <sup>a</sup>	23 ± 1 <sup>b</sup>	24 ± 1 <sup>bc</sup>	25 ± 1 <sup>c</sup>
<b>Lignans</b>							
<b>Total lignans</b>	-	-	<b>1.11 ± 0.09<sup>c</sup></b>	<b>0.56 ± 0.02<sup>b</sup></b>	<b>0.41 ± 0.05<sup>a</sup></b>	<b>0.46 ± 0.02<sup>a</sup></b>	<b>0.48 ± 0.03<sup>ab</sup></b>
Syringaresinol	ND	ND	0.74 ± 0.03 <sup>c</sup>	0.37 ± 0.02 <sup>ab</sup>	0.26 ± 0.04 <sup>a</sup>	0.29 ± 0.01 <sup>ab</sup>	0.32 ± 0.03 <sup>ab</sup>
Pinoresinol	ND	ND	0.37 ± 0.04 <sup>b</sup>	0.18 ± 0.02 <sup>a</sup>	0.15 ± 0.01 <sup>a</sup>	0.17 ± 0.02 <sup>a</sup>	0.160 ± 0.008 <sup>a</sup>
<b>Flavonoids</b>							
<b>Total flavonoids</b>	<b>116 ± 7<sup>b</sup></b>	<b>121 ± 3<sup>b</sup></b>	<b>4.3 ± 0.2<sup>a</sup></b>	<b>1.40 ± 0.05<sup>a</sup></b>	<b>0.77 ± 0.02<sup>a</sup></b>	<b>0.801 ± 0.006<sup>a</sup></b>	<b>0.65 ± 0.08<sup>a</sup></b>
Luteolin	17 ± 2 <sup>c</sup>	24 ± 3 <sup>d</sup>	3.8 ± 0.3 <sup>b</sup>	1.1 ± 0.1 <sup>a</sup>	0.56 ± 0.03 <sup>a</sup>	0.60 ± 0.09 <sup>a</sup>	0.48 ± 0.08 <sup>a</sup>
Luteolin glucoside	100 ± 6 <sup>a</sup>	97 ± 6 <sup>a</sup>	ND	ND	ND	ND	ND
Apigenin	ND	ND	0.51 ± 0.04 <sup>c</sup>	0.28 ± 0.02 <sup>b</sup>	0.21 ± 0.02 <sup>a</sup>	0.206 ± 0.006 <sup>a</sup>	0.178 ± 0.005 <sup>a</sup>
<b>Phenylpropanoid/phenylethanol</b>							
<b>Tota/phenyletanol</b>	<b>80 ± 5<sup>a</sup></b>	<b>110 ± 10<sup>b</sup></b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
Verbascoside	80 ± 5 <sup>a</sup>	110 ± 10 <sup>b</sup>	ND	ND	ND	ND	ND
<b>Oleoside and elenolic acid derivatives</b>							
<b>Total oleoside and elenolic acid derivatives</b>	<b>890 ± 50<sup>c</sup></b>	<b>650 ± 10<sup>b</sup></b>	<b>16 ± 1<sup>a</sup></b>	<b>7.5 ± 0.3<sup>a</sup></b>	<b>10 ± 1<sup>a</sup></b>	<b>13.00 ± 0.04<sup>a</sup></b>	<b>13 ± 2<sup>a</sup></b>
Oleoside	220 ± 10 <sup>b</sup>	130 ± 20 <sup>a</sup>	ND	ND	ND	ND	ND

Elenolic acid isomer 1	70 ± 10 <sup>b</sup>	280 ± 30 <sup>c</sup>	0.70 ± 0.02 <sup>a</sup>	3.3 ± 0.2 <sup>a</sup>	4.2 ± 0.4 <sup>a</sup>	5.0 ± 0.3 <sup>a</sup>	5.2 ± 0.6 <sup>a</sup>
Elenolic acid isomer 2	ND	ND	7.6 ± 0.5 <sup>c</sup>	3.6 ± 0.1 <sup>a</sup>	4.4 ± 0.4 <sup>a</sup>	5.6 ± 0.4 <sup>b</sup>	5.9 ± 0.7 <sup>b</sup>
Dialdehydic form of decarbox-ymethyl elenolic acid	109 ± 7 <sup>c</sup>	80 ± 10 <sup>b</sup>	7.4 ± 0.4 <sup>a</sup>	0.55 ± 0.03 <sup>a</sup>	1.2 ± 0.2 <sup>a</sup>	2.4 ± 0.2 <sup>a</sup>	2.1 ± 0.3 <sup>a</sup>
1-β-D- Glucopyranosyl acyclodihydroeleno- lic acid	140 ± 10 <sup>b</sup>	80 ± 10 <sup>a</sup>	ND	ND	ND	ND	ND
Elenolic acid glucoside	350 ± 20 <sup>b</sup>	100 ± 10 <sup>a</sup>	ND	ND	ND	ND	ND
<b>Terpenes</b>							
<b>Total terpenes</b>	<b>1200 ± 30<sup>b</sup></b>	<b>1060 ± 20<sup>a</sup></b>	-	-	-	-	-
Loganic acid	62 ± 5 <sup>b</sup>	50 ± 3 <sup>a</sup>	ND	ND	ND	ND	ND
Maslinic acid	1140 ± 50 <sup>b</sup>	1010 ± 50 <sup>a</sup>	ND	ND	ND	ND	ND

ND non-detected

NQ non-quantified

Different letters mean significant differences ( $p < 0.05$ ) between samples for every variable, with increasing letters indicating increasing values.

**Table S4.** Quantification of compounds identified in olive oil by-products.

COMPOUNDS	Leaf ( $\mu\text{g compound/g leaf}$ )	“Alpeorujo” ( $\mu\text{g compound/g alpeorujo}$ )	“Borras” liquid residues ( $\mu\text{g compound/mL BLR}$ )	“Borras” solid residues ( $\mu\text{g compound/g BSR}$ )	Olive fruit washing water ( $\mu\text{g compound/mL OFWW}$ )
<b>Phenolic alcohols</b>					
<b>Total phenolic alcohols</b>	-	$900 \pm 100^a$	$3000 \pm 300^b$	$3700 \pm 200^c$	-
Hydroxytyrosol	ND	$540 \pm 90^a$	$700 \pm 100^a$	$1200 \pm 100^b$	ND
Oxidized hydroxytyrosol	ND	$170 \pm 30^a$	$1300 \pm 100^b$	$1500 \pm 100^b$	ND
Tyrosol	ND	$100 \pm 20^a$	$150 \pm 20^b$	$123 \pm 4^{ab}$	ND
3,4-Dihydroxyphenylglycol	ND	ND	$830 \pm 80^a$	$830 \pm 40^a$	ND
<b>Secoiridoids</b>					
<b>Total secoiridoids</b>	$69 \pm 1^a$	$4500 \pm 500^b$	$220 \pm 30^a$	$680 \pm 20^a$	-
Oleuropein	$24 \pm 2^b$	$70 \pm 10^c$	ND	$7.6 \pm 0.4^a$	ND
Hydroxyoleuropein	$46 \pm 4$	ND	ND	ND	ND
Dihydrooleuropein	ND	$36 \pm 5$	ND	ND	ND
Hydroxyoleuropein aglycone isomer 1	ND	ND	$27 \pm 5^a$	$58 \pm 1^b$	ND
Hydroxyoleuropein aglycone isomer 2	ND	ND	$89 \pm 9^a$	$107 \pm 1^b$	ND
Hydroxyoleuropein aglycone isomer 3	ND	ND	$22 \pm 4^a$	$96 \pm 1^b$	ND
Hydroxyoleuropein aglycone isomer 4	ND	ND	ND	$39.3 \pm 0.9$	ND

Hydroxydecarboxymethyloleuropein aglycone	ND	190 ± 10 <sup>b</sup>	26 ± 4 <sup>a</sup>	49 ± 2 <sup>a</sup>	ND
Oleuropein aglycone isomer 1	ND	400 ± 70 <sup>b</sup>	36 ± 5 <sup>a</sup>	37 ± 4 <sup>a</sup>	ND
Oleuropein aglycone isomer 2	ND	130 ± 20 <sup>b</sup>	ND	53 ± 4 <sup>a</sup>	ND
Oleuropein aglycone isomer 3	ND	36 ± 7 <sup>a</sup>	ND	160 ± 7 <sup>b</sup>	ND
Oleacein / Decarboxymethyl oleuropein aglycone	ND	3500 ± 500 <sup>b</sup>	ND	18 ± 2 <sup>a</sup>	ND
Hydrated oleuropein aglycone	ND	40 ± 5 <sup>b</sup>	21 ± 3 <sup>a</sup>	55 ± 3 <sup>b</sup>	ND
<b>Flavonoids</b>					
<b>Total flavonoids</b>	<b>720 ± 20<sup>c</sup></b>	<b>120 ± 20<sup>b</sup></b>	<b>4.9 ± 0.3<sup>a</sup></b>	<b>120 ± 10<sup>b</sup></b>	<b>-</b>
Diosmetin	113 ± 8	ND	ND	ND	ND
Diosmetin glucoside isomer 1	98 ± 6	ND	ND	ND	ND
Diosmetin glucoside isomer 2	49 ± 2	ND	ND	ND	ND
Luteolin	50 ± 3 <sup>c</sup>	24 ± 4 <sup>b</sup>	4.9 ± 0.3 <sup>a</sup>	120 ± 10 <sup>d</sup>	ND
Luteolin glucoside	260 ± 10 <sup>b</sup>	90 ± 10 <sup>a</sup>	ND	ND	ND
Apigenin	37 ± 3	ND	ND	ND	ND
Apigenin-7-O-glucoside	21 ± 2	ND	ND	ND	ND
Apigenin-7-O-rutinoside	100 ± 4	ND	ND	ND	ND
<b>Phenylpropanoid/phenyletanol</b>					
<b>Total phenylpropanoid/ phenyletanol</b>	<b>-</b>	<b>120 ± 10</b>	<b>-</b>	<b>-</b>	<b>-</b>
Verbascoside	ND	120 ± 10	ND	ND	ND
<b>Oleoside and elenolic acid derivatives</b>					
<b>Total oleoside and elenolic acid derivatives</b>	<b>226 ± 9<sup>a</sup></b>	<b>2000 ± 300<sup>c</sup></b>	<b>1700 ± 100<sup>bc</sup></b>	<b>1500 ± 200<sup>b</sup></b>	<b>6 ± 1<sup>a</sup></b>



Oleoside	$41 \pm 3^a$	$180 \pm 10^b$	ND	ND	ND
Elenolic acid	$18 \pm 2^a$	$310 \pm 50^b$	$500 \pm 80^c$	$260 \pm 20^b$	ND
Hydrated product of the dialdehydic form of decarboxymethyl elenolic acid isomer 1	$7 \pm 1$	ND	ND	ND	ND
Hydrated product of the dialdehydic form of decarboxymethyl elenolic acid isomer 2	$8.3 \pm 0.9$	ND	ND	ND	ND
Hydrated product of the dialdehydic form of decarboxymethyl elenolic acid isomer 3	ND	ND	$150 \pm 10^b$	$170 \pm 10^b$	$0.8 \pm 0.1^a$
Dialdehydic form of decarboxymethyl elenolic acid isomer 1	ND	ND	$71 \pm 7$	ND	ND
Dialdehydic form of decarboxymethyl elenolic acid isomer 2	$6.7 \pm 0.2^a$	$330 \pm 30^c$	$100 \pm 10^b$	$104 \pm 4^b$	ND
Dialdehydic form of decarboxymethyl elenolic acid isomer 3	ND	ND	ND	ND	$2.7 \pm 0.5$
1-β-D-Glucopyranosyl acyclodihydroelenolic acid	$83 \pm 3^a$	$150 \pm 30^b$	ND	ND	ND
Hydroxylated product of the dialdehydic form of decarboxymethyl elenolic acid isomer 1	$15 \pm 1$	ND	ND	ND	ND
Hydroxylated product of the dialdehydic form of decarboxymethyl elenolic acid isomer 2	$7.9 \pm 0.8^a$	$460 \pm 60^b$	$600 \pm 100^c$	$630 \pm 90^c$	$0.38 \pm 0.07^a$
Hydroxyelenolic acid	ND	$90 \pm 20^a$	$240 \pm 40^b$	$260 \pm 20^b$	ND
Decarboxylated form of hydroxyelenolic acid	$6.8 \pm 0.8^b$	ND	ND	ND	$0.9 \pm 0.2^a$

Decarboxymethyl-3,4-dihydroelenolic acid	ND	270 ± 20 <sup>b</sup>	ND	ND	0.37 ± 0.04 <sup>a</sup>
Elenolic acid glucoside	38 ± 2 <sup>a</sup>	130 ± 20 <sup>b</sup>	ND	ND	ND
Aldehydic form of decarboxymethyl elenolic acid	ND	12 ± 2 <sup>b</sup>	43 ± 5 <sup>c</sup>	51 ± 5 <sup>c</sup>	0.24 ± 0.03 <sup>a</sup>
<b>Terpenes</b>					
<b>Total terpenes</b>	<b>5000 ± 300<sup>c</sup></b>	<b>1200 ± 100<sup>b</sup></b>	<b>-</b>	<b>120 ± 20<sup>a</sup></b>	<b>-</b>
Loganic acid	16 ± 1 <sup>a</sup>	17 ± 3 <sup>a</sup>	ND	ND	ND
7-Epiloganin	35 ± 2	ND	ND	ND	ND
Lamiol	32 ± 2	ND	ND	ND	ND
Methyl jasmonate	3.9 ± 0.4	ND	ND	ND	ND
Maslinic acid	1470 ± 90 <sup>b</sup>	1200 ± 100 <sup>b</sup>	ND	120 ± 20 <sup>a</sup>	ND
Oleanolic acid	42 ± 7	ND	ND	ND	ND
Dihydroxyoleanolic acid isomer 1	1490 ± 50	ND	ND	ND	ND
Dihydroxyoleanolic acid isomer 2	1070 ± 80	ND	ND	ND	ND
Hydroxy-oxo-oleanoic acid	830 ± 80	ND	ND	ND	ND

ND non-detected

Different letters mean significant differences ( $p < 0.05$ ) between samples for every variable, with increasing letters indicating increasing values.