

Supplementary Table 4. Concentrations ( $\mu\text{g/L}$ ) of analysed esters, C6 compounds, terpenes and C13 compounds in Chardonnay and Shiraz wines during production.

<sup>a</sup> Chardonnay	Control		LCu		HCu		LSO2		HSO2	
<i>ethyl butyrate</i>										
PAF	537 ± 20	b	1077 ± 192	a	520 ± 59	b	440 ± 44	b	549 ± 39	b
PB_nonB	382 ± 16	a	391 ± 32	a	323 ± 13	b	360 ± 7	a	357 ± 8	a
PB_Bent	359 ± 9	a	344 ± 6	a	354 ± 25	a	345 ± 18	a	352 ± 5	a
<i>ethyl hexanoate</i>										
PAF	1835 ± 75	b	2480 ± 565	a	1431 ± 115	b	1570 ± 318	b	1752 ± 144	b
PB_nonB	1547 ± 84	a	1497 ± 112	a	1185 ± 100	b	1405 ± 46	a	1418 ± 129	a
PB_Bent	1399 ± 64	a	1214 ± 15	b	1376 ± 115	a	1310 ± 75	ab	1393 ± 33	a
<i>ethyl octanoate</i>										
PAF	1536 ± 60	ab	2158 ± 322	a	1257 ± 136	b	1263 ± 163	b	1557 ± 235	b
PB_nonB	1396 ± 28	ab	1480 ± 99	a	1228 ± 132	b	1326 ± 64	ab	1356 ± 75	ab
PB_Bent	1272 ± 117	a	1176 ± 22	a	1333 ± 123	a	1190 ± 93	a	1287 ± 16	a
<i>ethyl decanoate</i>										
PAF	8.0 ± 0.3	ab	9.5 ± 2.1	a	5.7 ± 1.2	b	6.2 ± 1.0	b	6.7 ± 0.8	b
PB_nonB	6.7 ± 0.4	c	6.7 ± 0.3	c	6.6 ± 0.4	c	7.5 ± 0.1	b	8.2 ± 0.2	a
PB_Bent	6.7 ± 0.7	a	6.1 ± 0.3	ab	5.0 ± 0.3	c	5.6 ± 0.6	bc	5.7 ± 0.3	bc
<i>ethyl dodecanoate</i>										
PAF	3079 ± 141	a	3104 ± 1101	a	1430 ± 90	b	2259 ± 223	ab	2589 ± 447	ab
PB_nonB	1785 ± 251	bc	1679 ± 142	bc	1619 ± 217	c	2068 ± 94	b	2712 ± 219	a
PB_Bent	1581 ± 3	a	1568 ± 104	a	1077 ± 154	b	1420 ± 326	ab	1474 ± 101	ab
<i>propyl acetate</i>										
PAF	217 ± 11	b	488 ± 133	a	294 ± 50	b	164 ± 24	b	197 ± 16	b
PB_nonB	160 ± 5	bc	204 ± 25	a	177 ± 8	b	138 ± 1	cd	125 ± 9	d
PB_Bent	143 ± 9	c	173 ± 13	b	206 ± 23	a	133 ± 6	c	128 ± 4	c
<i>isobutyl acetate</i>										
PAF	109.1 ± 4.3	bc	263.7 ± 45.7	a	148.4 ± 30.1	b	97.4 ± 20.3	c	109.1 ± 6.4	bc
PB_nonB	68.1 ± 2.1	bc	84.5 ± 7.8	a	74.3 ± 2.6	b	64.5 ± 2.6	c	63.1 ± 0.6	c
PB_Bent	63.6 ± 1.8	bc	74.6 ± 1.5	ab	85.5 ± 11.4	a	59.0 ± 4.7	c	58.9 ± 0.7	c
<i>butyl acetate</i>										
PAF	4.40 ± 0.23	b	7.69 ± 1.46	a	5.16 ± 0.90	b	4.28 ± 0.59	b	4.28 ± 0.35	b
PB_nonB	3.24 ± 0.08	a	3.77 ± 0.45	a	3.60 ± 0.22	a	3.47 ± 0.42	a	3.26 ± 0.20	a
PB_Bent	2.99 ± 0.14	b	4.18 ± 1.09	a	3.62 ± 0.38	ab	2.83 ± 0.10	b	2.87 ± 0.08	b
<i>isoamyl acetate</i>										
PAF	6007 ± 46	bc	11079 ± 2262	a	9625 ± 2840	ab	4979 ± 770	c	6105 ± 496	bc
PB_nonB	3973 ± 115	b	4781 ± 586	a	4078 ± 66	b	3834 ± 137	b	3650 ± 83	b
PB_Bent	3663 ± 150	b	4284 ± 240	ab	4793 ± 895	a	3513 ± 120	b	3463 ± 49	b
<i>hexyl acetate</i>										
PAF	492 ± 37	b	827 ± 175	a	538 ± 101	b	443 ± 104	b	487 ± 45	b
PB_nonB	454 ± 28	ab	516 ± 51	a	425 ± 60	ab	401 ± 23	b	367 ± 5	b
PB_Bent	407 ± 16	b	400 ± 19	b	515 ± 52	a	382 ± 13	b	411 ± 7	b
<i>cis-3-hexenyl acetate</i>										
PAF	8.38 ± 0.41	b	14.00 ± 2.63	a	8.53 ± 1.28	b	6.99 ± 0.69	b	8.54 ± 0.73	b
PB_nonB	8.68 ± 0.78	a	11.50 ± 3.87	a	7.57 ± 0.94	a	8.07 ± 0.51	a	7.85 ± 0.84	a
PB_Bent	8.14 ± 0.77	ab	7.46 ± 0.38	b	9.07 ± 0.79	a	7.68 ± 0.01	b	8.10 ± 0.19	ab
<i>phenylethyl acetate</i>										
PAF	531 ± 17	b	886 ± 158	a	833 ± 232	a	437 ± 91	b	449 ± 39	b
PB_nonB	569 ± 31	ab	626 ± 124	a	569 ± 61	ab	530 ± 34	ab	451 ± 24	b
PB_Bent	500 ± 11	ab	566 ± 35	ab	649 ± 141	a	470 ± 16	c	481 ± 44	c
<i>ethyl isobutyrate</i>										
PAF	4.56 ± 0.41	b	9.24 ± 1.15	a	3.54 ± 0.74	b	3.71 ± 0.66	b	4.76 ± 0.37	b
PB_nonB	4.21 ± 0.20	ab	4.32 ± 0.06	a	3.71 ± 0.11	c	3.82 ± 0.30	bc	4.48 ± 0.21	a
PB_Bent	4.06 ± 0.26	a	4.72 ± 1.09	a	3.79 ± 0.26	a	3.99 ± 0.75	a	3.96 ± 0.17	a
<i>ethyl 2-methylbutyrate</i>										
PAF	0.554 ± 0.017	b	1.061 ± 0.165	a	0.482		0.455 ± 0.061	b	0.579 ± 0.052	b
PB_nonB	0.516 ± 0.023	ab	0.547 ± 0.015	a	0.465 ± 0.024	b	0.483 ± 0.035	b	0.568 ± 0.027	a
PB_Bent	0.509 ± 0.017	a	0.589 ± 0.162	a	0.417 ± 0.091	a	0.488 ± 0.097	a	0.515 ± 0.011	a
<i>ethyl phenylacetate</i>										
PAF	0.412 ± 0.021	b	0.916 ± 0.140	a	0.353 ± 0.037	b	0.336 ± 0.055	b	0.419 ± 0.034	b
PB_nonB	0.297 ± 0.017	b	0.357 ± 0.011	ab	0.310 ± 0.019	b	0.313 ± 0.032	b	0.394 ± 0.045	a

PB_Bent	0.328 ± 0.036	ab	0.372 ± 0.011	a	0.328 ± 0.046	ab	0.281 ± 0.023	b	0.295 ± 0.047	ab
<i>ethyl propanoate</i>										
PAF	156 ± 6	b	368 ± 57	a	164 ± 14	b	130 ± 24	b	168 ± 23	b
PB_nonB	116 ± 2	b	132 ± 6	a	113 ± 7	b	99 ± 6	c	108 ± 3	bc
PB_Bent	106 ± 4	ab	118 ± 2	a	119 ± 13	a	99 ± 12	b	109 ± 5	ab
<i>ethyl cinnamate</i>										
PAF	0.358 ± 0.085	b	0.587 ± 0.105	a	0.288 ± 0.012	b	0.218 ± 0.021	b	0.243 ± 0.008	b
PB_nonB	0.289 ± 0.003	b	0.557 ± 0.044	a	0.348 ± 0.055	b	0.281 ± 0.015	b	0.287 ± 0.003	b
PB_Bent	0.304 ± 0.016	a	0.340 ± 0.017	a	0.363 ± 0.049	a	0.317 ± 0.025	a	0.392 ± 0.082	a
<i>ethyl dihydrocinnamate</i>										
PAF	0.154 ± 0.026	ab	0.201 ± 0.038	a	0.145 ± 0.088	ab	0.099 ± 0.008	b	0.124 ± 0.010	ab
PB_nonB	0.145 ± 0.008	b	0.214 ± 0.031	a	0.114 ± 0.022	b	0.139 ± 0.007	b	0.159 ± 0.017	b
PB_Bent	0.147 ± 0.006	a	0.140 ± 0.009	a	0.106 ± 0.021	b	0.136 ± 0.008	a	0.164 ± 0.011	a
<i>hexanol</i>										
PAF	23.2 ± 1.5	b	40.1 ± 11.9	a	23.4 ± 1.2	b	21.8 ± 4.1	b	23.2 ± 3.9	b
PB_nonB	27.1 ± 1.4	ab	29.2 ± 3.4	a	22.5 ± 1.8	bc	21.7 ± 2.5	c	19.8 ± 2.1	c
PB_Bent	23.2 ± 4.5	a	22.3 ± 1.2	a	28.5 ± 3.2	a	24.3 ± 1.9	a	23.0 ± 2.5	a
<i>trans-3-hexanol</i>										
PAF	1.96 ± 0.23	ab	2.24 ± 0.33	a	1.92 ± 0.24	ab	1.73 ± 0.13	b	1.81 ± 0.08	b
PB_nonB	1.84 ± 0.03	b	2.36 ± 0.18	a	1.73 ± 0.03	b	1.91 ± 0.18	b	1.82 ± 0.12	b
PB_Bent	1.69 ± 0.15	a	1.80 ± 0.07	a	1.85 ± 0.06	a	1.75 ± 0.17	a	1.82 ± 0.05	a
<i>cis-3-hexanol</i>										
PAF	3.32 ± 0.27	b	4.29 ± 0.73	a	3.20 ± 0.08	b	3.04 ± 0.29	b	3.23 ± 0.18	b
PB_nonB	3.17 ± 0.36	b	4.19 ± 0.47	a	3.14 ± 0.09	b	3.30 ± 0.14	b	3.17 ± 0.18	b
PB_Bent	3.03 ± 0.34	a	3.22 ± 0.03	a	3.49 ± 0.16	a	3.10 ± 0.38	a	3.49 ± 0.40	a
<i>cis-2-hexanol</i>										
PAF	4.06 ± 0.14	b	4.56 ± 0.23	a	4.27 ± 0.28	ab	4.02 ± 0.18	b	3.94 ± 0.00	b
PB_nonB	3.94 ± 0.04	b	4.48 ± 0.10	a	3.95 ± 0.01	b	4.04 ± 0.16	b	3.99 ± 0.05	b
PB_Bent	3.97 ± 0.04	b	3.97 ± 0.02	b	4.44 ± 0.28	a	4.10 ± 0.15	ab	4.22 ± 0.30	ab
<i>trans-geraniol</i>										
PAF	329 ± 23	b	215 ± 1	d	163 ± 9	c	256 ± 6	c	372 ± 33	a
PB_nonB	259 ± 74	ab	272 ± 3	ab	183 ± 3	b	177 ± 16	b	300 ± 2	a
PB_Bent	262 ± 38	a	234 ± 23	a	111 ± 25	b	247 ± 27	a	154 ± 3	b
<i>α-terpinene</i>										
PAF	0.0384 ± 0.0007	a	0.0372 ± 0.0006	a	0.0377 ± 0.0005	a	0.0379 ± 0.0089	a	0.0373 ± 0.0044	a
PB_nonB	0.0479 ± 0.0027	a	0.0375 ± 0.0007	b	0.0359 ± 0.0013	b	0.0415 ± 0.0060	b	0.0400 ± 0.0018	b
PB_Bent	0.0370 ± 0.0014	b	0.0370 ± 0.0028	b	0.0495 ± 0.0027	a	0.0354 ± 0.0023	b	0.0363 ± 0.0006	b
<i>γ-terpinene</i>										
PAF	0.0345 ± 0.0005	a	0.0345 ± 0.0007	a	0.0344 ± 0.0008	a	0.0351 ± 0.0019	a	0.0347 ± 0.0003	a
PB_nonB	0.0442 ± 0.0021	a	0.0358 ± 0.0004	b	0.0349 ± 0.0021	b	0.0389 ± 0.0046	b	0.0383 ± 0.0010	b
PB_Bent	0.0343 ± 0.0014	b	0.0352 ± 0.0022	b	0.0451 ± 0.0054	a	0.0335 ± 0.0009	b	0.0350 ± 0.0023	b
<i>terpinolene</i>										
PAF	0.044 ± 0.001	ab	0.049 ± 0.001	a	0.042 ± 0.001	c	0.046 ± 0.006	ab	0.041 ± 0.004	c
PB_nonB	0.102 ± 0.009	a	0.048 ± 0.001	c	0.045 ± 0.002	c	0.078 ± 0.024	ab	0.063 ± 0.001	bc
PB_Bent	0.044 ± 0.002	b	0.054 ± 0.009	b	0.096 ± 0.011	a	0.042 ± 0.002	b	0.042 ± 0.003	b
<i>linalool</i>										
PAF	0.828 ± 0.032	a	0.948 ± 0.038	a	0.870 ± 0.037	a	1.038 ± 0.311	a	0.987 ± 0.131	a
PB_nonB	0.933 ± 0.129	ab	0.998 ± 0.113	a	0.869 ± 0.077	ab	0.832 ± 0.045	ab	0.775 ± 0.009	b
PB_Bent	1.340 ± 0.283	a	1.013 ± 0.188	ab	1.048 ± 0.213	ab	0.842 ± 0.124	b	0.902 ± 0.131	b
<i>α-terpineol</i>										
PAF	0.891 ± 0.092	c	1.828 ± 0.265	a	1.721 ± 0.236	ab	1.167 ± 0.004	c	1.288 ± 0.396	bc
PB_nonB	37.731 ± 2.682	a	1.879 ± 0.439	d	2.003 ± 0.052	d	24.626 ± 12.915	b	14.505 ± 0.971	c
PB_Bent	1.128 ± 0.147	bc	1.900 ± 0.767	b	38.324 ± 0.004	a	0.642 ± 0.018	c	0.821 ± 0.098	c
<i>trans-geranylacetone</i>										
PAF	0.255 ± 0.058	ab	0.121 ± 0.002	c	0.252 ± 0.075	ab	0.156 ± 0.029	bc	0.289 ± 0.022	a
PB_nonB	0.230 ± 0.017	a	0.250 ± 0.022	a	0.258 ± 0.013	a	0.542 ± 0.184	a	0.606 ± 0.010	a
PB_Bent	0.258 ± 0.029	a	0.239 ± 0.032	a	0.172 ± 0.002	a	0.228 ± 0.021	a	0.261 ± 0.050	a
<i>citronellol</i>										
PAF	15.2 ± 0.1	b	12.3 ± 0.8	c	10.3 ± 0.9	d	11.1 ± 1.5	cd	17.1 ± 1.0	a
PB_nonB	13.8 ± 0.9	a	15.7 ± 0.4	a	11.1 ± 1.6	b	13.9 ± 1.1	a	15.5 ± 1.0	a
PB_Bent	14.9 ± 2.2	a	15.4 ± 1.4	a	11.7 ± 0.6	a	12.3 ± 1.5	a	12.6 ± 2.7	a
<i>nerolidol</i>										
PAF	3.85 ± 0.44	a	3.04 ± 0.25	bc	2.67 ± 0.30	c	2.61 ± 0.29	c	3.30 ± 0.06	b

	PB_nonB	3.30 ± 0.40	a	3.52 ± 0.36	a	3.25 ± 0.04	a	3.39 ± 0.01	a	3.67 ± 0.58	a
	PB_Bent	3.03 ± 0.64	a	3.73 ± 0.07	a	3.37 ± 0.34	a	2.67 ± 0.16	a	3.13 ± 0.64	a
<i>β-ionone</i>											
	PAF	0.035 ± 0.001	b	0.039 ± 0.003	ab	0.036 ± 0.001	b	0.035 ± 0.004	b	0.042 ± 0.001	a
	PB_nonB	0.041 ± 0.001	ab	0.047 ± 0.004	a	0.039 ± 0.003	b	0.042 ± 0.005	ab	0.039 ± 0.001	b
	PB_Bent	0.047 ± 0.004	a	0.040 ± 0.003	ab	0.040 ± 0.005	ab	0.039 ± 0.002	b	0.041 ± 0.004	ab
<i>β-damascenone</i>											
	PAF	1.52 ± 0.08	ab	1.56 ± 0.05	ab	1.41 ± 0.11	ab	1.32 ± 0.20	b	1.66 ± 0.20	a
	PB_nonB	3.47 ± 0.05	a	3.63 ± 0.13	a	3.08 ± 0.23	b	2.89 ± 0.30	b	2.83 ± 0.12	b
	PB_Bent	4.24 ± 0.48	a	3.68 ± 0.20	ab	3.78 ± 0.28	ab	3.32 ± 0.37	b	3.28 ± 0.61	b
	<sup>a</sup> Shiraz	Control		LCu		HCu		LSO2		HSO2	
<i>ethyl butyrate</i>											
	PAF	104 ± 4	c	133 ± 6	b	133 ± 6	b	127 ± 12	b	158 ± 6	a
	PB	76 ± 2	c	86 ± 1	b	86 ± 3	b	82 ± 2	b	103 ± 5	a
<i>ethyl hexanoate</i>											
	PAF	202 ± 8	c	242 ± 14	ab	246 ± 15	ab	229 ± 31	bc	265 ± 9	a
	PB	151 ± 12	c	173 ± 1	b	176 ± 9	ab	151 ± 8	c	189 ± 3	a
<i>ethyl octanoate</i>											
	PAF	213 ± 9	c	221 ± 15	c	286 ± 10	b	356 ± 12	a	267 ± 16	b
	PB	146 ± 5	c	149 ± 0	b	167 ± 8	ab	149 ± 8	c	182 ± 8	a
<i>ethyl decanoate</i>											
	PAF	0.639 ± 0.083	c	0.688 ± 0.023	c	1.185 ± 0.055	b	1.429 ± 0.115	a	1.067 ± 0.216	b
	PB	0.260 ± 0.032	c	0.241 ± 0.036	c	0.281 ± 0.009	c	0.325 ± 0.003	b	0.460 ± 0.016	a
<i>ethyl dodecanoate</i>											
	PAF	114 ± 5	b	132 ± 5	b	194 ± 16	a	220 ± 0	a	203 ± 37	a
	PB	97 ± 9	b	86 ± 9	b	67 ± 4	c	98 ± 3	b	121 ± 8	a
<i>propyl acetate</i>											
	PAF	42.2 ± 0.9	a	48.2 ± 1.1	a	55.5 ± 2.2	a	41.8 ± 1.7	a	45.4 ± 3.6	a
	PB	33.8 ± 1.2	bc	36.3 ± 2.9	ab	39.0 ± 0.7	a	27.4 ± 1.3	d	31.8 ± 1.2	c
<i>isobutyl acetate</i>											
	PAF	43.3 ± 1.6	b	53.0 ± 2.7	a	52.0 ± 4.1	a	40.5 ± 3.4	b	51.7 ± 1.5	a
	PB	30.4 ± 1.2	a	32.4 ± 3.6	a	29.6 ± 0.8	a	25.7 ± 1.0	b	32.0 ± 1.2	a
<i>butyl acetate</i>											
	PAF	1.64 ± 0.24	b	1.93 ± 0.15	b	1.70 ± 0.10	b	1.70 ± 0.06	b	2.50 ± 0.32	a
	PB	1.03 ± 0.07	b	1.08 ± 0.03	b	1.45 ± 0.07	a	1.02 ± 0.06	b	1.41 ± 0.01	a
<i>isoamyl acetate</i>											
	PAF	744 ± 40	c	847 ± 14	bc	903 ± 58	b	737 ± 98	c	1030 ± 20	a
	PB	532 ± 55	bc	588 ± 53	ab	501 ± 19	bc	475 ± 3	c	627 ± 29	a
<i>cis-3-hexenyl acetate</i>											
	PAF	0.118 ± 0.008	bc	0.118 ± 0.003	bc	0.130 ± 0.006	ab	0.111 ± 0.019	c	0.143 ± 0.005	a
	PB	0.093 ± 0.012	bc	0.100 ± 0.001	ab	0.112 ± 0.008	a	0.077 ± 0.006	c	0.108 ± 0.008	ab
<i>phenylethyl acetate</i>											
	PAF	43.2 ± 0.5	b	43.4 ± 0.9	b	42.6 ± 1.8	b	54.7 ± 5.4	a	58.5 ± 2.6	a
	PB	45.5 ± 2.6	a	44.8 ± 4.2	a	46.3 ± 4.8	a	35.9 ± 1.9	b	48.3 ± 2.2	a
<i>ethyl isobutyrate</i>											
	PAF	11.8 ± 1.4	a	13.1 ± 0.6	a	13.5 ± 1.7	a	12.6 ± 0.8	a	13.2 ± 0.7	a
	PB	10.2 ± 0.7	a	9.4 ± 1.2	a	8.8 ± 0.8	a	9.4 ± 0.7	a	9.5 ± 0.8	a
<i>ethyl 2-methylbutyrate</i>											
	PAF	3.4 ± 0.3	b	4.0 ± 0.2	a	4.0 ± 0.3	a	4.0 ± 0.2	a	4.5 ± 0.4	a
	PB	2.4 ± 0.2	a	2.5 ± 0.4	a	2.3 ± 0.1	a	2.5 ± 0.2	a	2.8 ± 0.2	a
<i>ethyl phenylacetate</i>											
	PAF	1.21 ± 0.34	a	1.07 ± 0.00	a	1.12 ± 0.15	a	0.94 ± 0.20	a	0.88 ± 0.01	a
	PB	1.00 ± 0.15	a	0.60 ± 0.06	bc	0.60 ± 0.04	c	0.81 ± 0.05	ab	0.75 ± 0.11	bc
<i>ethyl propanoate</i>											
	PAF	83 ± 1	b	110 ± 3	a	108 ± 12	a	108 ± 9	a	128 ± 11	a
	PB	69 ± 4	c	78 ± 4	b	74 ± 4	bc	75 ± 4	bc	87 ± 4	a
<i>ethyl cinnamate</i>											
	PAF	0.628 ± 0.045	c	0.664 ± 0.004	c	0.800 ± 0.078	bc	1.109 ± 0.014	a	1.001 ± 0.194	ab
	PB	0.674 ± 0.077	b	0.756 ± 0.056	ab	0.857 ± 0.095	a	0.756 ± 0.072	ab	0.824 ± 0.030	a
<i>ethyl dihydrocinnamate</i>											
	PAF	0.183 ± 0.024	c	0.216 ± 0.026	abc	0.211 ± 0.003	bc	0.269 ± 0.020	a	0.263 ± 0.046	ab
	PB	0.214 ± 0.021	a	0.242 ± 0.056	a	0.265 ± 0.017	a	0.216 ± 0.015	a	0.245 ± 0.012	a
<i>hexanol</i>											

PAF	17.1 ± 0.8	a	16.7 ± 1.1	a	19.7 ± 2.3	a	28.1 ± 1.3	a	20.7 ± 5.4	a
PB	19.6 ± 1.1	a	18.5 ± 1.3	a	20.6 ± 1.2	a	21.5 ± 1.2	a	20.2 ± 2.8	a
<i>trans-3-hexanol</i>										
PAF	1.74 ± 0.03	a	1.77 ± 0.08	a	1.79 ± 0.05	a	1.92 ± 0.19	a	1.91 ± 0.16	a
PB	1.80 ± 0.03	a	1.81 ± 0.11	a	1.82 ± 0.02	a	1.79 ± 0.09	a	1.81 ± 0.03	a
<i>cis-3-hexanol</i>										
PAF	3.50 ± 0.04	a	3.61 ± 0.24	a	3.72 ± 0.11	a	4.08 ± 0.49	a	3.92 ± 0.50	a
PB	3.69 ± 0.07	a	3.67 ± 0.16	a	3.88 ± 0.02	a	3.72 ± 0.20	a	3.79 ± 0.20	a
<i>cis-2-hexanol</i>										
PAF	3.97 ± 0.01	a	3.96 ± 0.02	a	3.99 ± 0.02	a	3.99 ± 0.04	a	4.01 ± 0.07	a
PB	3.95 ± 0.00	a	3.98 ± 0.07	a	3.96 ± 0.01	a	3.93 ± 0.02	a	3.93 ± 0.01	a
<i>trans-geraniol</i>										
PAF	18.0 ± 2.1	a	20.1 ± 0.6	a	18.0 ± 0.9	a	18.7 ± 0.3	a	18.5 ± 0.5	a
PB	15.2 ± 0.7	a	15.2 ± 1.5	a	16.6 ± 0.6	a	17.1 ± 0.7	a	17.1 ± 1.6	a
<i>α-terpinene</i>										
PAF	0.0371 ± 0.0005	b	0.0422 ± 0.0042	b	0.0409 ± 0.0005	b	0.0389 ± 0.0022	b	0.0668 ± 0.0173	a
PB	0.0385 ± 0.0001	b	0.0421 ± 0.0085	b	0.0342 ± 0.0004	b	0.0412 ± 0.0016	b	0.0818 ± 0.0133	a
<i>γ-terpinene</i>										
PAF	0.037 ± 0.006	b	0.037 ± 0.002	b	0.036 ± 0.001	b	0.035 ± 0.001	b	0.052 ± 0.010	a
PB	0.036 ± 0.003	b	0.035 ± 0.004	b	0.034 ± 0.004	b	0.034 ± 0.001	b	0.048 ± 0.008	a
<i>terpinolene</i>										
PAF	0.046 ± 0.002	b	0.060 ± 0.009	b	0.052 ± 0.004	b	0.053 ± 0.006	b	0.088 ± 0.028	a
PB	0.072 ± 0.002	ab	0.051 ± 0.011	bc	0.042 ± 0.001	c	0.051 ± 0.005	bc	0.077 ± 0.023	a
<i>linalool</i>										
PAF	1.57 ± 0.20	c	1.78 ± 0.15	bc	1.69 ± 0.09	bc	1.83 ± 0.07	b	2.10 ± 0.08	a
PB	1.78 ± 0.08	b	1.85 ± 0.09	b	1.91 ± 0.08	b	1.98 ± 0.06	b	2.23 ± 0.23	a
<i>α-terpineol</i>										
PAF	29.0 ± 1.1	b	55.6 ± 1.8	b	43.0 ± 17.4	b	31.8 ± 12.8	b	301.9 ± 87.5	a
PB	27.8 ± 3.0	b	46.1 ± 3.0	b	44.9 ± 17.2	b	27.6 ± 14.2	b	287.1 ± 108.4	a
<i>trans-geranylacetone</i>										
PAF	0.245 ± 0.017	a	0.211 ± 0.004	a	0.219 ± 0.025	a	0.255 ± 0.049	a	0.284 ± 0.005	a
PB	0.449 ± 0.046	a	0.153 ± 0.049	a	0.152 ± 0.002	a	0.282 ± 0.044	a	0.244 ± 0.020	a
<i>citronellol</i>										
PAF	22.3 ± 2.9	a	23.6 ± 0.7	a	22.1 ± 0.4	a	22.6 ± 1.6	a	23.8 ± 1.6	a
PB	18.4 ± 0.9	b	17.2 ± 0.4	b	17.6 ± 0.6	b	19.5 ± 1.8	ab	21.2 ± 1.5	a
<i>nerolidol</i>										
PAF	0.164 ± 0.022	c	0.175 ± 0.007	bc	0.204 ± 0.010	b	0.181 ± 0.012	bc	0.235 ± 0.021	a
PB	0.391 ± 0.019	c	0.296 ± 0.027	d	0.199 ± 0.005	e	0.459 ± 0.040	b	0.525 ± 0.035	a
<i>β-ionone</i>										
PAF	0.145 ± 0.024	b	0.135 ± 0.001	b	0.141 ± 0.009	b	0.159 ± 0.016	ab	0.183 ± 0.010	a
PB	0.128 ± 0.001	b	0.125 ± 0.019	b	0.161 ± 0.015	a	0.133 ± 0.019	b	0.125 ± 0.008	b
<i>β-damascenone</i>										
PAF	0.111 ± 0.079	a	0.148 ± 0.002	a	0.139 ± 0.006	a	0.132 ± 0.032	a	0.144 ± 0.000	a
PB	0.501 ± 0.045	ab	0.448 ± 0.082	bc	0.584 ± 0.030	a	0.414 ± 0.073	bc	0.366 ± 0.036	c

<sup>a</sup> The significant difference ( $P \leq 0.05$ ) among treatments was calculated across the row.