

Genetic and Environmental Sources of Variation in the Autogenous Chemical Defense of a Leaf Beetle

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The footnote to Table 4 does not correspond to the superscripts in the body of the table. The correct Table 4 appears below.

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Table 4 Details of the 50 cardenolides and results from the ANOVA on the pairwise genetic distance between populations with individual cardenolides treated as explanatory factors

Cardenolide (Retention Time)	Present in <i>N</i> Sites	<i>F</i> Value	<i>P</i> value
4.3	7	2.68	0.1026
4.8	18 [†]	–	–
6.5	18 [†]	–	–
10.6	18 [†]	–	–
10.8	2	0.43	0.5146
11.1 ^a	16	7.39	0.0068
11.3	13	0.01	0.9081
12.0	18 [†]	–	–
12.8	1	12.38	0.0005 *
13.8	18 [†]	–	–
14.3 ^b	18 [†]	–	–
14.7	5	0.01	0.9388
15.2	9	0.04	0.8403
15.9	3	2.50	0.1146
16.8	3	<0.01	0.9795
17.6	18 [†]	–	–
17.9	17	20.01	<0.0001 *
19.0 ^c	17	20.01	<0.0001 *
19.9	12	0.01	0.9359
20.5	16	0.08	0.7785
21.1	10	1.78	0.1828
21.6	17	20.01	<0.0001 *
22.2	8	0.30	0.5870
22.6	7	11.97	0.0006 *
23.1	8	0.12	0.7333
23.6	2	13.65	0.0002 *
24.0	14	2.67	0.1033
24.4 ^d	18 [†]	–	–
24.7	5	5.18	0.0233
25.2	18 [†]	–	–
25.6 ^e	10	22.92	<0.0001 *
26.6	17	2.77	0.0967
27.1	8	1.20	0.2742
27.8	11	0.05	0.8166
28.3	16	0.70	0.4047
28.9	11	3.29	0.0705
29.6	18 [†]	–	–
30.2	4	2.02	0.1562
31.2	9	14.89	0.0001 *
32.0	12	0.11	0.7425
32.6	12	4.00	0.0460
33.0 ^f	18 [†]	–	–
34.1 ^g	18 [†]	–	–
36.6	7	1.87	0.1726
37.4	8	1.28	0.2593
37.7 ^h	18 [†]	–	–
38.9 ⁱ	18 [†]	–	–
39.3	3	3.55	0.0601

Table 4 (continued)

Cardenolide (Retention Time)	Present in <i>N</i> Sites	<i>F</i> Value	<i>P</i> value
39.9	6	15.91	<0.0001 *
40.4	1	2.35	0.1258

† Monomorphic cardenolides: these compounds were found in all populations

*Significant after Bonferroni's correction

^a Tetrahydroxylated aglycon-hexopyranoside

^b Periplogenin-3-*O*-[β-D-xylopyranosyl-(1→4)-β-D-allopyranoside]

^c Tetrahydroxylated aglycon-acetyl-hexopyranoside

^d Didehydroperiplogenin-3-*O*-β-D-allopyranoside

^e Periplogenin-3-*O*-β-D-allopyranoside

^f Didehydroperiplogenin-*O*-acetyl-β-D-allopyranoside

^g Periplogenin-3-*O*-acetyl-β-D-allopyranoside

^h Didehydrodigitoxigenin-3-*O*-[-*O*-acetyl-β-D-xylopyranosyl-(1→4)-*O*-acetyl-β-D-allopyranoside]

ⁱ Digitoxigenin-3-*O*-[-*O*-acetyl-β-D-xylopyranosyl-(1→4)-*O*-acetyl-β-D-allopyranoside]