

Supplementary data

Table S1. Means (\pm SD) of the quantity and proportion of cuticular hydrocarbons in the pairs attacker and attacked worker (n=24). The quantity and proportion were square-root and arcsine transformed, respectively, and compared by a paired *t*-test (df = 23 in all tests). Peak numbers according to Lenoir et al. (2001).

In bold, the significant differences.

Peak	Substance	Quantity (ng)				Proportion (%)			
		Attacker	Attacked	<i>t</i>	<i>P</i>	Attacker	Attacked	<i>t</i>	<i>P</i>
1	C25:1	4.47 \pm 2.23	3.94 \pm 2.25	1.01	0.32	0.35 \pm 0.20	0.39 \pm 0.33	-0.41	0.68
2	C25	7.64 \pm 2.27	6.41 \pm 1.38	3.28	0.003	1.07 \pm 0.33	1.09 \pm 0.31	-0.30	0.77
3	11+13Me C25	4.03 \pm 1.69	3.59 \pm 1.48	1.73	0.10	0.27 \pm 0.06	0.32 \pm 0.15	-0.59	0.56
4	7 Me C25	4.42 \pm 2.01	3.76 \pm 1.40	1.88	0.072	0.33 \pm 0.08	0.34 \pm 0.11	-0.72	0.48
5	7,9 DiMeC25	1.54 \pm 2.02	0.80 \pm 1.44	1.41	0.17	0.06 \pm 0.08	0.04 \pm 0.07	1.04	0.31
6	3 Me C25	4.41 \pm 1.91	3.77 \pm 1.14	1.92	0.07	0.33 \pm 0.06	0.35 \pm 0.06	-1.10	0.28
7	C26	10.86 \pm 4.24	9.72 \pm 3.14	1.63	0.12	0.29 \pm 0.16	0.25 \pm 0.15	-2.03	0.05
8	10+12 MeC26	8.52 \pm 4.17	7.19 \pm 3.32	1.49	0.15	2.05 \pm 0.52	2.31 \pm 0.47	0.16	0.87
9	8 Me C26	8.52 \pm 4.17	7.20 \pm 3.32	1.49	0.15	1.29 \pm 0.45	1.30 \pm 0.47	0.16	0.87
10	8,10+8,12 Di Me C26	8.73 \pm 6.26	7.65 \pm 4.3	1.45	0.16	1.48 \pm 1.24	1.68 \pm 1.09	-1.09	0.28
11	6,10+6,12 DiMe C26	10.14 \pm 5.67	9.123 \pm 3.94	0.836	0.41	2.06 \pm 1.33	2.31 \pm .111	-0.52	0.61
12+13	4,8 DiMe C26 + C27	18.38 \pm 7.68	15.03 \pm 6.11	2.59	0.02	6.12 \pm 2.90	5.85 \pm .053	0.44	0.66
14	4,8,12 TriMe C26	13.22 \pm 6.44	11.06 \pm 3.9	1.90	0.07	2.99 \pm 1.35	3.05 \pm 0.91	-0.45	0.68
15	9+11+13 Me C27	27.45 \pm 12.00	25.26 \pm 8.38	1.17	0.25	12.72 \pm 3.46	15.57 \pm 3.10	-3.37	0.003

16	9,17 DiMe C27	7.45 ± 3.59	5.86 ± 2.78	1.950	0.06	0.96 ± 0.39	0.86 ± 0.34	0.76	0.46
17+18	9,13 DiMe C27 + 3 Me C27	32.79 ± 11.92	26.02 ± 9.36	3.14	0.005	18.78 ± 4.73	16.40 ± 4.06	2.39	0.02
19	C28	14.62 ± 5.57	11.46 ± 4.78	3.24	0.004	3.88 ± 1.68	3.38 ± 1.68	1.45	0.15
20	3,7+3,9 DiMe C27	10.58 ± 4.03	8.90 ± 2.42	2.54	0.02	2.05 ± 0.85	2.03 ± 0.54	-0.05	0.96
21	10 +12 Me C28	26.99 ± 9.52	23.44 ± 7.01	2.15	0.04	13.06 ± 3.76	13.83 ± 3.56	-1.14	0.27
22	6Me C28	5.81 ± 1.74	4.76 ± 1.32	2.85	0.01	0.62 ± 0.17	0.57 ± 0.13	1.27	0.22
23+24	4 Me C28 + 8,12 DiMe C28	20.35 ± 8.50	17.27 ± 5.51	2.26	0.03	7.26 ± 2.38	7.57 ± 2.22	-0.82	0.42
25	6,10 DiMe C28	11.50 ± 4.43	9.71 ± 2.84	2.55	0.02	2.30 ± 0.63	2.37 ± 0.48	-0.62	0.54
26	4,8 +4,10 DiMe C28	10.37 ± 4.18	8.69 ± 2.63	2.27	0.03	1.87 ± 0.52	1.90 ± 0.50	-0.36	0.72
27	C29	17.45 ± 6.14	13.74 ± 5.44	3.42	0.002	5.50 ± 1.99	4.82 ± 2.21	1.43	0.17
28	4,8,12 TriMe C28	8.93 ± 4.29	7.55 ± 2.68	1.90	0.07	1.37 ± 0.58	1.41 ± 0.39	-0.59	0.56
29+30	7+9+11 Me C29	15.34 ± 5.50	13.35 ± 4.30	2.45	0.02	4.14 ± 0.94	4.35 ± 0.79	-1.15	0.26
31	5 Me C29	10.30 ± 3.64	8.02 ± 2.73	3.38	0.003	1.88 ± 0.50	1.56 ± 0.33	2.49	0.02
32+33	11,15+7,11DiMeC29+3 Me C29	14.17 ± 5.25	10.87± 4.26	3.20	0.004	3.58 ± 1.25	2.87 ± 0.93	2.31	0.03
34	C30	2.350 ± 1.43	1.49 ± 1.51	2.96	0.01	0.12 ± 0.08	0.09 ± 0.10	1.81	0.08
35	10+12 Me C30	5.26 ± 2.56	4.36 ± 1.89	2.18	0.04	0.58 ± 0.49	0.53 ± 0.35	0.13	0.89
36	11+13 Me C31	1.14 ± 1.41	1.27 ± 1.57	-0.42	0.68	0.08 ± 0.11	0.09 ± 0.09	-0.57	0.57
37	11,19 DiMe C31	4.45 ± 1.06	4.01 ± 0.96	2.36	0.03	0.47 ± 0.35	0.53 ± 0.33	-1.17	0.25
