

S5 Table. List of cuticular compounds in 2nd-instar spiderlings of *A. labyrinthica* raised in social isolation or in groups.

No. Pic	Identification	Isolated		Grouped		Tr	KI
		Mean	SD	Mean	SD		
1	nC23	0.13	0.068	0.165	0.121	17.48	2300
2	2,x-dimethylC23	0.145	0.055	0.19	0.116	18.3	2412
3	2,y-dimethylC23	0.157	0.053	0.236	0.151	18.35	2417
4	2-MethylC24	0.02	0.028	0.024	0.04	18.8	2468
5	nC25	3.86	1.214	3.768	1.087	19.1	2500
6	11,12-diMethylC24	0.204	0.094	0.209	0.095	19.36	2535
7	7-MethylC25	0.079	0.036	0.072	0.046	19.42	2542
8	5-MethylC25	0.061	0.025	0.068	0.057	19.49	2552
9	2-MethylC25	0.08	0.08	0.076	0.078	19.58	2564
10	3-MethylC25	0.226	0.039	0.233	0.09	19.66	2574
11	9,x-dimethylC25	0.2	0.084	0.198	0.074	19.72	2581
12	nC26	1.249	0.19	1.3	0.292	19.86	2600
13	2,y-dimethylC25	0.08	0.03	0.083	0.049	19.98	2616
14	11,x-dimethylC25	0.055	0.04	0.045	0.041	20.08	2629
15	11,12-diMethylC25	0.177	0.039	0.18	0.03	20.13	2636
16	7-MethylC26	0.021	0.025	0.029	0.035	20.2	2646
17	2-MethylC26	0.537	0.22	0.592	0.352	20.33	2663
18	3-MethylC26	0.078	0.034	0.085	0.04	20.41	2674
19	nC27	21.809	2.676	21.581	2.493	20.6	2700
20	11,12-diMethylC26	9.46	3.86	9.406	2.645	20.84	2733
21	7-MethylC27	3.773	1.779	3.711	1.055	20.9	2742
22	5-MethylC27	1.295	0.414	1.392	0.416	20.97	2751
23	2-MethylC27	2.027	2.569	2.572	3.227	21.05	2763
24	3-MethylC27	14.05	4.783	13.55	3.832	21.13	2774
25	nC28	1.21	0.295	1.242	0.316	21.32	2800
26	8,x-dimethylC27	0.466	0.176	0.536	0.177	21.36	2805
27	8,y-dimethylC27	0.37	0.144	0.363	0.179	21.38	2808
28	11,12-diMethylC27	0.765	0.295	0.807	0.285	21.55	2833
29	7-MethylC28 x-MethylC28:1	0.555	0.894	0.279	0.294	21.59	2840
30	2-MethylC28	2.304	1.303	2.298	1.212	21.75	2863
31	3-MethylC28	0.281	0.113	0.301	0.117	21.82	2872
32	nC29	5.191	2.278	4.938	0.996	22.01	2900
33	11,12-diMethylC28	6.606	1.755	7.265	2.397	22.23	2933
34	7-MethylC29	2.683	0.981	2.584	0.652	22.28	2941
35	5-MethylC29	1.21	0.159	1.215	0.148	22.35	2951
36	11,y-dimethylC29	1.728	0.691	1.616	0.843	22.4	2959
37	2-MethylC29	2.48	1.093	2.435	1.025	22.43	2963
38	11,x-dimethylC29	0.2	0.436	0.418	0.659	22.47	2969
39	3-MethylC29	4.194	1.926	3.906	1.613	22.51	2975
40	NI	0.093	0.169	0.122	0.129	22.63	2994
41	nC30	0.382	0.33	0.349	0.159	22.68	3000
42	8,x-dimethylC29	0.459	0.103	0.458	0.061	22.72	3008
43	11,12-diMethylC29	0.412	0.101	0.454	0.124	22.89	3033
44	2-MethylC30	0.768	0.302	0.836	0.228	23.08	3063
45	nC31	0.495	0.353	0.416	0.14	23.32	3100
46	11,12-diMethylC30	1.623	1.014	1.68	0.635	23.52	3132
47	7-MethylC31	0.505	0.186	0.532	0.311	23.58	3140
48	11,y-dimethylC31	2.114	1.129	2.121	0.731	23.68	3157
49	9,x-dimethylC25	0.419	0.118	0.408	0.108	23.83	3181
50	nC32	0.095	0.059	0.115	0.041	23.99	3200
51	11,x-dimethylC31	0.174	0.149	0.183	0.112	24.14	3229
52	5-MethylC32	0.655	0.338	0.738	0.244	24.3	3255
53	11,x-dimethylC32	0.355	0.28	0.344	0.146	24.79	3328
54	5-MethylC33	0.774	0.706	0.625	0.366	24.97	3354
55	11,x-dimethylC33	0.67	0.461	0.652	0.391	25.7	3424

Mean and SD of the relative abundance of cuticular compounds. Spiderlings from three cocoons were used (see S8 Fig). “x” indicates uncertain methyl group position. Relevant data values are included in S1 Data. KI, Kovat's indices; Tr: retention time (min).