

Supplementary file 3: Table 3 Compounds, their relative percentage (Area±SD), and chemical characteristics identified by GC×GC-TOFMS and GC-FID/EAD in the headspace extracts of the calling males of *Ceratitis rosa*.

No	Compound	<i>RI</i>	<i>RI</i> _{EAD}	<i>t</i> _R [s]	Area±SD
1	2,5-Dimethylpyrazine	914		830, 2.620	4.27 ± 0.25
2	γ-Valerolactone [†]	956		910, 3.440	1.97 ± 0.76
3	Methyl (<i>E</i>)-hex-2-enoate ^{§,‡}	968	966	934, 2.290	0.28 ± 0.04
4	6-Methylhept-5-en-2-on ^{§,‡}	988	989	978, 2.130	5.04 ± 0.65
5	Octanal	1005		1002, 2.210	2.13 ± 0.85
6	2,3,5-Trimethylpyrazine	1008		1006, 2.650	2.28 ± 0.79
7	(<i>Z</i>)-β-Ocimene [†]	1040		1070, 2.050	0.83 ± 0.03
8	(<i>E</i>)-β-Ocimene [†]	1053		1090, 2.060	5.24 ± 0.78
9	(<i>E</i>)-Oct-2-enal [†]	1062		1106, 2.380	0.79 ± 0.08
10	Linalool ^{§,‡}	1104	1104	1186, 2.150	47.77 ± 2.49
11	Unknown 3	1106		1190, 2.750	2.28 ± 0.79
12	(<i>Z</i>)-Non-2-enal [‡]	1151		1270, 2,380	0.17 ± 0.01
13	(<i>Z</i>)-Non-3-enol [‡]	1158		1282, 2.330	1.29 ± 0.19
14	(<i>E</i>)-Non-2-enal ^{§,‡}	1167	1163	1302, 2.370	15.92 ± 4.31
15	Unknown 4	1185		1330, 2.180	0.05 ± 0.02
16	Nonan-2-ol	1287		1498, 2.270	1.34 ± 0.12
17	Octen-3-ol acetate	1292		1506, 2.370	3.88 ± 0.34
18	Methyl geranate [†]	1329		1574, 2.450	1.06 ± 0.46
19	β-Elemene [†]	1406		1690, 2.230	0.03 ± 0.00
20	β-Caryophyllene [†]	1442		1742, 2.340	0.22 ± 0.04
21	Geranyl acetone ^{§,‡}	1456	1459	1770, 2.480	0.48 ± 0.00
22	(<i>Z</i>)-β-Farnesene [†]	1458		1774, 2.210	0.05 ± 0.03
23	(<i>Z,E</i>)-α-Farnesene [†]	1494		1830, 2.270	0.22 ± 0.01
24	(<i>E,E</i>)-α-Farnesene ^{§,‡}	1507	1507	1850, 2.290	6.36 ± 0.54
25	Tridecan-1-ol	1735		2078, 2.320	0.43 ± 0.34
26	Methyl (2 <i>E</i> ,6 <i>E</i>)-farnesoate ^{§,‡}	1798	1799	2214, 2.600	0.66 ± 0.20

RI retention index identified by GC×GC-TOFMS; *RI*_{EAD} retention index of antennaly active compounds identified using GC-FID/EAD, *t*_R retention time on first (DB-5) and second (BPX-50) column; [†]compounds identified using published mass spectral data; [‡]compounds tested using commercial or laboratory prepared standards; [§]antennaly active compounds.