

**Supplementary file 2: Table 2** 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 anonae*.

No	Compound	<i>RI</i>	<i>RI<sub>EAD</sub></i>	<i>t<sub>R</sub></i> [s]	Area±SD
1	Heptan-2-ol <sup>†</sup>	901		806, 2.060	1.44 ± 0.49
2	Methyl ( <i>E</i> )-hex-2-enoate <sup>§</sup>	968	966	930, 2.310	14.46 ± 3.84
3	6-Methylhept-5-en-2-one <sup>§,‡</sup>	988		974, 2.330	0.05 ± 0.07
4	Octanal	1006		1006, 2.200	0.65 ± 0.26
5	( <i>Z</i> )-β-Ocimene <sup>†</sup>	1040		1070, 2.070	0.58 ± 0.26
6	( <i>E</i> )-β-Ocimene <sup>†</sup>	1051		1090, 2.070	1.58 ± 0.59
7	Unknown 2	1086		1154, 2.200	0.17 ± 0.10
8	Linalool <sup>§,‡</sup>	1104	1104	1186, 2.180	1.77 ± 0.55
9	( <i>Z</i> )-Non-2-enal <sup>‡</sup>	1151		1270, 2.380	0.09 ± 0.03
10	( <i>E</i> )-Non-2-enal <sup>§,‡</sup>	1167	1163	1298, 2.380	6.90 ± 1.50
11	Unknown 4	1185		1330, 2.190	0.16 ± 0.04
12	Unknown 5	1206		1366, 2.140	0.18 ± 0.06
13	Nonan-2-ol	1287		1498, 2.270	0.37 ± 0.08
14	Octen-3-ol acetate	1292		1506, 2.370	1.05 ± 0.04
15	Methyl geranate <sup>†</sup>	1329		1566, 2.480	0.43 ± 0.09
16	( <i>Z,E</i> )-α-Farnesene <sup>a</sup>	1491		1826, 2.280	1.12 ± 0.27
17	( <i>E,E</i> )-α-Farnesene <sup>§,†</sup>	1507		1850, 2.300	67.01 ± 20.11
18	Methyl ( <i>2E,6E</i> )-farnesoate <sup>§,‡</sup>	1798	1799	2218, 2.590	1.97 ± 0.79

*RI* retention index identified by GC×GC-TOFMS; *RI<sub>EAD</sub>* retention index of antennally active compounds identified using GC-FID/EAD, *t<sub>R</sub>* retention time on first (DB-5) and second (BPX-50) column; <sup>†</sup>compounds identified using published mass spectral data; <sup>‡</sup>compounds tested using commercial or laboratory prepared standards; <sup>§</sup>antennally active compounds.