

Online resource 3. Behavioural responses of *Melipona solani* workers to two different concentrations of mandibular extract and synthetic 2-heptanol in feeding sites at 300 m of the colony. **A) Mandibular gland (M):** 0.1 EQ (*Kruskal-Wallis* $H = 14.44$, $df = 1$, $P < 0.001$), 1 EQ (*Kruskal-Wallis* $H = 14.34$, $df = 1$, $P < 0.001$). **B) (R + S)-2-heptanol (R + S):** 0.1 EQ (*Kruskal-Wallis* $H = 5.34$, $df = 1$, $P < 0.05$), 1 EQ (*Kruskal-Wallis* $H = 9.42$, $df = 1$, $P < 0.01$). **C) (R)-2-heptanol (R):** 0.1 EQ (*Kruskal-Wallis* $H = 2.91$, $df = 1$, $P = 0.08$), 1 EQ (*Kruskal-Wallis* $H = 3.89$, $df = 1$, $P < 0.05$). **D) (S)-2-heptanol (S):** 0.1 EQ (*Kruskal-Wallis* $H = 13.20$, $df = 1$, $P < 0.001$), 1 EQ (*Kruskal-Wallis* $H = 14.35$, $df = 1$, $P < 0.001$). $N=10$ replicates per concentration. (** $P < 0.001$, * $P < 0.01$. * $P < 0.05$, NS Non-significant).

