**Table 1: A summary of the ANOVA of *Aethina tumida* responses to odors of four hive components from six Afro tropical stingless bee species**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Pot honey** | **Pollen** | **Involucrum** | **Batumen** | **F value** | **df** | **P value** |
| **Males** | | | | | | | |
| *Hypotrigona gribodoi* | 8.1328 ± 0.44A | 2.5092 ± 0.50Bab | NA | 2.0436 ± 0.64 C | 11.099 | 2, 72 | **<0.001** |
| *Meliponula ferruginea* (black) | 2.5348 ± 0.50AB | 1.2724 ± 0.28Bb | 0.5384 ± 0.23BC | 4.9376 ± 0.60AB | 10.139 | 3, 96 | **<0.001** |
| *M. ferruginea* (reddish-brown) | 3.4796 ± 0.60 | 2.3136 ± 0.53ab | 0.8472 ± 0.32 | 1.3664 ± 0.35 | 2.281 | 3, 96 | 0.084 |
| *P. hildebrandti* | 4.3068 ± 0.64A | 2.5892 ± 0.54ABab | 0.7756 ± 0.29B | 3.0288 ± 0.58AB | 3.624 | 3, 96 | **0.016** |
| *M. bocandei* | 3.89 ± 0.71 | 2.91 ± 0.61a | 2.9016 ± 0.66 | 2.91 ± 0.35 | 0.726 | 3, 96 | 0.539 |
| *M. lendiliana* | 3.824 ± 0.36A | 2.5308 ± 0.37ABab | 1.3164 ± 0.32B | 1.702 ± 0.33AB | 3.521 | 3, 96 | **0.018** |
| F value | 1.546 | 2.849 | 1.581 | 1.111 |  |  |  |
| df | 5, 144 | 5, 144 | 4, 120 | 5, 144 |  |  |  |
| P value | 0.179 | 0.017 | 0.184 | 0.357 |  |  |  |
| **Females** | | | | | | | |
| *Hypotrigona gribodoi* | 6.148 ± 0.84 | 3.1764 ± 0.62 | NA | 2.4916 ± 0.64b | 2.009 | 2, 72 | 0.142 |
| *Meliponula ferruginea* (black) | 3.4108 ± 0.53 | 2.1684 ± 0.64 | 1.40166666666667 ± 0.40b | 4.7596 ± 0.69Ab | 2.663 | 3, 96 | 0.052 |
| *M. ferruginea* (reddish-brown) | 4.3688 ± 0.77A | 3.37 ± 0.63AB | 0.294 ± 0.08Bb | 2.3712 ± 0.54ABb | 3.962 | 3, 96 | **0.01** |
| *P. hildebrandti* | 3.5872 ± 0.65A | 3.9808 ± 0.65A | 0.3212 ± 0.13Bb | 2.8476 ± 0.61Ab | 7.648 | 3, 96 | **<0.001** |
| *M. bocandei* | 3.8792 ± 0.50B | 4.1448 ± 0.68B | 4.33 ± 0.36 Aba | 6.2216 ± 0.29Aa | 3.436 | 3, 96 | **0.02** |
| *M. lendiliana* | 4.3716 ± 0.35AB | 4.6944 ± 0.35A | 3.566 ± 0.35ABa | 2.264 ± 0.36Bc | 2.998 | 3, 96 | **0.034** |
| F value | 0.695 | 0.611 | 8.115 | 5.181 |  |  |  |
| df | 5, 144 | 5, 144 | 4, 120 | 5, 144 |  |  |  |
| P value | 0.628 | 0.692 | **<0.001** | **<0.001** |  |  |  |

Row means followed by the sample capital letter are not significantly different.

\*Column means followed by the same small letter are not significantly different.

P-values in bold are indicate statistically different comparisons