**S5 Table. Post hoc univariate pairwise comparison (Tukey test HSD) of the three sound parameters.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sources of sounds** | | **Differences** | | |
|  |  | **Pulse length** | **Frequency** | **Intensity** |
| Pa\* | Pb\* | **0.043** | **1075.998** | **3.178** |
| Pa\* | Pc\* | **0.014** | 30.951 | **25.632** |
| Pb\* | Pc\* | **0.057** | **1045.048** | **22.454** |
| Q& | S& | 0.002 | 69.252 | **4.520** |
| Q& | W& | **0.010** | **197.845** | **17.978** |
| S& | W& | 0.008 | **267.097** | **13.458** |
| Pa\* | Q& | 0.009 | **640.704** | **26.900** |
| Pa\* | S& | 0.007 | **571.453** | **22.380** |
| Pa\* | W& | 0.001 | **838.549** | **8.922** |
| Pb\* | Q& | **0.052** | **435.294** | **23.722** |
| Pb\* | S& | **0.050** | **504.546** | **19.202** |
| Pb\* | W& | **0.042** | **237.449** | **5.744** |
| Pc\* | Q& | 0.005 | **609.753** | 1.268 |
| Pc\* | S& | 0.007 | **540.502** | **3.252** |
| Pc\* | W& | **0.015** | **807.598** | **16.710** |

*\*Paussus favieri*: Pa=pulse a; Pb=pulse b and Pc=pulse c.

*&Pheidole pallidula*: Q=queens; W=workers and S=soldiers.

Values in bold indicate differences at p< 0.05.