**Table 1.** Descriptive statistics of sound acoustic parameters produced by male *Orsinigobius croaticus*. For each parameter, mean (*x̄*), standard deviation (*s.d.*), and range were reported, with the corresponding results from the intraspecific Kruskal-Wallis rank sum test and *P* value.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Acoustic parameters** | ***x̄*** | ***s.d.*** | **Range** | **H** | ***P* value** |
| DUR (ms) | 442.1 | 158.7 | 156.8 ̶ 952.9 | 22.9 | **< 0.05** |
| NP | 14.3 | 5.1 | 5.0 ̶ 32.0 | 24.5 | **< 0.05** |
| PD (ms) | 14.6 | 2.1 | 9.8 ̶ 23.0 | 8.1 | **< 0.05** |
| PRR (Hz) | 32.5 | 2.6 | 26.0 ̶ 38.1 | 36.9 | **< 0.05** |
| PP (ms) | 32.0 | 2.8 | 27.7 ̶ 37.6 | 23.7 | **< 0.05** |
| FAT | 1.1 | 0.1 | 0.9 ̶ 1.4 | 8.0 | **< 0.05** |
| PF (Hz) | 137.4 | 55.5 | 89.0 ̶ 340.8 | 34.7 | **< 0.05** |
| FMi | 39.0 | 4.1 | 31.4 ̶ 60.0 | 38.1 | **< 0.05** |
| FMf | 34.1 | 3.7 | 26.1 ̶ 45.4 | 29.9 | **< 0.05** |
| FM (Hz) | 0.9 | 0.1 | 0.7 ̶ 1.1 | 12.8 | **< 0.05** |
| SR (no. of sounds/min) | 4.7 | 2.1 | 1.3 ̶ 7.8 | 8.6 | **< 0.05** |
| Calling effort | 0.5 | 0.1 | 0.3 ̶ 0.6 | 5.7 | > 0.05 |

Descriptive statistics are based on 20 sounds per male presenting the best S/N ratio (N = 4, n = 80). *H* values are the results of Kruskal – Wallis tests comparing sound parameters among males. Bolded *P*values indicate the feature that differed between males according to the significance level of 0.05. For the abbreviations of acoustic properties, see the Material & Methods section.