**S2 Table. Induction and recovery times for all fish anaesthetized with benzocaine**

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|  |  |  |  | **Benzocaine (mg L-1)** (average time (minutes) ± S.D.,  N= 10 for small and medium sized fish N = 5 for large fish) | | | |
| **Phase** | **Activity** | **Fish size (g)** | **Temp (**°C) | **100** | **200** | **400** | **800** |
| INDUCTION | No swimming | 10-20 | 6 | 2.9 ± 1.3 | 1.4 ± 0.3 | 0.9 ± 0.2 | 0.4 ± 0.1 |
| 12 | 1.3 ± 0.4 | 0.6 ± 0.1 | 0.3 ± 0.1 | 0.2 ± 0.0 |
| 200-400 | 6 | 5.5 ± 1.8 | 2.2 ± 0.9 | n.d. | 1.3 ± 0.5 |
| 12 | 2.6 ± 0.8 | 0.9 ± 0.3 | n.d. | 0.5 ± 0.1 |
| No respiration | 10-20 | 6 | 4.5 ± 2.0 | 2.2 ± 0.6 | 1.2 ± 0.3 | 0.5 ± 0.1 |
| 12 | 2.4 ± 0.7 | 1.1 ± 0.3 | 0.4 ± 0.1 | 0.3 ± 0.0 |
| 200-400 | 6 | 6.5 ± 1.9 | 4.0 ± 0.5 | n.d. | 1.9 ± 0.7 |
| 12 | 5.7 ± 5.1 | 1.6 ± 0.4 | n.d. | 0.6 ± 0.1 |
| RECOVERY | Initial respiration | 10-20 | 6 | 0.4 ± 0.6 | 1.2 ± 1.8 | 2.3 ± 1.5 | 7.1 ± 2.8 |
| 12 | 0.15 ± 0.1 | 0.6 ± 0.4 | 2.0 ± 0.8 | 6.3 ± 2.3 |
| 200-400 | 6 | 3.8 ± 2.7 | 7.9 ± 4.1 | n.d. | 18.1 ± 6.7 |
| 12 | 1.0 ± 1.4 | 1.8 ± 1.2 | n.d. | 9.2 ± 2.5 |
| Normal respiration | 10-20 | 6 | 1.1 ± 1.3 | 1.9 ± 2.2 | 5.2 ± 2.1 | 11.9 ± 3.8 |
| 12 | 1.7 ± 1.6 | 2.5 ± 1.3 | 4.8 ± 1.0 | 11.7 ± 4.6 |
| 200-400 | 6 | 14.1 ± 6.1 | 20.8 ± 7.2 | n.d. | 26.3 ± 8.1 |
| 12 | 6.8 ± 3.4 | 4.6 ± 1.0 | n.d. | 14.8 ± 4.3 |
| Swimming | 10-20 | 6 | 2.3 ± 1.5 | 4.1 ± 3.8 | 6.6 ± 2.1 | 13.2 ± 4.1 |
| 12 | 2.4 ± 2.0 | 3.4 ± 1.4 | 5.9 ± 1.0 | 14.0 ± 6.0 |
| 200-400 | 6 | 16.5 ± 6.5 | 24.1 ± 8.0 | n.d. | 33.7 ± 12.1 |
| 12 | 9.5 ± 3.6 | 5.5 ± 1.0 | n.d. | 17.1 ± 5.7 |

n.d. = not determined