**ESM 8 Results of pairwise Kolmogorov-Smirnov** **tests to compare lionfish (A) length and (B) weight distributions shown in Figure 2B and 2C.** Pairwise two-sample Kolmogorov-Smirnov tests were used to compare distributions, and p-values adjusted to control for multiple comparisons based on the false-discovery rate (see: Benjamini & Hochberg, 1995).

(A) Lionfish length distributions:

|  |  |  |
| --- | --- | --- |
| Comparison | Kolmogorov-Smirnov D | Adjusted p-value |
| 0-25 m vs 25-40 m | 0.14 | 0.013 |
| 0-25 m vs 40-72 m | 0.20 | <0.001 |
| 25-40 m vs 40-72 m | 0.23 | <0.001 |

(B) Lionfish weight distributions:

|  |  |  |
| --- | --- | --- |
| Comparison | Kolmogorov-Smirnov D | Adjusted p-value |
| 0-25 m vs 25-40 m | 0.29 | <0.001 |
| 0-25 m vs 40-72 m | 0.32 | <0.001 |
| 25-40 m vs 40-72 m | 0.13 | 0.462 |