**S5 Table.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Species |  | *Abudefduf**saxatilis* |  | *Holocentrus adscensionis* |  | *Haemulon steindachneri* |  | *Haemulon aurolineatum* |
| Source | *df* | MS | F | *P* |  | MS | F | *P* |  | MS | F | *P* |  | MS | F | *P* |
| Groups | 2 | 2154 | 54.9 | \*\*\* |  | 11.2 | 30.8 | \*\*\* |  | 9070.4 | 33.3 | \*\*\* |  | 6085.2 | 10.2 | \*\*\* |
| Exposure | 1 | 6451 | 16.4 | \*\*\* |  | 5.4 | 14.8 | \*\*\* |  | 790.9 | 2.9 | ns |  | 370.7 | 0.6 | ns |
| Time | 1 | 2200.5 | 5.6 | \* |  | 0.01 | <0.1 | ns |  | 1396.5 | 5.1 | \* |  | 1516.9 | 2.5 | ns |
| Gr\*Ex | 2 | 1755.6 | 4.4 | \* |  | 4.5 | 12.3 | \*\*\* |  | 482.3 | 1.8 | ns |  | 132.7 | 0.2 | ns |
| Gr\*Ti | 2 | 233.9 | 0.6 | ns |  | 2.3 | <0.1 | \*\*\* |  | 593.2 | 2.2 | ns |  | 1738 | 2.9 | ns |
| Ex\*Ti | 1 | 1155.1 | 2.9 | ns |  | <0.1 | <0.1 | ns |  | 53.3 | 0.2 | ns |  | 1201.7 | 2.0 | ns |
| Gr\*Ex\*Ti | 2 | 1291.6 | 3.3 | \* |  | <0.1 | <0.1 | ns |  | 14.7 | 0.1 | ns |  | 626.6 | 1.0 | ns |
| Residuals | 240 | 392.3 |  |  |  | 0.4 |  |  |  | 272.2 |  |  |  | 595.7 |  |  |
| Total | 251 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Species |  | *Serranus flaviventris* |  | *Chaetodon striatus* |  | *Sphoeroides greeleyi* |  | *Halichoeres poeyi* |
| Source | *df* | MS | F | *P* |  | MS | F | *P* |  | MS | F | *P* |  | MS | F | *P* |
| Groups | 2 | 79.1 | 17.9 | \*\*\* |  | 16.5 | 26.6 | \*\*\* |  | 13.5 | 17.5 | \*\*\* |  | 52.3 | 112.1 | \*\*\* |
| Exposure | 1 | 0.03 | 0.1 | ns |  | 0.5 | 0.9 | ns |  | 0.8 | 1.0 | ns |  | 1.1 | 2.3 | ns |
| Time | 1 | 0.5 | 0.1 | ns |  | 9.5 | 15.4 | \*\*\* |  | 1.4 | 1.8 | ns |  | 4.7 | 10.2 | \*\*\* |
| Gr\*Ex | 2 | 0.9 | 0.2 | ns |  | <0.1 | <0.1 | ns |  | 0.5 | 0.6 | ns |  | 0.3 | 0.7 | ns |
| Gr\*Ti | 2 | 2.8 | 0.6 | ns |  | 0.5 | 0.8 | ns |  | 2.1 | 2.8 | ns |  | 4.3 | 9.2 | \*\*\* |
| Ex\*Ti | 1 | 1.0 | 0.2 | ns |  | 0.7 | 1.1 | ns |  | 0.1 | 0.1 | ns |  | 1.1 | 2.4 | ns |
| Gr\*Ex\*Ti | 2 | 0.3 | 0.1 | ns |  | 0.3 | 0.5 |  |  | 0.2 | 0.2 | ns |  | 1.3 | 2.7 | ns |
| Residuals | 240 | 4.4 |  |  |  | 0.6 |  |  |  | 0.8 |  |  |  | 0.5 |  |  |
| Total | 251 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Species |  | *Sparisoma frondosum* |  | *Stegastes fuscus* |  | *Chromis multilineata* |  | *Malacoctenus delalandii* |
| Source | *df* | MS | F | *P* |  | MS | F | *P* |  | MS | F | *P* |  | MS | F | *P* |
| Groups | 2 | 74.4 | 36.3 | \*\*\* |  | 154.8 | 105.0 | \*\*\* |  | 0.6 | 6.6 | \*\*\* |  | 6.5 | 5.6 | \*\*\* |
| Exposure | 1 | 24.6 | 11.9 | \*\*\* |  | 63.2 | 42.9 | \*\*\* |  | 0.6 | 6.9 | \*\*\* |  | 8.9 | 7.6 | \*\*\* |
| Time | 1 | 9.3 | 4.5 | \* |  | 24.2 | 16.4 | \*\*\* |  | <0.1 | <0.1 | ns |  | 8.4 | 7.3 | \*\*\* |
| Gr\*Ex | 2 | 18.8 | 9.2 | \*\*\* |  | 34.3 | 23.2 | \*\*\* |  | 0.7 | 7.1 | \*\*\* |  | 3.8 | 3.2 | \* |
| Gr\*Ti | 2 | 5.2 | 2.5 | ns |  | 11.8 | 8.0 | \*\*\* |  | <0.1 | <0.1 | ns |  | 3.2 | 2.8 | \* |
| Ex\*Ti | 1 | 5.2 | 2.5 | ns |  | 29.3 | 19.9 | \*\*\* |  | <0.1 | 0.6 | ns |  | 0.1 | 0.1 | ns |
| Gr\*Ex\*Ti | 2 | 2.9 | 1.4 | ns |  | 11.4 | 7.7 | \*\*\* |  | <0.1 | 0.3 | ns |  | 3.6 | 3.1 | ns |
| Residuals | 240 | 2.0 |  |  |  | 1.5 |  |  |  |  0.1 |  |  |  | 1.1 |  |  |
| Total | 251 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |