Table S1 - Frequency of occurrence (%O), percentage number (%N) and percentage volume (%V) values of feeding items used by *Lutjanus analis* and *Lutjanus jocu* in Tubarão river estuary, northeastern Brazil, by size classes (TL1, TL2 and TL3).

|  |  |  |
| --- | --- | --- |
|  | *Lutjanus analis* | *Lutjanus jocu* |
| **Items** | **LT1** | **LT2** | **LT3** | **LT1** | **LT2** | **LT3** |
| **%O** | **%N** | **%V** | **%O** | **%N** | **%V** | **%O** | **%N** | **%V** | **%O** | **%N** | **%V** | **%O** | **%N** | **%V** | **%O** | **%N** | **%V** |
| Nematoda | - | - | - | - | - | - | 0.77 | 0.74 | 0.01 | - | - | - | 3.70 | 1.97 | 0.03 | - | - | - |
| Errant Polychaeta | - | - | - | - | - | - | 3.87 | 1.29 | 0.95 | - | - | - | - | - | - | 7.14 | 4.97 | 0.04 |
| Sedentary Polychaeta | - | - | - | 0.74 | 0.19 | 0.69 | 0.77 | 0.18 | 0.22 | - | - | - | - | - | - | - | - | - |
| Gastropoda | 0.72 | 0.60 | 0.44 | - | - | - | 1.55 | 0.37 | 0.04 | - | - | - | - | - | - | - | - | - |
| Bivalve | 2.18 | 1.20 | 1.07 | 0.74 | 0.19 | 0.02 | 3.10 | 3.33 | 0.56 | - | - | - | - | - | - | - | - | - |
| Decapoda (larvae) | - | - | - | - | - | - | 0.77 | 0.37 | 0.02 | - | - | - | - | - | - | - | - | - |
| Amphipoda | 50.40 | 14.40 | 47.70 | 45.20 | 42.50 | 28.60 | 35.70 | 34.70 | 9.41 | 54.50 | 23.20 | 31.90 | 22.20 | 19.80 | 2.88 | 7.14 | 4.97 | 0.23 |
| Brachyura | 5.09 | 0.59 | 3.40 | 27.40 | 10.86 | 19.11 | 51.20 | 14.79 | 46.77 | 36.39 | 10.30 | 38.30 | 51.90 | 33.60 | 85.10 | 50.00 | 34.80 | 71.30 |
| Calanoida  | 25.50 | 21.50 | 8.35 | 0.74 | 0.59 | 0.04 | 0.77 | 0.74 | <0.01 | 9.09 | 2.57 | 0.63 | - | - | - | - | - | - |
| Cyclopoida  | 53.30 | 55.00 | 18.20 | 11.10 | 15.40 | 0.49 | 0.77 | 0.37 | 0.01 | 9.09 | 43.80 | 1.91 | 3.70 | 3.95 | 0.06 | - | - | - |
| Caprella | 0.77 | 0.37 | 0.01 | 2.22 | 0.79 | 0.44 | 3.87 | 0.92 | 0.17 | 9.09 | 2.57 | 6.37 | - | - | - | - | - | - |
| Isopoda | 1.45 | 0.15 | 0.35 | 5.18 | 2.17 | 1.89 | 8.52 | 3.89 | 4.71 | - | - | - | 7.40 | 3.95 | 4.59 | - | - | - |
| Tanaidacea | 11.70 | 2.40 | 6.46 | 2.22 | 0.79 | 0.32 | 4.65 | 2.59 | 0.44 | 9.09 | 2.57 | 1.27 | 3.70 | 1.97 | 0.54 | - | - | - |
| Peneidae | 13.10 | 1.80 | 8.17 | 33.30 | 17.60 | 35.10 | 16.30 | 8.71 | 6.80 | 18.20 | 5.15 | 7.65 | 18.50 | 17.80 | 4.11 | 14.30 | 9.95 | 9.48 |
| Cirripedia | - | - | - | - | - | - | 3.10 | 0.92 | 0.41 | - | - | - | 3.70 | 1.97 | 0.18 | 7.14 | 4.97 | 1.17 |
| Ostracoda | 2.18 | 0.37 | 0.35 | 0.74 | 0.19 | 0.02 | - | - | - | 9.09 | 2.57 | 1.27 | - | - | - | - | - | - |
| Invertebrate eggs | - | - | - | - | - | - | 0.77 | 0.37 | 0.02 | - | - | - | 3.70 | 5.92 | 0.06 | - | - | - |
| Scales | - | - | - | - | - | - | 4.65 | 3.16 | 0.78 | - | - | - | 3.70 | 1.97 | 0.12 | - | - | - |
| Fish | - | - | - | 2.96 | 0.98 | 4.44 | 21.70 | 18.00 | 26.04 | 9.09 | 2.57 | 8.92 | 3.70 | 1.97 | 1.65 | 21.40 | 34.80 | 16.80 |
| Macroalgae | 2.91 | 0.03 | 1.54 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Plant material | 3.64 | 0.03 | 0.37 | 5.92 | 0.15 | 1.17 | 6.97 | 0.16 | 0.52 | - | - | - | 14.80 | 0.79 | 0.60 | - | - | - |

Table S2 - Frequency of occurrence (%O), percentage number (%N) and percentage volume (%V) values of feeding items used by *Lutjanus synagris* and *Lutjanus alexandrei* in Tubarão river estuary, northeastern Brazil, by size classes (TL1, TL2 and TL3).

|  |  |  |
| --- | --- | --- |
|  | *Lutjanus synagris* | *Lutjanus alexandrei* |
| **Items** | **LT1** | **LT2** | **LT3** | **LT1** | **LT2** | **LT3** |
| **%O** | **%N** | **%V** | **%O** | **%N** | **%V** | **%O** | **%N** | **%V** | **%O** | **%N** | **%V** | **%O** | **%N** | **%V** | **%O** | **%N** | **%V** |
| Nematoda | - | - | - | 1.92 | 0.60 | 0.49 | - | - | - | - | - | - | 1.08 | 0.42 | <0.01 | - | - | - |
| Errant Polychaeta | 2.50 | 0.13 | 1.55 | 1.92 | 1.21 | 4.58 | - | - | - | 5.12 | 1.46 | 1.31 | 5.12 | 2.03 | 0.30; | 2.27 | 1.41 | 0.01 |
| Sedentary Polychaeta | - | - | - | 1.92 | 0.60 | 3.40 | 8.00 | 2.04 | 0.31 | - | - | - | - | - | - | - | - | - |
| Gastropoda | - | - | - | 1.92 | 0.60 | 0.06 | 4.00 | 1.02 | 0.06 | - | - | - | - | - | - | - | - | - |
| Bivalve | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Decapoda (larvae) | 2.50 | 0.13 | 0.44 | - | - | - | - | - | - | 0.69 | 2.19 | 0.35 | 3.64 | 1.43 | 0.03 | 2.27 | 1.41 | <0.01 |
| Amphipoda | 27.50 | 2.75 | 15.52 | 32.69 | 38.15 | 15.06 | 12.00 | 19.38 | 1.83 | 51.28 | 61.49 | 53.92 | 25.64 | 26.47 | 3.41 | 4.54 | 5.64 | 0.08 |
| Brachyura | 20.00 | 1.78 | 9.31 | 13.45 | 6.05 | 22.00 | 60.00 | 21.42 | 53.08 | 23.07 | 6.58 | 28.96 | 56.41 | 23.42 | 81.82 | 81.81 | 64.96 | 98.92 |
| Calanoida  | 22.50 | 10.31 | 4.88 | 3.84 | 1.81 | 0.18 | - | - | - | - | - | - | - | - | - | - | - | - |
| Cyclopoida  | 42.50 | 78.69 | 21.73 | 13.46 | 8.47 | 0.74 | 4.00 | 3.06 | 0.03 | 5.26 | 3.02 | 0.15 | - | - | - | - | - | - |
| Caprella | 2.50 | 0.41 | 1.33 | 7.69 | 6.66 | 1.54 | 8.00 | 2.04 | 0.09 | 5.12 | 1.46 | 0.35 | 2.54 | 2.03 | 1.63 | - | - | - |
| Isopoda | 2.50 | 0.13 | 1.10 | 5.76 | 1.81 | 4.40 | 20.00 | 7.14 | 6.59 | 7.69 | 5.85 | 7.15 | 2.56 | 20.33 | 0.24 | 2.27 | 1.41 | <0.01 |
| Tanaidacea | 10.00 | 3.02 | 5.32 | 7.69 | 2.42 | 3.34 | - | - | - | - | - | - | 10.25 | 6.10 | 0.95 | - | - | - |
| Peneidae | 7.50 | 1.10 | 4.21 | 32.69 | 21.80 | 24.10 | 24.00 | 12.24 | 28.82 | 23.07 | 12.44 | 5.02 | 7.69 | 3.05 | 2.81 | 2.27 | 2.82 | 0.16 |
| Cirripedia | - | - | - | - | - | - | 1.02 | 0.78 | 0.17 | 2.56 | 2.92 | 0.25 | - | - | - | - | - | - |
| Ostracoda | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Invertebrate eggs | - | - | - | - | - | - | - | - | - | - | - | - | 1.08 | 8.42 | <0.01 | - | - | - |
| Scales | - | - | - | 5.76 | 2.42 | 2.03 | 4.00 | 1.02 | 0.06 | 5.26 | 3.02 | 0.15 | 2.56 | 4.07 | 0.16 | - | - | - |
| Fish | 12.50 | 1.10 | 33.49 | 9.61 | 3.02 | 12.20 | 8.00 | 3.06 | 2.46 | - | - | - | 6.20 | 2.45 | 2.88 | 6.81 | 4.23 | 0.58 |
| Macroalgae | - | - | - | 1.92 | 0.06 | 0.12 | 4.00 | 0.10 | 0.78 | 5.26 | 0.30 | 0.90 | 1.08 | 0.84 | 0.05 | - | - | - |
| Plant material | 2.50 | 0.01 | 0.44 | 9.61 | 0.30 | 1.92 | 4.00 | 10.2 | 2.24 | 5.26 | 0.30 | 0.90 | 5.43 | 0.21 | 0.06 | - | - | - |