**Supplementary Table S1.** Numeric Frequency (%) of food items found in the stomach contents of juvenile mullets *M. curema* and *M. liza* in the marine surf-zone and in Patos Lagoon estuary, Brazil. ‘n’ is the number of individual stomachs analyzed for each species in each habitat.

|  |  |  |
| --- | --- | --- |
| Food Item | Marine surf-zone | Estuary |
| ***M. curema*** | ***M. liza*** | ***M.curema*** | ***M. liza*** |
| **(n=20)** | **(n=18)** | **(n=20)** | **(n=20)** |
| BACILLARIOPHYCEAE |  |
| *Achnanthes brevipes* | 0.2 | 0.0 | 0.5 | 1.0 |
| *Achnanthidium* sp. 1 | 0.1 | 0.0 | 0.5 | 0.1 |
| *Amphora* sp. 1 | 0.0 | 0.0 | 9.4 | 2.7 |
| *Amphora* sp. 2 | 0.0 | 0.0 | 0.1 | 0.1 |
| *Asterionellopsis guyunusae* | 74.6 | 19.4 | 0.1 | 0.5 |
| *Bacillaria paradoxa* | 0.1 | 0.0 | 0.5 | 0.5 |
| Bacillariophyceae sp. 1 | 0.1 | 0.0 | 0.0 | 0.0 |
| Bacillariophyceae sp. 2 | 0.1 | 0.0 | 0.3 | 0.2 |
| Bacillariophyceae sp. 3 | 0.0 | 0.0 | 0.9 | 0.0 |
| Bacillariophyceae sp. 4 | 0.0 | 0.0 | 0.1 | 0.0 |
| Bacillariophyceae sp. 5 | 0.0 | 0.0 | 0.1 | 0.0 |
| Bacillariophyceae sp. 6 | 0.0 | 0.0 | 0.1 | 0.0 |
| Bacillariophyceae sp. 7 | 0.0 | 0.0 | 0.2 | 0.0 |
| Bacillariophyceae spp. | 5.0 | 4.3 | 19.2 | 16.8 |
| *Chamaepinnularia truncata* | 0.0 | 0.0 | 0.5 | 0.1 |
| *Cocconeis neodiminuta* | 0.1 | 0.1 | 0.9 | 0.5 |
| *Cocconeis placentula* | 0.0 | 0.0 | 0.1 | 0.1 |
| *Cocconeis* sp. 1 | 0.0 | 0.1 | 0.1 | 0.0 |
| *Cocconeis* sp. 2 | 0.1 | 0.0 | 0.1 | 0.0 |
| *Cylindrotheca closterium* | 1.4 | 0.4 | 23.4 | 23.0 |
| *Desikaneis* sp. 1 | 0.0 | 0.0 | 0.2 | 0.4 |
| *Diploneis* cf. *ovalis* | 0.0 | 0.0 | 0.0 | 0.1 |
| *Diploneis weissflogii* | 0.4 | 0.2 | 0.0 | 0.1 |
| *Encyonema* sp. 1 | 0.0 | 0.0 | 4.5 | 1.4 |
| *Encyonema* sp. 2 | 0.0 | 0.0 | 1.3 | 0.7 |
| *Entomoneis* spp. | 0.0 | 0.0 | 14.0 | 1.1 |
| *Eolimna* sp. 1 | 0.3 | 0.3 | 0.7 | 0.1 |
| *Eunotia* sp. 1 | 0.1 | 0.0 | 0.0 | 0.0 |
| *Eunotia* sp. 2 | 0.1 | 0.0 | 0.0 | 0.0 |
| *Eunotia* sp. 3 | 0.0 | 0.0 | 0.1 | 0.0 |
| *Fallacia* sp. 1 | 0.1 | 0.0 | 0.0 | 0.0 |
| *Gomphonema* sp. 1 | 0.0 | 0.0 | 0.1 | 0.0 |
| *Gomphonema* sp. 2 | 0.0 | 0.0 | 0.3 | 0.1 |
| *Gomphonema* sp. 3 | 0.0 | 0.0 | 0.1 | 0.0 |
| *Gomphonema* sp. 4 | 0.0 | 0.0 | 0.9 | 0.5 |
| *Gomphonema* sp. 5 | 0.0 | 0.0 | 0.0 | 0.2 |
| *Gomphonema* sp. 6 | 0.1 | 0.0 | 0.0 | 0.0 |
| *Halamphora* spp. | 0.0 | 0.0 | 0.5 | 0.6 |
| *Luticola geoppertiana* | 0.0 | 0.0 | 0.2 | 0.2 |
| *Navicula* cf. *breitenbuchii* | 0.0 | 0.0 | 1.4 | 0.1 |
| *Navicula* sp. 1 | 0.1 | 0.1 | 1.3 | 1.7 |
| *Navicula* sp. 2 | 0.0 | 0.0 | 0.2 | 0.3 |
| *Navicula* sp. 3 | 0.1 | 0.0 | 1.2 | 0.7 |
| *Navicula* sp. 4 | 0.0 | 0.0 | 0.6 | 7.0 |
| *Navicula* sp. 5 | 0.0 | 0.0 | 0.0 | 0.9 |
| *Navicula* sp. 6 | 0.1 | 0.0 | 0.9 | 0.8 |
| *Navicula* sp. 7 | 0.0 | 0.0 | 0.1 | 0.1 |
| *Navicula* sp. 8 | 0.0 | 0.0 | 0.8 | 9.2 |
| *Navicula* sp. 9 | 0.1 | 0.0 | 0.6 | 0.8 |
| *Navicula* sp. 10 | 0.0 | 0.0 | 0.0 | 0.3 |
| *Navicula* sp. 11 | 0.0 | 0.0 | 0.8 | 0.3 |
| *Nitzschia* cf. *sigma* | 0.0 | 0.0 | 2.4 | 1.2 |
| *Nitzschia reversa* | 0.0 | 0.0 | 0.1 | 0.2 |
| *Nitzschia* sp. 1 | 0.4 | 0.1 | 9.9 | 15.7 |
| *Nitzschia* sp. 2 | 0.0 | 0.0 | 0.2 | 5.6 |
| *Nitzschia* sp. 3 | 0.0 | 0.0 | 0.5 | 0.1 |
| *Nitzschia* sp. 4 | 0.0 | 0.0 | 26.5 | 22.1 |
| *Nitzschia* sp. 5 | 0.0 | 0.0 | 0.9 | 1.1 |
| *Nitzschia* sp. 6 | 0.0 | 0.0 | 8.6 | 7.7 |
| *Nitzschia* sp. 7 | 0.0 | 0.0 | 2.6 | 1.4 |
| *Nitzschia* sp. 8 | 0.0 | 0.0 | 4.4 | 3.0 |
| *Placoneis* sp. 1 | 0.0 | 0.0 | 0.9 | 0.7 |
| *Planothidium* cf. *frequentissimum* | 0.0 | 0.0 | 2.7 | 2.3 |
| *Pleurosigma* sp. | 0.0 | 0.0 | 0.0 | 0.1 |
| *Psammodiscus nitidus* | 0.1 | 0.1 | 0.1 | 0.0 |
| *Stauroneis* sp. 1 | 0.0 | 0.0 | 0.1 | 0.1 |
| *Stauroneis* sp. 2 | 0.0 | 0.0 | 0.1 | 0.0 |
| *Staurosirella martyi* | 0.0 | 0.0 | 1.6 | 0.7 |
| *Staurosirella pinnata* | 0.0 | 0.0 | 11.5 | 7.2 |
| *Synedra* sp. 1 | 0.0 | 0.0 | 0.2 | 0.0 |
| *Synedra tortuosa* | 0.1 | 0.1 | 0.0 | 0.0 |
| *Tabularia fasciculata* | 0.1 | 0.0 | 0.5 | 1.7 |
| *Tryblionella acuminata* | 0.2 | 0.2 | 2.3 | 1.4 |
| *Tryblionella compressa* | 0.1 | 0.0 | 0.0 | 0.0 |
| *Tryblionella* sp. 1 | 0.2 | 0.2 | 0.0 | 0.1 |
| COSCINODISCOPHYCEAE |  |  |  |  |
| *Actinoptychus* spp. | 0.1 | 0.0 | 0.0 | 0.0 |
| *Aulacoseira* cf. *granulata* | 0.2 | 0.1 | 1.8 | 2.8 |
| Coscinodiscophyceae (fragments) | 34.2 | 25.1 | 9.5 | 15.6 |
| Coscinodiscophyceae sp. 1 | 0.1 | 0.1 | 0.0 | 0.0 |
| Coscinodiscophyceae sp. 2 |  0.0 |  0.0 |  0.1 |  0.2 |
| Coscinodiscophyceae sp. 3 | 0.2 | 0.3 | 0.0 | 0.0 |
| Coscinodiscophyceae spp. | 3.6 | 1.4 | 3.6 | 6.2 |
| *Coscinodiscus* cf. *asteromphalus* | 0.1 | 0.1 | 0.1 | 0.0 |
| *Coscinodiscus wailesii* | 0.0 | 0.1 | 0.0 | 0.0 |
| *Melosira moniliformis* | 0.2 | 0.0 | 1.7 | 4.7 |
| *Melosira varians* | 0.2 | 0.1 | 0.2 | 0.3 |
| *Paralia sulcata* | 0.4 | 0.2 | 0.1 | 0.3 |
| *Rhizosolenia* spp. | 0.0 | 0.1 | 0.0 | 0.0 |
| MEDIOPHYCEAE |  |  |  |  |
| *Bacteriastrum* sp. | 0.0 | 0.0 | 0.0 | 0.2 |
| *Campylosira cymbelliformis* | 0.1 | 0.0 | 0.0 | 0.0 |
| *Cyclotella* spp. | 7.5 | 1.6 | 1.8 | 4.6 |
| *Odontella aurita* | 0.0 | 0.2 | 0.1 | 0.3 |
| *Skeletonema* spp. | 0.3 | 0.1 | 16.6 | 21.6 |
| *Thalassiosira* spp. | 0.1 | 0.1 | 0.6 | 0.1 |
| CHLOROPHYCEAE |  |  |  |  |
| Chlorophyceae sp. 1 | 1.9 | 0.5 | 2.1 | 2.2 |
| Chlorophyceae sp. 2 | 0.0 | 0.0 | 0.1 | 0.2 |
| Chlorophyceae sp. 3 | 0.0 | 0.0 | 0.1 | 0.0 |
| *Crucigenia* sp. 1 | 0.1 | 0.0 | 0.1 | 0.1 |
| CYANOBACTERIA |  |  |  |  |
| Cyanobacteria sp. 1 (coccoid) | 0.2 | 0.1 | 0.1 | 0.0 |
| Cyanobacteria sp. 2 (filamentous) | 0.1 | 0.1 | 0.0 | 0.0 |
| Cyanobacteria sp. 3 (filamentous) | 0.0 | 0.0 | 0.5 | 0.4 |
| Cyanobacteria sp. 4 (colonial) | 0.0 | 0.0 | 0.2 | 0.3 |
| Cyanobacteria sp. 5 (filamentous) |  0.0 |  0.0 |  0.1 |  0.2 |
| Cyanobacteria sp. 6 (filamentous) | 0.0 | 0.0 | 0.5 | 0.0 |
| Cyanobacteria sp. 7 (colonial) | 0.0 | 0.0 | 0.2 | 0.1 |
| Cyanobacteria sp. 8 (filamentous) | 0.0 | 0.0 | 0.0 | 0.1 |
| Cyanobacteria sp. 9 (filamentous) | 0.0 | 0.0 | 0.1 | 0.1 |
| Cyanobacteria sp. 10 (filamentous) | 0.0 | 0.0 | 0.0 | 0.1 |
| Leptolyngbyaceae sp. 1 | 0.0 | 0.0 | 0.4 | 1.0 |
| Oscillatoriaceae sp. 1 | 0.0 | 0.0 | 1.9 | 0.8 |
| Pseudoanabaena sp. | 0.0 | 0.0 | 0.0 | 0.1 |
| DINOPHYCEAE |  |  |  |  |
| Dinophyceae spp. | 0.0 | 0.0 | 0.3 | 0.0 |
| *Prorocentrum micans* | 0.1 | 0.1 | 0.0 | 0.0 |
| EUGLENOPHYCEAE |  |  |  |  |
| Euglenophyceae sp. 1 | 0.1 | 0.1 | 0.0 | 0.0 |
| Euglenophyceae sp. 2 |  0.4 |  0.3 |  0.3 |  0.0 |
| Euglenophyceae sp. 3 | 0.0 | 0.0 | 0.0 | 0.1 |
| Euglenophyceae sp. 4 | 0.0 | 0.0 | 0.1 | 0.0 |
| Euglenophyceae sp. 5 |  0.0 |  0.0 |  0.0 |  0.1 |
| ZYGNEMATOPHYCEAE |  |  |  |  |
| *Cosmarium* spp. | 0.0 | 0.0 | 0.1 | 0.0 |
| UNIDENTIFIED |  |  |  |  |
| NI 1 | 0.0 | 0.0 | 0.0 | 0.1 |
| NI 2 | 7.0 | 0.1 | 0.6 | 0.3 |
| NI 3 |  0.1 |  0.1 |  0.0 |  0.0 |
| NI 5 | 0.1 | 0.0 | 0.1 | 0.0 |
| NI 6 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 7 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 8 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 9 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 10 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 11 |  0.5 |  0.1 |  0.1 |  0.1 |
| NI 12 | 0.0 | 0.0 | 0.2 | 0.1 |
| NI 13 |  0.0 |  0.0 |  0.0 |  0.1 |
| NI 14 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 15 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 16 | 0.0 | 0.0 | 0.0 | 0.1 |
| NI 17 | 0.0 | 0.0 | 0.0 | 0.1 |
| NI 18 | 0.0 | 0.0 | 0.0 | 0.1 |
| NI 19 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 20 | 0.0 | 0.0 | 0.1 | 0.0 |
| NI 21 | 0.0 | 0.0 | 0.0 | 0.1 |
| NI 22 | 0.0 | 0.0 | 0.0 | 0.1 |
| NI 23 | 0.0 | 0.0 | 0.0 | 0.1 |
| NI 24 (flagellate) | 1.0 | 0.3 | 2.8 | 1.1 |
| NI 25 (flagellate) | 0.0 | 0.0 | 0.2 | 0.0 |
| NI 26 (flagellate) | 0.0 | 0.0 | 0.4 | 0.0 |
| NI 27 | 0.0 | 0.0 | 0.3 | 0.1 |
| NI 28 | 0.1 | 0.0 | 0.0 | 0.0 |
| CRUSTACEA |  |  |  |  |
| Copepoda NI (fragment) | 0.1 | 0.3 | 0.1 | 0.4 |
| Calanoida NI (fragment) | 0.2 | 0.6 | 0.0 | 0.0 |
| Cyclopoida NI ( fragment) | 1.2 | 1.7 | 0.0 | 0.0 |
| Crustacea NI (fragment) | 0.4 | 0.2 | 0.1 | 0.3 |
| SARCODINA |  |  |  |  |
| Thecamoebina | 0.1 | 0.0 | 0.1 | 0.0 |