**Supplementary material**

Table S1. List of species and respective voucher numbers of the 41 most dominant species in the Batata Lake, Pará, Brazil. Specimens were deposited in the ichthyological collection of the Fish Ecology Lab (DEPRJ) of the Federal University of Rio de Janeiro (UFRJ).

|  |  |
| --- | --- |
| **Order/Family/Species** | **Voucher number** |
| **Characiformes** |  |
| **Serrasalmidae** |  |
| *Myloplus lobatus* (Valenciennes, 1850) | DEPRJ 8415 |
| *Serrasalmus rhombeus* (Linnaeus, 1766) | DEPRJ 8334 |
| **Hemiodontidae** |  |
| *Argonectes longiceps* (Kner, 1858) | DEPRJ 8337 |
| *Hemiodus argenteus* Pellegrin, 1909 | DEPRJ 8407 |
| *Hemiodus immaculatus* Kner, 1858 | DEPRJ 8340 |
| *Hemiodus unimaculatus* (Bloch, 1794) | DEPRJ 8338 |
| *Micromischodus sugillatus* Roberts, 1971 | DEPRJ 8414 |
| **Anostomidae** |  |
| *Laemolyta taeniata* (Kner, 1858) | DEPRJ 8412 |
| *Leporinus fasciatus* (Bloch, 1794) | DEPRJ 8413 |
| **Chilodontidae** |  |
| *Caenotropus labyrinthicus* (Kner, 1858) | DEPRJ 8315 |
| **Curimatidae** |  |
| *Curimata vittata* (Kner, 1858) | DEPRJ 8389 |
| *Curimata roseni* Vari, 1989 | DEPRJ 8325 |
| *Curimata ocellata* Eigenmann & Eigenmann, 1889 | DEPRJ 8333 |
| *Cyphocharax abramoides* (Kner, 1858) | DEPRJ 8405 |
| *Cyphocharax festivus* Vari, 1992 | DEPRJ 8406 |
| **Ctenoluciidae** |  |
| *Boulengerella cuvieri* (Cuvier, 1816) | DEPRJ 8403 |
| *Boulengerella lucius* (Valenciennes, 1850) | DEPRJ 8404 |
| **Triportheidae** |  |
| *Agoniates halecinus* Müller & Troschel, 1845 | DEPRJ 8382 |
| *Triportheus albus* Cope, 1872 | DEPRJ 8420 |
| **Iguanodectidae** |  |
| *Bryconops alburnoides* Kner, 1858 | DEPRJ 8375 |
| **Acestrorhynchidae** |  |
| *Acestrorhynchus falcirostris* (Cuvier, 1819) | DEPRJ 8373 |
| *Acestrorhynchus microlepis* (Jardine, 1841) | DEPRJ 8374 |
| **Siluriformes** |  |
| **Auchenipteridae** |  |
| *Ageneiosus ucayalensis* Castelnau, 1855 | DEPRJ 8400 |
| *Auchenipterichthys longimanus* (Günther, 1864) | DEPRJ 8398 |
| *Auchenipterus nuchalis* (Spix & Agassiz, 1829) | DEPRJ 8402 |
| **Doradidae** |  |
| *Astrodoras asterifrons* (Kner, 1853) | DEPRJ 8401 |
| *Hassar orestis* (Steindachner, 1875) | DEPRJ 8377 |
| *Trachydoras brevis* (Kner, 1853) | DEPRJ 8419 |
| **Loricariidae** |  |
| *Hypoptopoma elongatum* Aquino & Schaefer, 2010 | DEPRJ 8410 |
| *Loricariichthys acutus* (Valenciennes, 1840) | DEPRJ 8379 |
| **Pimelodidae** |  |
| *Hypophthalmus edentatus* Spix & Agassiz, 1829 | DEPRJ 8408 |
| *Hypophthalmus marginatus* Valenciennes, 1840 | DEPRJ 8409 |
| *Pinirampus pirinampu* (Spix & Agassiz, 1829) | DEPRJ 8418 |
| **Perciformes** |  |
| **Cichlidae** |  |
| *Cichla vazzoleri* Kullander & Ferreira, 2006 | DEPRJ 8320 |
| *Geophagus altifrons* Heckel, 1840 | DEPRJ 8322 |
| **Sciaenidae** |  |
| *Plagioscion montei* Soares & Casatti, 2000 | DEPRJ 8321 |
| *Plagioscion squamosissimus* (Castelnau, 1855) | DEPRJ 8327 |
| **Clupeiformes** |  |
| **Engraulidae** |  |
| *Lycengraulis batesii* (Günther, 1868) | DEPRJ 8332 |
| **Pristigasteridae** |  |
| *Ilisha amazonica* | DEPRJ 8411 |
| *Pellona castelnaeana* Valenciennes, 1847 | DEPRJ 8416 |
| *Pellona flavipinnis* (Valenciennes, 1837) | DEPRJ 8417 |