

**Supplementary material**

**Riparian integrity affects diet and intestinal length of a generalist fish species**

*Renato Bolson Dala Corte*<sup>A,D</sup>, *Fernando Gertum Becker*<sup>B</sup> and *Adriano Sanches Melo*<sup>C</sup>

<sup>A</sup>Programa de Pós-Graduação em Ecologia, Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, 91501-970, Brazil.

<sup>B</sup>Departamento de Ecologia, Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, 91501-970, Brazil.

<sup>C</sup>Departamento de Ecologia, Universidade Federal de Goiás, Goiânia, GO, 74001-970, Brazil.

<sup>D</sup>Corresponding author. Email: [renatocorte@gmail.com](mailto:renatocorte@gmail.com)

**Table S1. Overall percentage values of the food items found in stomach content analyses of 374 *Bryconamericus iheringii* adult individuals**

| Food items                                | Mean  | s.d.  | Minimum | Maximum |
|---|-------|-------|---------|---------|
| Chironomidae aquatic larvae               | 0.9   | 4.6   | 0.0     | 50.0    |
| Simuliidae aquatic larvae                 | 0.3   | 2.2   | 0.0     | 34.9    |
| Ceratopogonidae aquatic larvae            | 0.0   | <0.01 | 0.0     | 0.1     |
| Empididae aquatic larvae                  | 0.1   | 0.7   | 0.0     | 11.7    |
| Tabanidae aquatic larvae                  | 0.2   | 3.8   | 0.0     | 70.0    |
| Diptera aquatic pupae                     | 0.1   | 0.8   | 0.0     | 8.7     |
| Trichoptera aquatic nymph                 | 0.4   | 2.6   | 0.0     | 38.9    |
| Ephemeroptera aquatic nymph               | 2.2   | 11.0  | 0.0     | 100     |
| Plecoptera aquatic nymph                  | 0.1   | 0.6   | 0.0     | 10.8    |
| Odonata aquatic nymph                     | 0.4   | 3.6   | 0.0     | 44.4    |
| Lepidoptera aquatic larvae                | 0.3   | 4.8   | 0.0     | 91.6    |
| Hemiptera aquatic adult                   | 0.3   | 2.4   | 0.0     | 34.0    |
| Megaloptera aquatic larvae                | <0.01 | 0.6   | 0.0     | 11.4    |
| Coleoptera aquatic larvae                 | 1.8   | 9.0   | 0.0     | 98.5    |
| Unidentified aquatic insect fragments     | 13.7  | 27.6  | 0.0     | 100     |
| <i>Aegla</i> (Decapoda) aquatic adult     | 0.3   | 4.7   | 0.0     | 84.9    |
| Bivalvia (Mollusca)                       | <0.1  | 0.1   | 0.0     | 1.8     |
| Gastropoda (Mollusca)                     | <0.1  | 0.3   | 0.0     | 3.2     |
| Ostracoda (Crustacea)                     | <0.1  | 0.1   | 0.0     | 1.1     |
| Diptera terrestrial adult                 | 1.1   | 9.5   | 0.0     | 100     |
| Stratiomyidae terrestrial adult           | <0.1  | 0.4   | 0.0     | 6.7     |
| Lepidoptera terrestrial larvae            | 1.5   | 9.5   | 0.0     | 96.7    |
| Hemiptera terrestrial adult               | 0.3   | 5.1   | 0.0     | 97.8    |
| Hymenoptera terrestrial adult             | 1.9   | 8.5   | 0.0     | 100     |
| Coleoptera terrestrial adult              | 1.1   | 7.6   | 0.0     | 100     |
| Diplopoda terrestrial                     | 0.1   | 1.0   | 0.0     | 19.4    |
| Unidentified terrestrial insect fragments | 0.9   | 6.6   | 0.0     | 83.3    |
| Araneae terrestrial                       | 0.3   | 2.5   | 0.0     | 28.0    |
| Aphidoidea terrestrial adult              | <0.1  | <0.1  | 0.0     | 0.8     |
| Formicidae terrestrial adult              | <0.1  | 0.2   | 0.0     | 3.5     |
| Aquatic plant fragments                   | 3.2   | 13.4  | 0.0     | 91.1    |
| Terrestrial plant fragments               | 38.5  | 42.2  | 0.0     | 100     |
| Filamentous algae                         | 7.8   | 23.4  | 0.0     | 100     |
| Sediment (particulate inorganic matter)   | 2.4   | 9.4   | 0.0     | 94.1    |
| Unidentified organic matter               | 8.2   | 23.1  | 0.0     | 100     |
| Detritus (particulate matter)             | 11.7  | 27.9  | 0.0     | 100     |