Online Supplementary Material 2

ANOVA and Tukey´s test for richness and abundance of the functional feeding groups of benthic macroinvertebrates of streams of different orders in the Chapada Diamantina National Park, Brazil. D = Dry season; R = Rainy season.

Anova e teste de Tukey para riqueza e abundância do grupo functional alimentar de macroinvertebrados bentônicos de riachos de diferentes ordens no Parque Nacional da Chapada Diamantina, Brasil. D = período seco; R = período chuvoso.

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| **Analysis** | **1st Order** | **2nd Order** | **3rd Order** |
|  | **D** | **R** | **D** | **R** | **D** | **R** |
|  | **Richness** |
| ANOVA | F4.10 = 15.58 | F4.10 = 16.92 | F4.10 = 8.04 | F4.10 = 59.04 | F4.10 = 12.90 | F4.10 = 20.67 |
| Tukey test | SS = 1.60p < 0.001 | SS = 2.00p < 0.001 | SS = 4.93p < 0.001 | SS = 0.93p < 0.001 | SS = 3.07p < 0.001 | SS = 2.13p < 0.001 |
|  | **Abundance** |
| ANOVA | F4.10 = 8.43 | F4.10 = 10.42 | F4.10 = 9.43 | F4.10 = 10.90 | F4.10 = 8.59 | F4.10 = 10.76 |
| Tukey test | SS = 0.14p < 0.003 | SS = 0.16p < 0.001 | SS = 2.27p < 0.001 | SS = 0.27p < 0.001 | SS = 0.15p < 0.002 | SS = 0.13p < 0.001 |