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 = 1.60  p < 0.001 | SS = 2.00  p < 0.001 | SS = 4.93  p < 0.001 | SS = 0.93  p < 0.001 | SS = 3.07  p < 0.001 | SS = 2.13  p < 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 = 0.14  p < 0.003 | SS = 0.16  p < 0.001 | SS = 2.27  p < 0.001 | SS = 0.27  p < 0.001 | SS = 0.15  p < 0.002 | SS = 0.13  p < 0.001 |