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| **S4 Table. Results ofanalyses of variance (ANOVA) for swimming velocities (x 10 µm/sec) in *Volvox* sp. Sagami and *V. ferrisii* Isaka et al. among three habitats and between growth media (AF-6/3 medium and AF-6 medium), using mean value in each of the strains (Fig 4).** Based on unweighted-mean ANOVA analyzed by js-STAR version 2.9.9j β < http://www.kisnet.or.jp/nappa/software/star/index.htm >. A = natural habitats. A1 = large lakes. A2 = ponds. A3 = rice paddies. B = growth media.  |
|
| S.V | SS | Df | MS | F |
| A | 5986.6603 | 2 | 2993.3301 | 17.92 \*\* |
| subj | 1001.9583 | 6 |  166.9931 |  |
| B | 264.0032 | 1 |  264.0032 | 5.09 + |
| AxB | 64.0449 | 2 |  32.0224 | 0.62 ns |
| sxB | 310.9583 | 6 |  51.8264 |  |
| Total  | 7627.6250 | 17 |  |  |

ns p>0.01; + p<0.10; \* p<0.05; \*\* p<0.01.

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| **== Multiple Comparisons by Bonferroni ==** |
|  (MSe= 166.9931, \* p<0.05, alpha'= 0.0167) |
| [Main Effect of Factor A] |
| A | N(Nh) | Mean |
| 1 | 8(5.54) | 103.1250 |
| 2 | 4(5.54) |  86.2500 |
| 3 | 6(5.54) | 57.1667 |
| A1 > A2 \* | (BONF= 14.4907) |  |
| A1 > A3 \* | (BONF= 12.7796) |  |
| A1 > A2 \* | (BONF= 14.4907) |  |

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| **== Multiple Comparisons by Holm ==** |
|  (MSe= 166.9931, \* p<0.05) |
| [Main Effect of Factor A] |
| A | N(Nh) | Mean |
| 1 | 8(5.54) | 103.1250 |
| 2 | 4(5.54) |  86.2500 |
| 3 | 6(5.54) | 57.1667 |
| A1 > A2 \* | (alpha'= 0.0500) |  |
| A1 > A3 \* | (alpha'= 0.0167) |  |
| A2 > A3 \* | (alpha'= 0.0250) |  |