***Supplementary material***

**Table 1** – Stable carbon (δ13C) and hydrogen (δ2H) isotopes (‰) of insects and spiders from both aquatic and terrestrial habitats. Different letters indicate statistically significant differences between habitats (KW tests and Conover-Iman multiple comparisons, significant level *P* < 0.05) for insects and spiders.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Insects** | **Spiders** |
|  |  | **Lake Lunz** | **Terrestrial** | **Lake Lunz** | **Terrestrial** |
| **13C****(**‰) | **14:0** | -32.0 ± 0.7 | -30.4 ± 0.4 | -30.5 ± 0.7 | -31.3 ± 0.7 |
| **16:0** | -32.3 ± 0.3 a | -31.4 ± 0.3 b | -30.1 ± 0.8 | -32.2 ± 0.4 |
| **Σ 16:1** | -33.2 ± 0.4 a | -31.8 ± 0.4 b | -32.5 ± 1.0 | -31.7 ± 0.4 |
| **18:0** | -33.5 ± 0.9 a | -32.3 ± 1.1 b | -30.7 ± 1.0 | -32.0 ± 0.3 |
| **Σ 18:1** | -32.4 ± 0.5 a | -30.1 ± 0.3 b | -30.8 ± 0.8 | -30.8 ± 0.5 |
| **18:2n-6 (LIN)** | -33.5 ± 0.8 a | -30.8 ± 0.3 b | -30.1 ± 0.8 | -31.1 ± 0.8 |
| **18:3n-3 (ALA)** | -37.1 ± 0.9 a | -33.0 ± 0.4 b | -32.49 ± 1.1 | -34.0 ± 0.3 |
| **20:4n-6 (ARA)** | -34.6 ± 0.9 a | -32.0 ± 0.3 b | -30.6 ± 1.2 | -33.1 ± 0.4 |
| **20:5n-3 (EPA)** | -34.1 ± 1.1 | -31.6 ± 0.3  | -29.7 ± 0.7 A | -33.5 ± 0.7 B |
| **2H****(**‰) | **14:0** | -258.6 ± 13.0 | -245.0 ± 16.1 | -247.1 ± 6.9 | -276.8 ± 7.9 |
| **16:0** | -284.2 ± 7.6 | -311.5 ± 6.4 | -275.9 ± 10.2 A | -324.3 ± 9.9 B |
| **Σ 16:1** | -325.2 ± 9.3 | -362.0 ± 8.7 | -320.1 ± 9.1 A | -366.1 ± 13.1 B |
| **18:0** | -234.5 ± 6.4 | -203.5 ± 7.2 | -249.2 ± 8.4 | -231.5 ± 4.1 |
| **Σ 18:1** | -270.8 ± 8.1 | -344.0 ± 9.0 | -294.1 ± 11.1 A | -339.7 ± 9.7 B |
| **18:2n-6 (LIN)** | -237.2 ± 10.9 | -295.2 ± 22.2 | -267.5 ± 14.1 | -263.3 ± 16.5 |
| **18:3n-3 (ALA)** | -201.2 ± 15.2 | -151.7 ± 9.1 | -140.9 ± 11.7 A | -201.5 ± 12.1 B |
| **20:4n-6 (ARA)** | -156.8 ± 14.1 | - 108.6 ± 11.8 | -170.4 ± 16.4 | -139.5 ± 8.6 |
| **20:5n-3 (EPA)** | -294.1 ± 6.8 a | -172.2 ± 9.5 b | -258.0 ± 15.0 | -215.1 ± 14.8 |