|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table S9**. Non-parametric Mann-Whitney *U*-test and linear models testing effects of treatments (burned [B] vs. unburned [UnB]) and sample types (15N-labeled sage, non-labeled willow, and plankton stock) on nitrogen isotope values (δ15N) and C:N ratios prior to the start of the experiment (Time 0). | | | | | | | | | | | | | | | | | |
| **Mann-Whitney *U-*tests** | | | | | | | | | | | | | | | | | |
| *Metric* | | | | | *Material* | | *Contrast* | | | | | | *U* | | | *p-value* | |
| δ15N | | | Leaf material | | | | willow *vs*. sage | | | | | | 315 | | | **<0.001** | |
| C:N |  | |  | | | | | | | | | | 160 | | | **0.014** | |
|  |  | | | |  | | | | | | | |  |  | | |  |
| δ15N | Willow, plankton | | | | | | willow *vs*. plankton stock | | | | | | 28 | | | **0.001** | |
| C:N |  | | | |  | | | | | | | | 28 | | | **0.001** | |
|  |  | | | |  | | | | |  |  | | | | |  | |
| **Linear models** | | | | |  | | | | |  |  | | | | |  | |
| *Metric* | | | | *Material* | | *Effect* | | *df* | *SS* | | | *MS* | | | *F* | *p-value* | |
| sage-δ15N | | Leaf material | | | | Treatment | | 2 | 5,178 | | | 2,589 | | | 0.913 | 0.423 | |
|  |  | | | | | Residual | | 15 | 42,461 | | | 2,837 | | |  |  | |
|  |  | | | | |  | |  |  | | |  | | |  |  | |
| sage-C:N |  | | | | | Treatment | | 2 | 3,011 | | | 1,505 | | | 11.320 | **0.001** | |
|  |  | | | | | Residual | | 13 | 1729 | | | 133 | | |  |  | |
|  |  | | | | |  | |  |  | | |  | | |  |  | |
| willow-δ15N |  | | | | | Treatment | | 1 | 0.050 | | | 0.050 | | | 0.554 | 0.485 | |
|  |  | | | | | Residual | | 6 | 0.538 | | | 0.090 | | |  |  | |
|  |  | | | | |  | |  |  | | |  | | |  |  | |
| willow-C:N |  | | | | | Treatment | | 1 | 14.773 | | | 14.773 | | | 5.279 | 0.061 | |
|  |  | | | | | Residual | | 6 | 16.789 | | | 2.798 | | |  |  | |
| Sample size is *n*=7 (plankton), *n*=18 (sage), *n*=8 (willow). | | | | | | | | | | | | | | | | | |