|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table Sx**. Linear models testing the influence of treatment (burned vs. unburned) plant material (leaf, stem) on willow biomass prior to addition to aquatic mesocosms. Factor interactions were excluded*,* except for their three-way interaction, which allowed for *a priori* contrasts of burning effects within plant tissue types in a single species. | | | | | |
| *Willow biomass* | *Effect* | *SS* | *df* | *F* | *p-value* |
| Nitrogen (%N) | Treatment | 0.082 | 1 | 6.019 | **0.044** |
|  | Type | 1.454 | 1 | 107.153 | **<0.001** |
|  | Treatment:Type | 0.044 | 1 | 3.212 | 0.116 |
|  | Residual | 0.095 | 7 |  |  |
|  |  |  |  |  |  |
| Phosphorous (%P) | Treatment | 0.006 | 1 | 18.283 | **0.004** |
|  | Type | 0.007 | 1 | 20.670 | **0.003** |
|  | Treatment:Type | 0.001 | 1 | 2.513 | 0.157 |
|  | Residual | 0.002 | 7 |  |  |
|  |  |  |  |  |  |
| Potassium (%K) | Treatment | 0.068 | 1 | 8.034 | **0.025** |
|  | Type | 0.264 | 1 | 31.358 | **<0.001** |
|  | Treatment:Type | 0.002 | 1 | 0.173 | 0.690 |
|  | Residual | 0.059 | 7 |  |  |
|  |  |  |  |  |  |
| Sulfur (%S) | Treatment | 0.003 | 1 | 22.303 | **0.002** |
|  | Type | 0.042 | 1 | 374.819 | **<0.001** |
|  | Treatment:Type | 0.001 | 1 | 11.985 | **0.011** |
|  | Residual | 0.001 | 7 |  |  |
|  |  |  |  |  |  |
| Zinc (Zn ppm) | Treatment | 22,363 | 1 | 35.304 | **<0.001** |
|  | Type | 21,956 | 1 | 34.663 | **<0.001** |
|  | Treatment:Type | 5,340 | 1 | 8.431 | **0.023** |
|  | Residual | 4,434 | 7 |  |  |
| ANOVA table generated from Type-III sum of squares using *car* package in R. *SS* = sum of squares; *df* = degrees of freedom; *MS* = mean sum of squares. Significant effects (p<0.05) are in bold. | | | | | |