***No adjustment***

**Mod 1 (Biomass)**

contrast ratio SE df null t.ratio p.value

Autumn Olive / Native 0.767 0.105 223 1 -1.931 0.0548

Barberry / Native 0.793 0.110 226 1 -1.675 0.0954

Burning Bush / Native 0.798 0.110 221 1 -1.636 0.1032

Honeysuckle / Native 1.250 0.172 223 1 1.620 0.1066

**Mod 2 (Bird effects post hoc test)**

contrast estimate SE df t.ratio p.value

Autumn Olive - Native -0.0438 0.27 106 -0.162 0.8716

Barberry - Native -0.4042 0.27 106 -1.494 0.1380

Burning Bush - Native -0.1277 0.27 106 -0.472 0.6376

Honeysuckle - Native -0.0467 0.27 106 -0.173 0.8633

**Mod 7 (Herbivore N post hoc)**

contrast estimate SE df t.ratio p.value

Autumn Olive - Native 0.3458 0.183 341 1.885 0.0602

Barberry - Native 0.0387 0.183 341 0.211 0.8330

Burning Bush - Native 0.1173 0.183 341 0.639 0.5229

Honeysuckle - Native 0.9693 0.183 341 5.286 <.0001

**Mod 9 (Spider N post hoc)**

contrast estimate SE df t.ratio p.value

Autumn Olive - Native -0.3534 0.155 341 -2.277 0.0234

Barberry - Native -0.8231 0.155 341 -5.303 <.0001

Burning Bush - Native -0.0634 0.155 341 -0.409 0.6831

Honeysuckle - Native 0.0446 0.155 341 0.288 0.7738

***Dunnett’s test***

**Mod 1 (Biomass)**

contrast ratio SE df null t.ratio p.value

Autumn Olive / Native 0.727 0.136 107 1 -1.698 0.2719

Barberry / Native 0.707 0.132 107 1 -1.854 0.2051

Burning Bush / Native 0.717 0.134 107 1 -1.776 0.2372

Honeysuckle / Native 1.252 0.235 107 1 1.199 0.5587

**Mod 2 (Bird effects post hoc test)**

contrast estimate SE df t.ratio p.value

Autumn Olive - Native -0.0438 0.27 106 -0.162 0.9952

Barberry - Native -0.4042 0.27 106 -1.494 0.3780

Burning Bush - Native -0.1277 0.27 106 -0.472 0.9399

Honeysuckle - Native -0.0467 0.27 106 -0.173 0.9945

**Mod 7 (Herbivore N post hoc)**

contrast estimate SE df t.ratio p.value

Autumn Olive - Native 0.3458 0.183 341 1.885 0.1887

Barberry - Native 0.0387 0.183 341 0.211 0.9911

Burning Bush - Native 0.1173 0.183 341 0.639 0.8790

Honeysuckle - Native 0.9693 0.183 341 5.286 <.0001

**Mod 9 (Spider N post hoc)**

contrast estimate SE df t.ratio p.value

Autumn Olive - Native -0.3534 0.155 341 -2.277 0.0800

Barberry - Native -0.8231 0.155 341 -5.303 <.0001

Burning Bush - Native -0.0634 0.155 341 -0.409 0.9572

Honeysuckle - Native 0.0446 0.155 341 0.288 0.9814

**Table S1:** Unplanned contrasts of plant biomass between native plants (as a reference group) and each invasive plant using Dunnett’s test.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Contrast** | **Ratio** | **SE** | **df** | **t ratio** | ***p*** |
| Autumn Olive/Native | 0.727 | 0.136 | 107 | -1.698 | 0.2719 |
| Barberry/Native | 0.707 | 0.132 | 107 | -1.854 | 0.2051 |
| Burning Bush/Native | 0.717 | 0.134 | 107 | -1.776 | 0.2372 |
| Honeysuckle/Native | 1.252 | 0.235 | 107 | 1.199 | 0.5587 |

**Table S2:** Unplanned contrasts of bird predation LLR between native plants (as a reference group) and each invasive plant using Dunnett’s test.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Contrast** | **Estimate** | **SE** | **df** | **t ratio** | **p** |
| Autumn Olive - Native | -0.0438 | 0.27 | 106 | -0.162 | 0.9952 |
| Barberry - Native | -0.4042 | 0.27 | 106 | -1.494 | 0.378 |
| Burning Bush - Native | -0.1277 | 0.27 | 106 | -0.472 | 0.9399 |
| Honeysuckle - Native | -0.0467 | 0.27 | 106 | -0.173 | 0.9945 |

**Table S3:** Unplanned contrasts of herbivore %N content between native plants (as a reference group) and each invasive plant using Dunnett’s test. Significant differences highlighted in bold.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Contrast** | **Estimate** | **SE** | **df** | **t ratio** | **p** |
| Autumn Olive - Native | 0.3458 | 0.183 | 341 | 1.885 | 0.1887 |
| Barberry - Native | 0.0387 | 0.183 | 341 | 0.211 | 0.9911 |
| Burning Bush - Native | 0.1173 | 0.183 | 341 | 0.639 | 0.879 |
| Honeysuckle - Native | 0.9693 | 0.183 | 341 | 5.286 | **<.0001** |

**Table S4:** Unplanned contrasts of spider %N content between native plants (as a reference group) and each invasive plant using Dunnett’s test. Significant differences highlighted in bold.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Contrast** | **Estimate** | **SE** | **df** | **t ratio** | **p** |
| Autumn Olive - Native | -0.3534 | 0.155 | 341 | -2.277 | 0.08 |
| Barberry - Native | -0.8231 | 0.155 | 341 | -5.303 | **<.0001** |
| Burning Bush - Native | -0.0634 | 0.155 | 341 | -0.409 | 0.9572 |
| Honeysuckle - Native | 0.0446 | 0.155 | 341 | 0.288 | 0.9814 |