| **Petasites Model** | **Effect** | **numDF** | **denDF** | **p\_value** | **F\_value** |
| --- | --- | --- | --- | --- | --- |
| %C | (Intercept) | 1 | 67 | **<0.001** | 56,229.618 |
| %C | site | 4 | 67 | 0.553 | 0.763 |
| %C | year | 1 | 67 | **<0.001** | 72.537 |
| %C | site:year | 4 | 67 | 0.864 | 0.319 |
| %N | (Intercept) | 1 | 67 | **<0.001** | 4,128.688 |
| %N | site | 4 | 67 | **0.002** | 4.616 |
| %N | year | 1 | 67 | **<0.001** | 15.860 |
| %N | site:year | 4 | 67 | 0.329 | 1.176 |
| %P | (Intercept) | 1 | 68 | **<0.001** | 489.087 |
| %P | site | 4 | 68 | **0.042** | 2.632 |
| %P | year | 1 | 68 | **<0.001** | 71.181 |
| %P | site:year | 4 | 68 | 0.098 | 2.045 |
| C:N | (Intercept) | 1 | 67 | **<0.001** | 4,082.582 |
| C:N | site | 4 | 67 | **<0.001** | 5.972 |
| C:N | year | 1 | 67 | **<0.001** | 51.122 |
| C:N | site:year | 4 | 67 | 0.164 | 1.684 |
| C:P | (Intercept) | 1 | 66 | **<0.001** | 648.892 |
| C:P | site | 4 | 66 | **0.027** | 2.938 |
| C:P | year | 1 | 66 | **<0.001** | 70.115 |
| C:P | site:year | 4 | 66 | 0.061 | 2.371 |
| N:P | (Intercept) | 1 | 66 | **<0.001** | 502.481 |
| N:P | site | 4 | 66 | **0.035** | 2.750 |
| N:P | year | 1 | 66 | **<0.001** | 33.388 |
| N:P | site:year | 4 | 66 | **0.014** | 3.386 |
| %BSI | (Intercept) | 1 | 61 | **<0.001** | 5,230.481 |
| %BSI | site | 4 | 61 | 0.288 | 1.279 |
| %BSI | year | 1 | 61 | 0.883 | 0.022 |
| %BSI | site:year | 4 | 61 | 0.788 | 0.428 |
| SLA | (Intercept) | 1 | 70 | **<0.001** | 1,154.996 |
| SLA | site | 4 | 70 | **0.002** | 4.689 |
| SLA | year | 1 | 70 | 0.643 | 0.217 |
| SLA | site:year | 4 | 70 | 0.818 | 0.386 |