**Table S2.** Analysis of variance (ANOVA) of *Ilex paraguariensis* compounds.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 5-Caffeoylquinic acid (mg g-1) | | | | | |
|  | Degrees of freedom | Sum of Squares | Mean Square | F-value | Pr (>F) |
| Genotype | 7 | 3644 | 520.6 | 103.77 | < 2-6 |
| Season | 3 | 9108 | 3036.2 | 605.19 | < 2-6 |
| Genotype x Season | 21 | 3970 | 189.1 | 37.69 | < 2-6 |
| Error | 64 | 321 | 5.0 |  |  |
| Caffeine (mg g-1) | | | | | |
| Genotype | 7 | 7072 | 1010.2 | 2063.51 | < 2-6 |
| Season | 3 | 258 | 85.9 | 175.38 | < 2-6 |
| Genotype x Season | 21 | 808 | 38.5 | 78.61 | < 2-6 |
| Error | 64 | 31 | 0.5 |  |  |