**Table 5: Generalized linear mixed models (GLMMs) for predicting leaf herbivory and pathogen damage**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Herbivory model** | | **Pathogen damage model** | |
| **Predictors** | **Estimate** | **CI [t-statistic]** | **Estimate** | **CI [t-statistic]** |
| ***Fixed effects*** |  |  |  |  |
| Intercept | -0.33 | (-2.20 - 1.55 ) [-0.345] | **-2.83 \*\*\*** | **(-3.73 - -1.93 ) [-6.19]** |
| Thickness | **-0.01 \*\*** | **(-0.01 - -0.00 ) [-3.16]** | -0.00 | (-0.00 - 0.00 ) [-0.00] |
| LMA | **823.60 \*\*** | **(210.42 - 1436.79 ) [2.65]** | 225.62 | (-156.56 - 607.79 ) [1.16] |
| Endophyte load (E+) | **-0.75 \*\*\*** | **(-0.99 - -0.51 ) [-6.18]** |  |  |
| ***Random effects*** |  |  |  |  |
| Intercept | 1.76 |  | 0.99 |  |
| Observations (residuals) | 1.30 |  | 0.74 |  |
| *A. membranacea* | 1.15 |  | 0.41 |  |
| *C. cainito* | -1.66 |  | -0.53 |  |
| *C. alliodora* | 1.17 |  | 0.22 |  |
| *Dipteryx* sp. | -0.97 |  | 0.43 |  |
| *H. concinna* | -1.88 |  | -0.44 |  |
| *L. panamensis* | 1.97 |  | 0.13 |  |
| *T. cacao* | 0.22 |  | -0.21 |  |
| N | 210 |  | 382 |  |
| logLik | -298.57 |  | -443.51 |  |
| AIC | 623.15 |  | 903.03 |  |
| Significance levels are represented by asterisks [*p* < .05 (\*), *p* < .01 (\*\*), *p* < .001 (\*\*\*), and *p* < .0001 (\*\*\*\*)]. T-statistics in brackets.3 | | | | |