Supplementary file A3.

**A**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model | Description |  | AIC | BIC | DHARMa residual diagnostics |
| M0  | non-tree cover + Deer + non-tree cover\*Deer + (1| location/plot) |  | -2.6 | 0.8 | NS |
| M1 | non-tree cover + Deer + (1| location/plot) |  | -3.0 | -0.05 | \*\* |
| M2 | non-tree cover + Deer + (1| plot) |  | -5.0 | -2.5 | NS |
| M3 | non-tree cover + Deer + non-tree cover\*Deer + (1| plot) |  | -4.6 | -1.7 | \*\* |

**B**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fixed variable |  | Estimate | SE | p |
| Intercept (Tree cover) |  |  1.86 | 0.50 |  |
| Non-tree species cover (%) |  | -2.05 | 1.33 |  0.12 |
| Deer presence (0 or 1) |  | -2.12 | 0.56 | <0.01\* |