**Table S4.** Simplification of Generalized Mixed Models (GLMM) and Akaike Criterion (AIC).

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|  | **Density of logged trees** | **AIC** |
| M1 | glmer (density ~ age + dist\_trail + dist\_edge + total\_biomass + total\_density + spp\_richness\_total + declivity + (1 | plot) + (1 | sample.unit), family = "poisson") | 201.11 |
| M2 | glmer (density ~ age + dist\_edge + total\_biomass + total\_density + spp\_richness\_total + declivity + (1 | plot) + (1 | sample.unit), family = "poisson") | 199.11 |
| M3 | glmer (density ~ dist\_edge + total\_biomass + total\_density + spp\_richness\_total + declivity + (1 | plot) + (1 | sample.unit), family = "poisson") | 199.46 |
|  | **Richness of logged trees** |  |
| M1 | glmer (richness ~ age + dist\_trail + dist\_edge + total\_biomass + total\_density + spp\_richness\_total + declivity + (1 | plot) + (1 | sample.unit), family = "poisson" | 152.07 |
| M2 | glmer (richness ~ age + dist\_trail + dist\_edge + Total\_biomass + total\_density + declivity + (1 | plot) + (1 | sample.unit), family = "poisson") | 150.21 |
| M3 | glmer (richness ~ age + dist\_edge + total\_biomass + total\_density + declivity + (1 | plot) + (1 | sample.unit), family = "poisson") | 148.32 |
| M4 | glmer (richness ~ age + dist\_edge + total\_density + declivity + (1 | plot) + (1 | sample.unit), family = "poisson") | 147.81 |
| M5 | glmer (richness ~ age + dist\_edge + total\_density + (1 | plot) + (1 | sample.unit) , family = "poisson") | 145.90 |
| M6 | glmer (richness ~ age + dist\_edge + (1 | plot) + (1 | sample.unit), family = "poisson") | 145.47 |
|  | **Biomass of logged trees** |  |
| M1 | lmer(biomass ~ age + dist\_trail + dist\_edge + total\_biomass + total\_density + spp\_richness\_total + declivity + (1 | plot) + (1 | sample.unit)) | 643.73 |
| M2 | lmer(biomass ~ dist\_trail + dist\_edge + total\_biomass + total\_density + spp\_richness\_total + declivity + (1 | plot) + (1 | sample.unit)) | 644.50 |

Variable meanings: dist\_edge – distance to the nearest edge; dist\_trail – distance to the nearest trail; total\_biomass – biomass of living trees; total\_density – total density of living trees; spp\_richness\_total – species richness of living trees; MF – Mature Forest; LSF – Late Secondary Forest; ESF – Early Secondary Forest.