Table S1:Description of models to evaluate the probability of seed removal, consumption, dispersal, and burial as a function of the *Joannesia princeps* density at Rio Doce State Park. R = Considering only removed seeds; T = Considering all experimental seeds. In all models (except A) lost seeds were excluded from the analyses.

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| Models | Description |
| A) Removed (1) – Non-removed (0) | Removed: seeds found consumed, on the soil surface, buried, and lost. Non-removed: seeds without apparent fate. |
| B) Consumed (1) – Non-consumed (0) | Consumed: seeds with the endocarp destroyed without seeds inside. Non-consumed: seeds found on the soil surface, buried, and not removed. |
| C) Dispersed (1) – Non-dispersed (0)**R** | Dispersed: seeds found on the soil surface and buried. Non-dispersed: seeds that were not dispersed concerning **removed seeds** (ie, only seeds consumed). |
| D) Dispersed (1) – Non-dispersed (0)**T** | Dispersed: seeds found on the soil surface and buried. Non-dispersed: seeds that were not dispersed concerning **all experimental seeds** (ie, seeds consumed and not removed). |
| E) Buried (1) – Non-buried (0)**R** | Buried: only buried seeds. Non-buried: seeds that were not buried concerning **removed seeds** (ie, seeds consumed and on the soil surface). |
| F) Buried (1) – Non-buried (0)**T** | Buried: only buried seeds. Non-buried: seeds that were not buried concerning **all experimental seeds** (ie, seeds consumed, on the soil surface, and not removed). |