Model specifications

Most models were fitted using either a normal or log-normal distribution, except for vessel density, vessel fraction, and pit fraction. Given that vessel density is a count-based trait, it was modeled using a generalized linear mixed model (GLMM) with a negative binomial distribution instead of a Poisson distribution to account for overdispersion. Bothoth fraction-based traits (vessel fraction and pit fraction) were modeled using GLMMs with a beta distribution and a logit link function, ensuring appropriate handling of their continuous, bounded nature.

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| **Vessel Diameter - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 71.51 \*\*\* | 53.58 – 89.45 | **<0.001** | 59.50 \*\*\* | 37.07 – 81.93 | **<0.001** |
| Host |  |  |  | 24.04 | -15.59 – 63.67 | 0.188 |
| **Random Effects** | | | | | | |
| σ2 | 699.49 | | | 699.50 | | |
| τ00 | 24.65 indiv | | | 21.52 indiv | | |
|  | 13.53 ssp | | | 13.53 ssp | | |
| ICC | 0.05 | | | 0.05 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 24392 | | | 24392 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.052 | | | 0.162 / 0.202 | | |
| AIC | 210557.900 | | | 210557.952 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Vessel Diameter - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | | |  | | | | | | | |  | **Null Model** | | | **Full Model** | | | | *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* | | Intercept | 100.28 \*\*\* | 88.91 – 111.65 | **<0.001** | 88.40 \*\*\* | 80.03 – 96.76 | **<0.001** | | Species Effect |  |  |  | 24.17 \* | 7.19 – 41.14 | **0.017** | | **Random Effects** | | | | | | | | σ2 | 699.49 | | |  | | | | τ00 | 199.36 indiv | | |  | | | | ICC | 0.22 | | |  | | | | N | 6 indiv | | | 6 indiv | | | | Observations | 4253 | | | 4253 | | | | Marginal R2 / Conditional R2 | 0.000 / 0.222 | | | NA | | | | AIC | 41593.219 | | | 41587.658 | | | | *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | | | | | | | | |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Vessel Diameter - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | | |  | **Null Model** | | | **Full Model** | | | | *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* | | Intercept | 77.23 \*\*\* | 63.38 – 91.09 | **<0.001** | 66.62 \*\*\* | 51.17 – 82.07 | **<0.001** | | Species Effect |  |  |  | 21.25 | -9.71 – 52.20 | 0.129 | | **Random Effects** | | | | | | | | σ2 | 269.63 | | |  | | | | τ00 | 298.90 indiv | | |  | | | | ICC | 0.53 | | |  | | | | N | 6 indiv | | | 6 indiv | | | | Observations | 5882 | | | 5882 | | | | Marginal R2 / Conditional R2 | 0.000 / 0.526 | | | NA | | | | AIC | 55717.262 | | | 55716.425 | | | | *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | | | | | | | | |

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| **Vessel Diameter - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 71.33 \*\*\* | 52.56 – 90.10 | **<0.001** | 54.24 \*\*\* | 36.55 – 71.93 | **<0.001** |
| Species Effect |  |  |  | 34.45 | -1.29 – 70.20 | 0.055 |
| **Random Effects** | | | | | | |
| σ2 | 236.21 | | |  | | |
| τ00 | 545.05 indiv | | |  | | |
| ICC | 0.70 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 3302 | | | 3302 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.698 | | | NA | | |
| AIC | 30144.562 | | | 30141.879 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |
| **Vessel Diameter - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 37.05 \*\*\* | 30.06 – 44.05 | **<0.001** | 28.76 \*\*\* | 25.68 – 31.84 | **<0.001** |
| Species Effect |  |  |  | 16.61 \*\* | 10.42 – 22.80 | **0.002** |
| **Random Effects** | | | | | | |
| σ2 | 255.26 | | |  | | |
| τ00 | 76.34 indiv | | |  | | |
| ICC | 0.23 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 10955 | | | 10955 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.230 | | | NA | | |
| AIC | 83098.181 | | | 83086.245 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **log Top 10% Vessel Diameter - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 4.63 \*\*\* | 4.31 – 4.96 | **<0.001** | 4.36 \*\*\* | 3.99 – 4.73 | **<0.001** |
| Host |  |  |  | 0.55 \* | 0.02 – 1.08 | **0.041** |
| **Random Effects** | | | | | | |
| σ2 | 67.58 | | | 67.58 | | |
| τ00 | 0.01 indiv:ssp | | | 0.01 indiv:ssp | | |
|  | 0.22 ssp | | | 0.14 ssp | | |
| ICC | 0.00 | | | 0.00 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 2450 | | | 2450 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.003 | | | 0.001 / 0.003 | | |
| AIC | 17328.685 | | | 17327.329 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **log Top Vessel Diameter - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 5.00 \*\*\* | 4.86 – 5.15 | **<0.001** | 4.83 \*\*\* | 4.78 – 4.88 | **<0.001** |
| Species Effect |  |  |  | 0.35 \*\*\* | 0.28 – 0.42 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 89.45 | | | 89.45 | | |
| τ00 | 0.03 indiv | | | 0.00 indiv | | |
| ICC | 0.00 | | | 0.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 428 | | | 428 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.000 | | | 0.000 / 0.000 | | |
| AIC | 3177.525 | | | 3162.522 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **log Top Vessel Diameter - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 4.72 \*\*\* | 4.53 – 4.92 | **<0.001** | 4.52 \*\*\* | 4.37 – 4.67 | **<0.001** |
| Species Effect |  |  |  | 0.40 \*\*\* | 0.19 – 0.62 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 73.97 | | | 73.97 | | |
| τ00 | 0.06 indiv | | | 0.02 indiv | | |
| ICC | 0.00 | | | 0.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 590 | | | 590 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.001 | | | 0.000 / 0.001 | | |
| AIC | 4253.746 | | | 4248.681 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **log Top Vessel Diameter - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 4.80 \*\*\* | 4.45 – 5.15 | **<0.001** | 4.38 \*\*\* | 4.25 – 4.52 | **<0.001** |
| Species Effect |  |  |  | 0.84 \*\*\* | 0.65 – 1.03 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 170.67 | | | 170.57 | | |
| τ00 | 0.19 indiv | | | 0.01 indiv | | |
| ICC | 0.00 | | | 0.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 333 | | | 333 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.001 | | | 0.001 / 0.001 | | |
| AIC | 2680.672 | | | 2667.196 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **log Top Vessel Diameter - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 4.00 \*\*\* | 3.75 – 4.25 | **<0.001** | 3.69 \*\*\* | 3.66 – 3.72 | **<0.001** |
| Species Effect |  |  |  | 0.62 \*\*\* | 0.57 – 0.66 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 24.03 | | | 24.03 | | |
| τ00 | 0.10 indiv | | | 0.00 indiv | | |
| ICC | 0.00 | | | 0.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 1099 | | | 1099 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.004 | | | 0.004 / 0.004 | | |
| AIC | 6638.405 | | | 6611.253 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Hydraulic Diameter - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 83.94 \*\*\* | 60.31 – 107.56 | **<0.001** | 64.76 \*\*\* | 37.25 – 92.27 | **<0.001** |
| Host |  |  |  | 38.39 | -10.00 – 86.79 | 0.101 |
| **Random Effects** | | | | | | |
| σ2 | 24.56 | | | 24.56 | | |
| τ00 | 32.92 indiv | | | 26.76 indiv | | |
|  | 13.77 ssp | | | 13.77 ssp | | |
| ICC | 0.66 | | | 0.62 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 248 | | | 248 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.655 | | | 0.850 / 0.944 | | |
| AIC | 1723.005 | | | 1721.912 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Hydraulic Diameter - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 113.12 \*\*\* | 98.77 – 127.48 | **<0.001** | 97.57 \*\*\* | 92.17 – 102.97 | **<0.001** |
| Species Effect |  |  |  | 32.51 \*\* | 19.27 – 45.75 | **0.003** |
| **Random Effects** | | | | | | |
| σ2 | 24.58 | | |  | | |
| τ00 | 294.50 indiv | | |  | | |
| ICC | 0.92 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 62 | | | 62 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.923 | | | NA | | |
| AIC | 478.092 | | | 467.889 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Hydraulic Diameter - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 86.41 \*\*\* | 69.09 – 103.73 | **<0.001** | 71.75 \*\*\* | 54.42 – 89.07 | **<0.001** |
| Species Effect |  |  |  | 29.54 | -4.68 – 63.76 | 0.078 |
| **Random Effects** | | | | | | |
| σ2 | 12.26 | | |  | | |
| τ00 | 444.64 indiv | | |  | | |
| ICC | 0.97 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 63 | | | 63 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.973 | | | NA | | |
| AIC | 429.605 | | | 427.595 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Hydraulic Diameter - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 93.89 \*\*\* | 62.03 – 125.74 | **<0.001** | 59.31 \*\*\* | 40.69 – 77.92 | **<0.001** |
| Species Effect |  |  |  | 69.79 \*\* | 32.34 – 107.25 | **0.007** |
| **Random Effects** | | | | | | |
| σ2 | 15.40 | | |  | | |
| τ00 | 1500.55 indiv | | |  | | |
| ICC | 0.99 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 61 | | | 61 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.990 | | | NA | | |
| AIC | 472.776 | | | 464.808 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Hydraulic Diameter - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 41.45 \*\*\* | 32.27 – 50.63 | **<0.001** | 30.45 \*\*\* | 29.33 – 31.56 | **<0.001** |
| Species Effect |  |  |  | 22.31 \*\*\* | 18.87 – 25.76 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 30.54 | | |  | | |
| τ00 | 124.39 indiv | | |  | | |
| ICC | 0.80 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 62 | | | 62 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.803 | | | NA | | |
| AIC | 343.063 | | | 319.742 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Density - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Incidence Rate Ratios* | *CI* | *p* | *Incidence Rate Ratios* | *CI* | *p* |
| Parasitism | 52.91 \*\*\* | 30.38 – 92.14 | **<0.001** | 53.36 \*\*\* | 24.35 – 116.92 | **<0.001** |
| Host |  |  |  | 0.98 | 0.32 – 2.98 | 0.976 |
| **Random Effects** | | | | | | |
| σ2 | 0.05 | | | 0.05 | | |
| τ00 | 0.05 indiv:ssp | | | 0.05 indiv:ssp | | |
|  | 0.62 ssp | | | 0.62 ssp | | |
| ICC | 0.93 | | | 0.93 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 248 | | | 248 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.928 | | | 0.000 / 0.928 | | |
| AIC | 2062.963 | | | 2064.962 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Density - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Incidence Rate Ratios* | *CI* | *p* | *Incidence Rate Ratios* | *CI* | *p* |
| Intercept | 18.21 \*\*\* | 16.36 – 20.28 | **<0.001** | 18.15 \*\*\* | 15.59 – 21.14 | **<0.001** |
| Species Effect |  |  |  | 1.01 | 0.81 – 1.25 | 0.953 |
| **Random Effects** | | | | | | |
| σ2 | 0.06 | | | 0.06 | | |
| τ00 | 0.01 indiv | | | 0.01 indiv | | |
| ICC | 0.17 | | | 0.17 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 62 | | | 62 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.170 | | | 0.000 / 0.171 | | |
| AIC | 373.121 | | | 375.118 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Density - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Incidence Rate Ratios* | *CI* | *p* | *Incidence Rate Ratios* | *CI* | *p* |
| Intercept | 51.03 \*\*\* | 38.54 – 67.57 | **<0.001** | 42.29 \*\*\* | 30.25 – 59.13 | **<0.001** |
| Species Effect |  |  |  | 1.46 | 0.91 – 2.34 | 0.119 |
| **Random Effects** | | | | | | |
| σ2 | 0.05 | | | 0.05 | | |
| τ00 | 0.12 indiv | | | 0.08 indiv | | |
| ICC | 0.71 | | | 0.63 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 63 | | | 63 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.711 | | | 0.216 / 0.712 | | |
| AIC | 504.061 | | | 504.029 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Density - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Incidence Rate Ratios* | *CI* | *p* | *Incidence Rate Ratios* | *CI* | *p* |
| Intercept | 50.77 \*\*\* | 39.52 – 65.22 | **<0.001** | 66.31 \*\*\* | 54.98 – 79.98 | **<0.001** |
| Species Effect |  |  |  | 0.59 \*\*\* | 0.45 – 0.76 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.10 | | | 0.10 | | |
| τ00 | 0.09 indiv | | | 0.02 indiv | | |
| ICC | 0.46 | | | 0.14 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 61 | | | 61 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.462 | | | 0.380 / 0.468 | | |
| AIC | 532.526 | | | 526.875 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Density - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Incidence Rate Ratios* | *CI* | *p* | *Incidence Rate Ratios* | *CI* | *p* |
| Intercept | 166.26 \*\*\* | 150.04 – 184.22 | **<0.001** | 159.85 \*\*\* | 139.28 – 183.46 | **<0.001** |
| Species Effect |  |  |  | 1.08 | 0.89 – 1.31 | 0.428 |
| **Random Effects** | | | | | | |
| σ2 | 0.03 | | | 0.03 | | |
| τ00 | 0.01 indiv | | | 0.01 indiv | | |
| ICC | 0.28 | | | 0.26 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 62 | | | 62 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.282 | | | 0.034 / 0.281 | | |
| AIC | 615.768 | | | 617.175 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Fraction - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 0.09 \*\*\* | 0.06 – 0.13 | **<0.001** | 0.06 \*\*\* | 0.05 – 0.07 | **<0.001** |
| Host |  |  |  | 2.51 \*\*\* | 1.77 – 3.56 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.09 indiv:ssp | | | 0.09 indiv:ssp | | |
|  | 0.24 ssp | | | 0.03 ssp | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 248 | | | 248 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.633 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Fraction - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 0.07 \*\*\* | 0.06 – 0.09 | **<0.001** | 0.05 \*\*\* | 0.05 – 0.06 | **<0.001** |
| Species Effect |  |  |  | 1.66 \*\*\* | 1.32 – 2.10 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.08 indiv | | | 0.01 indiv | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 62 | | | 62 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.817 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Fraction - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 0.11 \*\*\* | 0.08 – 0.17 | **<0.001** | 0.07 \*\*\* | 0.06 – 0.08 | **<0.001** |
| Species Effect |  |  |  | 2.62 \*\*\* | 2.10 – 3.27 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.25 indiv | | | 0.02 indiv | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 63 | | | 63 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.940 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |
|  | | | | | | |
| **Vessel Fraction - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 0.11 \*\*\* | 0.07 – 0.18 | **<0.001** | 0.07 \*\*\* | 0.05 – 0.11 | **<0.001** |
| Species Effect |  |  |  | 2.54 \*\* | 1.40 – 4.60 | **0.002** |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.35 indiv | | | 0.13 indiv | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 61 | | | 61 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.626 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |
|  | | | | | | |
| **Vessel Fraction - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 0.08 \*\*\* | 0.05 – 0.14 | **<0.001** | 0.04 \*\*\* | 0.03 – 0.06 | **<0.001** |
| Species Effect |  |  |  | 3.62 \*\*\* | 2.28 – 5.75 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.49 indiv | | | 0.08 indiv | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 62 | | | 62 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.841 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Kmax - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 42.60 \*\*\* | 17.74 – 102.32 | **<0.001** | 16.59 \*\*\* | 7.27 – 37.85 | **<0.001** |
| Host |  |  |  | 6.60 \*\* | 2.05 – 21.20 | **0.002** |
| **Random Effects** | | | | | | |
| σ2 | 0.09 | | | 0.09 | | |
| τ00 | 0.21 indiv:ssp | | | 0.21 indiv:ssp | | |
|  | 1.53 ssp | | | 0.64 ssp | | |
| ICC | 0.95 | | | 0.90 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 248 | | | 248 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.949 | | | 0.488 / 0.949 | | |
| AIC | 2075.999 | | | 2071.491 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Kmax - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 71.55 \*\*\* | 44.12 – 116.05 | **<0.001** | 40.34 \*\*\* | 32.37 – 50.26 | **<0.001** |
| Species Effect |  |  |  | 3.16 \*\*\* | 2.31 – 4.31 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.10 | | | 0.10 | | |
| τ00 | 0.35 indiv | | | 0.03 indiv | | |
| ICC | 0.77 | | | 0.21 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 62 | | | 62 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.774 | | | 0.720 / 0.778 | | |
| AIC | 591.710 | | | 579.994 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Kmax - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 62.91 \*\*\* | 30.04 – 131.72 | **<0.001** | 27.32 \*\*\* | 17.37 – 42.95 | **<0.001** |
| Species Effect |  |  |  | 5.29 \*\*\* | 2.79 – 10.05 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.07 | | | 0.07 | | |
| τ00 | 0.85 indiv | | | 0.15 indiv | | |
| ICC | 0.92 | | | 0.68 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 63 | | | 63 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.920 | | | 0.757 / 0.921 | | |
| AIC | 563.963 | | | 555.933 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Kmax - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 68.76 \*\*\* | 23.38 – 202.23 | **<0.001** | 20.26 \*\*\* | 10.63 – 38.62 | **<0.001** |
| Species Effect |  |  |  | 11.51 \*\*\* | 4.63 – 28.67 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.11 | | | 0.11 | | |
| τ00 | 1.81 indiv | | | 0.31 indiv | | |
| ICC | 0.94 | | | 0.74 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 61 | | | 61 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.943 | | | 0.782 / 0.943 | | |
| AIC | 591.375 | | | 583.043 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Kmax - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 10.65 \*\*\* | 4.17 – 27.22 | **<0.001** | 3.39 \*\*\* | 2.55 – 4.50 | **<0.001** |
| Species Effect |  |  |  | 9.90 \*\*\* | 6.62 – 14.82 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.08 | | | 0.08 | | |
| τ00 | 1.37 indiv | | | 0.05 indiv | | |
| ICC | 0.94 | | | 0.39 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 62 | | | 62 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.942 | | | 0.906 / 0.943 | | |
| AIC | 351.893 | | | 335.396 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Wall Thickness - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 4.02 \*\*\* | 3.27 – 4.76 | **<0.001** | 4.17 \*\*\* | 3.13 – 5.21 | **<0.001** |
| Host |  |  |  | -0.31 | -2.15 – 1.52 | 0.693 |
| **Random Effects** | | | | | | |
| σ2 | 0.65 | | | 0.65 | | |
| τ00 | 1.04 indiv | | | 1.02 indiv | | |
|  | 0.44 ssp | | | 0.44 ssp | | |
| ICC | 0.70 | | | 0.69 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 720 | | | 720 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.696 | | | 0.011 / 0.698 | | |
| AIC | 1758.925 | | | 1760.755 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Wall Thickness - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 4.55 \*\*\* | 4.17 – 4.93 | **<0.001** | 4.27 \*\*\* | 3.88 – 4.65 | **<0.001** |
| Species Effect |  |  |  | 0.60 | -0.20 – 1.40 | 0.108 |
| **Random Effects** | | | | | | |
| σ2 | 0.65 | | |  | | |
| τ00 | 0.19 indiv | | |  | | |
| ICC | 0.23 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 180 | | | 180 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.228 | | | NA | | |
| AIC | 512.466 | | | 511.297 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Wall Thickness - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 4.08 \*\*\* | 3.81 – 4.35 | **<0.001** | 3.99 \*\*\* | 3.64 – 4.34 | **<0.001** |
| Species Effect |  |  |  | 0.19 | -0.52 – 0.91 | 0.497 |
| **Random Effects** | | | | | | |
| σ2 | 0.35 | | |  | | |
| τ00 | 0.09 indiv | | |  | | |
| ICC | 0.21 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 180 | | | 180 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.214 | | | NA | | |
| AIC | 396.652 | | | 398.116 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |
| **Vessel Wall Thickness - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 4.70 \*\*\* | 4.28 – 5.12 | **<0.001** | 4.41 \*\*\* | 3.95 – 4.86 | **<0.001** |
| Species Effect |  |  |  | 0.65 | -0.32 – 1.62 | 0.138 |
| **Random Effects** | | | | | | |
| σ2 | 0.56 | | |  | | |
| τ00 | 0.23 indiv | | |  | | |
| ICC | 0.29 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 180 | | | 180 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.288 | | | NA | | |
| AIC | 545.786 | | | 544.945 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Vessel Wall Thickness - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 2.68 \*\*\* | 1.56 – 3.81 | **<0.001** | 4.02 \*\*\* | 3.51 – 4.53 | **<0.001** |
| Species Effect |  |  |  | -2.66 \*\* | -3.64 – -1.68 | **0.002** |
| **Random Effects** | | | | | | |
| σ2 | 0.08 | | |  | | |
| τ00 | 1.94 indiv | | |  | | |
| ICC | 0.96 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 180 | | | 180 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.962 | | | NA | | |
| AIC | 297.415 | | | 285.271 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Pit Fraction - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 1.68 \*\* | 1.15 – 2.45 | **0.008** | 1.31 | 0.81 – 2.11 | 0.270 |
| Host |  |  |  | 1.64 | 0.83 – 3.22 | 0.154 |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.05 indiv:ssp | | | 0.05 indiv:ssp | | |
|  | 0.28 ssp | | | 0.22 ssp | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 252 | | | 252 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.185 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Pit Fraction - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 2.02 \*\*\* | 1.63 – 2.50 | **<0.001** | 2.51 \*\*\* | 2.08 – 3.02 | **<0.001** |
| Species Effect |  |  |  | 0.65 \*\*\* | 0.51 – 0.84 | **0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.06 indiv | | | 0.01 indiv | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 63 | | | 63 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.833 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |
| **Pit Fraction - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 2.22 \*\*\* | 1.82 – 2.72 | **<0.001** | 2.00 \*\*\* | 1.55 – 2.59 | **<0.001** |
| Species Effect |  |  |  | 1.23 | 0.85 – 1.77 | 0.264 |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.06 indiv | | | 0.05 indiv | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 64 | | | 64 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.194 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Pit Fraction - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 1.62 \*\*\* | 1.27 – 2.05 | **<0.001** | 1.30 \* | 1.03 – 1.63 | **0.027** |
| Species Effect |  |  |  | 1.56 \*\* | 1.12 – 2.15 | **0.008** |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.08 indiv | | | 0.03 indiv | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 59 | | | 59 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.635 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Pit Fraction - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 1.07 | 0.52 – 2.23 | 0.850 | 0.44 \*\*\* | 0.35 – 0.55 | **<0.001** |
| Species Effect |  |  |  | 5.95 \*\*\* | 4.34 – 8.15 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.00 | | | 0.00 | | |
| τ00 | 0.83 indiv | | | 0.03 indiv | | |
| ICC | 1.00 | | | 1.00 | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 66 | | | 66 | | |
| Marginal R2 / Conditional R2 | 0.000 / 1.000 | | | 0.959 / 1.000 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Pit Diameter - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 6.50 \*\*\* | 5.26 – 7.73 | **<0.001** | 5.66 \*\*\* | 4.12 – 7.19 | **<0.001** |
| Host |  |  |  | 1.68 | -1.03 – 4.40 | 0.180 |
| **Random Effects** | | | | | | |
| σ2 | 1.08 | | | 1.08 | | |
| τ00 | 1.74 indiv | | | 1.52 indiv | | |
|  | 0.67 ssp | | | 0.67 ssp | | |
| ICC | 0.69 | | | 0.67 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 1199 | | | 1199 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.691 | | | 0.178 / 0.729 | | |
| AIC | 3143.050 | | | 3143.028 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **PitDiameter - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 8.03 \*\*\* | 6.84 – 9.21 | **<0.001** | 9.38 \*\*\* | 8.73 – 10.04 | **<0.001** |
| Species Effect |  |  |  | -2.71 \*\* | -4.02 – -1.40 | **0.005** |
| **Random Effects** | | | | | | |
| σ2 | 1.18 | | |  | | |
| τ00 | 2.15 indiv | | |  | | |
| ICC | 0.65 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 300 | | | 300 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.646 | | | NA | | |
| AIC | 922.100 | | | 912.847 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **PitDiameter - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 5.90 \*\*\* | 4.56 – 7.24 | **<0.001** | 4.39 \*\*\* | 3.60 – 5.18 | **<0.001** |
| Species Effect |  |  |  | 3.03 \*\* | 1.43 – 4.62 | **0.006** |
| **Random Effects** | | | | | | |
| σ2 | 0.25 | | |  | | |
| τ00 | 2.78 indiv | | |  | | |
| ICC | 0.92 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 299 | | | 299 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.918 | | | NA | | |
| AIC | 727.385 | | | 719.080 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **PitDiameter - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 6.34 \*\*\* | 5.24 – 7.43 | **<0.001** | 5.10 \*\*\* | 4.48 – 5.71 | **<0.001** |
| Species Effect |  |  |  | 2.49 \*\* | 1.26 – 3.72 | **0.005** |
| **Random Effects** | | | | | | |
| σ2 | 0.38 | | |  | | |
| τ00 | 1.84 indiv | | |  | | |
| ICC | 0.83 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 300 | | | 300 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.828 | | | NA | | |
| AIC | 718.105 | | | 709.171 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **PitDiameter - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 5.75 \*\*\* | 4.14 – 7.36 | **<0.001** | 3.79 \*\*\* | 3.35 – 4.23 | **<0.001** |
| Species Effect |  |  |  | 3.92 \*\*\* | 3.02 – 4.82 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 1.10 | | |  | | |
| τ00 | 3.99 indiv | | |  | | |
| ICC | 0.78 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 300 | | | 300 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.784 | | | NA | | |
| AIC | 820.759 | | | 803.453 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **Pit Opening - Parasites vs Hosts** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Parasitism | 3.07 \*\*\* | 2.46 – 3.67 | **<0.001** | 2.47 \*\*\* | 1.85 – 3.09 | **<0.001** |
| Host |  |  |  | 1.19 \* | 0.10 – 2.29 | **0.038** |
| **Random Effects** | | | | | | |
| σ2 | 0.47 | | | 0.47 | | |
| τ00 | 0.83 indiv | | | 0.58 indiv | | |
|  | 0.42 ssp | | | 0.42 ssp | | |
| ICC | 0.73 | | | 0.68 | | |
| N | 24 indiv | | | 24 indiv | | |
|  | 8 ssp | | | 8 ssp | | |
| Observations | 1200 | | | 1200 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.727 | | | 0.195 / 0.743 | | |
| AIC | 2642.931 | | | 2639.863 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **PitOpening - Psittacanthus robustus vs Vochysia thyrsoidea** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 3.55 \*\*\* | 2.88 – 4.22 | **<0.001** | 2.91 \*\*\* | 2.31 – 3.51 | **<0.001** |
| Species Effect |  |  |  | 1.29 \* | 0.09 – 2.48 | **0.041** |
| **Random Effects** | | | | | | |
| σ2 | 0.47 | | |  | | |
| τ00 | 0.68 indiv | | |  | | |
| ICC | 0.59 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 300 | | | 300 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.591 | | | NA | | |
| AIC | 705.132 | | | 701.653 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **PitOpening - Phoradendron perrotettii vs Tapirira guianensis** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 3.41 \*\*\* | 3.13 – 3.69 | **<0.001** | 3.26 \*\*\* | 2.91 – 3.61 | **<0.001** |
| Species Effect |  |  |  | 0.30 | -0.40 – 1.01 | 0.300 |
| **Random Effects** | | | | | | |
| σ2 | 0.41 | | |  | | |
| τ00 | 0.11 indiv | | |  | | |
| ICC | 0.21 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 300 | | | 300 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.211 | | | NA | | |
| AIC | 697.235 | | | 697.956 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **PitOpening - Struthanthus rhynchophyllus vs Tipuana tipu** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 3.17 \*\*\* | 2.36 – 3.98 | **<0.001** | 2.19 \*\*\* | 1.97 – 2.41 | **<0.001** |
| Species Effect |  |  |  | 1.97 \*\*\* | 1.49 – 2.45 | **<0.001** |
| **Random Effects** | | | | | | |
| σ2 | 0.23 | | |  | | |
| τ00 | 1.01 indiv | | |  | | |
| ICC | 0.81 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 300 | | | 300 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.813 | | | NA | | |
| AIC | 659.040 | | | 642.892 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |

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| **PitOpening - Viscum album vs Populus nigra** | | | | | | |
|  | **Null Model** | | | **Full Model** | | |
| *Predictors* | *Estimates* | *CI* | *p* | *Estimates* | *CI* | *p* |
| Intercept | 2.12 \*\*\* | 1.59 – 2.65 | **<0.001** | 1.52 \*\*\* | 1.23 – 1.81 | **<0.001** |
| Species Effect |  |  |  | 1.21 \*\* | 0.61 – 1.80 | **0.005** |
| **Random Effects** | | | | | | |
| σ2 | 0.64 | | |  | | |
| τ00 | 0.43 indiv | | |  | | |
| ICC | 0.40 | | |  | | |
| N | 6 indiv | | | 6 indiv | | |
| Observations | 300 | | | 300 | | |
| Marginal R2 / Conditional R2 | 0.000 / 0.399 | | | NA | | |
| AIC | 589.397 | | | 580.483 | | |
| *\* p<0.05   \*\* p<0.01   \*\*\* p<0.001* | | | | | | |