|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Leaf Mass Fraction** | | | **Stem Mass Fraction** | | | **Root Mass Fraction** | | |
| *Predictors* | *std. Beta* | *std. SE* | *std. p* | *std. Beta* | *std. SE* | *std. p* | *std. Beta* | *std. SE* | *std. p* |
| (Intercept) | -0.624 | 0.106 | **<0.001** | 0.304 | 0.089 | **0.001** | 0.330 | 0.132 | **0.012** |
| ln(Tree height) | -0.272 | 0.059 | **<0.001** | 0.729 | 0.034 | **<0.001** | -0.618 | 0.051 | **<0.001** |
| Leaf habit [evergreen] | 0.594 | 0.127 | **<0.001** | -0.281 | 0.106 | **0.008** | -0.395 | 0.157 | **0.012** |
| Mycorrhizal group [ECM] | 0.205 | 0.122 | 0.093 | 0.043 | 0.101 | 0.667 | -0.322 | 0.149 | **0.030** |
| Mean annual temperature | 0.465 | 0.081 | **<0.001** | -0.121 | 0.068 | 0.074 | -0.269 | 0.101 | **0.008** |
| Mean annual precipitation | -0.267 | 0.076 | **<0.001** | 0.192 | 0.065 | **0.003** | 0.048 | 0.096 | 0.618 |
| ln(Tree height) \* Leaf habit [evergreen] | -0.276 | 0.053 | **<0.001** | -0.086 | 0.049 | 0.082 | 0.389 | 0.074 | **<0.001** |
| ln(Tree height) \* Mycorrhizal group [ECM] | -0.191 | 0.060 | **0.001** |  |  |  |  |  |  |
| **Random Effects** | | | | | | | | | |
| σ2 | 0.003 | | | 0.006 | | | 0.006 | | |
| τ00 | 0.004 study\*species | | | 0.005 study\*species | | | 0.004 study\*species | | |
| ICC | 0.547 | | | 0.456 | | | 0.439 | | |
| N | 81 study\*species | | | 81 study\*species | | | 81 study\*species | | |
| Observations | 1432 | | | 1432 | | | 1432 | | |
| Marginal R2 / Conditional R2 | 0.616 / 0.826 | | | 0.595 / 0.780 | | | 0.278 / 0.594 | | |