Model selection based on AICc:

K AICc Delta\_AICc AICcWt Cum.Wt LL

model2 9 1065.41 0.00 0.73 0.73 -523.38

model1 10 1067.44 2.03 0.27 1.00 -523.26

> semPaths(lvmod.2.fit, what = 'std', layout = 'tree', residuals = FALSE,

+ edge.label.cex = 1)

> summary(lvmod.2.fit, rsq=T, standardized=T,fit.measures = TRUE)

lavaan 0.6.16 ended normally after 1 iteration

Estimator ML

Optimization method NLMINB

Number of model parameters 9

Number of observations 97

Model Test User Model:

Test statistic 0.241

Degrees of freedom 1

P-value (Chi-square) 0.624

Model Test Baseline Model:

Test statistic 50.564

Degrees of freedom 6

P-value 0.000

User Model versus Baseline Model:

Comparative Fit Index (CFI) 1.000

Tucker-Lewis Index (TLI) 1.102

Loglikelihood and Information Criteria:

Loglikelihood user model (H0) -523.376

Loglikelihood unrestricted model (H1) -523.256

Akaike (AIC) 1064.752

Bayesian (BIC) 1087.924

Sample-size adjusted Bayesian (SABIC) 1059.506

Root Mean Square Error of Approximation:

RMSEA 0.000

90 Percent confidence interval - lower 0.000

90 Percent confidence interval - upper 0.212

P-value H\_0: RMSEA <= 0.050 0.663

P-value H\_0: RMSEA >= 0.080 0.283

Standardized Root Mean Square Residual:

SRMR 0.012

Parameter Estimates:

Standard errors Standard

Information Expected

Information saturated (h1) model Structured

Regressions:

Estimate Std.Err z-value P(>|z|) Std.lv Std.all

Plant.rich ~

pre.AI -0.231 0.099 -2.334 0.020 -0.231 -0.231

Plant.net ~

pre.AI 0.268 0.098 2.737 0.006 0.268 0.268

Plant.rich -0.159 0.098 -1.617 0.106 -0.159 -0.159

Veg.mass ~

Plant.rich 0.378 0.088 4.300 0.000 0.378 0.378

Plant.net 0.474 0.088 5.395 0.000 0.474 0.474

Variances:

Estimate Std.Err z-value P(>|z|) Std.lv Std.all

.Plant.rich 0.937 0.135 6.964 0.000 0.937 0.947

.Plant.net 0.874 0.126 6.964 0.000 0.874 0.883

.Veg.mass 0.704 0.101 6.964 0.000 0.704 0.712

pre.AI 0.990 0.142 6.964 0.000 0.990 1.000

R-Square:

Estimate

Plant.rich 0.053

Plant.net 0.117

Veg.mass 0.288

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