Model selection based on AICc:

K AICc Delta\_AICc AICcWt Cum.Wt LL

model2 9 1039.44 0.00 0.75 0.75 -510.41

model1 10 1041.67 2.23 0.25 1.00 -510.39

> 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 102

Model Test User Model:

Test statistic 0.034

Degrees of freedom 1

P-value (Chi-square) 0.855

Model Test Baseline Model:

Test statistic 133.051

Degrees of freedom 6

P-value 0.000

User Model versus Baseline Model:

Comparative Fit Index (CFI) 1.000

Tucker-Lewis Index (TLI) 1.046

Loglikelihood and Information Criteria:

Loglikelihood user model (H0) -510.409

Loglikelihood unrestricted model (H1) -510.392

Akaike (AIC) 1038.817

Bayesian (BIC) 1062.442

Sample-size adjusted Bayesian (SABIC) 1034.014

Root Mean Square Error of Approximation:

RMSEA 0.000

90 Percent confidence interval - lower 0.000

90 Percent confidence interval - upper 0.145

P-value H\_0: RMSEA <= 0.050 0.872

P-value H\_0: RMSEA >= 0.080 0.105

Standardized Root Mean Square Residual:

SRMR 0.003

Parameter Estimates:

Standard errors Standard

Information Expected

Information saturated (h1) model Structured

Regressions:

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

Micro.rich ~

pre.AI -0.247 0.096 -2.580 0.010 -0.247 -0.247

Micro.net ~

pre.AI 0.459 0.089 5.167 0.000 0.459 0.459

Micro.rich -0.105 0.089 -1.179 0.238 -0.105 -0.105

Micro.mass ~

pre.AI -0.871 0.070 -12.439 0.000 -0.871 -0.871

Micro.net 0.233 0.070 3.324 0.001 0.233 0.233

Variances:

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

.Micro.rich 0.930 0.130 7.141 0.000 0.930 0.939

.Micro.net 0.747 0.105 7.141 0.000 0.747 0.755

.Micro.mass 0.379 0.053 7.141 0.000 0.379 0.383

pre.AI 0.990 0.139 7.141 0.000 0.990 1.000

R-Square:

Estimate

Micro.rich 0.061

Micro.net 0.245

Micro.mass 0.617