Mplus VERSION 8.3

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02/14/2023 1:34 PM

INPUT INSTRUCTIONS

TITLE:

Parental mental health and youth antisocial behaviour

Exploratory factor analysis for antisocial behavior (ASB)

DATA:

file = "N:\no-backup\Frida og Thea\Mplus\5.dat";

VARIABLE:

names =

YAGE PAGE SIB INC ! Demographics

scl8\_01 scl8\_02 scl8\_03 scl8\_04 scl8\_05 ! Parental mental health

scl8\_06 scl8\_07 scl8\_08 ! (PMH)

cbcl002 cbcl026 cbcl028 cbcl039 cbcl043 ! Rule-breaking behaviour

cbcl063 cbcl067 cbcl072 cbcl073 cbcl081 ! (RBB)

cbcl082 cbcl090 cbcl096 cbcl099 cbcl101

cbcl105 cbcl106

cbcl003 cbcl016 cbcl019 cbcl020 cbcl021 ! Aggression

cbcl022 cbcl023 cbcl037 cbcl057 cbcl068 ! (AGG)

cbcl086 cbcl087 cbcl088 cbcl089 cbcl094

cbcl095 cbcl097 cbcl104

fes\_01 fes\_11 fes\_21 fes\_31 fes\_41 ! Family cohesion

fes\_51 fes\_61 fes\_71 fes\_81 ! (COH)

fes\_03 fes\_13 fes\_23 fes\_33 fes\_43 ! Family conflict

fes\_53 fes\_63 fes\_73 fes\_83 ! (CON)

PMH\_sum ! PMH sum score

CON\_sum ! CON sum score

COH\_sum ! COH sum score

ASB\_sum ! ASB sum score

SES ! Socioeconomic status

;

usevariables = ! ASB 35 items

cbcl002 cbcl026 cbcl028 cbcl039 cbcl043

cbcl063 cbcl067 cbcl072 cbcl073 cbcl081

cbcl082 cbcl090 cbcl096 cbcl099 cbcl101

cbcl105 cbcl106

cbcl003 cbcl016 cbcl019 cbcl020 cbcl021

cbcl022 cbcl023 cbcl037 cbcl057 cbcl068

cbcl086 cbcl087 cbcl088 cbcl089 cbcl094

cbcl095 cbcl097 cbcl104

;

categorical = ! Likert scale

cbcl002 cbcl026 cbcl028 cbcl039 cbcl043

cbcl063 cbcl067 cbcl072 cbcl073 cbcl081

cbcl082 cbcl090 cbcl096 cbcl099 cbcl101

cbcl105 cbcl106

cbcl003 cbcl016 cbcl019 cbcl020 cbcl021

cbcl022 cbcl023 cbcl037 cbcl057 cbcl068

cbcl086 cbcl087 cbcl088 cbcl089 cbcl094

cbcl095 cbcl097 cbcl104

;

missing = all (-99); ! -99 denotes missing data

ANALYSIS:

type = efa 1 6; ! Up to 6 factors?

estimator = wlsmv; ! Weighted least square

processors = 4; ! Use 4 CPU cores

OUTPUT:

modindices (all); ! Modification indices

INPUT READING TERMINATED NORMALLY

Parental mental health and youth antisocial behaviour

Exploratory factor analysis for antisocial behavior (ASB)

SUMMARY OF ANALYSIS

Number of groups 1

Number of observations 157

Number of dependent variables 35

Number of independent variables 0

Number of continuous latent variables 0

Observed dependent variables

Binary and ordered categorical (ordinal)

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043 CBCL063

CBCL067 CBCL072 CBCL073 CBCL081 CBCL082 CBCL090

CBCL096 CBCL099 CBCL101 CBCL105 CBCL106 CBCL003

CBCL016 CBCL019 CBCL020 CBCL021 CBCL022 CBCL023

CBCL037 CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

Estimator WLSMV

Rotation GEOMIN

Row standardization CORRELATION

Type of rotation OBLIQUE

Epsilon value Varies

Maximum number of iterations 1000

Convergence criterion 0.500D-04

Maximum number of steepest descent iterations 20

Maximum number of iterations for H1 2000

Convergence criterion for H1 0.100D-03

Optimization Specifications for the Exploratory Factor Analysis

Rotation Algorithm

Number of random starts 30

Maximum number of iterations 10000

Derivative convergence criterion 0.100D-04

Link PROBIT

Input data file(s)

N:\no-backup\Frida og Thea\Mplus\5.dat

Input data format FREE

SUMMARY OF DATA

Number of missing data patterns 1

UNIVARIATE PROPORTIONS AND COUNTS FOR CATEGORICAL VARIABLES

CBCL002

Category 1 0.726 114.000

Category 2 0.191 30.000

Category 3 0.083 13.000

CBCL026

Category 1 0.325 51.000

Category 2 0.376 59.000

Category 3 0.299 47.000

CBCL028

Category 1 0.140 22.000

Category 2 0.446 70.000

Category 3 0.414 65.000

CBCL039

Category 1 0.452 71.000

Category 2 0.350 55.000

Category 3 0.197 31.000

CBCL043

Category 1 0.255 40.000

Category 2 0.382 60.000

Category 3 0.363 57.000

CBCL063

Category 1 0.586 92.000

Category 2 0.287 45.000

Category 3 0.127 20.000

CBCL067

Category 1 0.745 117.000

Category 2 0.242 38.000

Category 3 0.013 2.000

CBCL072

Category 1 0.892 140.000

Category 2 0.102 16.000

Category 3 0.006 1.000

CBCL073

Category 1 0.962 151.000

Category 2 0.032 5.000

Category 3 0.006 1.000

CBCL081

Category 1 0.592 93.000

Category 2 0.255 40.000

Category 3 0.153 24.000

CBCL082

Category 1 0.777 122.000

Category 2 0.191 30.000

Category 3 0.032 5.000

CBCL090

Category 1 0.293 46.000

Category 2 0.318 50.000

Category 3 0.389 61.000

CBCL096

Category 1 0.911 143.000

Category 2 0.070 11.000

Category 3 0.019 3.000

CBCL099

Category 1 0.720 113.000

Category 2 0.127 20.000

Category 3 0.153 24.000

CBCL101

Category 1 0.459 72.000

Category 2 0.268 42.000

Category 3 0.274 43.000

CBCL105

Category 1 0.943 148.000

Category 2 0.057 9.000

CBCL106

Category 1 0.828 130.000

Category 2 0.153 24.000

Category 3 0.019 3.000

CBCL003

Category 1 0.146 23.000

Category 2 0.382 60.000

Category 3 0.471 74.000

CBCL016

Category 1 0.669 105.000

Category 2 0.287 45.000

Category 3 0.045 7.000

CBCL019

Category 1 0.414 65.000

Category 2 0.280 44.000

Category 3 0.306 48.000

CBCL020

Category 1 0.554 87.000

Category 2 0.287 45.000

Category 3 0.159 25.000

CBCL021

Category 1 0.561 88.000

Category 2 0.312 49.000

Category 3 0.127 20.000

CBCL022

Category 1 0.172 27.000

Category 2 0.420 66.000

Category 3 0.408 64.000

CBCL023

Category 1 0.414 65.000

Category 2 0.395 62.000

Category 3 0.191 30.000

CBCL037

Category 1 0.414 65.000

Category 2 0.325 51.000

Category 3 0.261 41.000

CBCL057

Category 1 0.592 93.000

Category 2 0.325 51.000

Category 3 0.083 13.000

CBCL068

Category 1 0.484 76.000

Category 2 0.306 48.000

Category 3 0.210 33.000

CBCL086

Category 1 0.204 32.000

Category 2 0.452 71.000

Category 3 0.344 54.000

CBCL087

Category 1 0.268 42.000

Category 2 0.401 63.000

Category 3 0.331 52.000

CBCL088

Category 1 0.510 80.000

Category 2 0.299 47.000

Category 3 0.191 30.000

CBCL089

Category 1 0.554 87.000

Category 2 0.287 45.000

Category 3 0.159 25.000

CBCL094

Category 1 0.669 105.000

Category 2 0.248 39.000

Category 3 0.083 13.000

CBCL095

Category 1 0.331 52.000

Category 2 0.331 52.000

Category 3 0.338 53.000

CBCL097

Category 1 0.580 91.000

Category 2 0.318 50.000

Category 3 0.102 16.000

CBCL104

Category 1 0.637 100.000

Category 2 0.242 38.000

Category 3 0.121 19.000

WARNING: THE SAMPLE CORRELATION OF CBCL073 AND CBCL043 IS 0.986

DUE TO ONE OR MORE ZERO CELLS IN THEIR BIVARIATE TABLE.

INFORMATION FROM THESE VARIABLES CAN BE USED TO CREATE ONE NEW VARIABLE.

SUMMARY OF MODEL FIT INFORMATION

Number of Degrees of

Model Parameters Chi-Square Freedom P-Value

1-factor 35 1205.587 560 0.0000

2-factor 69 815.247 526 0.0000

3-factor 102 681.809 493 0.0000

4-factor 134 579.725 461 0.0001

5-factor 165 510.257 430 0.0046

6-factor 195 436.978 400 0.0981

Degrees of

Models Compared Chi-Square Freedom P-Value

1-factor against 2-factor 259.810 34 0.0000

2-factor against 3-factor 130.004 33 0.0000

3-factor against 4-factor 95.775 32 0.0000

4-factor against 5-factor 71.062 31 0.0001

5-factor against 6-factor 67.823 30 0.0001

RESULTS FOR EXPLORATORY FACTOR ANALYSIS

EIGENVALUES FOR SAMPLE CORRELATION MATRIX

1 2 3 4 5

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

13.868 4.792 2.319 2.075 1.458

EIGENVALUES FOR SAMPLE CORRELATION MATRIX

6 7 8 9 10

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

1.334 1.246 1.063 0.965 0.901

EIGENVALUES FOR SAMPLE CORRELATION MATRIX

11 12 13 14 15

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.871 0.707 0.607 0.566 0.475

EIGENVALUES FOR SAMPLE CORRELATION MATRIX

16 17 18 19 20

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.453 0.424 0.385 0.328 0.294

EIGENVALUES FOR SAMPLE CORRELATION MATRIX

21 22 23 24 25

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.252 0.205 0.178 0.136 0.113

EIGENVALUES FOR SAMPLE CORRELATION MATRIX

26 27 28 29 30

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.087 0.044 0.026 0.001 -0.021

EIGENVALUES FOR SAMPLE CORRELATION MATRIX

31 32 33 34 35

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

-0.059 -0.082 -0.177 -0.263 -0.572

EXPLORATORY FACTOR ANALYSIS WITH 1 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 35

Chi-Square Test of Model Fit

Value 1205.587\*

Degrees of Freedom 560

P-Value 0.0000

\* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used

for chi-square difference testing in the regular way. MLM, MLR and WLSM

chi-square difference testing is described on the Mplus website. MLMV, WLSMV,

and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.086

90 Percent C.I. 0.079 0.092

Probability RMSEA <= .05 0.000

CFI/TLI

CFI 0.854

TLI 0.845

Chi-Square Test of Model Fit for the Baseline Model

Value 5028.928

Degrees of Freedom 595

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.167

MINIMUM ROTATION FUNCTION VALUE 14.61210

GEOMIN ROTATED LOADINGS (\* significant at 5% level)

1

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CBCL002 0.313\*

CBCL026 0.549\*

CBCL028 0.818\*

CBCL039 0.487\*

CBCL043 0.674\*

CBCL063 0.237\*

CBCL067 0.446\*

CBCL072 0.271\*

CBCL073 0.652\*

CBCL081 0.667\*

CBCL082 0.472\*

CBCL090 0.668\*

CBCL096 0.584\*

CBCL099 0.320\*

CBCL101 0.150

CBCL105 0.330\*

CBCL106 0.733\*

CBCL003 0.861\*

CBCL016 0.768\*

CBCL019 0.600\*

CBCL020 0.732\*

CBCL021 0.840\*

CBCL022 0.831\*

CBCL023 0.532\*

CBCL037 0.784\*

CBCL057 0.758\*

CBCL068 0.769\*

CBCL086 0.622\*

CBCL087 0.702\*

CBCL088 0.729\*

CBCL089 0.631\*

CBCL094 0.731\*

CBCL095 0.785\*

CBCL097 0.767\*

CBCL104 0.798\*

GEOMIN FACTOR CORRELATIONS (\* significant at 5% level)

1

\_\_\_\_\_\_\_\_

1 1.000

ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.902 0.699 0.331 0.763 0.546

ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.944 0.801 0.927 0.575 0.556

ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.777 0.553 0.659 0.898 0.978

ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.891 0.463 0.259 0.411 0.641

ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.464 0.294 0.309 0.717 0.386

ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.426 0.409 0.613 0.507 0.468

ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.601 0.466 0.384 0.412 0.363

S.E. GEOMIN ROTATED LOADINGS

1

\_\_\_\_\_\_\_\_

CBCL002 0.089

CBCL026 0.063

CBCL028 0.035

CBCL039 0.067

CBCL043 0.051

CBCL063 0.080

CBCL067 0.084

CBCL072 0.111

CBCL073 0.107

CBCL081 0.057

CBCL082 0.081

CBCL090 0.053

CBCL096 0.078

CBCL099 0.090

CBCL101 0.084

CBCL105 0.157

CBCL106 0.061

CBCL003 0.030

CBCL016 0.046

CBCL019 0.062

CBCL020 0.045

CBCL021 0.036

CBCL022 0.032

CBCL023 0.062

CBCL037 0.038

CBCL057 0.044

CBCL068 0.044

CBCL086 0.056

CBCL087 0.049

CBCL088 0.045

CBCL089 0.057

CBCL094 0.055

CBCL095 0.039

CBCL097 0.043

CBCL104 0.040

S.E. GEOMIN FACTOR CORRELATIONS

1

\_\_\_\_\_\_\_\_

1 0.000

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.056 0.069 0.057 0.065 0.069

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.038 0.075 0.060 0.139 0.076

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.076 0.071 0.091 0.057 0.025

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.103 0.089 0.051 0.070 0.074

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.066 0.061 0.053 0.066 0.060

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.066 0.067 0.070 0.069 0.066

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.072 0.081 0.062 0.065 0.064

Est./S.E. GEOMIN ROTATED LOADINGS

1

\_\_\_\_\_\_\_\_

CBCL002 3.507

CBCL026 8.777

CBCL028 23.562

CBCL039 7.256

CBCL043 13.200

CBCL063 2.963

CBCL067 5.306

CBCL072 2.432

CBCL073 6.095

CBCL081 11.755

CBCL082 5.834

CBCL090 12.626

CBCL096 7.483

CBCL099 3.557

CBCL101 1.780

CBCL105 2.109

CBCL106 12.101

CBCL003 29.137

CBCL016 16.829

CBCL019 9.679

CBCL020 16.267

CBCL021 23.289

CBCL022 26.022

CBCL023 8.556

CBCL037 20.403

CBCL057 17.332

CBCL068 17.635

CBCL086 11.024

CBCL087 14.248

CBCL088 16.129

CBCL089 11.045

CBCL094 13.199

CBCL095 19.895

CBCL097 17.987

CBCL104 19.779

Est./S.E. GEOMIN FACTOR CORRELATIONS

1

\_\_\_\_\_\_\_\_

1 0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

16.184 10.168 5.828 11.689 7.929

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

24.962 10.675 15.344 4.126 7.353

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

10.170 7.825 7.227 15.640 38.717

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

8.613 5.222 5.085 5.867 8.623

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

7.030 4.850 5.810 10.849 6.407

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

6.436 6.109 8.742 7.318 7.092

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

8.329 5.755 6.210 6.310 5.633

MODIFICATION INDICES FOR ANALYSIS WITH 1 FACTOR(S)

MODIFICATION INDICES

THETA

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL002 0.000

CBCL026 0.405 0.000

CBCL028 1.941 2.667 0.000

CBCL039 17.532 0.508 0.001 0.000

CBCL043 4.003 4.114 0.572 0.276 0.000

CBCL063 6.799 0.384 0.282 20.027 0.928

CBCL067 2.887 0.362 0.325 0.319 0.582

CBCL072 1.167 0.002 0.002 0.678 0.598

CBCL073 0.008 0.206 1.880 0.134 17.627

CBCL081 0.112 0.547 0.764 0.029 21.185

CBCL082 0.417 0.083 0.125 0.198 7.003

CBCL090 0.004 0.488 0.039 2.449 0.768

CBCL096 0.149 0.227 0.654 1.109 2.132

CBCL099 79.786 0.819 0.775 11.360 0.212

CBCL101 15.701 0.003 2.325 0.481 2.632

CBCL105 19.245 0.628 1.377 10.302 0.018

CBCL106 2.154 0.003 0.023 3.339 1.399

CBCL003 0.303 0.060 0.443 0.166 1.558

CBCL016 5.754 0.193 0.446 0.037 2.852

CBCL019 6.581 0.108 2.374 0.025 0.132

CBCL020 0.874 0.826 1.491 0.325 2.391

CBCL021 1.104 0.004 0.910 1.084 0.817

CBCL022 0.355 0.037 12.113 1.029 0.642

CBCL023 1.174 1.339 9.838 3.358 0.568

CBCL037 3.434 0.073 1.002 0.009 2.459

CBCL057 5.415 0.000 0.031 2.672 1.297

CBCL068 0.047 0.049 0.006 0.020 0.557

CBCL086 0.102 0.313 0.005 2.614 0.431

CBCL087 1.265 0.011 1.325 2.674 0.012

CBCL088 3.182 0.785 4.769 0.582 0.740

CBCL089 3.237 0.673 2.325 2.740 0.076

CBCL094 2.607 0.721 1.221 0.880 1.570

CBCL095 1.192 0.242 0.244 0.848 2.256

CBCL097 1.558 0.012 0.130 1.274 1.416

CBCL104 4.245 0.011 1.749 0.769 1.190

THETA

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL063 0.000

CBCL067 0.000 0.000

CBCL072 1.228 1.403 0.000

CBCL073 0.002 0.321 0.043 0.000

CBCL081 0.027 0.763 0.199 0.029 0.000

CBCL082 0.987 0.073 2.884 0.986 16.681

CBCL090 0.008 0.001 0.249 0.729 0.631

CBCL096 1.598 0.266 0.409 7.823 0.216

CBCL099 13.961 1.859 0.722 1.617 0.090

CBCL101 1.789 1.228 2.490 1.423 1.251

CBCL105 2.441 0.607 0.172 0.022 1.195

CBCL106 0.771 0.042 0.024 0.082 0.192

CBCL003 0.136 0.164 1.240 0.092 1.356

CBCL016 0.027 0.706 0.536 0.370 2.597

CBCL019 0.006 0.831 0.058 0.483 0.592

CBCL020 0.234 0.002 0.037 1.802 0.000

CBCL021 1.439 0.128 0.000 1.124 0.005

CBCL022 1.419 0.240 0.118 1.741 0.237

CBCL023 0.800 0.113 0.469 3.424 0.002

CBCL037 0.034 4.410 1.585 0.038 2.483

CBCL057 3.475 0.399 1.685 0.540 0.072

CBCL068 0.214 1.783 0.217 0.048 1.058

CBCL086 1.292 0.230 0.172 0.436 0.237

CBCL087 2.246 0.706 0.019 0.000 0.858

CBCL088 0.305 0.120 0.178 0.052 1.434

CBCL089 0.049 0.734 0.059 0.278 1.821

CBCL094 0.002 2.435 0.031 0.370 0.575

CBCL095 1.410 0.014 0.537 0.233 0.877

CBCL097 0.464 0.701 0.101 0.184 0.586

CBCL104 1.296 0.637 0.115 3.758 0.074

THETA

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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CBCL082 0.000

CBCL090 0.179 0.000

CBCL096 0.665 0.038 0.000

CBCL099 4.507 0.122 0.125 0.000

CBCL101 1.092 0.076 0.000 14.748 0.000

CBCL105 0.593 1.031 0.027 12.147 4.254

CBCL106 0.113 0.838 0.222 1.475 0.015

CBCL003 2.810 0.062 0.003 2.051 0.715

CBCL016 1.700 0.040 0.075 2.315 9.046

CBCL019 1.232 0.046 0.162 4.243 5.421

CBCL020 0.197 0.495 0.032 0.466 0.000

CBCL021 0.206 0.381 0.009 2.410 0.061

CBCL022 0.175 0.410 0.277 0.020 0.587

CBCL023 0.055 0.035 0.306 1.844 0.245

CBCL037 2.046 0.016 0.392 0.714 0.372

CBCL057 0.625 0.151 0.620 3.434 2.449

CBCL068 2.474 0.107 0.193 0.446 0.065

CBCL086 0.141 0.104 0.013 1.104 0.457

CBCL087 0.001 1.116 0.148 0.915 0.338

CBCL088 0.266 1.245 0.013 2.349 0.398

CBCL089 0.100 0.001 0.002 1.495 0.040

CBCL094 0.207 0.052 0.181 2.110 9.187

CBCL095 2.405 0.165 0.068 1.935 0.021

CBCL097 0.168 0.177 0.770 1.150 0.839

CBCL104 0.393 0.113 0.073 0.901 2.300

THETA

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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CBCL105 0.000

CBCL106 1.182 0.000

CBCL003 1.119 0.282 0.000

CBCL016 0.919 0.581 0.138 0.000

CBCL019 2.547 2.857 0.547 0.038 0.000

CBCL020 0.097 3.598 0.675 2.990 0.209

CBCL021 0.468 2.412 0.016 1.750 0.707

CBCL022 0.120 0.703 0.014 0.708 0.097

CBCL023 0.468 0.126 0.105 0.001 0.627

CBCL037 3.281 0.144 1.606 0.708 4.399

CBCL057 1.719 0.378 0.001 1.644 0.071

CBCL068 0.391 0.050 0.022 0.011 0.002

CBCL086 0.046 0.479 0.018 1.318 1.935

CBCL087 0.249 0.080 0.014 2.988 0.126

CBCL088 2.845 0.059 0.218 0.880 3.411

CBCL089 1.886 0.411 0.797 0.171 0.373

CBCL094 0.164 1.854 0.582 20.772 0.466

CBCL095 2.866 0.455 4.272 0.336 0.004

CBCL097 1.800 0.270 0.308 7.247 0.660

CBCL104 0.690 0.067 0.078 0.761 4.196

THETA

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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CBCL020 0.000

CBCL021 47.840 0.000

CBCL022 1.516 0.685 0.000

CBCL023 0.149 0.796 0.270 0.000

CBCL037 0.740 1.047 0.228 0.117 0.000

CBCL057 0.006 0.014 0.050 0.030 0.165

CBCL068 0.061 0.196 0.005 0.465 0.121

CBCL086 1.264 0.123 0.000 1.916 0.116

CBCL087 1.087 0.464 0.006 0.035 0.550

CBCL088 1.411 2.768 0.460 1.111 0.280

CBCL089 0.592 1.502 0.120 1.688 3.121

CBCL094 2.719 1.072 0.828 0.031 0.045

CBCL095 0.017 0.101 0.000 0.021 0.059

CBCL097 1.960 0.279 0.192 0.317 0.021

CBCL104 0.310 0.540 0.596 0.019 1.472

THETA

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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CBCL057 0.000

CBCL068 0.000 0.000

CBCL086 0.017 0.237 0.000

CBCL087 0.239 0.243 7.771 0.000

CBCL088 0.476 0.000 0.590 9.741 0.000

CBCL089 0.289 0.127 0.936 2.976 14.672

CBCL094 0.331 0.189 0.399 0.251 0.202

CBCL095 1.002 0.893 0.142 0.197 0.007

CBCL097 4.804 0.136 0.540 0.277 0.962

CBCL104 0.001 0.400 0.004 0.160 0.003

THETA

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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CBCL089 0.000

CBCL094 0.473 0.000

CBCL095 0.594 0.701 0.000

CBCL097 0.131 4.758 0.296 0.000

CBCL104 0.066 2.112 0.066 0.011 0.000

EXPECTED PARAMETER CHANGE

THETA

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

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CBCL002 0.000

CBCL026 -0.099 0.000

CBCL028 0.233 0.157 0.000

CBCL039 0.476 -0.096 -0.005 0.000

CBCL043 0.250 0.208 0.073 0.064 0.000

CBCL063 0.362 -0.090 -0.080 0.472 0.138

CBCL067 0.294 0.093 0.101 0.092 0.112

CBCL072 0.244 -0.009 -0.011 0.167 0.149

CBCL073 0.022 0.142 -0.401 0.088 0.626

CBCL081 0.055 0.091 0.103 -0.023 0.351

CBCL082 0.110 0.039 0.046 0.059 0.306

CBCL090 0.011 -0.091 -0.023 0.187 -0.112

CBCL096 -0.101 0.083 -0.166 0.174 0.214

CBCL099 0.722 -0.150 0.148 0.418 0.064

CBCL101 0.530 -0.008 0.205 0.100 0.219

CBCL105 0.658 -0.170 0.199 0.489 0.028

CBCL106 -0.283 -0.008 -0.027 -0.304 -0.204

CBCL003 -0.097 0.028 -0.067 -0.057 -0.150

CBCL016 -0.421 -0.062 -0.099 -0.023 -0.249

CBCL019 -0.412 0.042 -0.210 -0.022 -0.045

CBCL020 -0.162 -0.119 -0.165 -0.079 -0.201

CBCL021 -0.180 -0.007 -0.114 -0.141 -0.105

CBCL022 0.100 -0.022 0.213 -0.145 -0.090

CBCL023 0.155 -0.154 0.294 0.214 -0.096

CBCL037 -0.325 -0.034 -0.113 -0.012 -0.205

CBCL057 -0.410 0.001 -0.021 -0.236 -0.146

CBCL068 -0.035 -0.029 -0.008 0.018 -0.089

CBCL086 -0.053 -0.073 -0.008 -0.236 0.075

CBCL087 -0.198 0.012 -0.137 -0.240 -0.012

CBCL088 -0.302 -0.121 -0.275 -0.102 -0.103

CBCL089 -0.331 0.097 -0.191 -0.235 -0.033

CBCL094 -0.280 -0.122 -0.138 0.112 -0.173

CBCL095 -0.187 -0.060 -0.052 -0.127 -0.194

CBCL097 -0.220 -0.014 -0.041 -0.148 -0.153

CBCL104 -0.374 -0.015 -0.148 0.111 -0.144

THETA

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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CBCL063 0.000

CBCL067 0.003 0.000

CBCL072 0.211 0.253 0.000

CBCL073 -0.020 0.100 -0.084 0.000

CBCL081 0.025 0.126 0.079 -0.052 0.000

CBCL082 0.156 0.048 0.284 0.165 0.411

CBCL090 -0.013 0.005 0.097 -0.209 -0.108

CBCL096 0.246 -0.132 0.152 0.437 -0.104

CBCL099 0.479 0.225 0.171 0.212 0.048

CBCL101 0.195 0.171 0.303 0.296 0.159

CBCL105 0.322 0.204 0.136 0.059 0.245

CBCL106 -0.142 0.035 0.036 -0.086 0.057

CBCL003 -0.059 -0.074 -0.229 -0.098 -0.163

CBCL016 -0.026 -0.151 -0.173 -0.212 -0.239

CBCL019 0.012 -0.155 -0.049 -0.193 -0.105

CBCL020 -0.073 0.007 -0.036 -0.286 0.000

CBCL021 -0.182 0.051 0.001 -0.358 0.009

CBCL022 -0.177 -0.082 0.072 -0.506 -0.066

CBCL023 0.128 -0.053 0.138 -0.466 0.005

CBCL037 0.027 -0.309 -0.228 -0.067 -0.222

CBCL057 -0.300 0.084 -0.264 -0.233 -0.033

CBCL068 -0.072 0.188 0.090 -0.075 -0.132

CBCL086 -0.165 -0.081 -0.095 0.183 -0.071

CBCL087 -0.226 0.126 0.029 -0.003 -0.118

CBCL088 -0.084 -0.052 -0.107 0.075 -0.169

CBCL089 -0.033 -0.140 -0.059 -0.122 -0.202

CBCL094 -0.008 -0.297 -0.042 -0.231 -0.104

CBCL095 -0.178 0.018 -0.121 -0.169 -0.112

CBCL097 -0.107 -0.135 -0.073 -0.149 -0.098

CBCL104 0.161 -0.147 -0.072 -0.368 -0.033

THETA

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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CBCL082 0.000

CBCL090 -0.069 0.000

CBCL096 -0.191 0.039 0.000

CBCL099 0.310 0.051 -0.095 0.000

CBCL101 0.183 -0.039 0.003 0.516 0.000

CBCL105 0.206 0.215 -0.047 0.613 0.444

CBCL106 0.059 -0.167 -0.115 -0.227 0.018

CBCL003 -0.272 0.027 -0.013 -0.233 -0.125

CBCL016 -0.233 -0.026 -0.057 -0.287 -0.463

CBCL019 -0.194 0.027 -0.090 -0.337 -0.325

CBCL020 -0.075 -0.091 0.039 -0.114 -0.002

CBCL021 -0.070 -0.078 -0.022 -0.266 0.036

CBCL022 -0.071 0.068 -0.093 -0.022 0.115

CBCL023 0.035 0.025 -0.126 0.188 0.067

CBCL037 -0.243 0.014 -0.128 -0.147 -0.088

CBCL057 -0.118 -0.054 -0.202 -0.316 -0.237

CBCL068 -0.261 0.039 0.073 -0.110 -0.038

CBCL086 -0.057 -0.039 -0.029 -0.171 0.097

CBCL087 -0.005 -0.133 -0.070 -0.158 0.084

CBCL088 -0.076 0.113 -0.021 -0.262 -0.097

CBCL089 -0.043 -0.005 0.008 -0.213 0.031

CBCL094 -0.080 0.028 -0.075 -0.268 -0.444

CBCL095 -0.253 0.042 -0.049 -0.231 -0.021

CBCL097 -0.066 0.048 -0.149 -0.187 -0.143

CBCL104 -0.113 0.039 0.053 -0.168 -0.243

THETA

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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CBCL105 0.000

CBCL106 -0.396 0.000

CBCL003 -0.294 0.078 0.000

CBCL016 -0.301 -0.142 -0.056 0.000

CBCL019 -0.439 -0.246 0.079 -0.027 0.000

CBCL020 -0.096 0.212 -0.093 -0.247 -0.062

CBCL021 -0.196 0.164 0.013 -0.181 -0.115

CBCL022 0.099 0.117 0.010 -0.116 0.035

CBCL023 0.132 -0.063 0.040 0.004 -0.108

CBCL037 -0.488 -0.064 0.096 0.089 0.197

CBCL057 -0.410 0.070 0.003 0.129 0.032

CBCL068 -0.151 0.030 0.015 0.012 0.005

CBCL086 -0.056 -0.103 0.013 -0.161 -0.187

CBCL087 -0.121 -0.043 -0.012 -0.253 0.041

CBCL088 -0.531 -0.041 0.042 -0.129 0.184

CBCL089 -0.438 -0.123 -0.113 -0.050 0.075

CBCL094 -0.113 -0.245 -0.121 0.335 0.087

CBCL095 -0.435 0.078 0.145 -0.077 -0.008

CBCL097 -0.344 0.069 -0.070 0.228 -0.110

CBCL104 -0.277 -0.041 -0.035 0.087 0.208

THETA

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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CBCL020 0.000

CBCL021 0.408 0.000

CBCL022 -0.153 -0.097 0.000

CBCL023 -0.051 -0.123 0.063 0.000

CBCL037 -0.101 -0.116 -0.053 -0.043 0.000

CBCL057 -0.009 -0.012 -0.026 0.021 0.043

CBCL068 -0.028 -0.045 -0.007 -0.092 0.034

CBCL086 -0.157 -0.045 0.000 -0.192 0.037

CBCL087 -0.133 -0.075 0.009 -0.024 -0.088

CBCL088 -0.155 -0.220 -0.084 -0.144 0.054

CBCL089 -0.101 -0.168 -0.046 -0.180 0.171

CBCL094 -0.241 -0.136 -0.114 0.023 0.024

CBCL095 -0.014 -0.032 0.000 0.018 0.024

CBCL097 -0.189 -0.058 -0.048 -0.075 -0.017

CBCL104 -0.068 -0.088 -0.082 0.017 0.115

THETA

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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CBCL057 0.000

CBCL068 0.002 0.000

CBCL086 -0.017 0.051 0.000

CBCL087 -0.056 0.054 0.243 0.000

CBCL088 -0.084 0.000 0.082 0.243 0.000

CBCL089 0.062 -0.048 0.115 0.177 0.321

CBCL094 -0.077 -0.049 -0.089 -0.066 -0.062

CBCL095 0.100 0.085 0.041 0.044 -0.009

CBCL097 0.200 -0.044 0.080 -0.067 -0.125

CBCL104 0.004 0.060 -0.007 -0.045 0.006

THETA

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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CBCL089 0.000

CBCL094 -0.098 0.000

CBCL095 -0.102 -0.111 0.000

CBCL097 0.043 0.192 -0.067 0.000

CBCL104 -0.033 0.137 0.028 0.011 0.000

EXPLORATORY FACTOR ANALYSIS WITH 2 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 69

Chi-Square Test of Model Fit

Value 815.247\*

Degrees of Freedom 526

P-Value 0.0000

\* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used

for chi-square difference testing in the regular way. MLM, MLR and WLSM

chi-square difference testing is described on the Mplus website. MLMV, WLSMV,

and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.059

90 Percent C.I. 0.051 0.067

Probability RMSEA <= .05 0.031

CFI/TLI

CFI 0.935

TLI 0.926

Chi-Square Test of Model Fit for the Baseline Model

Value 5028.928

Degrees of Freedom 595

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.111

MINIMUM ROTATION FUNCTION VALUE 3.85471

GEOMIN ROTATED LOADINGS (\* significant at 5% level)

1 2

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CBCL002 -0.032 0.896\*

CBCL026 0.525\* 0.148

CBCL028 0.713\* 0.458\*

CBCL039 0.347\* 0.532\*

CBCL043 0.528\* 0.529\*

CBCL063 0.098 0.472\*

CBCL067 0.354\* 0.381\*

CBCL072 0.153 0.421\*

CBCL073 0.461\* 0.530\*

CBCL081 0.538\* 0.492\*

CBCL082 0.319\* 0.503\*

CBCL090 0.645\* 0.156

CBCL096 0.517\* 0.295

CBCL099 -0.001 0.829\*

CBCL101 -0.026 0.609\*

CBCL105 -0.037 0.853\*

CBCL106 0.737\* 0.056

CBCL003 0.873\* -0.004

CBCL016 0.815\* -0.247\*

CBCL019 0.656\* -0.204\*

CBCL020 0.718\* 0.122

CBCL021 0.827\* 0.128

CBCL022 0.781\* 0.257\*

CBCL023 0.464\* 0.300\*

CBCL037 0.818\* -0.138

CBCL057 0.799\* -0.136

CBCL068 0.762\* 0.090

CBCL086 0.622\* 0.050

CBCL087 0.712\* 0.010

CBCL088 0.768\* -0.136

CBCL089 0.671\* -0.135

CBCL094 0.768\* -0.167

CBCL095 0.803\* -0.025

CBCL097 0.796\* -0.106

CBCL104 0.821\* -0.053

GEOMIN FACTOR CORRELATIONS (\* significant at 5% level)

1 2

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

1 1.000

2 0.083 1.000

ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

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0.200 0.690 0.227 0.566 0.394

ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.760 0.707 0.788 0.465 0.424

ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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0.619 0.543 0.621 0.312 0.632

ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.277 0.447 0.238 0.309 0.551

ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.455 0.282 0.291 0.671 0.331

ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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0.361 0.400 0.605 0.492 0.410

ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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0.546 0.404 0.358 0.369 0.330

S.E. GEOMIN ROTATED LOADINGS

1 2

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CBCL002 0.086 0.039

CBCL026 0.070 0.092

CBCL028 0.061 0.073

CBCL039 0.073 0.070

CBCL043 0.080 0.074

CBCL063 0.080 0.088

CBCL067 0.097 0.102

CBCL072 0.132 0.138

CBCL073 0.155 0.128

CBCL081 0.085 0.086

CBCL082 0.095 0.089

CBCL090 0.057 0.087

CBCL096 0.112 0.151

CBCL099 0.013 0.045

CBCL101 0.086 0.068

CBCL105 0.164 0.117

CBCL106 0.064 0.107

CBCL003 0.029 0.025

CBCL016 0.054 0.098

CBCL019 0.063 0.083

CBCL020 0.049 0.080

CBCL021 0.042 0.079

CBCL022 0.047 0.080

CBCL023 0.073 0.086

CBCL037 0.041 0.081

CBCL057 0.043 0.072

CBCL068 0.046 0.085

CBCL086 0.058 0.078

CBCL087 0.051 0.072

CBCL088 0.048 0.080

CBCL089 0.056 0.094

CBCL094 0.057 0.101

CBCL095 0.039 0.066

CBCL097 0.042 0.088

CBCL104 0.041 0.089

S.E. GEOMIN FACTOR CORRELATIONS

1 2

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

1 0.000

2 0.110 0.000

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.069 0.070 0.051 0.068 0.066

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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0.082 0.089 0.108 0.135 0.070

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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0.084 0.072 0.090 0.074 0.081

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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0.200 0.090 0.051 0.076 0.081

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.066 0.061 0.054 0.071 0.061

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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0.062 0.068 0.071 0.071 0.069

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

0.073 0.078 0.062 0.061 0.066

Est./S.E. GEOMIN ROTATED LOADINGS

1 2

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CBCL002 -0.376 22.895

CBCL026 7.497 1.606

CBCL028 11.660 6.262

CBCL039 4.757 7.577

CBCL043 6.566 7.116

CBCL063 1.223 5.387

CBCL067 3.651 3.755

CBCL072 1.161 3.064

CBCL073 2.979 4.132

CBCL081 6.329 5.740

CBCL082 3.347 5.626

CBCL090 11.345 1.788

CBCL096 4.618 1.958

CBCL099 -0.083 18.468

CBCL101 -0.301 8.966

CBCL105 -0.224 7.314

CBCL106 11.526 0.519

CBCL003 29.838 -0.146

CBCL016 15.228 -2.517

CBCL019 10.355 -2.444

CBCL020 14.629 1.516

CBCL021 19.701 1.629

CBCL022 16.765 3.227

CBCL023 6.340 3.486

CBCL037 20.122 -1.695

CBCL057 18.767 -1.878

CBCL068 16.464 1.051

CBCL086 10.734 0.648

CBCL087 13.879 0.141

CBCL088 16.139 -1.689

CBCL089 12.024 -1.440

CBCL094 13.477 -1.654

CBCL095 20.554 -0.381

CBCL097 19.052 -1.202

CBCL104 19.930 -0.603

Est./S.E. GEOMIN FACTOR CORRELATIONS

1 2

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

1 0.000

2 0.760 0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

2.906 9.924 4.456 8.284 5.978

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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9.304 7.917 7.322 3.448 6.042

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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7.397 7.492 6.892 4.198 7.763

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

1.383 4.958 4.708 4.067 6.814

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

6.856 4.651 5.332 9.464 5.423

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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5.801 5.907 8.533 6.895 5.939

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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7.467 5.162 5.797 5.999 5.002

FACTOR STRUCTURE

1 2

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CBCL002 0.042 0.894

CBCL026 0.537 0.192

CBCL028 0.751 0.518

CBCL039 0.391 0.561

CBCL043 0.572 0.573

CBCL063 0.137 0.481

CBCL067 0.386 0.411

CBCL072 0.189 0.434

CBCL073 0.505 0.569

CBCL081 0.579 0.537

CBCL082 0.360 0.529

CBCL090 0.658 0.210

CBCL096 0.541 0.338

CBCL099 0.068 0.829

CBCL101 0.025 0.606

CBCL105 0.034 0.850

CBCL106 0.742 0.117

CBCL003 0.873 0.069

CBCL016 0.794 -0.179

CBCL019 0.639 -0.149

CBCL020 0.728 0.181

CBCL021 0.837 0.197

CBCL022 0.802 0.322

CBCL023 0.489 0.339

CBCL037 0.806 -0.070

CBCL057 0.788 -0.069

CBCL068 0.770 0.153

CBCL086 0.626 0.102

CBCL087 0.713 0.069

CBCL088 0.756 -0.072

CBCL089 0.660 -0.079

CBCL094 0.754 -0.103

CBCL095 0.801 0.042

CBCL097 0.788 -0.040

CBCL104 0.817 0.015

MODIFICATION INDICES FOR ANALYSIS WITH 2 FACTOR(S)

MODIFICATION INDICES

THETA

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL002 0.000

CBCL026 0.410 0.000

CBCL028 0.084 2.616 0.000

CBCL039 2.093 1.044 1.942 0.000

CBCL043 0.311 4.913 0.622 1.437 0.000

CBCL063 0.002 0.683 2.690 10.434 0.089

CBCL067 0.283 0.303 0.000 0.112 0.013

CBCL072 0.096 0.022 0.479 0.000 0.001

CBCL073 1.806 0.303 3.731 0.139 14.796

CBCL081 2.454 0.472 0.050 2.744 9.282

CBCL082 2.442 0.069 0.489 1.249 2.197

CBCL090 0.168 0.778 0.191 2.874 1.222

CBCL096 0.903 0.205 1.706 0.391 1.242

CBCL099 0.994 0.921 0.041 1.015 3.521

CBCL101 0.083 0.055 0.038 1.870 0.047

CBCL105 0.033 0.517 0.069 1.939 1.710

CBCL106 0.688 0.010 0.004 3.487 1.195

CBCL003 1.100 0.108 0.013 0.052 0.351

CBCL016 0.027 0.058 0.180 3.437 0.139

CBCL019 0.213 0.284 0.751 1.344 1.112

CBCL020 0.236 1.202 2.093 0.366 2.861

CBCL021 0.190 0.021 1.241 1.204 0.720

CBCL022 0.490 0.122 9.669 2.466 1.777

CBCL023 0.065 2.123 7.423 1.436 2.738

CBCL037 0.026 0.020 0.003 1.642 0.267

CBCL057 0.256 0.018 0.563 0.631 0.003

CBCL068 0.552 0.086 0.001 0.173 0.309

CBCL086 0.301 0.431 0.010 2.660 1.342

CBCL087 0.006 0.018 0.953 2.052 0.334

CBCL088 0.042 0.795 2.757 0.098 0.143

CBCL089 0.049 1.145 0.923 0.831 0.933

CBCL094 0.307 0.643 0.043 7.484 0.018

CBCL095 0.172 0.268 0.004 0.120 0.909

CBCL097 0.410 0.000 0.279 0.030 0.046

CBCL104 0.451 0.003 0.669 4.056 0.117

THETA

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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CBCL063 0.000

CBCL067 0.658 0.000

CBCL072 0.098 0.576 0.000

CBCL073 0.280 0.006 0.409 0.000

CBCL081 1.044 0.004 0.168 0.421 0.000

CBCL082 0.025 0.230 0.847 0.013 9.797

CBCL090 0.021 0.005 0.272 0.767 1.065

CBCL096 1.046 0.747 0.164 8.408 0.808

CBCL099 2.339 0.030 0.425 0.260 2.208

CBCL101 0.243 0.001 0.273 0.077 0.266

CBCL105 0.002 0.003 0.249 0.324 0.011

CBCL106 0.467 0.141 0.130 0.001 0.685

CBCL003 0.053 0.020 0.749 0.011 0.544

CBCL016 1.705 0.011 0.001 0.006 0.208

CBCL019 1.647 0.136 0.220 0.003 0.071

CBCL020 0.185 0.003 0.025 1.652 0.005

CBCL021 1.439 0.195 0.009 1.025 0.050

CBCL022 2.753 0.678 0.040 2.251 0.804

CBCL023 0.128 0.776 0.127 5.735 0.417

CBCL037 1.973 2.824 0.437 0.147 0.592

CBCL057 1.340 2.409 0.688 0.049 0.745

CBCL068 0.073 2.701 0.485 0.001 0.962

CBCL086 1.020 0.187 0.106 1.044 0.116

CBCL087 1.514 1.553 0.202 0.110 0.349

CBCL088 0.172 0.085 0.001 0.737 0.162

CBCL089 0.565 0.173 0.048 0.030 0.523

CBCL094 1.131 1.408 0.182 0.018 0.097

CBCL095 0.442 0.283 0.093 0.023 0.114

CBCL097 0.026 0.143 0.031 0.002 0.022

CBCL104 4.988 0.270 0.008 1.809 0.331

THETA

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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CBCL082 0.000

CBCL090 0.237 0.000

CBCL096 1.636 0.023 0.000

CBCL099 0.015 0.610 0.701 0.000

CBCL101 0.181 0.174 0.271 0.305 0.000

CBCL105 0.124 2.511 0.258 0.000 0.021

CBCL106 0.551 1.184 0.238 0.306 0.399

CBCL003 1.544 0.090 0.009 0.000 0.006

CBCL016 0.030 0.001 0.045 0.618 2.682

CBCL019 0.056 0.131 0.016 0.008 1.123

CBCL020 0.125 0.779 0.037 0.037 0.017

CBCL021 0.079 0.633 0.012 1.189 0.280

CBCL022 0.435 0.342 0.590 0.031 0.235

CBCL023 0.111 0.009 0.720 0.429 0.196

CBCL037 0.367 0.098 0.126 1.497 0.714

CBCL057 0.062 0.138 0.417 0.000 0.179

CBCL068 2.326 0.091 0.300 0.012 0.002

CBCL086 0.010 0.170 0.007 0.155 1.461

CBCL087 0.286 1.478 0.088 0.013 1.924

CBCL088 0.331 2.023 0.058 0.091 0.400

CBCL089 0.622 0.002 0.137 0.195 2.317

CBCL094 0.300 0.201 0.000 0.166 4.027

CBCL095 1.212 0.228 0.008 0.001 0.626

CBCL097 0.272 0.354 0.398 0.518 0.030

CBCL104 0.000 0.182 0.307 0.349 0.612

THETA

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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CBCL105 0.000

CBCL106 0.505 0.000

CBCL003 0.011 0.219 0.000

CBCL016 0.300 0.926 0.491 0.000

CBCL019 0.126 4.604 0.124 1.239 0.000

CBCL020 0.006 4.168 0.982 3.552 0.293

CBCL021 0.041 2.591 0.003 2.041 1.029

CBCL022 0.274 0.913 0.173 0.163 0.625

CBCL023 0.041 0.116 0.478 0.966 0.106

CBCL037 0.302 0.302 0.813 0.007 2.089

CBCL057 0.055 0.212 0.150 0.227 0.228

CBCL068 0.001 0.018 0.002 0.017 0.005

CBCL086 0.161 0.777 0.000 1.938 3.067

CBCL087 0.170 0.190 0.127 4.812 0.005

CBCL088 0.509 0.171 0.003 3.087 1.492

CBCL089 0.232 0.727 1.820 1.542 0.000

CBCL094 1.171 2.747 1.206 15.477 0.002

CBCL095 0.607 0.331 3.500 1.092 0.303

CBCL097 0.004 0.194 0.829 4.648 2.318

CBCL104 0.002 0.190 0.338 0.128 2.878

THETA

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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CBCL020 0.000

CBCL021 57.599 0.000

CBCL022 2.159 1.021 0.000

CBCL023 0.223 1.068 0.102 0.000

CBCL037 0.910 1.363 0.008 0.054 0.000

CBCL057 0.015 0.047 0.008 0.649 0.069

CBCL068 0.140 0.398 0.009 0.540 0.106

CBCL086 1.783 0.226 0.001 2.268 0.072

CBCL087 1.543 0.749 0.042 0.000 1.186

CBCL088 1.866 3.754 0.192 0.490 0.012

CBCL089 0.810 2.093 0.015 1.079 1.707

CBCL094 3.391 1.332 0.364 0.749 0.167

CBCL095 0.045 0.218 0.048 0.245 0.032

CBCL097 2.550 0.395 0.014 0.025 0.497

CBCL104 0.458 0.827 0.391 0.330 0.712

THETA

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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CBCL057 0.000

CBCL068 0.013 0.000

CBCL086 0.086 0.206 0.000

CBCL087 0.752 0.204 9.199 0.000

CBCL088 2.056 0.011 0.533 10.186 0.000

CBCL089 0.001 0.254 0.935 2.804 12.965

CBCL094 1.558 0.294 0.647 0.614 1.104

CBCL095 0.401 0.842 0.083 0.066 0.263

CBCL097 3.096 0.251 0.512 0.657 2.637

CBCL104 0.209 0.335 0.041 0.473 0.175

THETA

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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CBCL089 0.000

CBCL094 1.664 0.000

CBCL095 1.487 1.644 0.000

CBCL097 0.012 3.086 0.892 0.000

CBCL104 0.481 1.200 0.002 0.130 0.000

EXPECTED PARAMETER CHANGE

THETA

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL002 0.000

CBCL026 -0.094 0.000

CBCL028 0.046 0.141 0.000

CBCL039 0.172 -0.124 -0.166 0.000

CBCL043 -0.070 0.209 -0.072 -0.136 0.000

CBCL063 0.007 -0.107 -0.225 0.326 -0.039

CBCL067 0.089 0.076 -0.002 -0.050 -0.015

CBCL072 -0.067 -0.024 -0.133 -0.001 -0.004

CBCL073 -0.323 0.152 -0.501 -0.081 0.533

CBCL081 -0.246 0.077 -0.024 -0.210 0.234

CBCL082 -0.257 0.032 -0.084 -0.138 0.161

CBCL090 0.063 -0.101 -0.046 0.185 -0.128

CBCL096 -0.231 0.070 -0.240 0.095 0.151

CBCL099 0.121 -0.148 -0.032 0.124 -0.251

CBCL101 0.041 -0.031 0.024 -0.185 -0.027

CBCL105 -0.031 -0.141 0.042 0.206 -0.252

CBCL106 -0.152 -0.013 -0.009 -0.282 -0.170

CBCL003 0.174 0.034 -0.011 0.029 -0.065

CBCL016 0.028 -0.031 0.057 0.212 -0.051

CBCL019 -0.072 0.061 -0.108 0.146 0.121

CBCL020 -0.080 -0.127 -0.176 -0.077 -0.200

CBCL021 -0.071 -0.015 -0.120 -0.136 -0.091

CBCL022 0.110 -0.035 0.188 -0.203 -0.137

CBCL023 0.035 -0.171 0.235 0.129 -0.191

CBCL037 0.027 -0.016 -0.006 0.150 -0.062

CBCL057 -0.085 0.015 0.082 -0.105 -0.007

CBCL068 0.115 -0.033 0.003 0.049 -0.061

CBCL086 0.086 -0.075 0.010 -0.216 0.122

CBCL087 -0.013 0.014 -0.105 -0.191 0.059

CBCL088 0.033 -0.108 -0.190 0.039 0.042

CBCL089 -0.039 0.113 -0.109 -0.118 0.106

CBCL094 0.092 -0.103 -0.024 0.305 -0.017

CBCL095 0.067 -0.056 0.006 -0.044 -0.112

CBCL097 0.107 0.001 0.055 -0.021 -0.025

CBCL104 -0.115 -0.007 -0.084 0.234 -0.041

THETA

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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CBCL063 0.000

CBCL067 -0.131 0.000

CBCL072 0.055 0.146 0.000

CBCL073 -0.188 -0.012 -0.230 0.000

CBCL081 -0.142 0.009 -0.066 -0.177 0.000

CBCL082 -0.023 -0.077 0.142 0.018 0.301

CBCL090 -0.019 -0.010 0.090 -0.190 -0.126

CBCL096 0.180 -0.197 0.086 0.416 -0.181

CBCL099 0.197 0.027 -0.127 -0.089 -0.224

CBCL101 -0.068 -0.005 0.094 0.063 -0.069

CBCL105 -0.009 0.013 -0.150 -0.207 0.022

CBCL106 -0.100 0.057 0.074 -0.010 0.098

CBCL003 0.033 -0.023 -0.159 0.030 -0.094

CBCL016 0.186 -0.017 -0.006 0.024 -0.062

CBCL019 0.178 -0.057 0.086 -0.014 0.033

CBCL020 -0.059 0.007 -0.026 -0.245 0.008

CBCL021 -0.164 0.056 0.018 -0.303 0.024

CBCL022 -0.222 -0.122 0.037 -0.508 -0.109

CBCL023 0.046 -0.124 0.064 -0.536 -0.078

CBCL037 0.186 -0.223 -0.108 0.117 -0.099

CBCL057 -0.169 0.187 -0.152 -0.062 0.099

CBCL068 -0.038 0.207 0.119 -0.008 -0.114

CBCL086 -0.132 -0.065 -0.066 0.252 -0.045

CBCL087 -0.167 0.167 0.084 0.093 -0.068

CBCL088 0.058 0.039 0.008 0.251 -0.052

CBCL089 0.101 -0.061 0.048 0.036 -0.098

CBCL094 0.155 -0.202 0.091 -0.045 0.039

CBCL095 -0.090 0.074 -0.045 -0.047 -0.037

CBCL097 0.023 -0.055 0.036 0.013 0.017

CBCL104 0.287 -0.085 0.017 -0.233 0.064

THETA

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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CBCL082 0.000

CBCL090 -0.071 0.000

CBCL096 -0.269 0.027 0.000

CBCL099 0.018 0.108 -0.208 0.000

CBCL101 -0.069 -0.054 -0.110 0.076 0.000

CBCL105 -0.086 0.307 -0.136 0.002 -0.030

CBCL106 0.117 -0.175 -0.105 -0.098 0.088

CBCL003 -0.182 0.029 0.020 -0.001 -0.010

CBCL016 -0.028 0.004 0.040 0.140 -0.236

CBCL019 -0.037 0.040 -0.025 -0.014 -0.139

CBCL020 -0.054 -0.101 0.037 -0.030 0.018

CBCL021 -0.039 -0.089 -0.022 -0.175 0.071

CBCL022 -0.100 0.055 -0.120 -0.025 0.067

CBCL023 -0.045 0.011 -0.171 0.087 -0.055

CBCL037 -0.093 0.031 -0.065 0.200 0.114

CBCL057 0.034 -0.046 -0.147 -0.003 -0.059

CBCL068 -0.227 0.031 0.080 0.017 0.006

CBCL086 -0.013 -0.044 -0.020 -0.060 0.160

CBCL087 0.071 -0.135 -0.048 0.018 0.185

CBCL088 0.077 0.129 0.040 0.049 0.090

CBCL089 0.099 0.005 0.063 0.072 0.216

CBCL094 0.087 0.048 -0.004 0.070 -0.274

CBCL095 -0.162 0.043 -0.015 -0.004 0.107

CBCL097 0.076 0.061 -0.096 0.118 0.025

CBCL104 0.001 0.044 0.097 0.098 -0.115

THETA

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL105 0.000

CBCL106 -0.232 0.000

CBCL003 -0.026 0.061 0.000

CBCL016 0.157 -0.160 -0.094 0.000

CBCL019 -0.089 -0.280 0.034 -0.137 0.000

CBCL020 0.022 0.202 -0.099 -0.241 -0.065

CBCL021 -0.052 0.150 0.005 -0.175 -0.123

CBCL022 0.135 0.118 0.031 -0.050 0.080

CBCL023 0.036 -0.054 0.076 0.111 -0.040

CBCL037 -0.135 -0.082 0.062 0.008 0.125

CBCL057 -0.066 0.047 -0.038 0.044 -0.053

CBCL068 0.008 0.016 0.004 0.013 -0.008

CBCL086 0.095 -0.116 0.001 -0.175 -0.210

CBCL087 0.092 -0.059 -0.032 -0.286 0.007

CBCL088 -0.203 -0.062 0.004 -0.218 0.112

CBCL089 -0.139 -0.145 -0.152 -0.137 0.001

CBCL094 0.274 -0.265 -0.155 0.282 0.005

CBCL095 -0.182 0.059 0.118 -0.125 -0.060

CBCL097 -0.015 0.052 -0.102 0.171 -0.185

CBCL104 0.012 -0.061 -0.064 0.033 0.156

THETA

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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CBCL020 0.000

CBCL021 0.397 0.000

CBCL022 -0.162 -0.105 0.000

CBCL023 -0.056 -0.127 0.035 0.000

CBCL037 -0.100 -0.118 -0.009 0.026 0.000

CBCL057 -0.013 -0.020 0.010 0.086 -0.025

CBCL068 -0.037 -0.057 -0.009 -0.088 0.029

CBCL086 -0.165 -0.054 0.002 -0.185 0.026

CBCL087 -0.140 -0.085 0.020 -0.001 -0.115

CBCL088 -0.158 -0.227 -0.049 -0.086 -0.010

CBCL089 -0.105 -0.176 -0.014 -0.129 0.115

CBCL094 -0.240 -0.136 -0.068 0.100 -0.042

CBCL095 -0.021 -0.042 0.019 0.054 -0.016

CBCL097 -0.192 -0.062 -0.012 -0.019 -0.072

CBCL104 -0.073 -0.097 -0.059 0.062 0.072

THETA

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL057 0.000

CBCL068 -0.012 0.000

CBCL086 -0.034 0.042 0.000

CBCL087 -0.089 0.043 0.234 0.000

CBCL088 -0.157 -0.010 0.070 0.225 0.000

CBCL089 -0.004 -0.060 0.102 0.154 0.277

CBCL094 -0.150 -0.055 -0.101 -0.091 -0.129

CBCL095 0.057 0.073 0.028 0.023 -0.051

CBCL097 0.146 -0.053 0.070 -0.091 -0.185

CBCL104 -0.048 0.049 -0.021 -0.069 -0.043

THETA

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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CBCL089 0.000

CBCL094 -0.165 0.000

CBCL095 -0.144 -0.152 0.000

CBCL097 -0.012 0.141 -0.104 0.000

CBCL104 -0.080 0.093 -0.005 -0.033 0.000

EXPLORATORY FACTOR ANALYSIS WITH 6 FACTOR(S):

MODEL FIT INFORMATION

Number of Free Parameters 195

Chi-Square Test of Model Fit

Value 436.978\*

Degrees of Freedom 400

P-Value 0.0981

\* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used

for chi-square difference testing in the regular way. MLM, MLR and WLSM

chi-square difference testing is described on the Mplus website. MLMV, WLSMV,

and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate 0.024

90 Percent C.I. 0.000 0.038

Probability RMSEA <= .05 1.000

CFI/TLI

CFI 0.992

TLI 0.988

Chi-Square Test of Model Fit for the Baseline Model

Value 5028.928

Degrees of Freedom 595

P-Value 0.0000

SRMR (Standardized Root Mean Square Residual)

Value 0.064

MINIMUM ROTATION FUNCTION VALUE 1.43736

GEOMIN ROTATED LOADINGS (\* significant at 5% level)

1 2 3 4 5

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CBCL002 0.938\* 0.039 0.005 -0.007 -0.143

CBCL026 -0.056 0.347\* 0.281\* 0.315\* 0.088

CBCL028 0.509\* -0.030 0.597\* 0.472\* -0.003

CBCL039 0.710\* -0.005 0.073 -0.019 0.042

CBCL043 0.102 0.796\* 0.092 0.413 0.016

CBCL063 0.479\* 0.160 -0.129 -0.054 -0.011

CBCL067 0.284\* 0.171 0.142 0.070 0.236

CBCL072 0.312 0.211 -0.059 0.059 0.118

CBCL073 -0.030 1.122\* -0.003 0.026 -0.018

CBCL081 0.078 0.436\* -0.042 0.517\* 0.350\*

CBCL082 0.149 0.466\* -0.104 0.435\* 0.122

CBCL090 0.344\* -0.015 0.555\* -0.015 0.052

CBCL096 0.048 0.471\* 0.087 -0.048 0.274

CBCL099 0.843\* 0.092 -0.042 -0.016 -0.108

CBCL101 0.539\* 0.227 0.005 -0.169 0.025

CBCL105 0.833\* 0.002 -0.167 0.141 -0.042

CBCL106 -0.053 0.013 0.316\* 0.131 0.618\*

CBCL003 0.156 -0.024 0.703\* -0.039 0.275\*

CBCL016 -0.047 -0.113 0.594\* 0.430\* -0.037

CBCL019 -0.127 0.155 0.479\* -0.044 0.111

CBCL020 -0.003 -0.032 0.007 -0.115 0.968\*

CBCL021 -0.030 0.055 0.195 0.085 0.786\*

CBCL022 0.327\* -0.010 0.712\* 0.144 0.087

CBCL023 0.505\* -0.251\* 0.398\* 0.183 0.043

CBCL037 0.052 0.033 0.720\* -0.031 0.082

CBCL057 -0.146 -0.011 0.588\* 0.319\* 0.241\*

CBCL068 0.191\* 0.058 0.591\* -0.008 0.222\*

CBCL086 0.016 0.314\* 0.637\* 0.053 -0.069

CBCL087 0.003 0.355\* 0.695\* -0.075 0.011

CBCL088 -0.048 0.367\* 0.750\* -0.238\* -0.036

CBCL089 -0.142 0.371\* 0.668\* -0.045 -0.094

CBCL094 0.006 0.018 0.503\* 0.387\* -0.072

CBCL095 0.117 -0.076 0.671\* -0.056 0.306\*

CBCL097 -0.055 0.050 0.612\* 0.438\* 0.015

CBCL104 0.063 0.059 0.507\* 0.096 0.235\*

GEOMIN ROTATED LOADINGS (\* significant at 5% level)

6

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CBCL002 -0.136

CBCL026 -0.041

CBCL028 -0.199

CBCL039 0.571\*

CBCL043 0.010

CBCL063 0.447\*

CBCL067 -0.189

CBCL072 0.011

CBCL073 0.057

CBCL081 0.003

CBCL082 -0.007

CBCL090 0.199

CBCL096 0.317

CBCL099 0.023

CBCL101 -0.440\*

CBCL105 0.039

CBCL106 -0.187

CBCL003 0.058

CBCL016 0.454\*

CBCL019 0.349\*

CBCL020 0.051

CBCL021 -0.010

CBCL022 -0.129

CBCL023 0.088

CBCL037 0.248\*

CBCL057 0.003

CBCL068 0.067

CBCL086 -0.213\*

CBCL087 -0.225\*

CBCL088 0.065

CBCL089 -0.004

CBCL094 0.521\*

CBCL095 -0.050

CBCL097 0.143

CBCL104 0.416\*

GEOMIN FACTOR CORRELATIONS (\* significant at 5% level)

1 2 3 4 5

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

1 1.000

2 0.316\* 1.000

3 0.010 0.221 1.000

4 0.178 -0.053 0.183 1.000

5 0.246\* 0.257\* 0.504\* 0.273 1.000

6 -0.006 0.081 0.197 -0.054 0.062

GEOMIN FACTOR CORRELATIONS (\* significant at 5% level)

6

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6 1.000

ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

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0.126 0.596 -0.020 0.137 0.085

ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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0.507 0.645 0.770 -0.237 0.241

ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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0.484 0.457 0.420 0.269 0.402

ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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0.241 0.257 0.197 0.127 0.446

ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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0.113 0.125 0.239 0.501 0.267

ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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0.257 0.359 0.460 0.308 0.184

ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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0.392 0.219 0.285 0.267 0.222

S.E. GEOMIN ROTATED LOADINGS

1 2 3 4 5

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CBCL002 0.062 0.072 0.070 0.098 0.147

CBCL026 0.103 0.097 0.127 0.135 0.105

CBCL028 0.161 0.064 0.183 0.170 0.058

CBCL039 0.091 0.063 0.161 0.083 0.097

CBCL043 0.149 0.101 0.119 0.224 0.094

CBCL063 0.129 0.117 0.169 0.124 0.093

CBCL067 0.135 0.111 0.139 0.161 0.145

CBCL072 0.175 0.204 0.160 0.192 0.169

CBCL073 0.124 0.148 0.062 0.103 0.126

CBCL081 0.132 0.145 0.074 0.219 0.150

CBCL082 0.162 0.128 0.109 0.202 0.159

CBCL090 0.094 0.085 0.132 0.096 0.106

CBCL096 0.171 0.120 0.169 0.129 0.188

CBCL099 0.070 0.084 0.096 0.101 0.129

CBCL101 0.103 0.124 0.055 0.223 0.092

CBCL105 0.133 0.087 0.173 0.169 0.206

CBCL106 0.088 0.078 0.159 0.211 0.136

CBCL003 0.101 0.087 0.094 0.081 0.101

CBCL016 0.064 0.098 0.183 0.197 0.075

CBCL019 0.106 0.120 0.148 0.093 0.127

CBCL020 0.058 0.067 0.068 0.239 0.085

CBCL021 0.058 0.080 0.113 0.200 0.103

CBCL022 0.110 0.058 0.104 0.124 0.086

CBCL023 0.116 0.092 0.158 0.130 0.100

CBCL037 0.094 0.099 0.113 0.105 0.100

CBCL057 0.109 0.073 0.127 0.107 0.109

CBCL068 0.095 0.085 0.106 0.075 0.110

CBCL086 0.073 0.115 0.135 0.095 0.127

CBCL087 0.061 0.124 0.105 0.117 0.069

CBCL088 0.083 0.159 0.133 0.103 0.078

CBCL089 0.119 0.126 0.121 0.095 0.120

CBCL094 0.048 0.054 0.176 0.177 0.082

CBCL095 0.108 0.082 0.089 0.105 0.106

CBCL097 0.068 0.083 0.147 0.112 0.087

CBCL104 0.080 0.065 0.131 0.096 0.099

S.E. GEOMIN ROTATED LOADINGS

6

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CBCL002 0.116

CBCL026 0.095

CBCL028 0.223

CBCL039 0.125

CBCL043 0.074

CBCL063 0.126

CBCL067 0.117

CBCL072 0.128

CBCL073 0.201

CBCL081 0.063

CBCL082 0.083

CBCL090 0.119

CBCL096 0.208

CBCL099 0.094

CBCL101 0.136

CBCL105 0.074

CBCL106 0.129

CBCL003 0.112

CBCL016 0.228

CBCL019 0.096

CBCL020 0.116

CBCL021 0.049

CBCL022 0.159

CBCL023 0.166

CBCL037 0.118

CBCL057 0.125

CBCL068 0.110

CBCL086 0.099

CBCL087 0.102

CBCL088 0.092

CBCL089 0.068

CBCL094 0.203

CBCL095 0.095

CBCL097 0.199

CBCL104 0.096

S.E. GEOMIN FACTOR CORRELATIONS

1 2 3 4 5

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

1 0.000

2 0.111 0.000

3 0.116 0.117 0.000

4 0.122 0.128 0.150 0.000

5 0.119 0.110 0.077 0.175 0.000

6 0.087 0.153 0.133 0.107 0.192

S.E. GEOMIN FACTOR CORRELATIONS

6

\_\_\_\_\_\_\_\_

6 0.000

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

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0.078 0.072 0.065 0.089 0.102

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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0.089 0.103 0.118 0.268 0.065

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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0.084 0.076 0.149 0.077 0.103

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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0.204 0.095 0.055 0.057 0.078

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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0.087 0.064 0.052 0.086 0.060

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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0.063 0.070 0.090 0.066 0.063

S.E. ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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0.075 0.072 0.058 0.062 0.061

Est./S.E. GEOMIN ROTATED LOADINGS

1 2 3 4 5

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL002 15.209 0.538 0.067 -0.069 -0.972

CBCL026 -0.544 3.588 2.218 2.333 0.833

CBCL028 3.164 -0.471 3.260 2.772 -0.059

CBCL039 7.768 -0.072 0.450 -0.230 0.436

CBCL043 0.685 7.909 0.776 1.848 0.169

CBCL063 3.698 1.362 -0.759 -0.431 -0.117

CBCL067 2.099 1.545 1.026 0.432 1.623

CBCL072 1.778 1.031 -0.371 0.305 0.698

CBCL073 -0.240 7.597 -0.042 0.254 -0.143

CBCL081 0.592 3.014 -0.567 2.355 2.335

CBCL082 0.917 3.656 -0.956 2.155 0.769

CBCL090 3.665 -0.172 4.212 -0.155 0.493

CBCL096 0.282 3.917 0.515 -0.374 1.462

CBCL099 12.068 1.092 -0.438 -0.155 -0.839

CBCL101 5.219 1.831 0.093 -0.755 0.270

CBCL105 6.256 0.025 -0.966 0.834 -0.204

CBCL106 -0.605 0.169 1.980 0.620 4.543

CBCL003 1.535 -0.269 7.454 -0.487 2.715

CBCL016 -0.736 -1.157 3.243 2.181 -0.488

CBCL019 -1.198 1.292 3.247 -0.477 0.870

CBCL020 -0.058 -0.484 0.100 -0.482 11.374

CBCL021 -0.523 0.695 1.722 0.423 7.621

CBCL022 2.958 -0.173 6.824 1.164 1.006

CBCL023 4.369 -2.729 2.522 1.406 0.425

CBCL037 0.547 0.337 6.394 -0.294 0.824

CBCL057 -1.330 -0.150 4.615 2.988 2.213

CBCL068 2.007 0.685 5.552 -0.106 2.012

CBCL086 0.217 2.728 4.703 0.559 -0.547

CBCL087 0.056 2.850 6.609 -0.639 0.167

CBCL088 -0.583 2.308 5.646 -2.318 -0.455

CBCL089 -1.195 2.938 5.504 -0.473 -0.786

CBCL094 0.133 0.333 2.856 2.193 -0.877

CBCL095 1.080 -0.926 7.533 -0.539 2.888

CBCL097 -0.803 0.600 4.160 3.906 0.172

CBCL104 0.789 0.910 3.877 1.000 2.367

Est./S.E. GEOMIN ROTATED LOADINGS

6

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CBCL002 -1.171

CBCL026 -0.426

CBCL028 -0.889

CBCL039 4.574

CBCL043 0.128

CBCL063 3.550

CBCL067 -1.612

CBCL072 0.088

CBCL073 0.284

CBCL081 0.050

CBCL082 -0.082

CBCL090 1.669

CBCL096 1.520

CBCL099 0.245

CBCL101 -3.243

CBCL105 0.520

CBCL106 -1.452

CBCL003 0.518

CBCL016 1.995

CBCL019 3.619

CBCL020 0.441

CBCL021 -0.213

CBCL022 -0.809

CBCL023 0.529

CBCL037 2.109

CBCL057 0.022

CBCL068 0.610

CBCL086 -2.155

CBCL087 -2.200

CBCL088 0.703

CBCL089 -0.053

CBCL094 2.569

CBCL095 -0.523

CBCL097 0.718

CBCL104 4.344

Est./S.E. GEOMIN FACTOR CORRELATIONS

1 2 3 4 5

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

1 0.000

2 2.854 0.000

3 0.089 1.892 0.000

4 1.461 -0.415 1.216 0.000

5 2.069 2.332 6.529 1.559 0.000

6 -0.072 0.533 1.487 -0.500 0.324

Est./S.E. GEOMIN FACTOR CORRELATIONS

6

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6 0.000

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

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1.609 8.248 -0.305 1.531 0.832

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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5.710 6.252 6.502 -0.886 3.683

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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5.744 6.040 2.825 3.481 3.905

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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1.177 2.693 3.581 2.235 5.700

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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1.286 1.957 4.608 5.835 4.481

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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4.086 5.131 5.082 4.663 2.940

Est./S.E. ESTIMATED RESIDUAL VARIANCES

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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5.254 3.027 4.881 4.314 3.634

FACTOR STRUCTURE

1 2 3 4 5

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CBCL002 0.914 0.289 -0.077 0.127 0.089

CBCL026 0.134 0.394 0.451 0.364 0.388

CBCL028 0.590 0.220 0.641 0.683 0.531

CBCL039 0.713 0.294 0.209 0.102 0.283

CBCL043 0.432 0.832 0.354 0.410 0.406

CBCL063 0.513 0.319 -0.016 -0.027 0.096

CBCL067 0.411 0.334 0.277 0.212 0.429

CBCL072 0.417 0.324 0.062 0.124 0.235

CBCL073 0.325 1.110 0.251 -0.047 0.273

CBCL081 0.393 0.514 0.326 0.595 0.601

CBCL082 0.403 0.498 0.140 0.452 0.345

CBCL090 0.354 0.247 0.619 0.152 0.421

CBCL096 0.255 0.605 0.383 0.009 0.458

CBCL099 0.842 0.324 -0.066 0.091 0.098

CBCL101 0.590 0.378 -0.044 -0.053 0.145

CBCL105 0.847 0.214 -0.146 0.245 0.120

CBCL106 0.131 0.203 0.616 0.357 0.791

CBCL003 0.216 0.258 0.842 0.190 0.654

CBCL016 -0.012 0.008 0.718 0.502 0.367

CBCL019 -0.056 0.279 0.628 0.024 0.370

CBCL020 0.204 0.228 0.476 0.149 0.934

CBCL021 0.198 0.286 0.616 0.327 0.913

CBCL022 0.379 0.255 0.758 0.363 0.554

CBCL023 0.472 0.005 0.420 0.366 0.358

CBCL037 0.083 0.252 0.813 0.117 0.473

CBCL057 -0.027 0.118 0.765 0.467 0.586

CBCL068 0.268 0.312 0.729 0.188 0.583

CBCL086 0.116 0.422 0.639 0.148 0.337

CBCL087 0.114 0.498 0.721 0.050 0.419

CBCL088 0.024 0.526 0.782 -0.142 0.364

CBCL089 -0.049 0.451 0.692 0.007 0.290

CBCL094 0.065 0.134 0.644 0.432 0.326

CBCL095 0.166 0.187 0.790 0.177 0.635

CBCL097 0.048 0.160 0.738 0.534 0.451

CBCL104 0.159 0.280 0.738 0.238 0.573

FACTOR STRUCTURE

6

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CBCL002 -0.146

CBCL026 0.032

CBCL028 -0.112

CBCL039 0.584

CBCL043 0.071

CBCL063 0.434

CBCL067 -0.138

CBCL072 0.019

CBCL073 0.145

CBCL081 0.024

CBCL082 -0.006

CBCL090 0.309

CBCL096 0.391

CBCL099 0.011

CBCL101 -0.414

CBCL105 -0.010

CBCL106 -0.092

CBCL003 0.213

CBCL016 0.537

CBCL019 0.466

CBCL020 0.116

CBCL021 0.077

CBCL022 0.006

CBCL023 0.136

CBCL037 0.399

CBCL057 0.116

CBCL068 0.201

CBCL086 -0.069

CBCL087 -0.054

CBCL088 0.253

CBCL089 0.156

CBCL094 0.596

CBCL095 0.098

CBCL097 0.245

CBCL104 0.530

MODIFICATION INDICES FOR ANALYSIS WITH 6 FACTOR(S)

MODIFICATION INDICES

THETA

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL002 0.000

CBCL026 0.003 0.000

CBCL028 0.076 5.661 0.000

CBCL039 1.044 0.094 0.086 0.000

CBCL043 2.156 0.687 0.782 0.040 0.000

CBCL063 0.024 0.045 0.120 1.650 0.012

CBCL067 0.576 0.342 0.092 0.511 0.059

CBCL072 0.093 0.052 0.502 0.039 0.122

CBCL073 0.257 0.089 0.283 0.305 1.759

CBCL081 0.181 0.303 0.089 0.171 0.002

CBCL082 1.015 0.718 0.948 0.024 0.836

CBCL090 0.058 0.172 0.203 0.068 0.076

CBCL096 0.177 0.488 0.275 0.002 0.277

CBCL099 0.046 0.320 0.045 0.631 2.307

CBCL101 0.302 0.088 0.002 0.039 0.132

CBCL105 0.375 0.205 0.015 0.393 0.897

CBCL106 0.528 0.117 0.175 0.323 1.064

CBCL003 0.756 1.404 0.008 0.009 0.668

CBCL016 0.090 0.024 0.053 0.005 0.016

CBCL019 0.435 0.969 0.282 0.048 1.293

CBCL020 0.077 0.335 0.122 0.000 0.134

CBCL021 0.175 0.057 0.059 0.070 0.097

CBCL022 0.577 0.012 0.337 1.065 0.027

CBCL023 0.580 1.405 2.674 0.046 0.093

CBCL037 0.127 0.113 0.647 0.017 0.017

CBCL057 0.147 0.247 0.358 0.126 0.018

CBCL068 0.329 0.004 0.059 0.044 0.004

CBCL086 0.381 2.923 0.029 0.107 0.113

CBCL087 0.258 0.181 1.064 0.006 0.659

CBCL088 0.073 1.540 0.003 0.148 0.799

CBCL089 0.136 0.968 0.011 0.223 0.352

CBCL094 0.048 1.019 0.236 0.198 0.277

CBCL095 0.004 0.022 0.124 0.013 0.141

CBCL097 0.597 0.498 2.064 0.001 0.902

CBCL104 1.339 0.096 0.000 0.007 0.064

THETA

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CBCL063 0.000

CBCL067 0.074 0.000

CBCL072 0.085 0.912 0.000

CBCL073 0.951 0.163 1.140 0.000

CBCL081 0.060 0.010 0.422 1.200 0.000

CBCL082 0.240 0.523 1.535 1.627 5.375

CBCL090 1.696 0.044 0.545 0.100 0.011

CBCL096 0.156 0.737 0.212 2.436 1.336

CBCL099 1.832 0.291 0.686 1.058 0.156

CBCL101 0.735 1.430 0.397 0.008 0.069

CBCL105 0.136 0.080 0.352 0.059 1.081

CBCL106 1.128 0.087 0.288 1.286 0.013

CBCL003 0.142 0.124 1.389 0.913 0.000

CBCL016 0.315 0.583 0.003 1.683 1.063

CBCL019 0.026 0.003 0.249 0.689 0.847

CBCL020 0.003 0.346 0.212 0.152 0.039

CBCL021 0.296 0.006 0.016 0.320 0.494

CBCL022 0.820 1.518 0.419 0.936 0.001

CBCL023 0.276 1.033 0.581 0.644 0.118

CBCL037 0.738 3.879 0.897 0.545 0.002

CBCL057 0.179 3.880 0.928 0.493 0.028

CBCL068 0.253 4.355 0.820 0.161 0.321

CBCL086 0.019 0.992 0.182 0.614 0.032

CBCL087 0.587 1.436 0.325 0.241 0.027

CBCL088 0.067 0.242 0.011 0.059 1.132

CBCL089 1.396 0.326 0.069 3.316 0.266

CBCL094 0.263 0.661 0.311 0.084 0.045

CBCL095 0.051 0.123 0.105 0.484 0.566

CBCL097 0.328 0.104 0.112 0.612 0.814

CBCL104 1.674 0.099 0.001 2.551 1.477

THETA

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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CBCL082 0.000

CBCL090 0.101 0.000

CBCL096 3.266 0.085 0.000

CBCL099 2.435 0.010 0.578 0.000

CBCL101 0.024 0.216 0.033 0.575 0.000

CBCL105 0.000 3.139 0.000 0.033 0.033

CBCL106 1.072 0.458 0.004 0.002 0.010

CBCL003 0.704 0.037 0.109 0.257 0.545

CBCL016 0.256 0.125 0.526 0.181 0.046

CBCL019 0.021 0.025 1.647 0.406 0.708

CBCL020 0.011 0.002 0.044 0.501 0.003

CBCL021 0.075 0.149 0.012 0.316 0.512

CBCL022 0.001 0.617 0.369 0.000 0.052

CBCL023 0.429 0.560 0.000 0.028 0.000

CBCL037 0.020 0.499 0.823 0.918 1.987

CBCL057 0.000 0.004 0.102 0.294 0.032

CBCL068 2.323 0.025 0.717 0.053 0.167

CBCL086 0.032 0.026 0.005 0.159 0.025

CBCL087 0.987 1.960 0.302 0.008 0.059

CBCL088 2.739 2.954 1.021 0.069 0.291

CBCL089 1.487 0.029 0.042 0.291 1.688

CBCL094 0.169 0.011 0.067 0.137 0.662

CBCL095 0.359 0.121 0.233 0.066 0.055

CBCL097 0.009 1.196 0.009 0.928 1.304

CBCL104 0.039 0.130 0.000 0.037 0.008

THETA

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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CBCL105 0.000

CBCL106 0.580 0.000

CBCL003 0.070 0.464 0.000

CBCL016 0.007 0.005 0.006 0.000

CBCL019 0.275 3.308 0.345 2.659 0.000

CBCL020 0.215 0.055 2.153 0.000 0.008

CBCL021 0.011 0.466 0.494 0.023 0.201

CBCL022 0.776 1.985 0.000 0.031 4.600

CBCL023 0.338 0.052 0.255 0.107 0.001

CBCL037 0.950 0.066 0.464 0.092 0.717

CBCL057 0.055 0.268 0.171 0.203 0.031

CBCL068 0.000 0.099 0.398 1.373 0.103

CBCL086 1.050 1.071 0.020 0.087 4.853

CBCL087 1.274 0.136 0.317 0.407 0.180

CBCL088 0.612 0.864 0.006 0.007 0.132

CBCL089 0.101 0.095 2.713 0.049 0.420

CBCL094 0.531 0.231 0.340 0.020 0.152

CBCL095 1.226 0.005 1.424 0.011 0.084

CBCL097 0.160 1.692 0.400 1.132 2.842

CBCL104 0.050 0.130 0.749 0.540 0.967

THETA

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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CBCL020 0.000

CBCL021 3.962 0.000

CBCL022 0.181 0.012 0.000

CBCL023 0.241 0.464 0.082 0.000

CBCL037 0.123 0.011 0.010 0.001 0.000

CBCL057 0.238 0.414 0.255 0.403 0.086

CBCL068 0.031 0.123 0.145 1.724 0.025

CBCL086 0.022 0.761 0.280 1.510 0.360

CBCL087 0.003 0.199 0.008 2.591 2.020

CBCL088 0.122 0.485 0.021 0.452 1.505

CBCL089 2.563 0.048 0.003 0.001 2.330

CBCL094 0.026 1.267 0.021 0.019 0.456

CBCL095 0.565 0.764 0.394 0.048 0.136

CBCL097 0.004 0.720 0.286 1.179 0.328

CBCL104 0.267 0.246 0.000 0.105 0.012

THETA

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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CBCL057 0.000

CBCL068 0.002 0.000

CBCL086 0.142 0.308 0.000

CBCL087 0.423 0.158 1.689 0.000

CBCL088 0.098 0.363 0.865 0.900 0.000

CBCL089 0.801 0.595 0.197 0.006 2.671

CBCL094 2.053 0.015 0.311 3.213 0.096

CBCL095 0.463 0.223 0.084 0.002 0.298

CBCL097 1.296 0.071 2.303 0.004 0.384

CBCL104 0.057 0.206 1.158 0.375 0.106

THETA

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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CBCL089 0.000

CBCL094 0.439 0.000

CBCL095 1.996 0.008 0.000

CBCL097 0.552 1.640 0.450 0.000

CBCL104 0.232 0.010 0.159 0.226 0.000

EXPECTED PARAMETER CHANGE

THETA

CBCL002 CBCL026 CBCL028 CBCL039 CBCL043

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CBCL002 0.000

CBCL026 -0.007 0.000

CBCL028 -0.039 0.204 0.000

CBCL039 0.120 0.034 -0.035 0.000

CBCL043 0.177 0.080 0.089 0.024 0.000

CBCL063 0.018 -0.023 -0.044 -0.166 -0.014

CBCL067 0.101 0.063 -0.041 0.094 -0.028

CBCL072 -0.051 -0.029 -0.115 -0.032 -0.053

CBCL073 -0.106 0.066 -0.124 0.116 0.247

CBCL081 -0.057 -0.054 -0.032 -0.051 0.005

CBCL082 -0.136 -0.085 -0.110 -0.019 -0.110

CBCL090 -0.029 -0.038 -0.042 0.027 -0.029

CBCL096 -0.082 0.087 0.086 0.006 0.069

CBCL099 -0.023 -0.068 -0.028 -0.097 -0.181

CBCL101 -0.071 -0.032 -0.006 -0.025 -0.044

CBCL105 -0.086 -0.069 -0.019 0.093 -0.166

CBCL106 -0.109 -0.036 -0.057 -0.079 -0.141

CBCL003 0.112 0.097 -0.008 0.011 0.083

CBCL016 -0.043 -0.017 -0.028 -0.008 -0.016

CBCL019 -0.083 0.090 0.059 -0.025 0.121

CBCL020 0.045 -0.065 0.048 -0.001 -0.049

CBCL021 0.059 0.022 -0.027 0.032 0.034

CBCL022 0.096 -0.009 0.046 -0.118 0.016

CBCL023 -0.088 -0.114 0.157 0.023 0.033

CBCL037 -0.046 0.030 0.074 0.014 -0.014

CBCL057 -0.051 -0.044 -0.060 0.042 0.014

CBCL068 0.069 -0.006 0.021 0.022 0.006

CBCL086 0.079 -0.161 -0.016 -0.040 0.035

CBCL087 -0.069 -0.038 -0.103 -0.010 -0.082

CBCL088 -0.038 -0.127 -0.006 0.046 -0.098

CBCL089 -0.052 0.087 -0.011 -0.056 -0.062

CBCL094 0.030 -0.108 -0.053 0.051 -0.065

CBCL095 0.008 -0.013 -0.031 0.013 0.041

CBCL097 0.103 -0.066 -0.145 -0.003 -0.105

CBCL104 -0.156 0.030 0.001 0.009 -0.027

THETA

CBCL063 CBCL067 CBCL072 CBCL073 CBCL081

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CBCL063 0.000

CBCL067 -0.036 0.000

CBCL072 0.042 0.140 0.000

CBCL073 -0.281 0.061 -0.310 0.000

CBCL081 -0.031 -0.011 -0.089 -0.251 0.000

CBCL082 0.061 -0.093 0.156 -0.201 0.241

CBCL090 -0.144 0.024 0.098 -0.057 0.011

CBCL096 0.061 -0.153 0.079 0.276 -0.194

CBCL099 0.151 0.067 -0.124 0.170 -0.051

CBCL101 0.104 -0.146 0.094 0.018 0.032

CBCL105 -0.058 0.052 -0.135 0.074 0.186

CBCL106 0.137 -0.036 0.087 0.262 0.013

CBCL003 0.044 -0.044 -0.165 0.217 -0.001

CBCL016 0.070 0.101 0.009 0.342 -0.126

CBCL019 0.019 -0.007 0.071 -0.170 0.099

CBCL020 -0.007 -0.078 -0.078 -0.090 -0.025

CBCL021 -0.067 0.008 0.020 -0.141 -0.075

CBCL022 -0.102 -0.143 0.094 -0.259 0.003

CBCL023 0.058 -0.115 0.110 -0.159 0.037

CBCL037 0.093 -0.203 -0.120 0.178 0.005

CBCL057 -0.051 0.188 -0.136 0.161 0.016

CBCL068 -0.057 0.202 0.117 0.095 -0.055

CBCL086 -0.016 -0.119 -0.069 0.163 -0.020

CBCL087 -0.091 0.132 0.087 -0.115 -0.017

CBCL088 -0.032 0.056 -0.019 -0.060 0.126

CBCL089 0.137 -0.066 0.045 -0.341 -0.059

CBCL094 -0.065 -0.112 0.095 0.080 0.024

CBCL095 -0.025 0.038 -0.038 0.172 0.071

CBCL097 0.068 -0.037 0.053 0.196 -0.094

CBCL104 0.140 -0.040 -0.006 -0.247 0.119

THETA

CBCL082 CBCL090 CBCL096 CBCL099 CBCL101

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CBCL082 0.000

CBCL090 0.037 0.000

CBCL096 -0.305 0.041 0.000

CBCL099 0.185 0.011 -0.148 0.000

CBCL101 -0.021 -0.049 -0.032 0.091 0.000

CBCL105 -0.004 0.266 0.000 -0.026 0.031

CBCL106 0.137 -0.086 -0.012 0.007 0.012

CBCL003 -0.098 -0.015 0.054 -0.061 -0.082

CBCL016 -0.070 -0.035 0.115 0.061 -0.028

CBCL019 -0.019 -0.014 -0.205 -0.078 -0.093

CBCL020 0.016 0.005 0.041 0.110 -0.008

CBCL021 -0.034 0.038 0.019 -0.077 0.087

CBCL022 0.003 0.061 0.079 0.001 0.026

CBCL023 0.073 -0.072 0.003 0.018 -0.001

CBCL037 -0.017 -0.055 -0.130 0.121 0.153

CBCL057 0.001 -0.006 -0.057 0.069 -0.020

CBCL068 -0.179 -0.013 0.100 -0.027 -0.045

CBCL086 -0.020 -0.014 0.013 -0.049 0.018

CBCL087 0.111 -0.128 -0.075 0.012 -0.029

CBCL088 0.194 0.142 -0.148 -0.035 -0.067

CBCL089 0.129 0.015 -0.029 0.071 0.155

CBCL094 0.055 0.009 -0.036 -0.052 -0.101

CBCL095 -0.071 0.026 0.065 -0.031 0.026

CBCL097 0.011 0.092 -0.012 0.125 0.134

CBCL104 0.025 -0.030 -0.001 0.025 -0.011

THETA

CBCL105 CBCL106 CBCL003 CBCL016 CBCL019

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CBCL105 0.000

CBCL106 -0.195 0.000

CBCL003 -0.051 0.071 0.000

CBCL016 0.018 0.010 -0.009 0.000

CBCL019 -0.101 -0.200 0.046 -0.170 0.000

CBCL020 0.119 0.031 -0.150 -0.002 0.011

CBCL021 0.023 -0.072 0.059 0.017 -0.048

CBCL022 0.174 0.146 0.000 -0.019 0.178

CBCL023 -0.084 -0.030 0.045 -0.033 0.003

CBCL037 -0.183 0.030 0.039 0.026 0.061

CBCL057 -0.050 -0.046 -0.033 0.038 0.016

CBCL068 -0.003 0.030 -0.045 0.098 -0.028

CBCL086 0.191 -0.115 0.011 -0.032 -0.214

CBCL087 0.205 -0.043 -0.043 -0.073 0.037

CBCL088 -0.180 0.121 0.006 -0.010 0.032

CBCL089 -0.072 -0.043 -0.148 0.022 -0.060

CBCL094 0.149 -0.065 -0.067 0.013 -0.039

CBCL095 -0.201 0.006 0.067 -0.010 -0.025

CBCL097 -0.073 0.132 -0.057 0.089 -0.166

CBCL104 -0.051 0.041 -0.076 -0.060 0.077

THETA

CBCL020 CBCL021 CBCL022 CBCL023 CBCL037

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CBCL020 0.000

CBCL021 0.325 0.000

CBCL022 -0.046 -0.010 0.000

CBCL023 0.061 -0.074 -0.026 0.000

CBCL037 0.036 0.009 -0.008 -0.003 0.000

CBCL057 0.050 -0.054 -0.043 0.057 0.023

CBCL068 -0.017 -0.028 -0.029 -0.126 -0.011

CBCL086 0.019 0.091 -0.044 -0.125 0.047

CBCL087 0.007 0.042 -0.008 0.158 -0.122

CBCL088 0.044 -0.077 -0.014 0.073 -0.102

CBCL089 0.200 -0.024 0.005 -0.003 0.114

CBCL094 0.022 0.125 0.014 0.014 -0.059

CBCL095 -0.076 -0.072 -0.045 0.020 -0.026

CBCL097 -0.007 0.078 -0.044 -0.107 -0.048

CBCL104 -0.058 -0.048 0.000 0.029 0.008

THETA

CBCL057 CBCL068 CBCL086 CBCL087 CBCL088

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CBCL057 0.000

CBCL068 -0.004 0.000

CBCL086 -0.036 0.042 0.000

CBCL087 -0.057 0.032 0.101 0.000

CBCL088 -0.030 -0.052 -0.083 0.079 0.000

CBCL089 0.078 -0.073 -0.040 -0.006 0.140

CBCL094 -0.142 0.010 0.060 0.189 0.035

CBCL095 0.051 0.031 0.023 0.004 -0.048

CBCL097 0.085 -0.022 0.129 -0.006 -0.062

CBCL104 -0.020 0.031 0.094 0.053 -0.029

THETA

CBCL089 CBCL094 CBCL095 CBCL097 CBCL104

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CBCL089 0.000

CBCL094 -0.073 0.000

CBCL095 -0.135 -0.009 0.000

CBCL097 0.067 0.103 -0.060 0.000

CBCL104 -0.046 -0.008 0.031 -0.036 0.000

Beginning Time: 13:34:46

Ending Time: 13:34:55

Elapsed Time: 00:00:09

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