

Online Supplement

The Antisocial Process Screening Device (APSD)

Callous-Unemotional Scale:

APSD03: You care about how well you do at school/work. (R)

APSD07: You are good at keeping promises. (R)

APSD12: You feel bad or guilty when you do something wrong. (R)

APSD18: You are concerned about the feelings of others. (R)

APSD19: You hide your feelings or emotions from others.

Impulsivity:

APSD01: You blame others for your mistakes.

APSD04: You act without thinking of the consequences.

APSD09: You get bored easily.

APSD13: You do risky or dangerous things.

APSD17: You do not plan ahead or you leave things until the last minute.

Narcissism:

APSD05: Your emotions are shallow and fake.

APSD08: You brag a lot about your abilities, accomplishments, or possessions.

APSD10: You use or con other people to get what you want.

APSD11: You tease or make fun of other people.

APSD14: You act charming and nice to get things you want.

APSD15: You get angry when corrected or punished.

APSD16: You think you are better or more important than other people.

The Barratt Impulsiveness Scale (BIS)

Attentional Impulsivity:

BIS05: I don't pay attention.

BIS06: I have racing thoughts.

BIS09: I concentrate easily. (R)

BIS11: I squirm at plays and lectures.

BIS20: I am a steady thinker. (R)

BIS26: I often have extraneous thoughts when thinking.

BIS28: I am restless at the theatre or lecture.

Motor Impulsivity:

BIS02: I do things without thinking.

BIS04: I am happy-go-lucky.

BIS17: I act on impulse.

BIS19: I act on the spur of the moment.

BIS22: I buy things on impulse.

BIS25: I spend or charge more than I earn.

BIS30: I am future orientated. (R)

Non-planning Impulsivity:

BIS01: I plan tasks carefully. (R)

BIS07: I plan trips well ahead of time. (R)

BIS08: I am self controlled. (R)

BIS10: I save regularly. (R)

BIS12: I am a careful thinker. (R)

BIS13: I plan for job security. (R)

BIS14: I say things without thinking.

BIS15: I like to think about complex problems. (R)

BIS18: I get easily bored when solving thought problems.

BIS27: I am more interested in the present than the future.

BIS29: I like puzzles. (Reversed)

The Child and Adolescent Dispositions Scale (CADS)

Daring:

CADS03: Are you daring and adventurous?

CADS06: Do you like rough games and sports?

CADS11: Do you like things that are exciting and loud?

CADS50: Are you brave?

Negative Emotionality:

CADS20: Are you emotional?

CADS23: Are you easily embarrassed?

CADS28: Do you get upset easily?

CADS36: Do you react intensely when you get upset?

CADS40: Are you selfish?

CADS44: Are you calm and easy-going? (R)

CADS46: Do you exaggerate things and blow them out of proportion?

CADS47: Are you jealous of what other people have?

CADS49: Do your moods change unpredictably?

Prosociality:

CADS04: Do you do things to help other people your age without being asked?

CADS05: Do you try to do excellent work in school or at work?

CADS07: Would you feel guilty if you did something that broke the law?

CADS17: Do you share your things with other people without being asked?

CADS19: Do you feel bad for other people when they get hurt?

CADS34: Do you try to cheer up other people your age who are sad or upset?

CADS37: Do you feel sorry for kids who get picked on?

CADS38: Are you cautious?

CADS41: Do you want everyone to follow the rules, including yourself?

CADS42: Do you care about other people's feelings?

CADS43: Do you enjoy learning about new and interesting things?

CADS48: Are you concerned about what is right and wrong?

The Inventory of Callous and Unemotional Traits (ICU)

Callousness:

ICU02: What I think is right and wrong is different from what other people think.

ICU04: I do not care who I hurt to get what I want.

ICU07: I do not care about being on time.

ICU08: I am concerned about the feelings of others. (R)

ICU09: I do not care if I get into trouble.

ICU10: I do not let my feelings control me.

ICU11: I do not care about doing things well.

ICU12: I seem very cold and uncaring to others.

ICU20: I do not like to put the time into doing things well.

ICU21: The feelings of others are unimportant to me.

Uncaring:

ICU03: I care about how well I do at school or work.

ICU05: I feel bad or guilty when I do something wrong.

ICU13: I easily admit to being wrong.

ICU15: I always try my best.

ICU16: I apologise (say I am sorry) to persons I hurt.

ICU17: I try not to hurt others feelings.

ICU23: I work hard on everything I do.

ICU24: I do things to make others feel good.

Unemotional:

ICU01: I express my feelings openly.

ICU06: I do not show my emotions to others.

ICU14: It is easy for others to tell how I am feeling.

ICU19: I am very expressive and emotional.

ICU22: I hide my feelings from others.

Cognitive-Perceptual:

SPQ13: Have you ever had the sense that some person or force is around you, even though you cannot see anyone?

SPQ21: Are you sometimes sure that other people can tell what you are thinking?

SPQ28: Have you ever noticed a common event or object that seemed to be a special sign for you?

SPQ44: Do you often pick up hidden threats or put-downs from what people say or do?

SPQ45: When shopping do you get the feeling that other people are taking notice of you?

SPQ47: Have you had experiences with astrology, seeing the future, UFOs, ESP, or a sixth sense?

SPQ61: Do you ever suddenly feel distracted by distant sounds that you are not normally aware of?

SPQ65: Do you often have to keep an eye out to stop people from taking advantage of you?

Disorganized:

SPQ14: People sometimes comment on my unusual mannerisms and habits.

SPQ32: Some people think that I am a very bizarre person.

SPQ42: Some people find me a bit vague and elusive during a conversation.

SPQ67: I am an odd, unusual person.

SPQ69: I find it hard to communicate clearly what I want to say to people.

Interpersonal:

SPQ08: People sometimes find me aloof and distant.

SPQ36: I feel I have to be on my guard even with friends.

SPQ46: I feel very uncomfortable in social situations involving unfamiliar people.

SPQ52: Have you found that it is best not to let other people know too much about you?

SPQ57: I tend to keep in the background on social occasions.

SPQ66: Do you feel that you cannot get close to people?

SPQ71: I feel very uneasy talking to people I do not know well.

SPQ73: I tend to keep my feelings to myself.

Analytical strategy

The following formulae were used to compute omega coefficients^{1,2} ω_H (indicating how much common variance is accounted for by the general trait), ω_G (indicating the internal consistency reliability of the general factor when controlling for the effects of all specific factors), ω_S (indicating the internal consistency reliability of a specific factor controlling for the effect of other factors in the model):

$$\omega_G = \frac{(\sum \lambda_{iGEN})^2}{(\sum \lambda_{iGEN})^2 + \sum \theta_i}$$

$$\omega_S = \frac{(\sum \lambda_{iS})^2}{(\sum \lambda_{iS})^2 + (\sum \lambda_{iGEN/S})^2 + \sum \theta_i}$$

$$\omega_H = \frac{(\sum \lambda_{iGEN})^2}{(\sum \lambda_{iGEN})^2 + (\sum \lambda_{iS_1})^2 + \dots + (\sum \lambda_{iS_p})^2 + \sum \theta_i}$$

λ_{iGEN} factor loadings on the General Factor

λ_{iS} factor loadings on a Specific Factor

$\lambda_{iGEN/S}$ factor loadings of the General Factor including only items making up a given Specific Factor *S*

θ_i items' unique (error) variances

Prior to computing ω_H and ω_G items with negative loadings on the general factor were reversed and factor loadings from the subsequent bifactor CFA were used in these formulae¹; absolute values of factor loadings were used to compute ω_S ¹.

Results

Gender and Age Effects

General Factor (GF)

This factor showed significant main effects of age ($F(4, 2277)=6.07, p<.001, \eta^2=.010$, adolescents > adults, the mean difference for age groups 16-19 and 22-24 = .23, $p<.001$) and gender ($F(1, 2277)=7.70, p<.006, \eta^2=.003$, boys > girls, the mean difference .11, $p<.006$). There was an interaction between age and gender ($F(4, 2277)=3.92, p<.003, \eta^2=.006$) indicating faster decrease in GF in older age groups in girls compared to boys (see Supplementary Figure 2).

Specific factor 1 (SF1)

There were main effects of gender ($F(1, 2277)= 262.27, p<.001, \eta^2=.10$, girls > boys, mean difference = .58, $p<.001$, see Supplementary Figure 2) and of age ($F(4, 2277)= 6.46, p<.001, \eta^2=.011$; adults > adolescents, mean difference between 14-15 and 22-24 =.24, $p<.001$), the correlation (Spearman's rho) between age and this factor was however negligible (.09, $p<.001$).

Specific factor 2 (SF2)

There was a main effect of gender ($F(1, 2277) = 159.23, p<.001, \eta^2 = .06$; males > females, mean difference .45, $p<.001$). No significant main effect of age, or gender x age interaction was found (see Supplementary Figure 2).

Specific factor 3 (SF3)

There was a main effect of age ($F(4, 2277) = 8.18, p < .001, \eta^2 = .014$, older > younger, mean difference between 14-15 and 22-24 years old, 0.20, $p < .005$). The main effect of gender was marginal ($\eta^2 = .003$; girls > boys .09, $p = .014$). There was no age x gender interaction (see Supplementary Figure 2).

Specific factor 4 (SF4)

There was a significant main effect of age ($F(4, 2277) = 4.38, p = .002, \eta^2 = .009$); 18-19 > 14-15 (mean difference .18, $p = .023$) and 18-19 > 22-24 (mean difference .18, $p = .012$) and significant main effect of gender ($F(4, 2277) = 12.73, p < .001, \eta^2 = .006$); boys > girls .13, $p < .001$. There was an age x gender interaction ($F(4, 2277) = 3.36, p = .009, \eta^2 = .006$); overall females had lower scores than males in all age groups (in particular 22-

24), except for the group 14-15, where this trend was reversed for the genders (see Supplementary Figure 2).

References (Supplement):

1. Gignac, G.E. On the inappropriateness of using items to calculate total scale score reliability via coefficient Alpha for multidimensional scales. *Eur J Psychol Assess.* **30**, 130-139 (2014).
2. Reise, S. P. The rediscovery of bifactor measurement models. *Multivariate Behav Res.* **47**, 667-696 (2012).

Figure 1. Network plot of correlations between 116 items used in this study (represented as circles)

Positive correlations are shown as green lines; negative as red lines. Only correlations of .25, or above are depicted in the graph. The thicker the line, the higher is the correlation. The number of an item corresponds to that one in the Table with factor loadings reported on pages 4–9 of this Supplement.

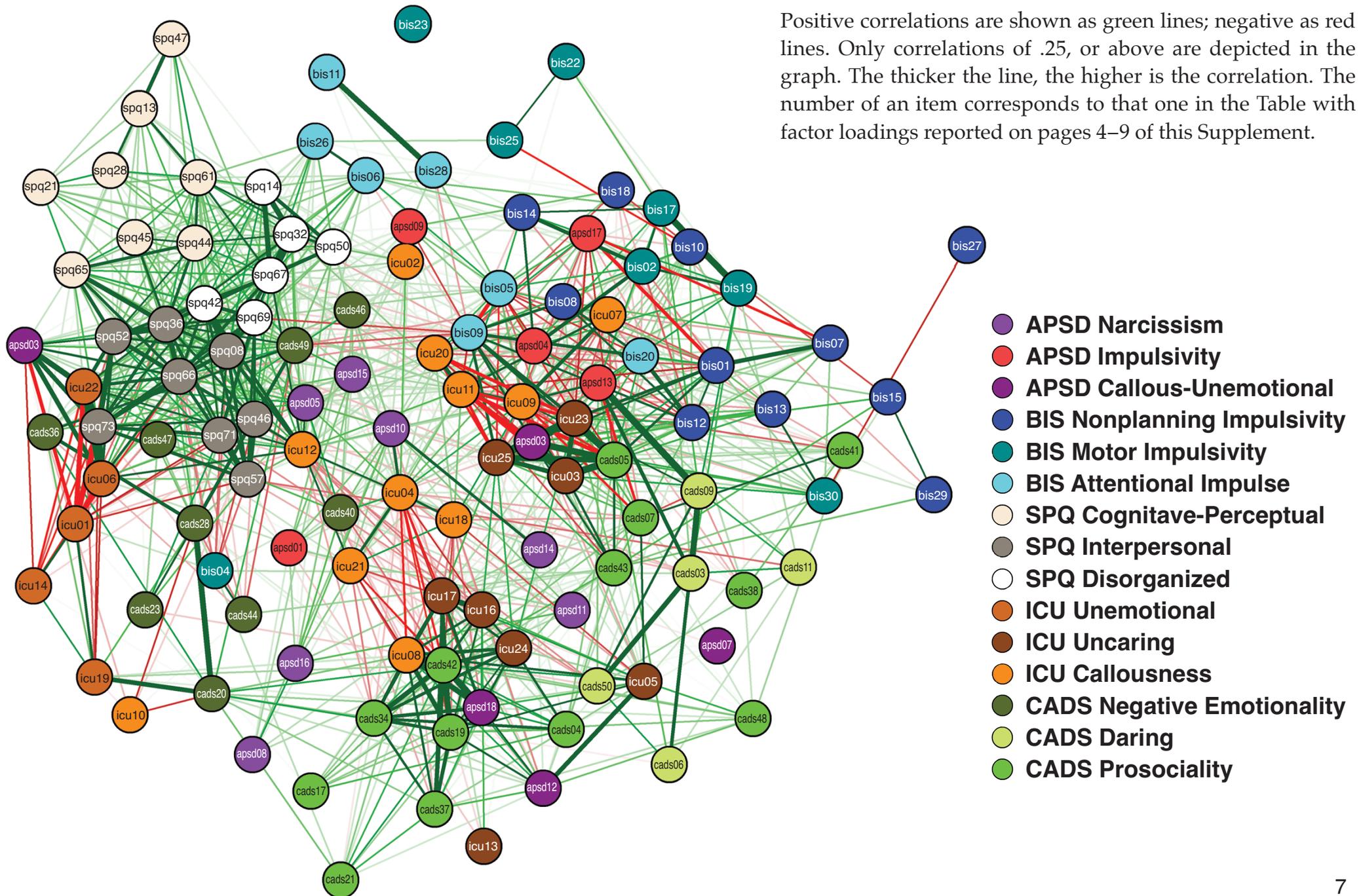


Figure 2. Age and Gender Effects on Levels of the General Factor and Specific Factors (with confidence intervals)

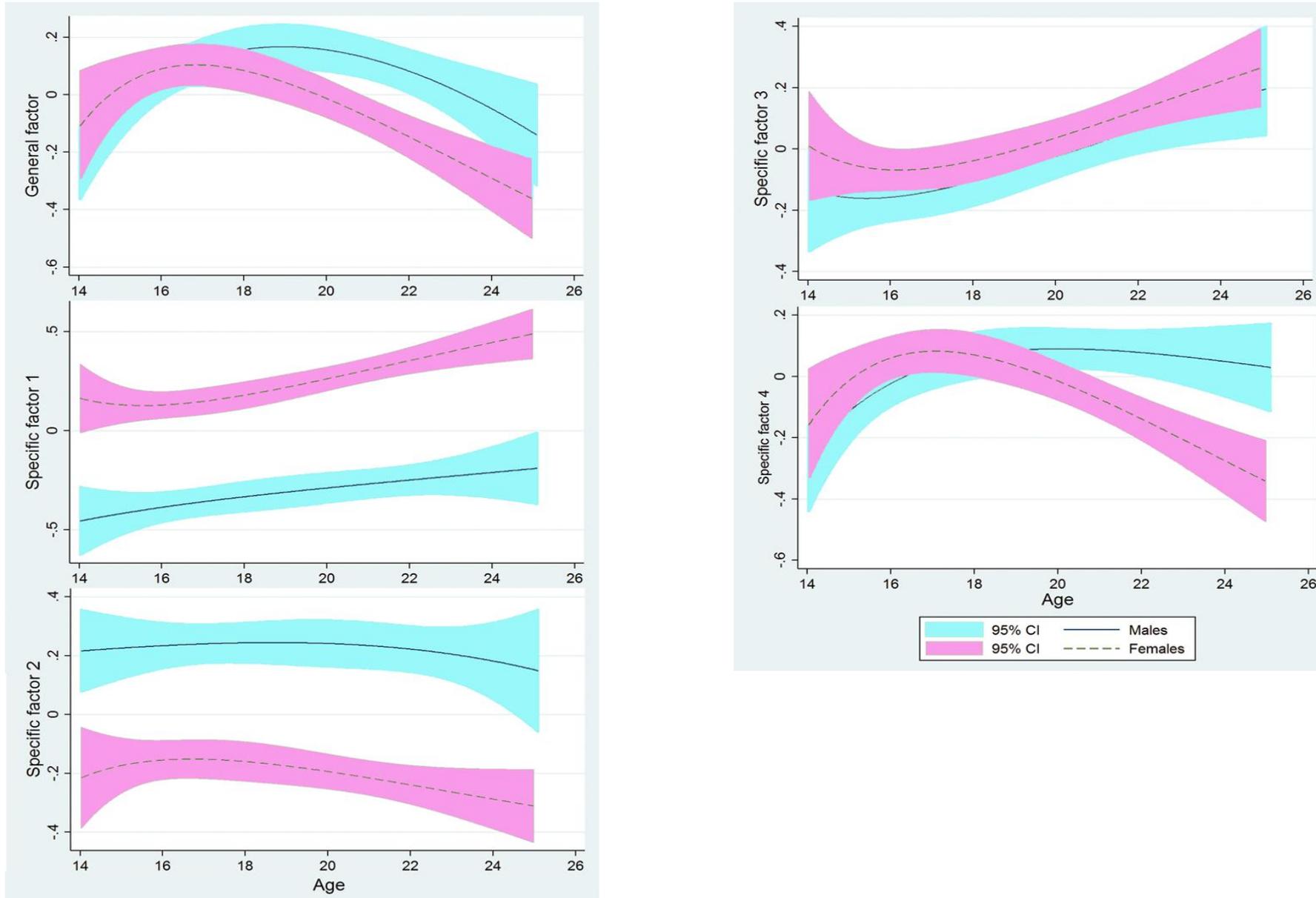


Table 1. Factor Loadings in bifactor EFA and CFA

| ITEM NR | SCALE | ITEM | EFA-GF | EFA-SF1 | EFA-SF2 | EFA-SF3 | EFA-SF4 | CFA-GF | CFA-SF1 | CFA-SF2 | CFA-SF3 | CFA-SF4 |
|---------|-------------------------|--|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| APSD01 | Impulsivity | <i>You blame others for your mistakes.</i> | .42* | -.13* | -.00 | .07* | -.20* | .40 | | | | |
| APSD03 | Callous-Unemotional | <i>You care about how well you do at school/work.</i> | -.39* | .14* | -.03 | .67* | -.13* | -.44 | | | .68 | |
| APSD04 | Impulsivity | <i>You act without thinking of the consequences.</i> | .50* | -.08* | .28* | -.22* | -.11* | .58 | | | | |
| APSD05 | Narcissism | <i>Your emotions are shallow and fake.</i> | .52* | -.12* | .04 | .03 | .19* | .55 | | | | |
| APSD07 | Callous-Unemotional | <i>You are good at keeping promises.</i> | -.26* | .20* | .14* | .13* | .15* | -.30 | | | | |
| APSD08 | Narcissism | <i>You brag a lot about your abilities, accomplishments, or possessions.</i> | .22* | -.18* | .18* | .24* | -.24* | .17 | | | | |
| APSD09 | Impulsivity | <i>You get bored easily.</i> | .48* | .04 | .06* | -.09* | .01 | .49 | | | | |
| APSD10 | Narcissism | <i>You use or con other people to get what you want.</i> | .54* | -.17* | .22* | .16* | -.12* | .51 | | | | |
| APSD11 | Narcissism | <i>You tease or make fun of other people.</i> | .31* | -.22* | .14* | .14* | -.17* | .30 | | | | |
| APSD12 | Callous-Unemotional | <i>You feel bad or guilty when you do something wrong.</i> | -.01 | .57* | -.08* | .18* | .00 | -.08 | .59 | | | |
| APSD13 | Impulsivity | <i>You do risky or dangerous things.</i> | .39* | -.05* | .66* | -.05* | .06* | .43 | | .65 | | |
| APSD14 | Narcissism | <i>You act charming and nice to get things you want.</i> | .28* | -.03 | .27* | .18* | -.21* | .23 | | | | |
| APSD15 | Narcissism | <i>You get angry when corrected or punished.</i> | .53* | .04 | -.03 | .06* | -.22* | .48 | | | | |
| APSD16 | Narcissism | <i>You think you are better or more important than other people.</i> | .31* | -.22* | .11* | .35* | -.22* | .30 | | | .26 | |
| APSD17 | Impulsivity | <i>You do not plan ahead or you leave things until the last minute.</i> | .36* | .03 | .19* | -.40* | .03 | .38 | | | -.40 | |
| APSD18 | Callous-Unemotional | <i>You are concerned about the feelings of others.</i> | -.26* | .71* | .06* | .03 | .01 | -.27 | .71 | | | |
| APSD19 | Callous-Unemotional | <i>You hide your feelings or emotions from others.</i> | .40* | .12* | .00 | .00 | .57* | .36 | | | | .63 |
| BIS01 | Nonplanning-Impulsivity | <i>I plan tasks carefully.</i> | -.30* | .10* | -.13* | .57* | .02 | -.33 | | | .57 | |
| BIS02 | Motor-Impulsivity | <i>I do things without thinking.</i> | .43* | .02 | .35* | -.25* | -.17* | .49 | | .34 | | |

Significance levels (2-tailed): * $P < 0.01$. Magnitude of Loadings: Negligible (below .10) □, Low (.1 to .3) □, Moderate (above .3 to .5) □, High (above .5) ■.

| ITEM NR | SCALE | ITEM | EFA-GF | EFA-SF1 | EFA-SF2 | EFA-SF3 | EFA-SF4 | CFA-GF | CFA-SF1 | CFA-SF2 | CFA-SF3 | CFA-SF4 |
|---------|-------------------------|--|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| BIS04 | Motor-Impulsivity | <i>I am happy-go-lucky.</i> | -.28* | .05* | .46* | -.02 | -.16* | -.29 | | .45 | | |
| BIS05 | Attentional-Impulsivity | <i>I don't pay attention.</i> | .52* | -.02 | .13* | -.35* | -.04 | .54 | | | -.30 | |
| BIS06 | Attentional-Impulsivity | <i>I have racing thoughts.</i> | .53* | .17* | .17* | .04 | .01 | .50 | | | | |
| BIS07 | Nonplanning-Impulsivity | <i>I plan trips well ahead of time.</i> | -.18* | .10* | -.16* | .49* | -.02 | -.21 | | | .50 | |
| BIS08 | Nonplanning-Impulsivity | <i>I am self-controlled.</i> | -.39* | -.01 | .08* | .40* | .14* | -.38 | | | .39 | |
| BIS09 | Attentional-Impulsivity | <i>I concentrate easily.</i> | -.54* | -.05* | .06* | .48* | .00 | -.54 | | | .45 | |
| BIS10 | Nonplanning-Impulsivity | <i>I save regularly.</i> | -.34* | -.02 | -.05* | .36* | .09* | -.34 | | | .34 | |
| BIS11 | Attentional-Impulsivity | <i>I squirm at plays and lectures.</i> | .37* | .04 | .03 | -.03 | .04 | .38 | | | | |
| BIS12 | Nonplanning-Impulsivity | <i>I am a careful thinker.</i> | -.34* | .12* | -.03 | .54* | .13* | -.36 | | | .52 | |
| BIS13 | Nonplanning-Impulsivity | <i>I plan for job security.</i> | -.22* | .09* | -.01 | .47* | -.02 | -.25 | | | .47 | |
| BIS14 | Nonplanning-Impulsivity | <i>I say things without thinking.</i> | .47* | .03 | .24* | -.11* | -.20* | .49 | | | | |
| BIS15 | Nonplanning-Impulsivity | <i>I like to think about complex problems.</i> | .01 | .06* | .25* | .47* | .08* | .00 | | | .45 | |
| BIS17 | Motor-Impulsivity | <i>I act on impulse.</i> | .38* | .10* | .53* | -.09* | -.19* | .39 | | .55 | | |
| BIS18 | Nonplanning-Impulsivity | <i>I get easily bored when solving thought problems.</i> | .33* | -.00 | -.03 | -.29* | -.09* | .40 | | | | |
| BIS19 | Motor-Impulsivity | <i>I act on the spur of the moment.</i> | .31* | .10* | .59* | -.14* | -.19* | .33 | | .62 | | |
| BIS20 | Attentional-Impulsivity | <i>I am a steady thinker.</i> | -.37* | -.01 | .07* | .50* | .11* | -.37 | | | .49 | |
| BIS22 | Motor-Impulsivity | <i>I buy things on impulse.</i> | .27* | .18* | .15* | -.06* | -.19* | .25 | | | | |

Significance levels (2-tailed): * $P < 0.01$. Magnitude of Loadings: Negligible (below .10) □, Low (.1 to .3) □, Moderate (above .3 to .5) □, High (above .5) ■.

| ITEM NR | SCALE | ITEM | EFA-GF | EFA-SF1 | EFA-SF2 | EFA-SF3 | EFA-SF4 | CFA-GF | CFA-SF1 | CFA-SF2 | CFA-SF3 | CFA-SF4 |
|---------|-------------------------|--|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| BIS23 | Motor-Impulsivity | <i>I can only think about one thing at a time.</i> | .23* | .01 | -.08* | -.08* | .03 | .25 | | | | |
| BIS25 | Motor-Impulsivity | <i>I spend or charge more than I earn.</i> | .40* | .09* | .11* | -.13* | -.14* | .40 | | | | |
| BIS26 | Attentional-Impulsivity | <i>I often have extraneous thoughts when thinking.</i> | .47* | .16* | .12* | .10* | .06 | .43 | | | | |
| BIS27 | Nonplanning-Impulsivity | <i>I am more interested in the present than the future.</i> | .07* | -.02 | .21* | -.23* | .00 | .15 | | | | |
| BIS28 | Attentional-Impulsivity | <i>I am restless at the theatre or lecture.</i> | .45* | .02 | .07* | -.10* | .03 | .48 | | | | |
| BIS29 | Nonplanning-Impulsivity | <i>I like puzzles.</i> | -.13* | .06* | .12* | .34* | .11* | -.13 | | | .34 | |
| BIS30 | Motor-Impulsivity | <i>I am future orientated.</i> | -.11* | .11* | .02 | .54* | -.08* | -.16 | | | .51 | |
| CADS03 | Daring | <i>Are you daring and adventurous?</i> | .07* | .03 | .77* | .08* | -.02 | .06 | | .78 | | |
| CADS04 | Prosociality | <i>Do you do things to help other people your age without being asked?</i> | -.19* | .47* | .32* | .19* | .04* | -.24 | .45 | | | |
| CADS05 | Prosociality | <i>Do you try to do excellent work in school or at work?</i> | -.36* | .21* | -.02 | .70* | -.07* | -.41 | | | .71 | |
| CADS06 | Daring | <i>Do you like rough games and sports?</i> | .00 | -.19* | .52* | .12* | .07* | .01 | | .53 | | |
| CADS07 | Prosociality | <i>Would you feel guilty if you did something that broke the law?</i> | -.32* | .31* | -.33* | .21* | .04* | -.44 | | -.33 | | |
| CADS09 | Daring | <i>Do you enjoy doing things that are risky or dangerous?</i> | .25* | -.10* | .77* | .00 | .06* | .28 | | .78 | | |
| CADS11 | Daring | <i>Do you like things that are exciting and loud?</i> | .04 | .07* | .49* | -.06* | -.17* | .04 | | .51 | | |
| CADS17 | Prosociality | <i>Do you share your things with other people without being asked?</i> | -.18* | .38* | .23* | .05* | -.11* | -.20 | .37 | | | |
| CADS19 | Prosociality | <i>Do you feel bad for other people when they get hurt?</i> | -.21* | .72* | -.06* | .05* | -.02 | -.25 | .73 | | | |
| CADS20 | Negative Emotionality | <i>Are you emotional?</i> | .16* | .61* | -.26* | .00 | -.39* | .11 | .63 | | | |
| CADS21 | Prosociality | <i>Would you get upset if you saw an animal being hurt?</i> | -.03 | .46* | -.12* | -.01 | -.09* | -.04 | .48 | | | |

Significance levels (2-tailed): * $P < 0.01$. Magnitude of Loadings: Negligible (below .10) □, Low (.1 to .3) □, Moderate (above .3 to .5) □, High (above .5) ■.

| ITEM NR | SCALE | ITEM | EFA-GF | EFA-SF1 | EFA-SF2 | EFA-SF3 | EFA-SF4 | CFA-GF | CFA-SF1 | CFA-SF2 | CFA-SF3 | CFA-SF4 |
|---------|-----------------------|---|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| CADS23 | Negative Emotionality | <i>Are you easily embarrassed?</i> | .25* | .29* | -.39* | .03 | .07 | .20 | | -.40 | | |
| CADS28 | Negative Emotionality | <i>Do you get upset easily?</i> | .43* | .51* | -.39* | .01 | -.21* | .41 | .58 | | | |
| CADS34 | Prosociality | <i>Do you try to cheer up other people your age who are sad or upset?</i> | -.22* | .66* | .21* | .07* | -.09* | -.25 | .64 | | | |
| CADS36 | Negative Emotionality | <i>Do you react intensely when you get upset?</i> | .46* | .29* | -.15* | .10* | -.26* | .37 | | | | |
| CADS37 | Prosociality | <i>Do you feel sorry for kids who get picked on?</i> | -.09* | .63* | -.04* | .05* | -.01 | -.11 | .64 | | | |
| CADS38 | Prosociality | <i>Are you cautious?</i> | -.03 | .26* | -.37* | .30* | .09* | -.15 | | -.39 | | |
| CADS40 | Negative Emotionality | <i>Are you selfish?</i> | .47* | -.19* | -.08* | .09* | -.18* | .45 | | | | |
| CADS41 | Prosociality | <i>Do you want everyone to follow the rules, including yourself?</i> | -.18* | .14* | -.28* | .34* | .08* | -.24 | | | .29 | |
| CADS42 | Prosociality | <i>Do you care about other people's feelings?</i> | -.31* | .81* | -.00 | .01 | -.02 | -.34 | .81 | | | |
| CADS43 | Prosociality | <i>Do you enjoy learning about new and interesting things?</i> | -.24* | .29* | .22* | .44* | -.02 | -.29 | | | .45 | |
| CADS44 | Negative Emotionality | <i>Are you calm and easy-going?</i> | -.35* | .06* | .42* | .01 | .11* | -.34 | | .35 | | |
| CADS46 | Negative Emotionality | <i>Do you exaggerate things and blow them out of proportion?</i> | .44* | .03 | .01 | .10* | -.30* | .40 | | | | -.19 |
| CADS47 | Negative Emotionality | <i>Are you jealous of what other people have?</i> | .46* | .11* | -.17* | .04 | -.14* | .40 | | | | |
| CADS48 | Prosociality | <i>Are you concerned about what is right and wrong?</i> | -.06* | .37* | -.11* | .27* | .00 | -.16 | .39 | | | |
| CADS49 | Negative Emotionality | <i>Do your moods change unpredictably?</i> | .61* | .28* | -.15* | -.05* | -.09 | .57 | | | | |
| CADS50 | Daring | <i>Are you brave?</i> | -.05 | -.01 | .62* | .17* | -.02 | -.10 | | .63 | | |
| ICU01 | Unemotional | <i>I express my feelings openly.</i> | -.31* | .13* | .17* | .06* | -.67* | -.30 | | | | -.73 |
| ICU02 | Callousness | <i>What I think is right and wrong is different from what other people think.</i> | .40* | -.06* | .18* | .13* | -.02 | .38 | | | | |
| ICU03 | Uncaring | <i>I care about how well I do at school or work.</i> | -.37* | .18* | .00 | .68* | -.10* | -.41 | | | .70 | |

Significance levels (2-tailed): * $P < 0.01$. Magnitude of Loadings: Negligible (below .10) □, Low (.1 to .3) □, Moderate (above .3 to .5) □, High (above .5) ■.

| ITEM NR | SCALE | ITEM | EFA-GF | EFA-SF1 | EFA-SF2 | EFA-SF3 | EFA-SF4 | CFA-GF | CFA-SF1 | CFA-SF2 | CFA-SF3 | CFA-SF4 |
|---------|----------------------|--|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| ICU04 | Callousness | <i>I do not care who I hurt to get what I want.</i> | .55* | -.41* | .21* | .20* | -.09* | .52 | -.38 | | | |
| ICU05 | Uncaring | <i>I feel bad or guilty when I do something wrong.</i> | -.17* | .54* | -.18* | .20* | .04 | -.25 | .53 | | | |
| ICU06 | Unemotional | <i>I do not show my emotions to others.</i> | .39* | -.11* | -.00 | .02 | .70* | .37 | | | | .74 |
| ICU07 | Callousness | <i>I do not care about being on time.</i> | .40* | -.08* | .24* | -.30* | .00 | .44 | | | -.27 | |
| ICU08 | Callousness | <i>I am concerned about the feelings of others.</i> | -.31* | .75* | -.01 | .04 | .00 | -.33 | .74 | | | |
| ICU09 | Callousness | <i>I do not care if I get into trouble.</i> | .42* | -.16* | .43* | -.24* | .08* | .54 | | .38 | | |
| ICU10 | Callousness | <i>I do not let my feelings control me.</i> | -.19* | -.25* | .26* | .13* | .27* | -.15 | | | | |
| ICU11 | Callousness | <i>I do not care about doing things well.</i> | .50* | -.10* | .08* | -.42* | .11* | .54 | | | -.41 | |
| ICU12 | Callousness | <i>I seem very cold and uncaring to others.</i> | .58* | -.24* | .00 | .14* | .27* | .61 | | | | |
| ICU13 | Uncaring | <i>I easily admit to being wrong.</i> | -.24* | .27* | .10* | .01 | .15* | -.26 | | | | |
| ICU14 | Unemotional | <i>It is easy for others to tell how I am feeling.</i> | -.23* | .21* | .05* | .02 | -.47* | -.24 | | | | -.53 |
| ICU15 | Uncaring | <i>I always try my best.</i> | -.48* | .20* | .06* | .62* | .03 | -.50 | | | .64 | |
| ICU16 | Uncaring | <i>I apologise (say I am sorry) to persons I hurt.</i> | -.38* | .55* | .05* | .05* | .10* | -.40 | .52 | | | |
| ICU17 | Uncaring | <i>I try not to hurt others feelings.</i> | -.41* | .62* | .01 | .02 | .16* | -.42 | .60 | | | |
| ICU18 | Callousness | <i>I do not feel remorseful when I do something wrong.</i> | .39* | -.32* | .19* | -.04 | .05 | .43 | -.32 | | | |
| ICU19 | Unemotional | <i>I am very expressive and emotional.</i> | -.01 | .43* | -.03 | .06* | -.56* | -.08 | | | | -.54 |
| ICU20 | Callousness | <i>I do not like to put the time into doing things well.</i> | .47* | -.08* | .04 | -.32* | .03 | .48 | | | -.33 | |
| ICU21 | Callousness | <i>The feelings of others are unimportant to me.</i> | .40* | -.40* | .09* | .07* | .11* | .41 | -.38 | | | |
| ICU22 | Unemotional | <i>I hide my feelings from others.</i> | .46* | .01 | -.02 | .04 | .70* | .42 | | | | .74 |
| ICU23 | Uncaring | <i>I work hard on everything I do.</i> | -.46* | .16* | .03 | .67* | .03* | -.47 | | | .69 | |
| ICU24 | Uncaring | <i>I do things to make others feel good.</i> | -.30* | .56* | .17* | .18* | .01 | -.36 | .54 | | | |
| SPQ08 | Interpersonal | <i>People sometimes find me aloof and distant.</i> | .61* | .08* | -.14* | .04 | .31* | .59 | | | | .27 |
| SPQ13 | Cognitive-Perceptual | <i>Have you ever had the sense that some person or force is around you, even though you cannot see anyone?</i> | .37* | .22* | .06* | .03 | .10* | .34 | | | | |
| SPQ14 | Disorganized | <i>People sometimes comment on my unusual mannerisms and habits.</i> | .55* | .13* | .10* | .11* | .11* | .52 | | | | |
| SPQ21 | Cognitive-Perceptual | <i>Are you sometimes sure that other people can tell what you are thinking?</i> | .38* | .20* | .00 | .08* | .00 | .34 | | | | |

Significance levels (2-tailed): * $P < 0.01$. Magnitude of Loadings: Negligible (below .10) □, Low (.1 to .3) □, Moderate (above .3 to .5) □, High (above .5) ■.

| ITEM NR | SCALE | ITEM | EFA-GF | EFA-SF1 | EFA-SF2 | EFA-SF3 | EFA-SF4 | CFA-GF | CFA-SF1 | CFA-SF2 | CFA-SF3 | CFA-SF4 |
|---------|----------------------|---|--------|---------|---------|---------|---------|--------|---------|---------|---------|---------|
| SPQ28 | Cognitive-Perceptual | <i>Have you ever noticed a common event or object that seemed to be a special sign for you?</i> | .41* | .18* | .08* | .15* | .00 | .35 | | | | |
| SPQ32 | Disorganized | <i>Some people think that I am a very bizarre person.</i> | .66* | .15* | .06* | .09* | .12 | .64 | | | | |
| SPQ36 | Interpersonal | <i>I feel I have to be on my guard even with friends.</i> | .66* | .14* | -.17* | .12* | .28* | .65 | | | | |
| SPQ42 | Disorganized | <i>Some people find me a bit vague and elusive during a conversation.</i> | .58* | .05 | -.11* | .05 | .31* | .56 | | | | .27 |
| SPQ44 | Cognitive-Perceptual | <i>Do you often pick up hidden threats or put-downs from what people say?</i> | .58* | .17* | .00 | .11* | .10 | .54 | | | | |
| SPQ45 | Cognitive-Perceptual | <i>When shopping, do you get the feeling that other people are taking notice of you?</i> | .50* | .20* | -.06* | .03 | .07 | .47 | | | | |
| SPQ46 | Interpersonal | <i>I feel very uncomfortable in social situations involving unfamiliar people.</i> | .52* | .11* | -.54* | -.01 | .32* | .55 | | -.64 | | |
| SPQ47 | Cognitive-Perceptual | <i>Have you had experiences with astrology, seeing the future, UFOs, ESP, or a sixth sense?</i> | .31* | .13* | .09* | .08* | .08 | .28 | | | | |
| SPQ50 | Disorganized | <i>I sometimes use words in unusual ways.</i> | .54* | .02 | .18* | .17* | .07 | .50 | | | | |
| SPQ52 | Interpersonal | <i>Have you found that it is best not to let other people know too much about you?</i> | .56* | .05* | -.09* | .09* | .43* | .52 | | | | .46 |
| SPQ57 | Interpersonal | <i>I tend to keep in the background on social occasions.</i> | .42* | .04 | -.45* | -.03 | .40* | .48 | | -.53 | | |
| SPQ61 | Cognitive-Perceptual | <i>Do you ever suddenly feel distracted by distant sounds that you are not normally aware of?</i> | .50* | .13* | .04 | .07* | .17* | .49 | | | | |
| SPQ65 | Cognitive-Perceptual | <i>Do you often have to keep an eye out to stop people from taking advantage of you?</i> | .51* | .24* | -.05 | .14* | .18* | .47 | | | | |
| SPQ66 | Interpersonal | <i>Do you feel that you cannot get close to people?</i> | .60* | .06* | -.20* | .06* | .39* | .57 | | | | .41 |
| SPQ67 | Disorganized | <i>I am an odd, unusual person.</i> | .70* | .13* | .03 | .12* | .21* | .68 | | | | |
| SPQ69 | Disorganized | <i>I find it hard to communicate clearly what I want to say to people.</i> | .56* | .09* | -.20* | -.04 | .26* | .59 | | | | |
| SPQ71 | Interpersonal | <i>I feel very uneasy talking to people I do not know well.</i> | .51* | .08* | -.51* | -.05* | .36* | .56 | | -.60 | | |
| SPQ73 | Interpersonal | <i>I tend to keep my feelings to myself.</i> | .45* | -.04 | -.15* | .06* | .72* | .43 | | | | .75 |

Significance levels (2-tailed): * $P < 0.01$. Magnitude of Loadings: Negligible (below .10) □, Low (.1 to .3) □, Moderate (above .3 to .5) □, High (above .5) ■.