

**Supplementary Table S1.** Neuropsychological tests and questionnaires for each (cognitive) domain.

Domain	Tests or questionnaires
Intelligence	WAIS-III, WAIS-IV, WISC-III, WISC-IV, WISC-V, SON-R 6-40*, RAKIT-2*, KAIT*
Speed of information processing	Processing Speed Index; WAIS-III, WAIS-IV, WISC-III, WISC-V, SON-R 6-40* Baseline conditions; Stroop Color Word Test, (D-KEFS) Trail Making Test, D-KEFS Color Word Interference Test, d2 Cancellation Test, Bourdon-Vos Test*
Sustained attention	d2 Cancellation Test Rapid Visual Information Processing; CANTAB Bourdon-Vos Test* Paced Auditory Serial Addition Task*
Executive functioning	Interference condition; Stroop Color Word Test, D-KEFS Color Word Interference Test
<i>Inhibition</i>	Inhibition subtests; NEPSY-II*, IDS-2*
<i>Cognitive flexibility</i>	Flexibility conditions; (D-KEFS) Trail Making Test, D-KEFS Color Word Interference Test Wisconsin Card Sorting Test Intra-Extra Dimensional Set Shift; CANTAB Flexibility subtests; BADS*, BADS-C*
<i>Working memory</i>	Working Memory Index; WAIS-III, WAIS-IV-NL, WISC-V-NL Subtest Digit Span; WISC-III-NL* Spatial Working Memory, Spatial Span; CANTAB* Circle span task; NETOL*
<i>Planning abilities</i>	Tower of London D-KEFS Tower Test Test Stockings of Cambridge; CANTAB Total score (or separate subtests*); BADS, BADS-C Subtest Mazes; WISC-III, RAKIT-2* Subtest Route Finding; NEPSY-II*
Episodic memory	
<i>Verbal memory</i>	Rey Auditory Verbal Learning Test for children and adults Subtests Narrative Memory, Sentence Repetition, Word List Interference; NEPSY-II* Subtests Eight Words Test, Story; NETOL* Subtest Stories; IDS-2* Subtest Stories; Rivermead Behavioural Memory Test – Third Edition*
<i>Visual memory</i>	Rey-Osterrieth Complex Figure Test Location Learning Test – Revised Paired Associates Learning; CANTAB* Subtests Memory for Designs, Memory for Designs Delayed; NEPSY-II* Subtest Visual Memory; NETOL* Subtests Picture Description, Recognizing Figures, Recognizing Rotated Figures; IDS-2* Visual Association Test (- Extended)*
Social cognition	
<i>Emotion recognition</i>	Emotion Recognition Task Subtest Affect Recognition; NEPSY-II
<i>Mentalizing abilities</i>	Theory of Mind Test Revised Subtest Theory of Mind; NEPSY-II Faux-Pas Task Strange Stories Test Social Interpretation Test*

# ADOS(-2)\*

General psychopathology	<p>Screening questionnaires and Structured Clinical Interviews* of the DSM-IV; SCID-I and II</p> <p>Shedler-Westen Assessment Procedure (SWAP)*</p> <p>MMPI-2, MMPI-2-RF, MMPI-A*</p> <p>NEO Personality Inventory-3 (NEO-PI-3)*</p> <p>Screening of the Dimensional Assessment of Personality Pathology (DAPP)*</p> <p>Five-Factor Personality Inventory (FFPI)*</p> <p>Symptom Checklist-90 Revised (SCL-90-R)</p> <p>Outcome Questionnaire (OQ-45)*</p> <p>Spielberger State-trait Anxiety Inventory (ZBV)*</p> <p>FEEL-E*, FEEL-KJ*</p> <p>Scale for Interpersonal Behavior (SIB)</p> <p>Inventory of Interpersonal Situations (IOA)*</p> <p>Beck Depression Inventory-II (BDI-II-NL)</p> <p>Hamilton Rating Scale for Depression (HDRS)*</p> <p>Self-Rating Depression Scale (SDS)*</p> <p>Children's Depression Inventory (CDI)*</p> <p>Child Behavior Checklist (CBCL), Adult Behavior Checklist (ABCL)*</p> <p>Strengths and Difficulties Questionnaire (SDQ)*</p>
Alexithymia	<p>Twenty-item Toronto Alexithymia Scale (TAS-20)</p> <p>Bermond-Vorst Alexithymia Questionnaire (BVAQ)</p> <p>Alexithymia Questionnaire for Children (AQC)*</p>

*Note.* More details on the individual tests and their administration, scoring, and norms can be found elsewhere [69,70–72].

\*Tests and questionnaires which were used only occasionally (less than 10 times).

WAIS-III = Wechsler Adult Intelligence Scale third edition; WAIS-IV-NL = Wechsler Adult Intelligence Scale fourth edition; WISC-III-NL = Wechsler Intelligence Scale for Children third edition; WISC-V-NL = Wechsler Intelligence Scale for Children fifth edition; SON-R 6-40 = Non-verbal intelligence test; RAKIT-2 = Revised Amsterdam Children's Intelligence Test; KAIT = Kaufman – Adolescent and Adult Intelligence Test; D-KEFS = Delis-Kaplan Executive Function System; CANTAB = Cambridge Neuropsychological Test Automated Battery; IDS-2 = Intelligence and Development Scales – 2nd Edition; BADS = Behavioural Assessment of the Dysexecutive Syndrome; BADS-C = Behavioural Assessment of the Dysexecutive Syndrome in Children; NETOL = Neuropsychological Test Series for Elderly People with Mild Intellectual Disability; ADOS = Autism Diagnostic Observation Schedule; MMPI = Minnesota Multiphasic Personality Inventories.