**Supplementary Table 1: Individual Results of Neuropsychological Testing**

| Task/ Cognitive Domain | | | | | | | | | P1 | P2 | P3 | P4 | P5 | P6 | P7 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Premorbid IQ** | | | | | | | | |  |  |  |  |  |  |  |
| TOPF predicted FSIQ-2 | | | | | | | | | SS106, PR66 | SS102, PR55 | SS84, PR14 | SS91, PR27 | SS104, PR61 | SS105, PR63 | SS97, PR42 |
| **Current IQ** | | | | | | | | |  |  |  |  |  |  |  |
| FSIQ-2 | | | |  | | | | | SS110, PR75 | SS109, PR73 | SS100, PR50 | SS94, PR34 | SS94, PR34 | SS109, PR73 | SS102, PR55 |
|  | | | | Matrix Reasoninga | | | | | TS56, PR73 | TS55, PR68 | TS48, PR42 | TS46, PR34 | TS40, PR16\* | TS58, PR79 | TS49, PR45 |
|  | | | | Vocabularya | | | | | TS56, PR73 | TS55, PR68 | TS52, PR58 | TS47, PR37 | TS54, PR66 | TS53, PR61 | TS53, PR61 |
| **Verbal Memory** | | | | | | | | |  |  |  |  |  |  |  |
| Story Recall: | | | | | | | Immediate | | SS12, PR75 | SS10, PR50 | SS10, PR50 | SS1, PR<1\*\*\* | SS10, PR50 | SS10, PR50 | SS12, PR75 |
|  | | | | | | | Delayed | | SS11, PR63 | SS10, PR50 | SS10, PR50 | SS1, PR<1\*\*\* | SS5, PR5\*\* | SS10, PR50 | SS7, PR16\* |
|  | | | | | | | Recognition | | PR>75 | PR>75 | PR>75 | PR≤2\*\*\* | PR10–16\*\* | PR51–75 | PR26–50 |
| Word Pair Recall: | | | | | | | Immediate | | SS8, PR25\*\* | SS10, PR50 | SS12, PR75 | SS5, PR5\*\* | SS7, PR16\*\* | SS11, PR63 | SS6, PR9\*\* |
|  | | | | | | | Delayed | | SS10, PR50 | SS10, PR50 | SS9, PR37\* | SS4, PR2\*\*\* | SS5, PR5\*\*\* | SS14, PR91 | SS5, PR5\*\*\* |
|  | | | | | | | Recognition | | PR26–50\* | PR26 –50\* | PR26–50\* | PR3–9\*\*\* | PR10–16\*\*\* | PR>75 | PR10–16\*\*\* |
| **Visual Memory** | | | | | | | | |  |  |  |  |  |  |  |
| Rey Figure Recall: | | | | | | | Immediate | | TS64, PR92 | TS<20, PR<1\*\*\* | TS<20, PR<1\*\* | TS<20, PR<1\*\*\* | TS31, PR3\*\* | TS67, PR96 | TS43, PR24 |
|  | | | | | | | Delayed | | TS66, PR95 | TS<20, PR<1\*\*\* | TS34, PR5\* | TS<20, PR<1\*\*\* | TS23, PR<1\*\*\* | TS73, PR99 | TS43, PR24 |
|  | | | | | | | Recognition | | TS38, PR12\* | TS38, PR12 | TS35, PR7\* | TS51, PR54 | TS<20, PR<1\*\*\* | TS54, PR66 | TS50, PR50 |
| **Semantic Memory** | | | | | | | | |  |  |  |  |  |  |  |
| Pyramids & Palm Trees Test | | | | | | | | | 51 | 50 | 50 | 46\*\* | 51 | 51 | - |
| **Working Memory** | | | | | | | | |  |  |  |  |  |  |  |
| Digit Span: | | | | | | | Total | | SS10, PR50 | SS11, PR63 | SS8, PR25 | SS7, PR16\* | SS11, PR63 | SS9, PR37 | SS9, PR37 |
|  | | | | | | | Backwards | | SS9, PR37 | SS9, PR37 | SS8, PR25 | SS10, PR50 | SS11, PR63 | SS11, PR63 | SS8, PR25 |
|  | | | | | | | Sequencing | | SS10, PR50 | SS17, PR99 | SS9, PR37 | SS6, PR9\* | SS10, PR50 | SS10, PR50 | SS10, PR50 |
| **Language** | | | | | | | | |  |  |  |  |  |  |  |
| Graded Naming Testa | | | | | | | | | RS24, PR>75 | RS16, PR>10 | RS21, PR>50 | RS12, PR<5\* | RS21, PR>50 | RS19, PR>25 | - |
| Spontaneous Speech: | | | | | | | WPM | | 132.00 | 115.56 | 142.94 | 66.10\*\* | 120.00 | 104.00 | 120.00 |
|  | | | | | | | Utterances | | 11.00 | 12.00 | 12.00 | 6.00 | 6.00 | 10.00 | 10.00 |
| **Visual-Spatial Reasoning & Organisation** | | | | | | | | |  |  |  |  |  |  |  |
| Rey Figure Copy Triala | | | | | | | | | PR>16 | PR≤1\* | PR6–10 | PR2–5\* | PR>16 | PR>16 | PR>16 |
| **Attention & Information Processing Speed** | | | | | | | | |  |  |  |  |  |  |  |
| Digit Span Forwards | | | | | | | | | SS12, PR75 | SS7, PR16 | SS8, PR25 | SS7, PR16 | SS10, PR50 | SS7, PR16 | SS8, PR25 |
| Visual Scanning Time | | | | | | | | | SS10, PR50 | SS12, PR75 | SS11, PR63 | SS10, PR50 | SS11, PR63 | SS10, PR50 | SS13, PR84 |
| Letter Sequencing Time | | | | | | | | | SS14, PR91 | SS12, PR75 | SS12, PR75 | SS2, PR<1\*\*\* | SS13, PR84 | SS14, PR91 | SS12, PR75 |
| Number Sequencing Time | | | | | | | | | SS13, PR84 | SS11, PR63 | SS9, PR37 | SS1, PR<1\*\*\* | SS13, PR84 | SS11, PR63 | SS11, PR63 |
| Motor Speed Time | | | | | | | | | SS11, PR63 | SS10, PR50 | SS11, PR63 | SS10, PR50 | SS11, PR63 | SS10, PR50 | SS11, PR63 |
| Colour Naming Time | | | | | | | | | SS8, PR25\* | SS13, PR84 | SS9, PR37 | SS6, PR9\*\* | SS11, PR63 | SS10, PR50 | SS9, PR37 |
| Word Reading Time | | | | | | | | | SS8, PR25\* | SS10, PR50 | SS9, PR37 | SS5, PR5\*\* | SS12, PR75 | SS11, PR63 | SS12, PR75 |
| PRP: | Accuracy 1 | | | | | | | | 0.9667 | 0.9833 | 1.0000 | 0.8000\* | 1.0000 | 1.0000 | 1.0000 |
|  | Accuracy 2 | | | | | | | | 0.9667 | 0.9833 | 1.0000 | 0.5667\*\*\* | 0.9333 | 1.0000 | 1.0000 |
|  | T1 RT short SOA | | | | | | | | 1.2442 | 1.4398 | 1.2819 | 0.7845 | 1.2482 | 0.9927 | 1.0990 |
|  | T1 RT long SOA | | | | | | | | 1.5350 | 1.7420 | 1.7593 | 1.4408 | 1.9444 | 1.3938 | 1.6842 |
|  | T2 RT short SOA | | | | | | | | 1.5761 | 1.7824 | 1.7016 | 0.9531 | 1.5179 | 1.1143 | 1.0860 |
|  | T1 RT long SOA | | | | | | | | 1.1738 | 1.3059 | 1.3035 | 1.2114 | 1.3704 | 0.8696 | 0.8597 |
| SART: | Commission Accuracy | | | | | | | | 0.6400 | 0.8400 | 1.0000 | 0.4000 | 0.8000 | 0.9200 | 0.7600 |
|  | Commission RT | | | | | | | | 0.4376 | 0.3534 | NA | 0.6617\*\* | 0.3711 | 0.7875\*\*\* | 0.3113 |
|  | Omission Accuracy | | | | | | | | 0.9600 | 0.9900 | 1.0000 | 0.7000\*\*\* | 0.9950 | 0.9950 | 0.9700 |
|  | Omission RT | | | | | | | | 0.5121 | 0.4901 | 0.5119 | 0.4633 | 0.4514 | 0.5863\* | 0.4047 |
| **Executive Functioning** | | | | | | | | |  |  |  |  |  |  |  |
| Trail Making Test (Switching Task): | | | | | | Time | | | SS13, PR84 | SS11, PR63 | SS9, PR37 | SS4, PR2\*\* | SS11, PR63 | SS12, PR75 | SS11, PR63 |
| Errors | | | SS12, PR75 | SS12, PR75 | SS12, PR75 | SS12, PR75 | SS10, PR50 | SS12, PR75 | SS12, PR75 |
| Verbal Fluency: | | | Letter Fluency | | | | | | SS9, PR37 | SS8, PR25 | SS14, PR91 | SS7, PR16\* | SS10, PR50 | SS9, PR37 | SS9, PR37 |
| Category Fluencya | | | | | | SS13, PR84 | SS12, PR75 | SS12, PR75 | SS12, PR75 | SS7, PR16 | SS12, PR75 | SS6, PR9\* |
| Category Switching | | | | | | SS11, PR63 | SS10, PR50 | SS14, PR91 | SS6, PR9 | SS15, PR95 | SS11, PR63 | SS4, PR2\* |
| Set-Loss Errors | | | | | | SS10, PR50 | SS4, PR2\*\* | SS11, PR63 | SS6, PR9\* | SS13, PR84 | SS11, PR63 | SS11, PR63 |
| Repetition Errors | | | | | | SS10, PR50 | SS12, PR75 | SS8, PR25 | SS8, PR25 | SS11, PR63 | SS11, PR63 | SS1, PR<1\* |
| Inhibition (Stroop) Test : | | | | | | | | Time | SS6, PR9\*\* | SS13, PR84 | SS9, PR37 | SS6, PR9\*\* | SS15, PR95 | SS11, PR63 | SS10, PR 50 |
|  | | | | | | | | Errors | SS7, PR16\* | SS10, PR50 | SS11, PR63 | SS4, PR2\*\*\* | SS12, PR75 | SS12, PR75 | SS7, PR16\*\* |
| Inhibition/ Switching Test: | | | | | | | | Time | SS9, PR37 | SS13, PR84 | SS10, PR50 | SS10, PR50 | SS12, PR75 | SS11, PR63 | SS11, PR63 |
|  | | | | | | | | Errors | SS11, PR63 | SS12, PR75 | SS10, PR50 | SS11, PR63 | SS12, PR75 | SS12, PR75 | SS10, PR 50 |
| Tower Test: | | | Achievement Score | | | | | | SS 13, PR 84 | SS 13, PR 84 | SS 10, PR 50 | SS 4, PR 2\*\* | SS 9, PR 37 | SS 9, PR 37 | SS 10, PR50 |
|  | | | Rule Violations | | | | | | SS11, PR63 | SS10, PR50 | SS10, PR50 | SS10, PR50 | SS3, PR1\*\*\* | SS11, PR63 | SS9, PR37\*\* |
| Proverbs Test: | | | Achievement Score | | | | | | SS13, PR84 | SS12, PR75 | SS13, PR84 | SS8, PR25\* | SS12, PR75 | SS13, PR84 | SS9, PR37\* |
|  | | | Multiple-Choice | | | | | | RS32, CPR100 | RS32, CPR100 | RS32, CPR100 | RS26,CPR10\*\*\* | RS32, CPR100 | RS32, CPR100 | RS32, CPR100 |
| Hayling: | | | Initiation RT | | | | | | SS7, PR75 | SS6, PR50 | SS6, PR50 | SS5, PR25 | SS6, PR50 | SS5, PR25\*\* | - |
|  | | | Suppression RT | | | | | | SS6, PR50 | SS4, PR10\* | SS6, PR50 | SS6, PR50 | SS5, PR25\* | SS6, PR50 | - |
|  | | | Suppression Errors | | | | | | SS6, PR50\*\* | SS7, PR75 | SS7, PR75 | SS6, PR50\* | SS7, PR75 | SS8, PR90 | - |
|  | | | Overall Score | | | | | | SS6, PR50 | SS6, PR50 | SS6, PR50 | SS6, PR50 | SS6, PR50 | SS6, PR50 | - |
| **Social Cognition** | | | | | | | | |  |  |  |  |  |  |  |
| Mind in the Eyes Test | | | | | | | Total Score | | 31 | 23\* | 27 | 17\*\*\* | 28 | 32 | 23\* |
| Advanced ToM Test: | | | Comprehension Score | | | | | | 15 | 13 | 14 | 11\*\* | 13 | 13 | 14 |
| Physical Info | | | | | | 2 | 3 | 0 | 6\*\* | 1 | 2 | 4 |
| Mental State Info | | | | | | 13 | 12\* | 15 | 10\*\*\* | 14 | 13 | 13 |
| Social Situations | | | Normative Correct | | | | | | 15 | 15 | 17 | 14 | 16 | 17 | 14 |
| Violations Correct | | | | | | 20 | 18 | 13\*\*\* | 12\*\*\* | 20 | 17 | 19 |
| Task: | | Violation Severity Score | | | | | | | 41 | 42 | 18\*\*\* | 23\*\* | 29\* | 33 | 37 |
| Emotion Attribution Task: | | | | | Happy Correct | | | | 15 | 15 | 15 | 15 | 15 | 14 | 15 |
| Sad Correct | | | | 13 | 9 | 10 | 12 | 15 | 14 | 14 |
| Angry Correct | | | | 12 | 12 | 12 | 8 | 6 | 11 | 10 |
| Fearful Correct | | | | 15 | 15 | 15 | 14 | 15 | 14 | 14 |
| Embarrassed Correct | | | | 1\*\*\* | 10 | 14 | 12 | 10 | 13 | 12 |
| Total Correct | | | | 56 | 61 | 66 | 61 | 61 | 66 | 65 |
| **Psychological Health** | | | | | | | | |  |  |  |  |  |  |  |
| HADS Anxiety | | | | | | | | | 12 | 7 | 10 | 6 | 10 | 9 | 7 |
| HADS Depression | | | | | | | | | 11 | 0 | 1 | 5 | 7 | 1 | 2 |
| *# of significant differences from controls on tests of standard neurocognition* | | | | | | | | | 8 | 6 | 5 | 30 | 11 | 3 | 10 |
| *# of significant differences from controls on tests of social cognition* | | | | | | | | | 1 | 2 | 2 | 6 | 1 | 0 | 1 |
| **Total** | | | | | | | | | 9 | 8 | 7 | 36 | 12 | 3 | 11 |

Difference of raw score from controls significant at \* *p* < .05, \*\* *p* < .01*, \*\*\* p* < .001, one-tailed significance, except for TOPF (no directional predictions); Grey shaded cells: clinically significant score based on normative data.

*Notes:* CPR = cumulative percentile rank; FSIQ-2 = Full Scale Intelligence Quotient, 2 subtest version; Info = information; PR = percentile rank; PRP = Psychological Refractory Period; RS = Raw Score; RT = Reaction Time; SART = Sustained Attention to Response Task; SOA = Stimulus Onset Asynchrony; SS = Scaled Score; T1 = Target 1; T2 = Target 2; ToM = Theory of Mind; TS = T Score.  
a Measure taps multiple domains