**Supplementary Tables**

S1. Spearman correlations of age, sex, IQ, trait and dependent variables for the total sample (above diagonal) and within the PD group (below diagonal)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1. | 2.# | 3. | 4. | 5. | 6. | 7. | 8. | 9. |  |
| 1. age
 |  | .026\*\* | -.011\*\* | -.078\*\* | -.050\*\* | -.057\*\* | .024\*\* | -.174\*\* | .081\*\* |  |
| 1. sex#
 | -.010\*\* |  | -.021\*\* | -.158\*\* | -.064\*\* | .067\*\* | -.218\*\* | .015\*\* | .312\*\* |  |
| 1. IQ
 | -.043\*\* | -.063\*\* |  | -.225\*\* | -.105\*\* | -.096\*\* | -.254\*\* | .288\*\* | .301\*\* |  |
| 1. CAPE Positive
 | .024\*\* | -.007\*\* | -.128\*\* |  | .639\*\* | .601\*\* | .482\*\* | -.043\*\* | -.468\*\* |  |
| 1. CAPE Negative
 | .023\*\* | .090\*\* | .006\*\* | .561\*\* |  | .794\*\* | .488\*\* | .007\*\* | -.485\*\* |  |
| 1. CAPE Depressive
 | .001\*\* | .242\*\* | .041\*\* | .548\*\* | .746\*\* |  | .419\*\* | .012\*\* | -.393\*\* |  |
| 1. AQ Total
 | .090\*\* | -.032\*\* | -.172\*\* | .332\*\* | .358\*\* | .325\*\* |  | -.126\*\* | -.596\*\* |  |
| 1. PST-FB
 | -.155\*\* | -.019\*\* | .288\*\* | -.046\*\* | .026\*\* | .061\*\* | -.102\*\* |  | .105\*\* |  |
| 1. SFS
 | -.113\*\* | .179\*\* | .254\*\* | -.296\*\* | -.340\*\* | .238\*\* | -.496\*\* | .083\*\* |  |  |

#point-biserial correlations (male = 0; female =1); \* *p* <.05; \*\* *p* <.005

S2. *Generalized linear models for social functioning in PD group*

a. Dependent: Picture Sequencing Task – False Belief stories (x2 = 68.95, df = 6, p = .000)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **B** | **SE** | **Waldχ2** | **df** | ***p*** |
| Total AQ | -.026 | .030 | .754 | 1 | .385 |
| CAPE Positive | -.009 | .023 | .159 | 1 | .690 |
| Age | -.145 | .031 | 22.301 | 1 | **< .001** |
| IQ | .070 | .011 | 44.549 | 1 | **< .001** |
| Total AQ \* Age | -.007 | .004 | 2.989 | 1 | .084 |
| Total AQ \* CAPE Positive | .000 | .003 | .012 | 1 | .963 |

b. Dependent: Social Functioning Scale – Total score (x2 = 230.89, df = 7, p = .000)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **B** | **SE** | **Waldχ2** | **df** | ***p*** |
| Total AQ | -.475 | .402 | 86.494 | 1 | **<.001** |
| CAPE Positive | -.028 | .051 | .430 | 1 | .512 |
| CAPE Negative | -.267 | .043 | 23.793 | 1 | **< .001** |
| Age | -.102 | .055 | 4.559 | 1 |  .033 |
| Sex | 4.026 | .048 | 38.687 | 1 | **< .001** |
| IQ | .089 | .011 | 23.574 | 1 | **< .001** |
| Total AQ \* CAPE Positive | -.001 | .003 | .014 | 1 | .907 |