## Online supplement 5 Complete relevant values of W-scores and behavioral data

We identified clinically relevant networks by analyzing the distribution of network data in ASD patients relative to their questionnaire scores. The W-scores of individuals showed varying degrees of significant correlation with scores on various subscales of the Social Responsiveness Scale (SRS). The complete relevant values and the related p(corrected) values are listed below. Among which, the highlighted cell shows the corrected significant correlation value.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **SRS Total Raw Score** | **SRS Social Awareness**  | **SRS Social Cognition**  | **SRS Social Communication**  | **SRS Social Motivation**  | **SRS Autistic Mannerisms**  |
| **Overall\_FC\_within** | r | 0.078 | -.155\* | -0.068 | -0.11 | -0.076 | -0.075 |
| p(corrected) | 0.279 | 0.033 | 0.092 | 0.058 | 0.213 | 0.216 |
| **Overall\_FC\_between** | r | 0.085 | -0.093 | -0.063 | -0.097 | -0.003 | -0.077 |
| p(corrected) | 0.241 | 0.07 | 0.237 | 0.067 | 0.171 | 0.213 |
| **1 DMN** | r | 0.037 | -.192\* | -.101\* | -0.135 | -0.056 | -.153\* |
| p(corrected) | 0.613 | 0.028 | 0.025 | 0.055 | 0.276 | 0.045 |
| **2 FPN** | r | 0.057 | -0.131 | -.262\*\* | -.112\* | -0.41 | -.183\*\* |
| p(corrected) | 0.438 | 0.058 | 0.001 | 0.021 | 0.073 | 0.007 |
| **3 CON** | r | 0.097 | -.038\* | -0.094 | -0.12 | -0.073 | -0.036 |
| p(corrected) | 0.181 | 0.042 | 0.184 | 0.052 | 0.087 | 0.126 |
| **4 SMN** | r | 0.067 | -.205\* | -.208\* | -0.044 | -0.074 | -0.067 |
| p(corrected) | 0.363 | 0.023 | 0.022 | 0.138 | 0.462 | 0.111 |
| **5 OCN** | r | 0.059 | -0.331 | -.243\*\* | -.145\* | -0.353 | -.176\*\* |
| p(corrected) | 0.421 | 0.154 | 0.002 | 0.013 | 0.127 | 0.008 |
| **6 CEN** | r | 0.063 | -0.373 | -0.356 | -0.323 | -0.194 | -0.202 |
| p(corrected) | 0.382 | 0.087 | 0.104 | 0.143 | 0.387 | 0.367 |
| **1&2** | r | 0.054 | -.105\* | -.130\* | -0.425 | -0.254 | -.051\* |
| p(corrected) | 0.463 | 0.023 | 0.016 | 0.062 | 0.279 | 0.046 |
| **1&3** | r | 0.056 | -.197\* | -.206\*\* | -.178\* | -0.019 | -.111\* |
| p(corrected) | 0.444 | 0.026 | 0.005 | 0.033 | 0.17 | 0.021 |
| **1&4** | r | 0.06 | -.087\* | -.239\*\* | -.129\* | -0.094 | -.197\*\* |
| p(corrected) | 0.411 | 0.03 | 0.002 | 0.017 | 0.086 | 0.005 |
| **1&5** | r | 0.065 | -.073\* | -.155\*\* | -.170\*\* | -0.038 | -.224\*\* |
| p(corrected) | 0.375 | 0.035 | 0.002 | 0.009 | 0.053 | 0.003 |
| **1&6** | r | 0.057 | -0.026 | -.256\*\* | -.177\*\* | -0.106 | -.208\*\* |
| p(corrected) | 0.436 | 0.061 | 0.002 | 0.008 | 0.076 | 0.004 |
| **2&3** | r | 0.06 | -0.015 | -.176\*\* | -.142\* | -.070\* | -.259\*\* |
| p(corrected) | 0.413 | 0.176 | 0.008 | 0.014 | 0.037 | 0.002 |
| **2&4** | r | 0.109 | -.031\* | -0.038 | -0.07 | -0.023 | -0.152 |
| p(corrected) | 0.131 | 0.045 | 0.286 | 0.09 | 0.143 | 0.259 |
| **2&5** | r | 0.056 | -0.041 | -.191\*\* | -0.037 | -0.062 | -.082\* |
| p(corrected) | 0.448 | 0.052 | 0.006 | 0.054 | 0.265 | 0.032 |
| **2&6** | r | 0.043 | -0.056 | -.142\* | -0.036 | -0.059 | -0.069 |
| p(corrected) | 0.557 | 0.124 | 0.014 | 0.148 | 0.504 | 0.109 |
| **3&4** | r | 0.046 | -0.089 | -.222\* | -0.005 | -0.035 | -0.052 |
| p(corrected) | 0.528 | 0.09 | 0.018 | 0.191 | 0.571 | 0.128 |
| **3&5** | r | 0.059 | -.048\* | -0.029 | -0.035 | -0.066 | -0.071 |
| p(corrected) | 0.417 | 0.048 | 0.059 | 0.318 | 0.782 | 0.248 |
| **3&6** | r | 0.08 | -.176\* | -.167\* | -0.09 | -0.018 | -0.029 |
| p(corrected) | 0.275 | 0.034 | 0.038 | 0.215 | 0.619 | 0.157 |
| **4&5** | r | 0.071 | -0.098 | -.295\*\* | -.055\* | -0.06 | -.067\* |
| p(corrected) | 0.333 | 0.082 | 0.006 | 0.044 | 0.269 | 0.038 |
| **4&6** | r | 0.053 | -0.099 | -.183\*\* | -0.039 | -0.051 | -.061\* |
| p(corrected) | 0.467 | 0.201 | 0.007 | 0.053 | 0.286 | 0.041 |
| **5&6** | r | 0.031 | -0.015 | -.233\*\* | -.094\* | -0.064 | -.125\* |
| p(corrected) | 0.675 | 0.364 | 0.003 | 0.027 | 0.261 | 0.017 |