**Table S5 Brain-behavior relationship: Correlation between brain activity on the mentalizing task and performance changes on the mentalizing task and explicit facial affect recognition task.** Clusters are whole-brain FWE corrected for multiple comparisons at p <0.001 with a cluster-defining threshold of z=2.3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Side | Peak voxel MNI coordinates (mm) | | | Cluster size (Voxel) | Peak z score |
|  | x | y | z |  |
| Changes in brain activity (T1 > T2) and behavioral improvements (higher accuracy scores at T2 vs. T1) in SCOTT > NCT | | | | | | |
| Cluster 1 |  |  |  |  | 14525 |  |
| Precentral gyrus | L/R | -6 | -34 | 68 |  | 4.47 |
|  |  | 6 | -26 | 60 |  | 3.98 |
| Lingual Gyrus | L | -2 | -80 | -10 |  | 4.06 |
| Postcentral Gyrus | L | -22 | 50 | 48 |  | 4.04 |
| Medial Prefrontal Cortex | L/R | 14 | 12 | 48 |  | 3.92 |
| Temporo-parietal Junction | R | 60 | -32 | 30 |  | 3.29 |
| Cluster 2 |  |  |  |  | 2167 |  |
| Inferior Frontal Gyrus | R | 48 | 0 | 14 |  | 4.24 |
|  |  | 48 | -2 | 10 |  | 4.1 |
| Middle Frontal Gyrus | R | 54 | 0 | 38 |  | 3.5 |
|  |  | 34 | -12 | 60 |  | 3.2 |
|  |  | 54 | 6 | 36 |  | 3.17 |
| Changes in brain activity (T1 > T2) and behavioral improvements (higher accuracy scores at T2 vs. T1) in NCT>SCOTT | | | | | | |
| No significant clusters |  |  |  |  |  |  |
| Changes in brain activity (T1 > T2) and behavioral improvements (higher accuracy scores at T2 vs. T1) in the SCOTT group | | | | | | |
| Cluster 1 |  |  |  |  | 26412 |  |
| Occipital Fusiform Gyrus | R | 24 | -92 | -6 |  | 4.49 |
| Posterior Cingulate Cortex | L/R | 0 | -44 | 34 |  | 4.07 |
|  |  | 6 | -40 | 26 |  | 4.06 |
| Inferior Frontal Gyrus | R | 47 | 19 | 0 |  | 3.85 |
| Amygdala | L | -21 | 0 | -24 |  | 3.42 |
| Changes in brain activity (T1 > T2) and behavioral improvements (higher accuracy scores at T2 vs. T1) in the NCT group | | | | | | |
| No significant clusters |  |  |  |  |  |  |