# **Supplementary Material**

**Supplementary Table 1.** Cross-sectional functional connectivity results.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Contrast** | | **Brain Region, right (R) or left (L)** | **Cluster size (voxel)** | **Peak MNI coordinates (mm)  x y z** | **Peak-level T-Statistic** |
| Baseline | IG > CG | Angular Cortex, R  Suprior Frontal Cortex, R | 339  116 | 45 -58 33  16 50 34 | 5.24  3.80 |
| CG> IG | Supplementary Motor Cortex, L | 148 | -2 5 61 | 5.43 |
| Follow-Up | IG> CG | Angular Cortex, R | 493 | 46 -61 36 | 6.80 |
| CG> IG | Superior Temporal Lobe, L | 159 71 | -56 -12 3 -48 -4 -3 | 6.09 5.21 |

Results of functional data from cross-sectional and longitudinal analysis, thresholded at p < 0.001, uncorrected for multiple comparisons and a minimal cluster size of 50 voxel; IG, intervention group; CG, control group; MNI, Montreal Neurological Institute