# **Supplementary Material**

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

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| **Contrast** | **Brain Region, right (R) or left (L)** | **Cluster size (voxel)** | **Peak MNI coordinates (mm) x y z** | **Peak-levelT-Statistic** |
| Baseline  | IG > CG | Angular Cortex, RSuprior Frontal Cortex, R | 339116 | 45 -58 3316 50 34 | 5.243.80 |
| 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 | 15971 | -56 -12 3-48 -4 -3 | 6.095.21 |

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