**Supplementary File 3. FCs of voxels showing significant correlation with SI across subjects in whole Brain.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FC number | Connected regions | BA | Size | Peak coordinate | *r* | *P* |
| MNI (*x, y, z*) |
| 1 | Cerebelum\_Crus1\_L | 18 | 70 | (-29, -85, -24) | 0.51 | 0.0052 |
| 2 | Cerebelum\_6\_R | 18 | 39 | (12, -85, -17) | 0.65 | 0.0002 |
| 3 | Calcarine\_R | 18 | 70 | (15, -91.5,12) | 0.63 | 0.0003 |
| 4 | Frontal\_Inf\_Oper\_R | 46 | 127 | (48,15,28.5) | -0.65 | 0.0001 |
| 5 | Precentral\_R | 4/6 | 179 | (32, -24,70) | 0.71 | 0.0001 |
| 6 | Precentral\_L | 6 | 59 | (-30, -23,72) | 0.66 | 0.0001 |
| 7 | - | - | 37 | (26, -37, -11) | -0.67 | 0.0001 |

Single voxel threshold *P* < 0.01 (t > 2.771 or t < -2.771), adjacent size ≥ 37 voxels (AlphaSim corrected).