Supplementary Material

# Table S1. Brain regions with decreased FC in M1 subregions of ICCI patients

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Subregions of M1 | Brain regions with decreaced FC | MNI coordinate | | | Cluster size (voxels） | P value | Peak T value |
| x | y | z |
| A4hf\_L | LG\_R | 30 | -48 | -6 | 211 | ＜0.001 | -5.09 |
| FG\_L | -36 | -69 | -3 | 128 | 0.005 | -4.81 |
| LG\_L | -18 | -81 | -9 | 101 | 0.016 | -3.96 |
| PSMC\_R | 30 | -24 | 69 | 75 | 0.048 | -5.31 |
| A4hf\_R | FG\_R | 30 | -51 | -3 | 182 | 0.001 | -5.01 |
| FG\_L | -36 | -69 | -3 | 206 | ＜0.001 | -5.03 |
| PSMC\_L | -15 | -36 | 69 | 133 | 0.004 | -4.22 |
| A6cdl\_L | LG\_R | 30 | -48 | -6 | 174 | 0.001 | -5.33 |
| CG\_L | -24 | -60 | 3 | 113 | 0.011 | -5.52 |
| A6cdl\_R | FG\_R | 33 | -54 | -3 | 109 | 0.012 | -5.24 |
| A4ul\_L | FG\_R | 30 | -51 | -3 | 397 | ＜0.001 | -5.98 |
| FG\_L | -33 | -57 | -15 | 476 | ＜0.001 | -6.21 |
| PSMC\_R | 27 | -24 | 69 | 176 | 0.001 | -7.08 |
| A4ul\_R | LG\_L | -21 | -51 | 0 | 136 | 0.004 | -4.50 |
| FG\_R | 30 | -51 | -6 | 293 | ＜0.001 | -5.43 |
| PSMC\_L | -51 | -18 | 54 | 148 | 0.003 | -4.96 |
| A4t\_L | TP\_R | 33 | 12 | -30 | 108 | 0.010 | -4.51 |
| LG\_R | 30 | -54 | 0 | 552 | ＜0.001 | -5.76 |
| FG\_L | -33 | -57 | -18 | 343 | ＜0.001 | -5.22 |

Note: FC: functional connectivity, M1: primary motor cortex, ICCI: incomplete cervical cord injury, MNI: Montreal Neurological Institute, LG: lingual gyrus, FG: fusiform gyrus, PSMC: primary sensorimotor cortex, CG: calcarine gyrus, TP: temporal pole, L: left, R: right.