**Table S2. Functional connectivity correlated with the MDS-UPDRS part III score.** Functional connectivity which is significantly correlated with the MDS-UPDRS part III score is represented (p < 0.001, |r| > 0.3). Correlation analysis was performed using Pearson’s correlation. Pearson’s correlation coefficient r is described.

|  |  |
| --- | --- |
| Functional connectivity between | r |
| Parietal\_Inf\_c & Amygdala\_i | 0.368 |
| Parietal\_Inf\_c & Calcarine\_c | 0.392 |
| Parietal\_Inf\_c & Cerebellum\_6\_c | 0.410 |
| Parietal\_Inf\_c & Cerebellum\_Crus1\_c | 0.441 |
| Parietal\_Inf\_c & Cerebelum\_Crus2\_c | 0.362 |
| Parietal\_Inf\_c & Fusiform\_c | 0.371 |
| Parietal\_Inf\_c & Hippocampus\_i | 0.362 |
| Parietal\_Inf\_c & Hippocampus\_c | 0.393 |
| Parietal\_Inf\_c & Paracentral\_Lobule\_i | 0.361 |
| Parietal\_Inf\_c & Paracentral\_Lobule\_c | 0.361 |
| Parietal\_Inf\_c & Temporal\_Inf\_c | 0.395 |
| Postcentral\_c & Cerebelum\_Crus1\_i | 0.413 |
| Postcentral\_c & Vermis\_7 | 0.369 |
| Postcentral\_c & Vermis\_9 | 0.400 |
| Frontal\_Inf\_Tri\_i & Frontal\_Med\_Orb\_i | 0.390 |
| Rectus\_i & Cerebellum\_6\_c | -0.400 |
| Rectus\_i & Cerebellum\_Crus1\_c | -0.380 |
| Rectus\_c & Calcarine\_c | -0.365 |
| Rectus\_c & Cerebellum\_6\_c | -0.381 |
| Rectus\_c & Cuneus\_c | -0.379 |
| Rectus\_c & Fusiform\_c | -0.408 |

r: Pearson’s correlation coefficient (p < 0.001)

c: contralateral region & i: ipsilateral region

MDS-UPDRS: Movement Disorder Society-sponsored revision of the Unified Parkinson’s Disease Rating Scale