## S4 Table. Betweenness-based hub regions without global signal regression

S4.1 Table. Hub regions in IMF1 component.

|  |  |  |
| --- | --- | --- |
| Regions | Class | Betweenness (AUC) |
| STG.L | Association | 114.0650 |
| MTG.R | Association | 112.6600 |
| MOG.L | Association | 78.6150 |
| MTG.L | Association | 71.3850 |
| STG.R | Association | 67.1500 |
| ANG.L | Association | 61.7900 |
| PoCG.R | Primary | 59.3000 |
| TPOsup.R | Paralimbic | 54.3150 |
| INS.R | Paralimbic | 54.1450 |
| TPOsup.L | Paralimbic | 53.6850 |
| PCG.L | Paralimbic | 52.5500 |
| SPG.L | Association | 45.8700 |

S4.2 Table. Hub regions in IMF2 component.

|  |  |  |
| --- | --- | --- |
| Regions | Class | Betweenness (AUC) |
| PHG.R | Paralimbic | 54.0500 |
| PoCG.R | Primary | 46.6950 |
| STG.L | Association | 44.1250 |
| IPL.L | Association | 43.1200 |
| REC.R | Paralimbic | 39.6600 |
| IPL.R | Association | 37.3250 |
| REC.L | Paralimbic | 35.2650 |
| SMG.R | Association | 34.4900 |
| TPOsup.L | Paralimbic | 32.6500 |
| MTG.R | Association | 32.0950 |
| AMYG.R | Subcortical | 31.2650 |
| ORBinf.L | Paralimbic | 29.2150 |
| SPG.L | Association | 29.1200 |
| STG.R | Association | 28.2800 |

S4.3 Table. Hub regions in IMF3 component.

|  |  |  |
| --- | --- | --- |
| Regions | Class | Betweenness (AUC) |
| PHG.R | Paralimbic | 65.2150 |
| FFG.R | Association | 34.1450 |
| TPOsup.L | Paralimbic | 31.4050 |
| ORBsupmed.R | Paralimbic | 31.2200 |
| SMG.R | Association | 30.4800 |
| ORBinf.L | Paralimbic | 30.1950 |
| PoCG.R | Primary | 28.7150 |
| IPL.R | Association | 27.8250 |
| IPL.L | Association | 27.2450 |
| PCG.L | Paralimbic | 23.8950 |
| PreCG.L | Primary | 23.5650 |

S4.4 Table. Hub regions in IMF4 component.

|  |  |  |
| --- | --- | --- |
| Regions | Class | Betweenness (AUC) |
| FFG.R | Association | 52.9350 |
| PHG.R | Paralimbic | 39.6050 |
| ORBsupmed.L | Paralimbic | 28.6550 |
| INS.R | Paralimbic | 27.4650 |
| PoCG.L | Primary | 26.7700 |
| TPOsup.L | Paralimbic | 26.1150 |
| ITG.R | Association | 24.6700 |
| SPG.L | Association | 23.2100 |
| SFGmed.L | Association | 21.5950 |
| ORBinf.R | Paralimbic | 21.5550 |
| ORBsupmed.R | Paralimbic | 20.5150 |
| PCG.L | Paralimbic | 20.1000 |

S4.5 Table. Hub regions in IMF5 component.

|  |  |  |
| --- | --- | --- |
| Regions | Class | Betweenness (AUC) |
| PoCG.R | Primary | 37.1300 |
| SOG.R | Association | 35.6050 |
| ORBsupmed.L | Paralimbic | 35.1750 |
| FFG.R | Association | 34.9550 |
| TPOsup.L | Paralimbic | 23.8650 |
| ORBsupmed.R | Paralimbic | 23.3850 |
| TPOmid.L | Paralimbic | 23.3000 |
| PUT.R | Subcortical | 22.8100 |
| TPOsup.R | Paralimbic | 22.4900 |
| IPL.L | Association | 21.1150 |
| MTG.L | Association | 20.6600 |
| ORBmid.R | Paralimbic | 19.5000 |
| SPG.R | Association | 19.3950 |
| ANG.R | Association | 19.2950 |

The frequency-specific brain networks for each participants were constructed using an AAL template. The hub regions based on regional betweenness were identified if was at least 1 SD greater than the mean  of the network. The hubs were then sorted by the corresponding AUC values in each IMF. The cortical regions were classified as primary, association, and paralimbic.