## S1 Table. Betweenness-based hub regions with global signal regression.

S1.1 Table. Hub regions in IMF1 component.

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| Regions | Class | Betweenness (AUC) |
| SPG.L | Association (Heteromodal) | 86.4800 |
| IPL.L | Association (Heteromodal) | 82.1200 |
| PHG.R | Paralimbic | 72.2950 |
| TPOsup.R | Paralimbic | 67.5500 |
| ANG.L | Association (Heteromodal) | 64.1750 |
| REC.L | Paralimbic | 63.8800 |
| PoCG.R | Primary | 61.8400 |
| PCG.L | Paralimbic | 57.7250 |
| TPOsup.L | Paralimbic | 54.0900 |
| INS.R | Paralimbic | 51.1150 |
| SOG.L | Association | 41.9250 |

S1.2 Table. Hub regions in IMF2 component.

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| Regions | Class | Betweenness (AUC) |
| IPL.L | Association (Heteromodal) | 63.3500 |
| PHG.R | Paralimbic | 54.1100 |
| ORBsupmed.L | Paralimbic | 47.3900 |
| PoCG.R | Primary | 47.2150 |
| IPL.R | Association (Heteromodal) | 47.1850 |
| SMG.R | Association (Heteromodal) | 43.5050 |
| TPOsup.L | Paralimbic | 43.3350 |
| SPG.L | Association (Heteromodal) | 43.3100 |
| TPOsup.R | Paralimbic | 38.6900 |
| INS.R | Paralimbic | 37.7000 |
| ACG.L | Paralimbic | 35.7900 |
| ORBsupmed.R | Paralimbic | 33.5450 |
| SOG.R | Association | 32.8050 |
| ACG.R | Paralimbic | 32.2400 |
| PHG.L | Paralimbic | 31.5750 |

S1.3 Table. Hub regions in IMF3 component

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| Regions | Class | Betweenness (AUC) |
| PHG.R | Paralimbic | 71.8950 |
| PCG.L | Paralimbic | 39.4450 |
| PoCG.R | Primary | 38.5350 |
| IPL.L | Association (Heteromodal) | 38.1000 |
| FFG.R | Association (Unimodal) | 37.8800 |
| PHG.L | Paralimbic | 37.0400 |
| IPL.R | Association (Heteromodal) | 36.7350 |
| ORBsupmed.L | Paralimbic | 35.3450 |
| SPG.L | Association (Heteromodal) | 34.1250 |
| TPOsup.L | Paralimbic | 33.1550 |
| AMYG.R | Subcortical | 32.5800 |
| SMG.R | Association (Heteromodal) | 32.5550 |
| ORBsupmed.R | Paralimbic | 31.7200 |
| TPOsup.R | Paralimbic | 28.8200 |

S1.4 Table. Hub regions in IMF4 component

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| Regions | Class | Betweenness (AUC) |
| FFG.R | Association (Unimodal) | 54.6400 |
| PoCG.R | Primary | 46.8800 |
| PCG.L | Paralimbic | 42.2100 |
| PHG.R | Paralimbic | 41.0850 |
| TPOsup.L | Paralimbic | 39.2850 |
| ORBsupmed.L | Paralimbic | 37.6200 |
| IPL.R | Association (Heteromodal) | 30.4450 |
| SMG.R | Association (Heteromodal) | 29.8250 |
| AMYG.R | Subcortical | 29.7550 |
| TPOsup.R | Paralimbic | 28.0100 |
| SPG.R | Association (Heteromodal) | 26.1500 |
| ACG.L | Paralimbic | 25.7250 |
| IPL.L | Association (Heteromodal) | 24.3950 |

S1.5 Table. Hub regions in IMF5 component

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| Regions | Class | Betweenness (AUC) |
| PoCG.R | Primary | 42.2850 |
| ORBsupmed.L | Paralimbic | 35.1400 |
| FFG.R | Association (Unimodal) | 34.7650 |
| TPOsup.L | Paralimbic | 31.1800 |
| AMYG.R | Subcortical | 28.7600 |
| PCG.L | Paralimbic | 27.4650 |
| SFGmed.L | Association | 27.2250 |
| ACG.L | Paralimbic | 26.7250 |
| IPL.R | Association (Heteromodal) | 25.6800 |
| SMG.R | Association (Heteromodal) | 25.2900 |
| SPG.L | Association (Heteromodal) | 24.9400 |
| ORBsupmed.R | Paralimbic | 24.8250 |
| SOG.R | Association | 24.6100 |
| SPG.R | Association (Heteromodal) | 23.6700 |
| TPOsup.R | Paralimbic | 21.6500 |
| PHG.R | Paralimbic | 21.3750 |

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.