**Supplementary File .1 Correlations between the structural connectome and frequency-specific transition matrices.**

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| --- | --- | --- |
|  | **R** | **p** |
| **Delta (0.5 – 4 Hz)** | **0.38** | **2.021e-120** |
| **Theta (4 – 8 Hz)** |  **0.35**  | **5.34e-100** |
| **Alpha (8 – 13 Hz)** | **0.38** | **1.46e-116** |
| **Beta (13 – 30 Hz)** | **0.38** | **7.30e-122** |
| **Gamma (30 – 48 Hz)** |  **0.39** | **1.32e-123** |