|  |  |
| --- | --- |
| Parameter | Value |
| Population Firing Rate (E, I) | 2 Hz, 5 Hz |
| Population Size (E, I) | 8000, 2000 |
| Resting Membrane Potential | -65 mV |
| Reversal Potential (AMPA, GABAA) | 0 mV, -80 mV |
| Conductance Rise Time (AMPA, GABAA) | 0.1 ms, 0.5 ms |
| Conductance Decay Time (AMPA, GABAA) | 2 ms, 10 ms |
| E:I Ratio | 1:2 to 1:6 |

***Supplementary File 1: Parameters for E:I model:*** *Parameters utilized in the E:I model from Gao et al.,*28*, for simulating LFP data.*