

## Supplementary File 5

<b>A: Populations</b>		
<b>Name</b>	<b>Value</b>	<b>Description</b>
$N^E$	2400	Number of excitatory units in each module
$N^I$	600	Number of inhibitory units in each module
<b>B: Connectivity</b>		
<b>Name</b>	<b>Value</b>	<b>Description</b>
$d$	1 ms	Synaptic transmission delay
$\epsilon$	0.2	Baseline connection probability
$w_{\text{in}}$	$\sim U(0.9, 1.0)$	Input weights
$w_{\text{in}}$	$\sim N_{\text{tr}}(0, 1/\sqrt{\epsilon N}) > 0$	Recurrent and feed-forward weights drawn from a normal distribution truncated to positive values
$g$	-6	Scaling factor for the inhibitory synapses
<b>B: Neuron Model</b>		
<b>Name</b>	<b>Value</b>	<b>Description</b>
$\tau$	10 ms	Unit time constant
$b$	1	Bias term
$\sigma_X$	1.5	Scaling term for unit noise

**Table 5:** Rate model parameters.