Α	N Population			
Name	Description			Value
N	number of cells		10000	
R	population radius		$1000~\mu\mathrm{m}$	
z _k and layer boundaries	layer boundaries and soma positions (in units of μ m in relation to cortical surface at 0 μ m), derived from Stepanyants et al., Cereb Cortex 2008, 18(1):13–28:			
	layer	upper boundary	soma depth z_k	lower boundary
	L1	0	-	-81.6
	L2/3	-81.6	-334.3	-587.1
	L4	-587.1	-754.6	-922.2
	L5	-922.2	-1021.1 (¹)	-1170.0
	L6	-1170.0	-	-1491.7

В	Neuron		
Name	Description	Value	
R _m	specific membrane resistance	30 kΩ·cm²	
R_{a}	specific axial resistance	150 Ω·cm	
C_{m}	specific membrane capacitance	$1.0~\mu\text{F/cm}^2$	

С	Synapse		
Name	Description	Value	
au	synaptic time constant	0.1 ms	
I _e	excitatory current amplitude	50 pA	

D	Input		
Name	Description	Value	
n _{syn}	number of synapses	1000	
r_{syn}	synaptic input rate	5 spikes/s	
C _{in}	pairwise input correlation between cells	{0.01,0.1,1.0}	

E	Measurements		
Name	Description	Value	
σ_{cond}	extracellular conductivity	0.3 S/m	

F	Simulation		
Name	Description	Value	
dt _{sim}	time resolution in simulation	1/64 ms	
dt _{data}	time resolution of data	1.0 ms	
Т	simulation time	either 10200 ms or 1200 ms (off-center or outside of soma layer) (²)	

⁽¹) the somata of the L5 cells were adjusted 25 $\mu{\rm m}$ upwards compared to midpoint of L5 so that apical dendrites reach L1

⁽²⁾ the first 200 ms were discarded to avoid upstart effects