Parameter	Value	Units	Description
K	280	-	Number of units in reservoir
g	1.5	μS	Gain parameter
M	1120	-	Number of units in sparse pattern net
θ_m	7.5	Hz	Threshold for columnar to reservoir excitation
θ_o	0.1	-	Threshold for reservoir to sparse net excitation
Q_{max}	.15	μS	Rate of Poisson stimulus pulse
τ_{net}	100	ms	Time constant for units in reservoir
τ_u, τ_{ui}	40,10	ms	Excitatory and inhibitory time constants, rate-based network
u_c	2	-	Upper threshold, rate-based transfer function
θ	0	-	Lower threshold, rate-based transfer function
ν	2	-	Scaling parameter, rate-based transfer function

Supplementary File 2. Table of Reservoir, Sparse Net, and Rate-Based Model Parameters.