

S3 Table. Connectivity

Name	Source	Target	Pattern
Feedforward	Visible	Hidden	All-all, weights \mathbf{W} , synaptic scaling factors ϕ or Φ , delay D
Feedback	Hidden	Visible	All-all, weights \mathbf{Q} , delay D
To Visible Inhibitory	Visible	Visible inhibitory pool	All-all, weights $\mathbf{W}_{\text{Vis,Inh}}$, delay D
From Visible Inhibitory	Visible inhibitory pool	Visible	All-all, weights $\mathbf{W}_{\text{Inh,Vis}}$, delay D
To Hidden Inhibitory	Hidden	Hidden inhibitory pool	All-all, weights $\mathbf{W}_{\text{Hid,Inh}}$, delay D
From Hidden Inhibitory	Hidden inhibitory pool	Hidden	All-all, weights $\mathbf{W}_{\text{Inh,Hid}}^T$, delay D