Table S 1: Model summary. Parameter values are given in Table S2.


| E | Input |
| :--- | :--- |
| Type | Description <br> Poisson generator <br> Fixed rate $\nu=\nu_{e x t}+\nu_{1,2}$, with $\nu_{e x t}=2.4 \mathrm{kHz}, \nu_{1,2}=$ sel. inputs, one generator per neuron |
| $\mathbf{F}$ | Measurements |
| Spike activity: firing-rates were calculated using the spike count in a 50 ms time window shifted by 5 ms steps and <br> dividing by the number of neurons in the population and by the window size. |  |

