

S 2. Fig. Neuronal statistics. Neuronal distributions of the average \overline{ISI} (a,d), of the coefficient of variation CV (b,e) and of the average effective synaptic input \overline{W}_i (c,f). The data in the first row are for $\Delta V=1$ mV and in the second one for $\Delta V=5$ mV. For $\Delta V=1$ mV ($\Delta V=5$ mV) black solid line with filled circles correspond to g=1 (g=4) and red dashed lines with open squares to g=4 (g=10). Insets of (a,d) and (c,f), same as the main figure in a lower g regime: g=0.4 (g=1) for $\Delta V=1$ mV ($\Delta V=5$ mV). The system is left to evolve during 10^7 spikes, after discarding 10^5 spike events. Other parameters used in the simulation: K=20, N=400 and $\tau_{\alpha}=20$ ms.