Figure S9: Variation of Fig. 10 (i.e., of computer simulation 5) for a simulation where we used current-based synapses without short-term plasticity. The post-synaptic response had an exponentially decaying form $\epsilon(s) = e^{-s/\tau_\epsilon}/\tau_\epsilon$, with $\tau_\epsilon = 5ms$. The synaptic weights of the excitatory and inhibitory synapses in the cortical microcircuit were set to $w_{exc} = 65.4$ pA and $w_{inh} = 238$ pA respectively. The maximum synaptic weight of the synapses to the readout neuron was $w_{max} = 54.3$ pA. All other parameter values were the same as in computer simulation 5.