Fig S6. The full microcircuit with excitatory PC and inhibitory PV, SOM and VIP neurons shows the same phenomena as the reduced interneuron network. (A) PCs in the full microcircuit (left) exhibit a steeper firing rate slope with increasing mutual inhibition strength ($\hat{w} = 0.7$ and $0.9$), increasing short-term facilitation (STF) ($U_s = 0.4$ and $0.25$, $\tau_f = 200$ ms), but a reduced slope for increasing recurrence strength ($\hat{w}_r = 0$ and $0.3$) and adaptation ($b = 0.2$ and $0.5$, $\tau_a = 100$ ms). (B) With adaptation, the frequency response analysis reveals a frequency-selective amplification. (C) Mean SOM-SOM neuron correlation is more sensitive to increasing recurrence strength than to adaptation strength (right). Parameter (B - C): Mutual inhibition strength $\hat{w} = 0.8$. 