voltage (mV) Readout voltage (mV) Trained Trained Readout 6 HC voltage (mV) 2400 Initialized -55 Initialized Initialized DV axis (µm) Glu_{exo} -85 -30 -2400 3 -2400 2400 200 200 200 0 - 15TN axis (µm) Time (ms) Time (ms) Time (ms) Avg readout voltage (mV) b Activity in network with active bipolar cell readout neurons Readout voltage (mV) HC voltage (mV) 2400 -55 10 DV axis (µm) voltage Glu_{exo} cone -2400 -85 -30 3

200

Time (ms)

200

Time (ms)

Others

200

Time (ms)

0 - 15

Avg readout voltage (mV)

a

-2400

TN axis (µm)

2400

Activity in network with passive readout neurons