Random network Α В -x- Median mean firing rate 1.0 0.25 -x- Max mean firing rate -x- Min mean firing rate 0.9 Data volume 0.20 Firing rate Correlation 2 million 8.0 0.15 0.7 0.10 2 Observed 32 Observed 64 (fully) Observed 0.6 0.05 Weight matrix coefficient J₀ Weight matrix coefficient J_0 Balanced EI network C 1.0 -x- Median mean firing rate 0.200 -x- Max mean firing rate -x- Min mean firing rate 0.175 0.9 Data volume † 0.150 0.125 0.100 Correlation 0.150 2 million 8.0 0.100 2 Observed 0.075 0.7 32 Observed 64 (fully) Observed 0.050 Weight matrix coefficient J₀ Weight matrix coefficient J_0