Data Directory: /NERSC/output/240511\_Run26\_8proc/gen\_0/gen\_0\_cand\_15\_data.json SimLabel: gen 0 cand 15 Generation Rank: 30/118 rate\_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}} burts\_peak\_targets: {'target': 15, 'width': 2, 'min': 8} IBI\_targets: {'target': 3000, 'width': 2000, 'max': 4000} baseline\_targets: {'target': 1.5, 'width': 1, 'max': 3} rate slope: {'target': 0, 'width': 0.5, 'max': 0.5} thresh\_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7} weightIE weightEl sustained\_osci: {'target': 100, 'width': 5, 'min': 75} weightEE tau2\_inh burstAmp\_Fitness: {'Value': 1.460444741269562, 'Fit': 1000.0} tau2\_exc burst\_peak\_frequency\_fitness: {'Value': 0.0670353611530082, 'Fit': 1000} IBI\_fitness: {'Value': None, 'Fit': 1000} tau1\_inh baseline\_fitness: {'Value': 28.248396741845472, 'Fit': 1000} taul\_exc slopeFitness: {'Value': -0.0005073193095024743, 'Fit': 1.0010151535389062} probLengthConst thresh: {'Value': 27.677949976759102, 'Fit': 1000} probli sustain\_oscillation\_fitness: {'Value': 88.45577211394303, 'Fit': 10.062801220079706} problE E\_rate\_fitness: {'Value': 73.10714285714286, 'Fit': 1000} I rate fitness: {'Value': 0.0, 'Fit': 1000} probEl maxFitness: 1000 250 probEE average\_fitness: 779.0070907081798 gnabar\_l average scaled fitness: 778.7856517934448 750 gnabar E 8**010--**016908--0108-4008-4008-09-0008-0----0--0--0--0--0--1000 akbar binSize: 7.5 gkbar E 1250 gaussianSigma: 30.0 propVelocity thresholdBurst: 1.0 1500 duration\_seconds 1750 0.0 0.2 1.0 0.4 0.8 2000 2500 1500 3000 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking E0\_highFR 30 soma voltage 250 25 Cell 0, Pop E Cell 280, Pop 200 20 2600 출 150 I0\_highFR soma\_voltage 100 20 10 Cell 0, Pop E Cell 280, Pop I -20 50 -40 -60 --- Peak Amplitude Target 2000 12000 14000 --- Baseline Target

10000

12000

14000

Time (ms)

Rate [Hz]

2000

4000

6000

8000

Time [ms]

10000

12000

14000

2000

4000

6000

8000

Time (ms)