Data Directory: /NERSC/output/240511\_Run28\_32proc/gen\_0/gen\_0\_cand\_48\_data.json SimLabel: gen 0 cand 48 Generation Rank: 24/121 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': 0.5615599651424539, 'Fit': 1000.0} tau2\_exc burst\_peak\_frequency\_fitness: {'Value': 0.06696802276912775, 'Fit': 1000} IBI\_fitness: {'Value': None, 'Fit': 1000} tau1\_inh baseline\_fitness: {'Value': 14.060072958359822, 'Fit': 1000} taul\_exc slopeFitness: {'Value': 5.3672007762947536e-05, 'Fit': 1.000107349777101} probLengthConst thresh: {'Value': 13.613913773471165, 'Fit': 1000} probli sustain\_oscillation\_fitness: {'Value': 87.10644677661169, 'Fit': 13.180133324325832} probIE E\_rate\_fitness: {'Value': 24.325396825396822, 'Fit': 837.2801570191785} I rate fitness: {'Value': 0.0, 'Fit': 1000} probEl maxFitness: 1000 probEE average\_fitness: 761.2733775214757 (0.000-0.0000) - (0.0000) - (0.0000) - (0.0000) - (0.0000) - (0.0000) - (0.0000) - (0.0000) - (0.0000) - (0.0000) gnabar\_l average scaled fitness: 761.0343862548252 gnabar E 1000 akbar binSize: 7.5 gkbar E 1250 gaussianSigma: 30.0 propVelocity thresholdBurst: 1.0 duration\_seconds 1750 0.0 0.2 1.0 0.8 1500 2000 2500 3000 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking E0\_highFR soma voltage 250 Cell 0, Pop E Cell 280 Pon -20 12 -40 200 -60 -80 2000 2600 I0\_highFR soma\_voltage 100 40 20 Cell 0, Pop E Cell 280, Pop I -20 50 -40 -60 --- Peak Amplitude Target 2000 4000 10000 12000 14000 Baseline Target

10000

8000

Time (ms)

2000

4000

6000

8000

Time [ms]

10000

12000

14000

2000

4000

6000

12000

14000

Time (ms)