Data Directory: /NERSC/output/240511\_Run29\_64proc/gen\_0/gen\_0\_cand\_37\_data.json SimLabel: gen 0 cand 37 Generation Rank: 29/123 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} weightll 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': 1.069486219200492, 'Fit': 1000.0} tau2\_exc burst\_peak\_frequency\_fitness: {'Value': 0.06700167504187604, 'Fit': 1000} IBI\_fitness: {'Value': None, 'Fit': 1000} tau1\_inh baseline\_fitness: {'Value': 23.542695477594673, 'Fit': 1000} taul\_exc slopeFitness: {'Value': 0.00019258680419014437, 'Fit': 1.0003852477972595} probLengthConst thresh: {'Value': 22.62629686919819, 'Fit': 1000} probli A CARL - ABONIMEN AND ARROY OF THE CHIRD STREET - AND ARROYS AND ARROYS sustain\_oscillation\_fitness: {'Value': 80.45, 'Fit': 49.898951973407826} probIE E\_rate\_fitness: {'Value': 47.62698412698413, 'Fit': 1000} I rate fitness: {'Value': 1.6203703703703702, 'Fit': 1000} probEl (100 € 100 maxFitness: 1000 250 probEE average\_fitness: 783.433259691245 500 gnabar\_l average scaled fitness: 783.2163925684061 750 gnabar E gkbar 1000 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 0.8 500 2000 1000 1500 2500 3000 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking E0\_highFR soma voltage 250 20 Cell 0, Pop E Cell 280, Pop -40 200 -60 I0\_highFR soma\_voltage 10 100 20 Cell 0, Pop E Cell 280, Pop I -20 50 -40 -60

4000

6000

8000

Time (ms)

10000

12000

14000

12000

Time (ms)

14000

--- Peak Amplitude Target

6000

8000

Time [ms]

10000

12000

14000

--- Baseline Target

4000