$Data\ Directory: /NERSC/output/240521\_Run2\_overnight\_reg/gen\_15/gen\_15\_cand\_0\_data.json$ SimLabel: gen\_15\_cand\_0 Generation Rank: 1/44 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} weightII thresh\_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7} weightIE burst\_peak\_frequency: {'target': 0.33333333333333333, 'width': 0.1666666666666666666, 'min': 0.25} weightEl sustained\_osci: {'target': 100, 'width': 5, 'min': 75} weightEE tau2\_inh burstAmp\_Fitness: {'Value': 3.796835236922476, 'Fit': 1000.0} tau2\_exc burst\_peak\_frequency\_fitness: {'Value': 0.0669008195350393, 'Fit': 1000} IBI\_fitness: {'Value': None, 'Fit': 1000} tau1\_inh baseline\_fitness: {'Value': 24.956575214214155, 'Fit': 1000} taul\_exc slopeFitness: {'Value': 0.002606421843216436, 'Fit': 1.0052264541956244} probLengthConst thresh: {'Value': 22.483848147017717, 'Fit': 1000} probII sustain\_oscillation\_fitness: {'Value': 62.45, 'Fit': 1000} probIE E\_rate\_fitness: {'Value': 40.62698412698413, 'Fit': 1000} I\_rate\_fitness: {'Value': 10.75925925925926, 'Fit': 6.848804243709117} probEl probEE average fitness: 778.6504478553228 gnabar\_I average\_scaled\_fitness: 778.4277175354729 gnabar E binSize: gkbar\_l gkbar E gaussian Sigma: 30.0 propVelocity threshooldBurst: duration\_seconds 1750 0.0 0.2 0.6 0.8 1.0 500 1000 1500 2000 2500 3000 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking --- Peak Amplitude Target --- Baseline Target 25 250 20 200 100 10 50 0 10000 12000 14000 6000 8000 10000 12000 14000 6000 Time (ms)

Time [ms]