Data Directory: /NERSC/output/240521\_Run2\_overnight\_reg/gen\_6/gen\_6\_cand\_20\_data.json SimLabel: gen\_6\_cand\_20 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 weightEl sustained\_osci: {'target': 100, 'width': 5, 'min': 75} weightEE tau2\_inh burstAmp\_Fitness: {'Value': 0.2789085210395772, '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': 14.251469569241754, 'Fit': 1000} taul\_exc slopeFitness: {'Value': 3.6670981773043904e-05, 'Fit': 1.0000733446531336} probLengthConst thresh: {'Value': 14.06993931154229, 'Fit': 1000} probli sustain\_oscillation\_fitness: {'Value': 83.30834582708646, 'Fit': 28.172063603983375} problE E\_rate\_fitness: {'Value': 43.5436507936508, 'Fit': 1000} I rate fitness: {'Value': 0.42592592592593, 'Fit': 1000} probEl maxFitness: probEE average\_fitness: 781.0191263276263 gnabar I average\_scaled\_fitness: 780.7999101606324 gnabar E biaSize: 7.5 qkbar\_l gkbar E gaussianSigma: 30. propVelocity threshooldBurst: duration\_seconds 1750 0.0 0.2 0.6 0.8 1.0 2000 2500 500 1000 1500 3000 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking 350 300 12 250 ) S 150 100 50 --- Peak Amplitude Target --- Baseline Target 10000 12000 14000 4000 6000 8000 10000 12000 14000 2000 4000 6000 8000

Time [ms]

Time (ms)