Data Directory: /NERSC/output/240511_Run28_32proc/gen_0/gen_0_cand_14_data.json SimLabel: gen 0 cand 14 Generation Rank: 22/121 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} 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': 1.1655042331414514, 'Fit': 1000.0} tau2_exc burst_peak_frequency_fitness: {'Value': 0.06693440428380187, 'Fit': 1000} IBI_fitness: {'Value': None, 'Fit': 1000} tau1_inh baseline_fitness: {'Value': 30.04866841906532, 'Fit': 1000} taul_exc slopeFitness: {'Value': 0.00024824866057431076, 'Fit': 1.0004966205963446} probLengthConst thresh: {'Value': 29.046798166741095, 'Fit': 1000} probli sustain_oscillation_fitness: {'Value': 80.75962018990505, 'Fit': 46.90273371964966} problE E_rate_fitness: {'Value': 66.82142857142857, 'Fit': 1000} I rate fitness: {'Value': 3.2685185185185186, 'Fit': 14.485499986314144} probEl maxFitness: 1000 250 probEE average_fitness: 673.5987478140621 500 gnabar_l average scaled fitness: 673.2718574115488 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 2000 2500 1000 1500 3000 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking E0_highFR soma voltage 250 25 Cell 0, Pop E Cell 280 Pon 200 -60 -80 4200 Time (ms) <u> 2</u> 150 I0_highFR soma_voltage 100 20 10 Cell 0, Pop E Cell 280, Pop I -20 50 -40 -60 --- Peak Amplitude Target 0 4000 12000 14000 --- Baseline Target

6000

8000

Time (ms)

10000

12000

4000

6000

8000

Time [ms]

10000

12000

14000

14000

Time (ms)