Data Directory: /NERSC/output/240511_Run28_32proc/gen_0/gen_0_cand_70_data.json SimLabel: gen 0 cand 70 Generation Rank: 23/121 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': 1.5600422621962053, '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': 35.92465022235149, 'Fit': 1000} taul_exc slopeFitness: {'Value': 0.00033625709856650296, 'Fit': 1.0006727403855078} probLengthConst thresh: {'Value': 34.59074031071863, 'Fit': 1000} probli sustain_oscillation_fitness: {'Value': 80.24012006003002, 'Fit': 52.038091954538} problE E_rate_fitness: {'Value': 71.70238095238095, 'Fit': 1000} I_rate_fitness: {'Value': 6.7777777777777777, 'Fit': 10.198312059385673} probEl maxFitness: 1000 250 probEE average_fitness: 673.6930085282565 gnabar_l (\$P\$0.00 - 400\$\$\$) - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 - 400 average scaled fitness: 673.3661549434212 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 1500 3000 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking E0_highFR soma voltage 250 30 Cell 280 Pon 200 25 -60 4400 Rate [Hz] <u> 2</u> 150 I0_highFR soma_voltage 100 Cell 0, Pop E 10 Cell 280, Pop I -20 50 -40 -60 --- Peak Amplitude Target 0 2000 12000 14000 --- Baseline Target Time (ms) _____

4000

4000

6000

8000

Time [ms]

10000

12000

14000

6000

8000

Time (ms)

10000

14000

12000