Data Directory: /NERSC/output/240511_Run30_128proc/gen_0/gen_0_cand_17_data.json SimLabel: gen 0 cand 17 Generation Rank: 23/126 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': 0.379445641317864, 'Fit': 1000.0} tau2_exc burst_peak_frequency_fitness: {'Value': 0.6700167504187604, 'Fit': 7.539082592330933} IBI_fitness: {'Value': 1343.3333333333333, 'Fit': 2.4222806586919847} tau1_inh baseline_fitness: {'Value': 25.480391017669174, 'Fit': 1000} taul_exc slopeFitness: {'Value': -3.016037603142916e-05, 'Fit': 1.000060322571396} probLengthConst ACCEPTAGE - A COMPARISH - COMPARISH COMPARISH COMPARISH ACCURATION - - thresh: {'Value': 25.203741065829032, 'Fit': 1000} probli (MIN) → (10) (MIN) → (10) → (sustain_oscillation_fitness: {'Value': 92.60369815092454, 'Fit': 4.389697726982937} problE E_rate_fitness: {'Value': 78.3055555555554, 'Fit': 1000} I rate fitness: {'Value': 0.037037037037037035, 'Fit': 1000} probEl maxFitness: 1000 probEE average_fitness: 557.261235700064 gnabar average scaled fitness: 556.8180269931812 gnabar E 6B---(8B)-6B)(6B)-6B)(6B)-6B)(6B)B)(6B)-6C)(6B)(6B)(6B)(6B)(6B)(6B)(6B)-6B)-6B)-6B)-6B)(6B)(6B)(6B) 1000 akbar binSize: 7.5 gkbar E 1250 gaussianSigma: 30.0 propVelocity thresholdBurst: 1.0 duration_seconds 1750 0.0 0.2 1.0 0.8 1500 2000 2500 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking E0_highFR soma voltage 250 Cell 280, Pop 20 200 -60 Rate [Hz] I0_highFR soma_voltage 100 10 Cell 0, Pop E Cell 280, Pop I -20 50 -40 -60 --- Peak Amplitude Target 0 -2000 12000 14000

12000

14000

10000

Time (ms)

--- Baseline Target

4000

6000

8000

Time [ms]

10000

12000

14000

2000

4000

6000

8000

Time (ms)

2000