Generation Rank: 6/8

burts_peak_targets: {'cutoff': 1250, 'big_bursts': {'target': 1616.784, 'max': 1955.749, 'min': 1252.317, 'width': 350716.0, 'num_target': 31.25, 'num_min': 0}, 'lil_bursts': {'target': 402.633, 'max': 1205.884, 'min': 723.599, 'width': 1080641.25, 'num_target': 68.75, 'num_min': 0}} burst peak frequency: {'target': 0.11636363636363636, 'max': 1, 'min': 0} IBI_targets: {'target': 8.79, 'width': 11070.0, 'max': 24.6} baseline_targets: {'target': 294.444, 'max': 724.599, 'min': 0} rate slope: {'target': 0.002497512709074353} weightll sustained_osci: {'target': 90.90303232255916} weightIE thresh_target: {'target': 718.115, 'max': 724.599} weightEl rate_targets: {'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}} weightEE tau2_inh BigBurstVal_Fitness: {'Value': 18226.42724110296, 'Fit': 1000.0} tau2_exc numBig_Fitness: {'Value': 5, 'Percent': 100.0, 'Fit': 1000} SmallBurstVal_Fitness: {'Value': None, 'Fit': 1000} tau1_inh numSmall_Fitness: {'Value': 0, 'Percent': 0.0, 'Fit': 1000} taul_exc burst_peak_frequency_fitness: {'Value': 0.43859649122807015, 'Fit': 1.3802061262522238} probLengthConst IBI_fitness: {'Value': 2.575, 'Fit': 1.0005615965939352} probli baseline fitness: {'Value': 17995.48851200694, 'Fit': 1000} problE slopeFitness: {'Value': -19.268936115803232, 'Fit': 1000} thresh: {'|Value': 17638.581386899332, 'Fit': 1000} probEl sustain_oscillation_fitness: {'Value': 73.50993377483444, 'Fit': 1000} probEE E_rate_fitness: {'Value': 59.39682539682539, 'Fit': 1000} gnabar I I rate fitness ('Value': 12.425925925925926, 'Fit': 1000 maxFitness: 1000 gnabar E average fitness: 833.5317306435705 gkbar akbar E propVelocity binSize: 0.1 duration_seconds gaussianSigma: 0.15 0.0 0.2 0.8 1.0 thresholdBurst: 1 500 1000 2000 2500 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking --- Big Burst Target 20000 400 --- Baseline Target 350 17500 300 15000 250 12500 <u>황</u> 10000 7500 100 5000 50 2500

10

Time [s]

2000

6000 Time (ms)