rate slope: {'target': 0, 'width': 0.5, 'max': 0.5} thresh target: {'target': 5, 'width': 1, 'min': 3, 'max': 7} sustained osci: {'target': 100, 'width': 5, 'min': 75} weightEE tau2_inh tau2_exc burstAmp Fitness: {'Value': 0.2501488601348787, 'Fit': 1000.0} tau1_inh burst_peak_frequency_fitness: {'Value': 1.0351966873706004, 'Fit': 67.43607581631763} IBI fitness: {'Value': 1087.5, 'Fit': 2.6154419831070417} baseline fitness: {'Value': 1.3909153014625095, 'Fit': 1.1152568069616986} slopeFitness: {'Value': -0.0004430302461372862, 'Fit': 1.0008864531598398} thresh: {'Value': 1.3914360839734552, 'Fit': 1000} probE probE rate fitness: {'Value': 4.427248677248677, 'Fit': 10.119922638306656} maxFitness: 1000 average fitness: 260.94775921854034 average scaled fitness: 260.20731073771105 Raster plot of spiking Middlemost 1 second of simulation 400 350 250 0.6 Peak Amplitude Target 200 0.4 100 0.2 50 2000 3000 4000 Time [ms] Time (ms)

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}