Data Directory: /NERSC/output/240505_Run16_debug_node_run/gen_0/gen_0_cand_0_data.json
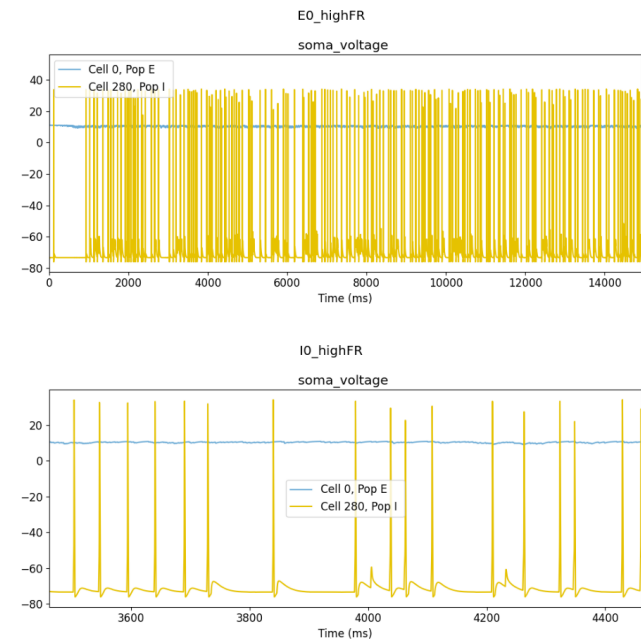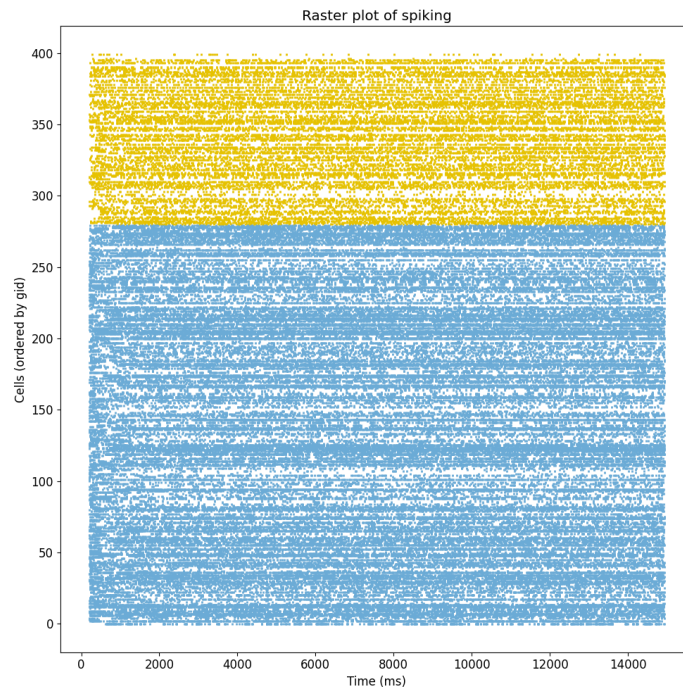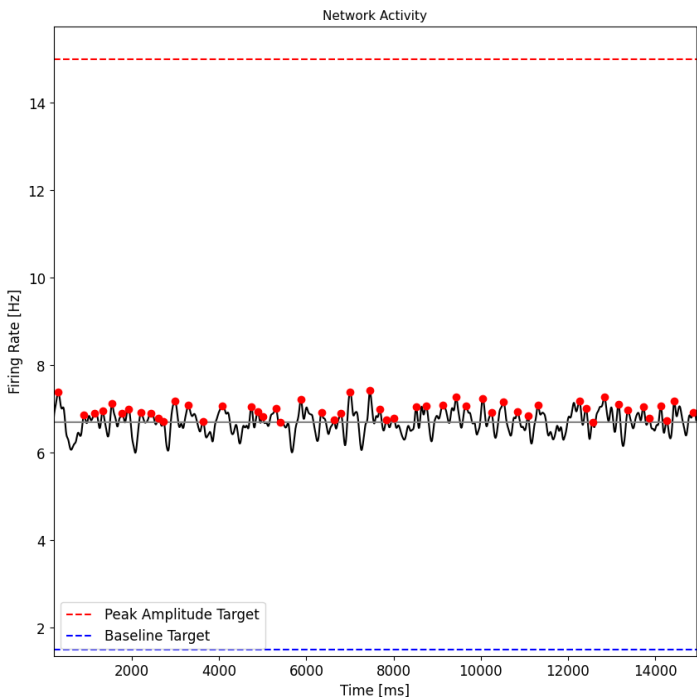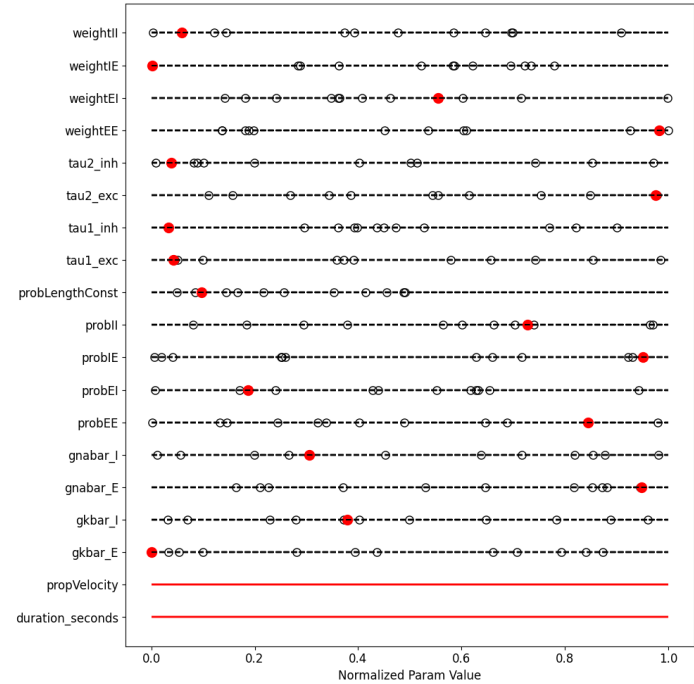SimLabel: gen_0_cand_0
Generation Rank: 1/12

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}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.16666666666666666, 'min': 0.25}
sustained_osci: {'target': 100, 'width': 5, 'min': 75}

burstAmp_Fitness: {'Value': 0.30033452687968537, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 3.4805890227576977, 'Fit': 1000}
IBI_fitness: {'Value': 285.5882352941176, 'Fit': 3.8967852253300825}
baseline_fitness: {'Value': 6.7214472326517, 'Fit': 1000}
slopeFitness: {'Value': 3.881435318229747e-05, 'Fit': 1.0000776317195506}
thresh: {'Value': 6.698072459051234, 'Fit': 0.1830359936166391}
sustain_oscillation_fitness: {'Value': 98.25087456271864, 'Fit': 1.4188193575851051}
E_rate_fitness: {'Value': 19.46825396825397, 'Fit': 119.97718351175384}
I_rate_fitness: {'Value': 8.916666666666666, 'Fit': 8.234505665347891}
maxFitness: 1000
average_fitness: 348.3011563761504
average_scaled_fitness: 348.18185019344315

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0

Network Activity

Raster plot of spiking

E0_highFR
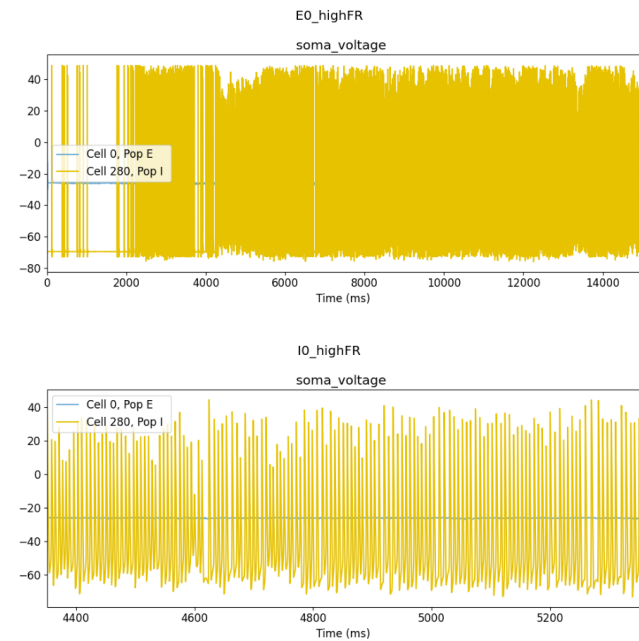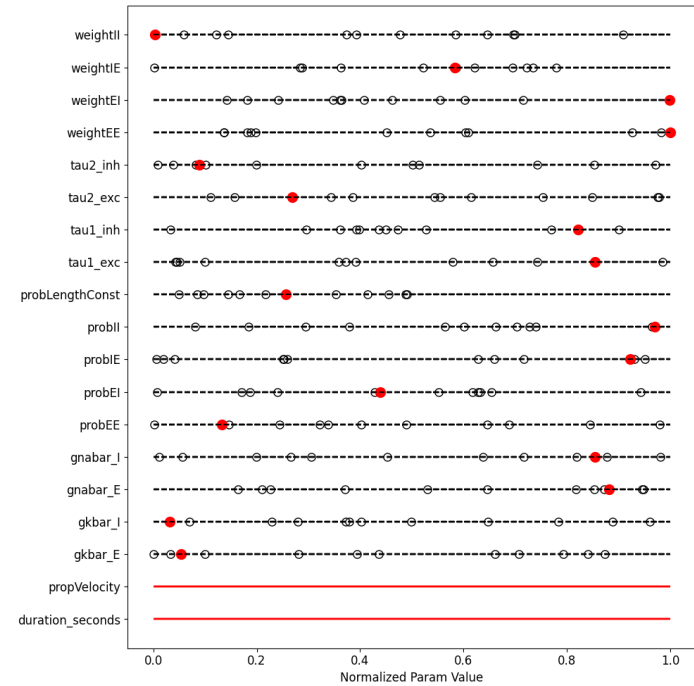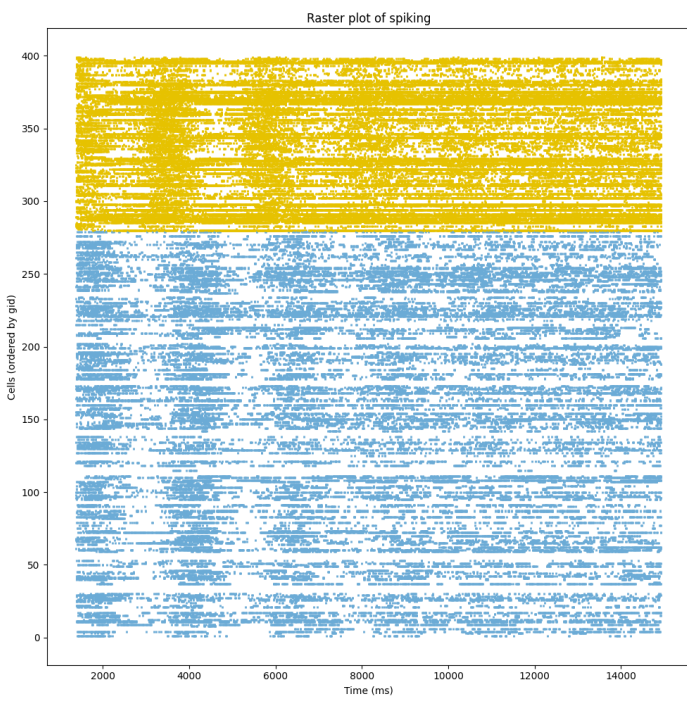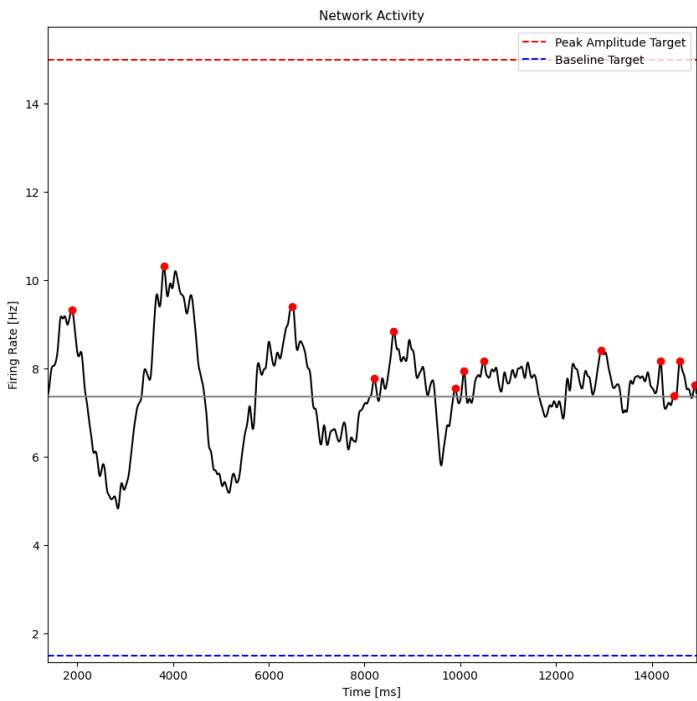soma_voltage

I0_highFR
soma_voltage

Data Directory: /NERSC/output/240505_Run16_debug_node_run/gen_0/gen_0_cand_2_data.json
SimLabel: gen_0_cand_2
Generation Rank: 0/12

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}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.16666666666666666, 'min': 0.25}
sustained_osci: {'target': 100, 'width': 5, 'min': 75}

burstAmp_Fitness: {'Value': 1.0250431258722161, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.8705842959986607, 'Fit': 25.11601714770625}
IBI_fitness: {'Value': 1084.375, 'Fit': 2.85101037494308}
baseline_fitness: {'Value': 7.537977366492049, 'Fit': 1000}
slopeFitness: {'Value': 9.223468005348428e-05, 'Fit': 1.0001844863756257}
thresh: {'Value': 7.3660903865557765, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 90.35482258870566, 'Fit': 6.882868390332167}
E_rate_fitness: {'Value': 1.6666666666666665, 'Fit': 10.312258501325767}
I_rate_fitness: {'Value': 23.324074074074073, 'Fit': 1.949538333691855}
maxFitness: 1000
average_fitness: 338.6790974704861
average_scaled_fitness: 338.0169923359762

binSize: 7.5
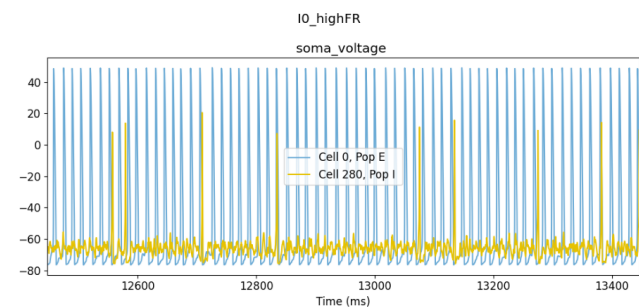gaussianSigma: 30.0
thresholdBurst: 1.0

Network Activity

Raster plot of spiking

E0_highFR
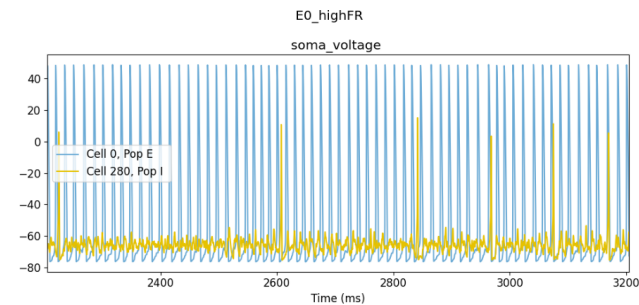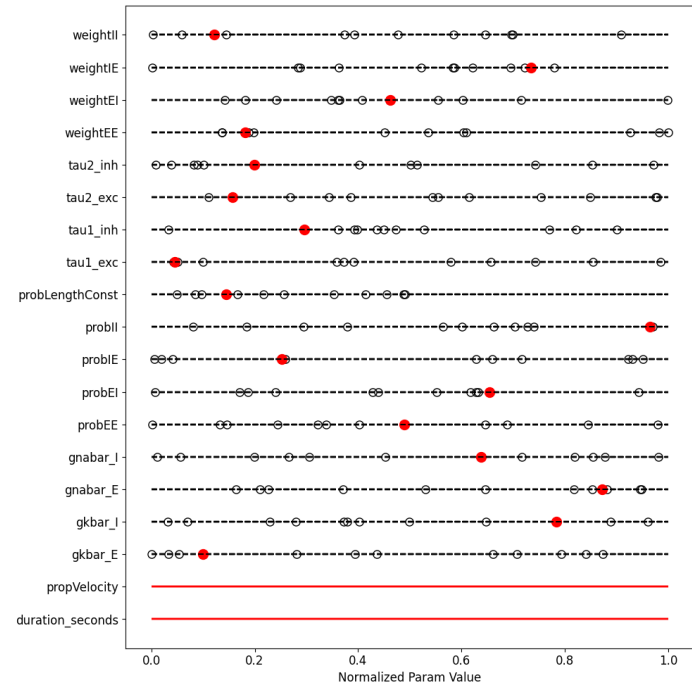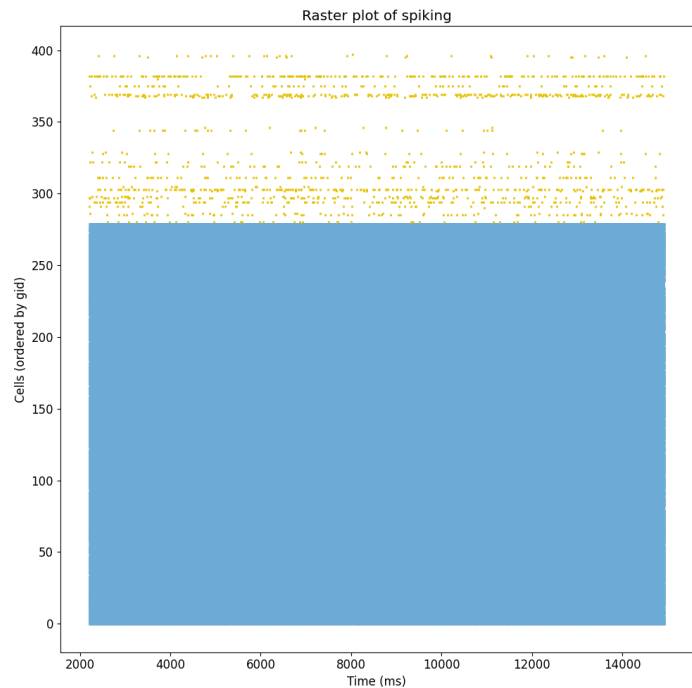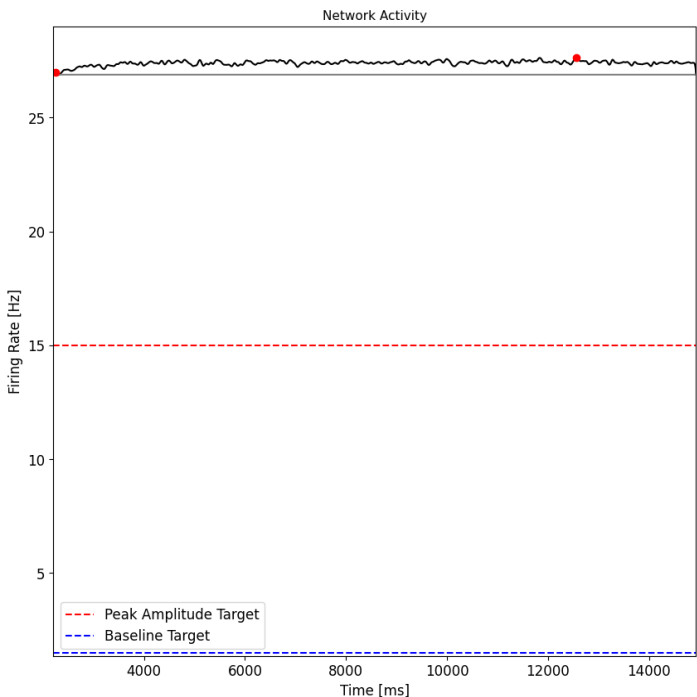soma_voltage

I0_highFR
soma_voltage

Data Directory: /NERSC/output/240505_Run16_debug_node_run/gen_0/gen_0_cand_27_data.json
SimLabel: gen_0_cand_27
Generation Rank: 3/12

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}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.16666666666666666, 'min': 0.25}
sustained_osci: {'target': 100, 'width': 5, 'min': 75}

burstAmp_Fitness: {'Value': 0.41591259211006637, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.1339360455382555, 'Fit': 1000}
IBI_fitness: {'Value': 10312.5, 'Fit': 1000.0}
baseline_fitness: {'Value': 27.399910865450924, 'Fit': 1000}
slopeFitness: {'Value': 9.127417216062147e-05, 'Fit': 1.0001825650072842}
thresh: {'Value': 26.890714869518202, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 84.8575712143928, 'Fit': 20.665915669030873}
E_rate_fitness: {'Value': 69.81746031746032, 'Fit': 1000}
I_rate_fitness: {'Value': 20.657407407407405, 'Fit': 2.5453273316069747}
maxFitness: 1000
average_fitness: 669.3568250628495
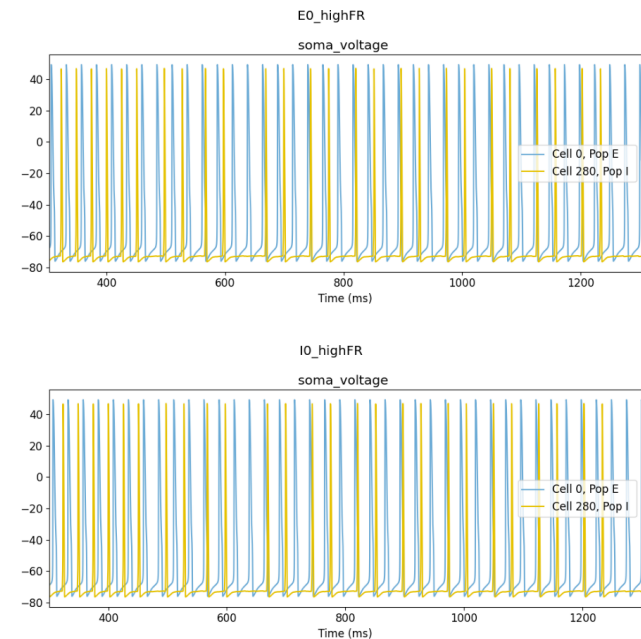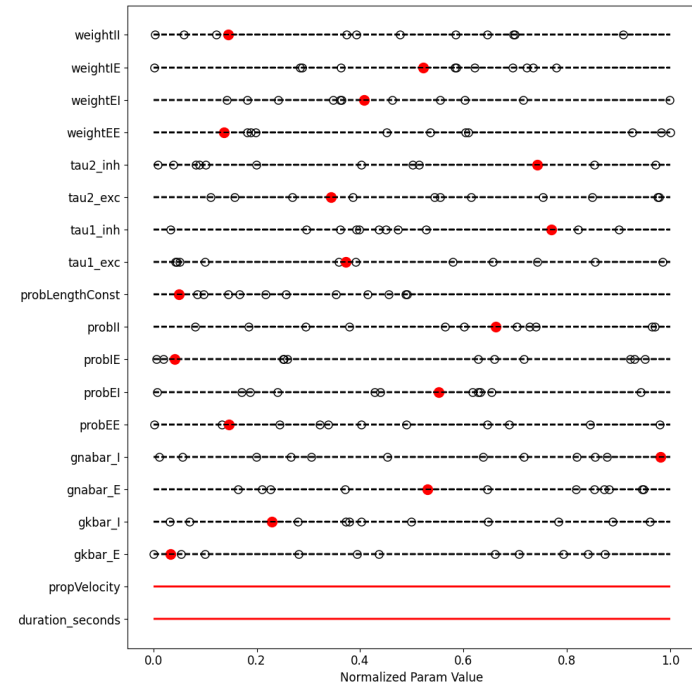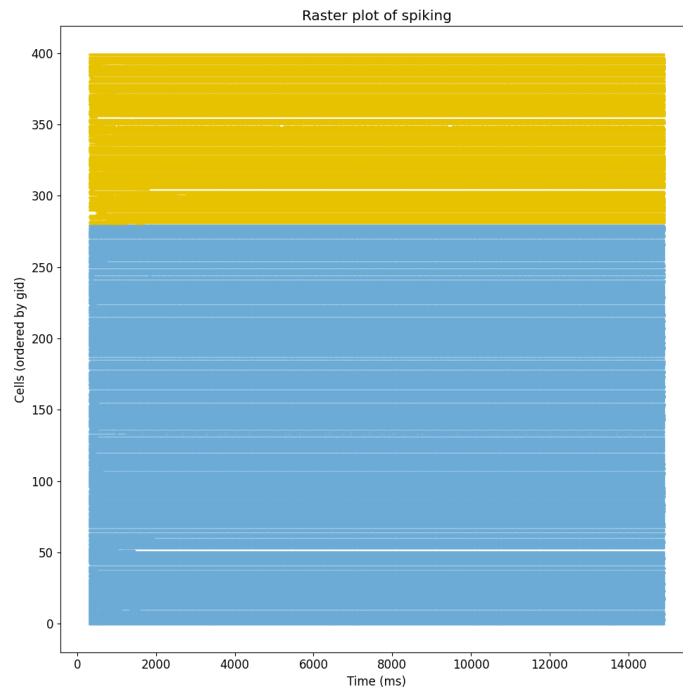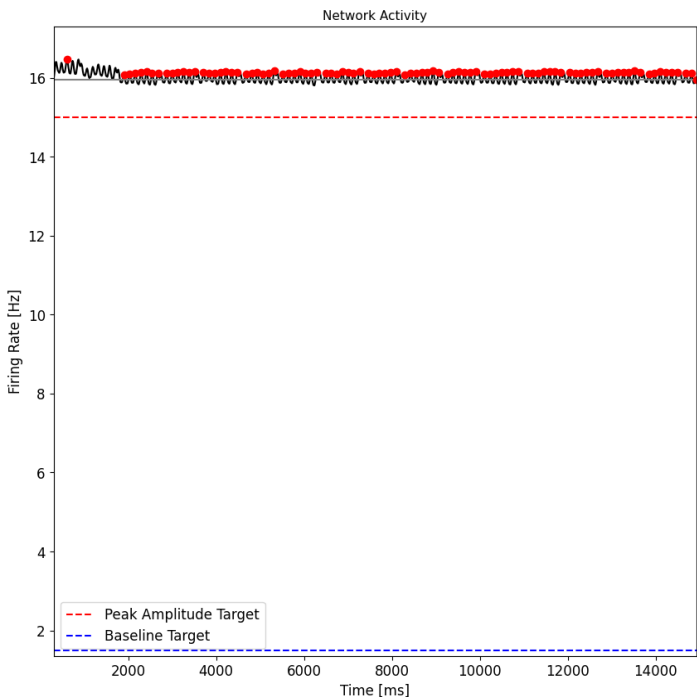average_scaled_fitness: 669.0257904289695

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0

Network Activity

Raster plot of spiking

E0_highFR
soma_voltage

I0_highFR
soma_voltage

Data Directory: /NERSC/output/240505_Run16_debug_node_run/gen_0/gen_0_cand_95_data.json
SimLabel: gen_0_cand_95
Generation Rank: 2/12

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}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.16666666666666666, 'min': 0.25}
sustained_osci: {'target': 100, 'width': 5, 'min': 75}

burstAmp_Fitness: {'Value': 0.18042270520721204, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 6.435394670688789, 'Fit': 1000}
IBI_fitness: {'Value': 150.6315789473684, 'Fit': 4.1629109324861915}
baseline_fitness: {'Value': 15.99910439481653, 'Fit': 1000}
slopeFitness: {'Value': -5.960270561828228e-05, 'Fit': 1.000119212516484}
thresh: {'Value': 15.949369010922368, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 97.4512743628186, 'Fit': 1.6648668119937748}
E_rate_fitness: {'Value': 38.43650793650794, 'Fit': 1000}
I_rate_fitness: {'Value': 44.851851851851855, 'Fit': 4.415783074673228}
maxFitness: 1000
average_fitness: 556.8048533368523
average_scaled_fitness: 556.361161611161

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0

Network Activity

Raster plot of spiking

E0_highFR
soma_voltage

I0_highFR
soma_voltage

Data Directory: /NERSC/output/240505_Run16_debug_node_run/gen_3/gen_3_cand_43_data.json
SimLabel: gen_3_cand_43
Generation Rank: 0/12

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}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.16666666666666666, 'min': 0.25}
sustained_osci: {'target': 100, 'width': 5, 'min': 75}

burstAmp_Fitness: {'Value': 0.2295491741669362, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 2.818319073980876, 'Fit': 1000}
IBI_fitness: {'Value': 361.4634146341463, 'Fit': 3.7759145094198985}
baseline_fitness: {'Value': 8.668392086995631, 'Fit': 1000}
slopeFitness: {'Value': -0.00023946038671839984, 'Fit': 1.0004790354743005}
thresh: {'Value': 8.681183399036636, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 99.30034982508745, 'Fit': 1.1501933227460608}
E_rate_fitness: {'Value': 25.198412698412696, 'Fit': 1000}
I_rate_fitness: {'Value': 22.314814814814813, 'Fit': 2.15656896901947}
maxFitness: 1000
average_fitness: 556.453683981851
average_scaled_fitness: 556.0094807754176

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0

Network Activity

Raster plot of spiking

E0_highFR
soma_voltage

I0_highFR
soma_voltage