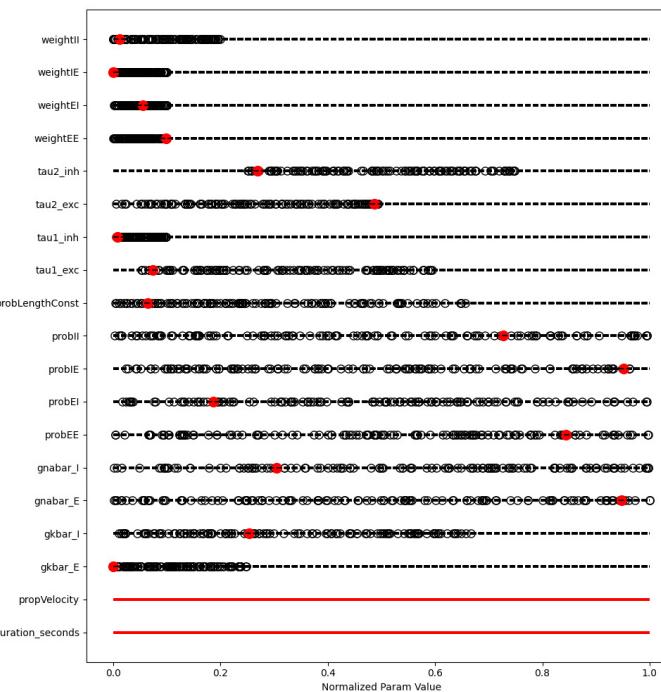
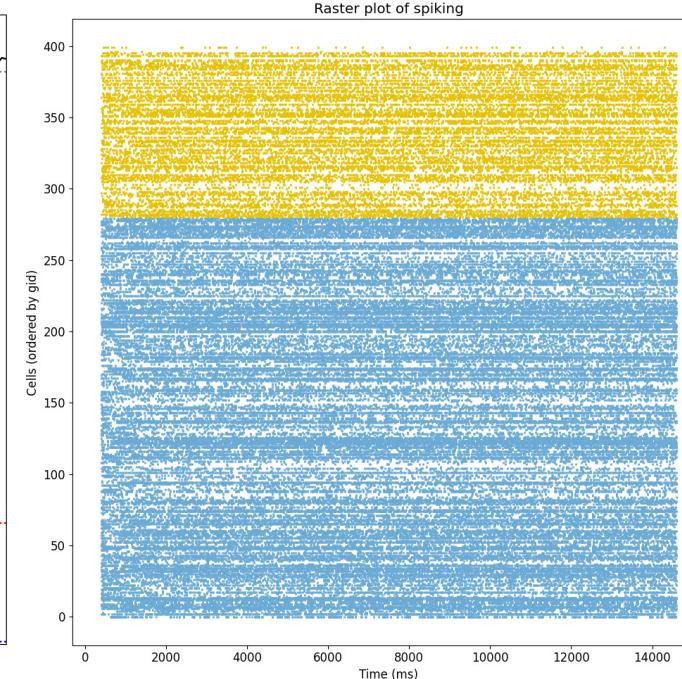
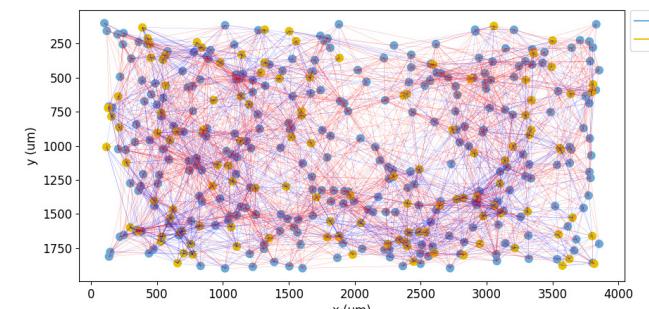


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_0_data.json
SimLabel	gen_0_cand_0
Generation Rank	15/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

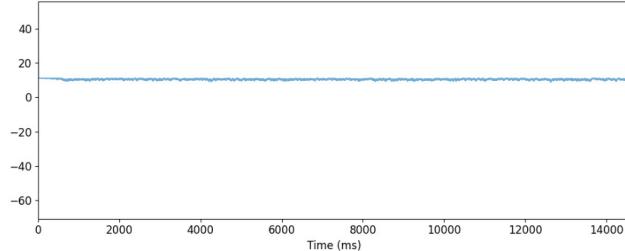
Metric	Value
BigBurstVal_Fitness	{'Value': 6816.756188836211, 'Fit': 1000.0}
numBig_Fitness	{'Value': 11, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.7534246575342465, 'Fit': 1.8909153446506628}
IBI_fitness	{'Value': 1.24, 'Fit': 1.0006822569033527}
baseline_fitness	{'Value': 6723.0216773427255, 'Fit': 1000}
slopeFitness	{'Value': 0.7021746604568807, 'Fit': 2.0131026678125385}
thresh	{'Value': 6654.566422448976, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 94.70198675496688, 'Fit': 44.654470808871295}
E_rate_fitness	{'Value': 19.46825396825397, 'Fit': 1000}
I_rate_fitness	{'Value': 8.916666666666666, 'Fit': 67.10117468898616}
maxFitness	1000
average_fitness	593.0550288139353
average_scaled_fitness	0.5926473982931039

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



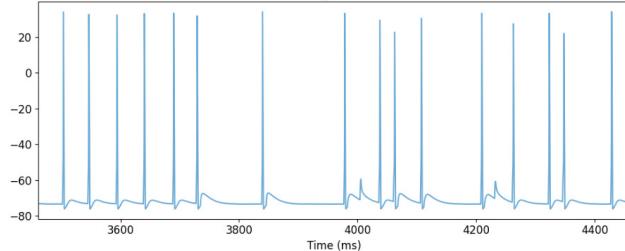
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

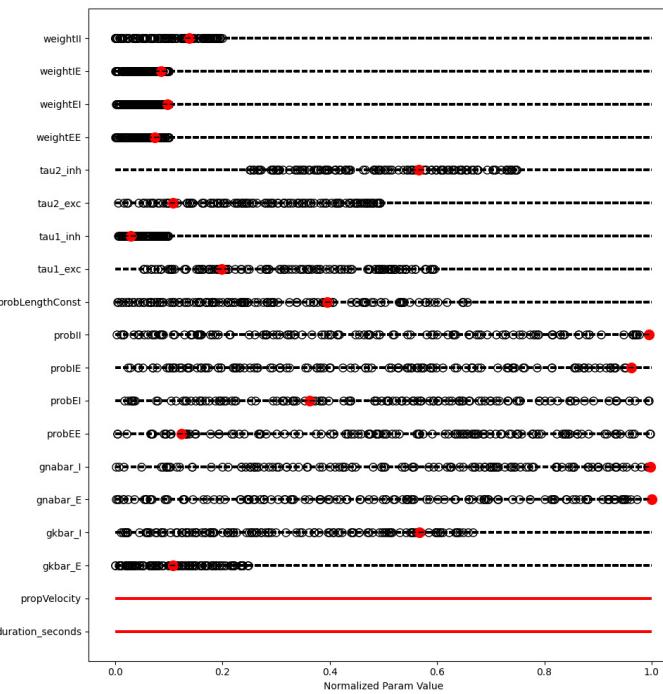
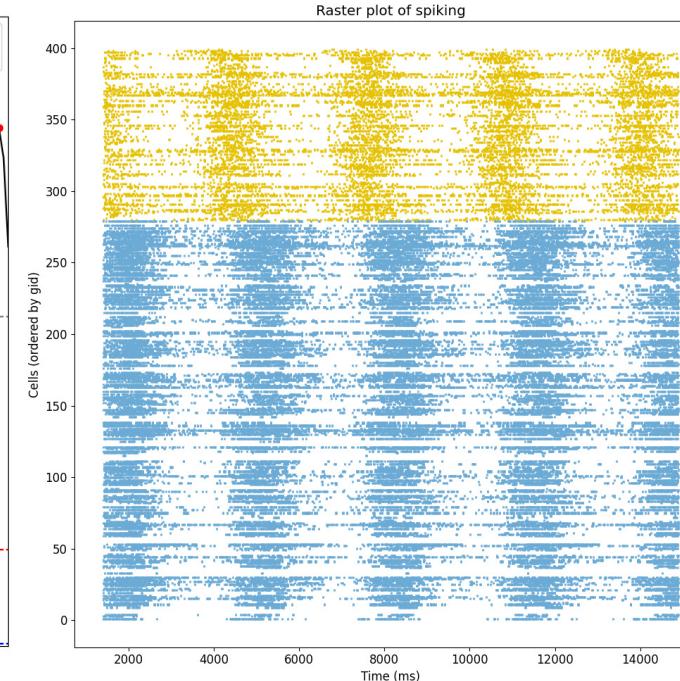
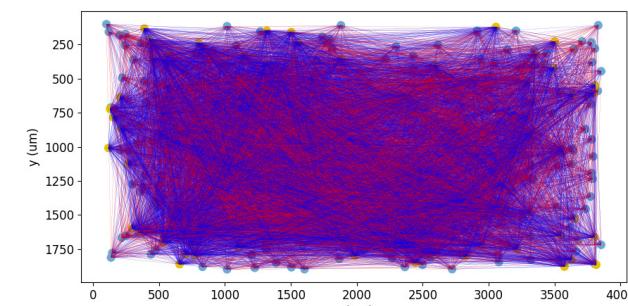


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_1_data.json
SimLabel	gen_0_cand_1
Generation Rank	13/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

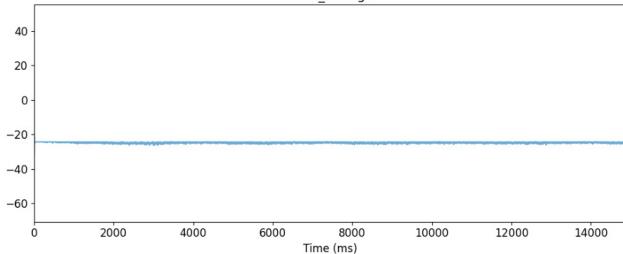
Metric	Value
BigBurstVal_Fitness	{'Value': 8064.011016475126, 'Fit': 1000.0}
numBig_Fitness	{'Value': 5, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.33557046979865773, 'Fit': 1.2450887760453309}
IBI_fitness	{'Value': 3.1500000000000004, 'Fit': 1.0000509614935043}
baseline_fitness	{'Value': 4433.057395245877, 'Fit': 1000}
slopeFitness	{'Value': -3.731741777975032, 'Fit': 41.85617306861315}
thresh	{'Value': 4885.188084639057, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 90.06622516556291, 'Fit': 2.308982974937318}
E_rate_fitness	{'Value': 2.4563492063492065, 'Fit': 4.850018598329761}
I_rate_fitness	{'Value': 15.435185185185185, 'Fit': 1000}
maxFitness	1000
average_fitness	587.605064419405
average_scaled_fitness	0.5871920460923988

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



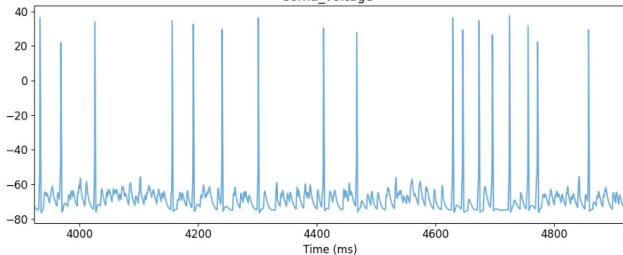
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

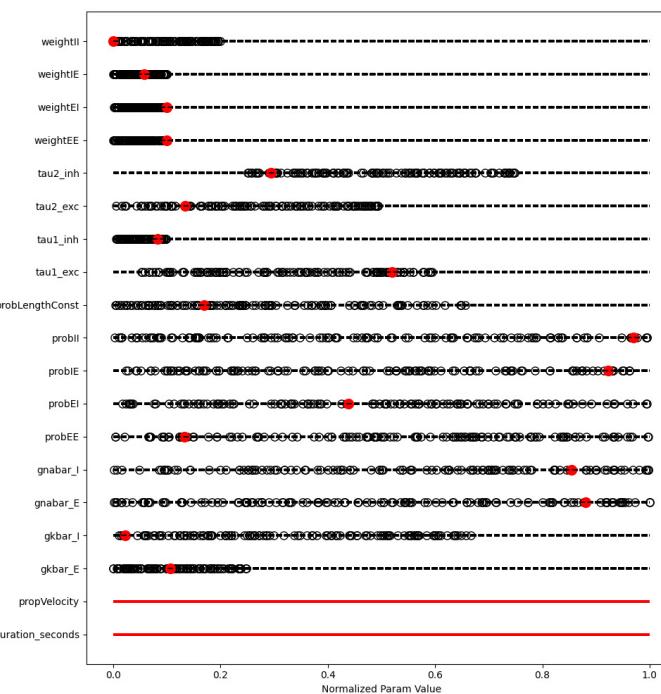
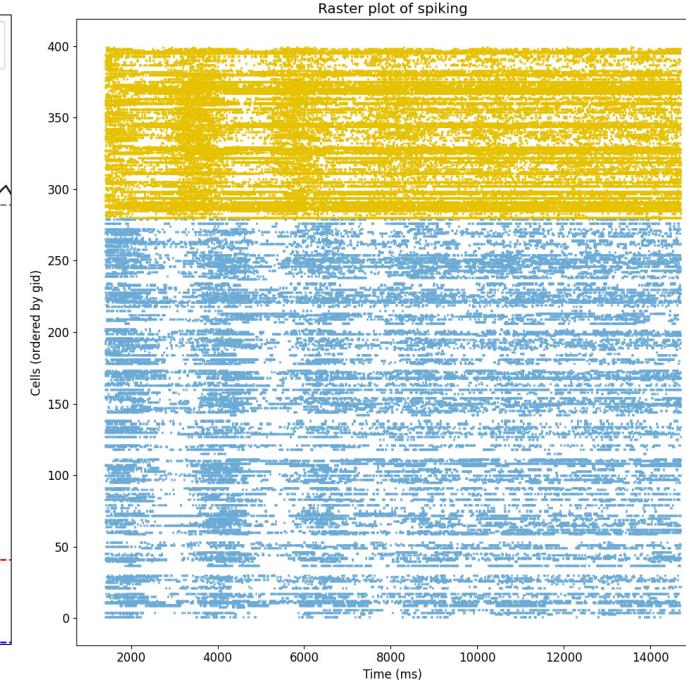
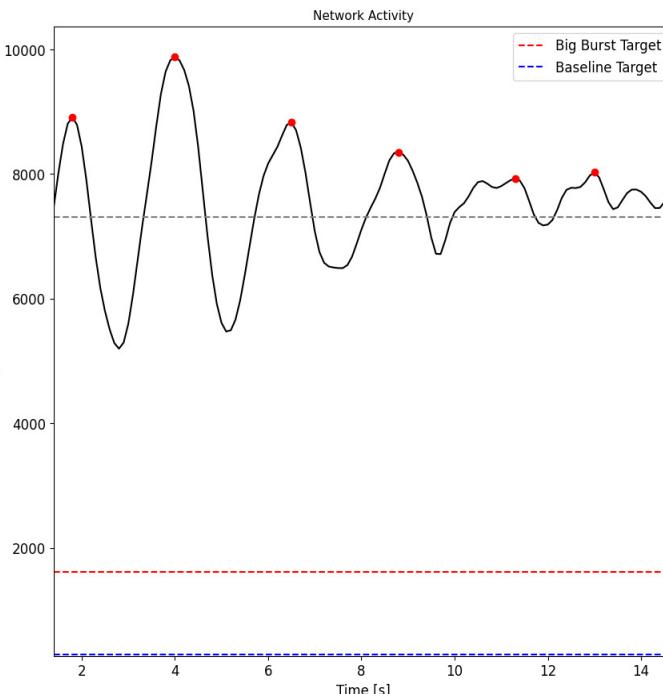


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_2_data.json
SimLabel	gen_0_cand_2
Generation Rank	5/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

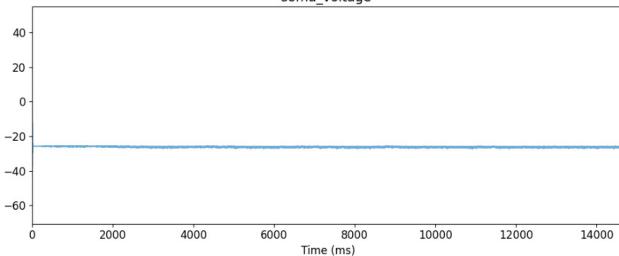
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224, 'Fit': 1.3388347270312633}
IBI_fitness	{'Value': 2.2399999999999998, 'Fit': 1.0005918646855756}
baseline_fitness	{'Value': 7538.928499702213, 'Fit': 1000}
slopeFitness	{'Value': 1.4488921866394986, 'Fit': 4.247772270785199}
thresh	{'Value': 7314.209214562259, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.74172185430463, 'Fit': 8.682508357938584}
E_rate_fitness	{'Value': 1.6666666666666665, 'Fit': 2.2018545883903475}
I_rate_fitness	{'Value': 23.324074074074073, 'Fit': 1000}
maxFitness	1000
average_fitness	584.7892968174026
average_scaled_fitness	0.5843734242469569

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



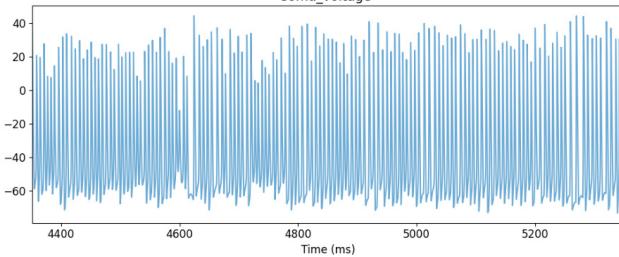
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

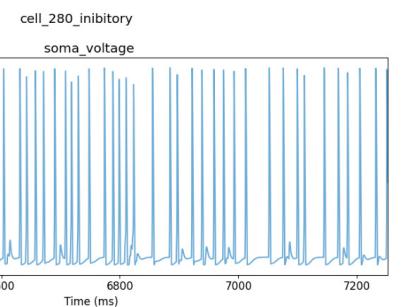
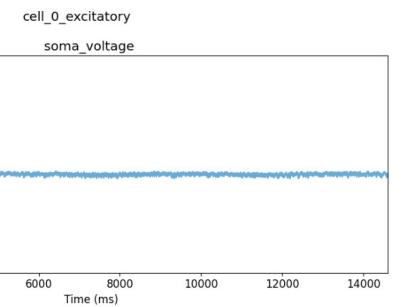
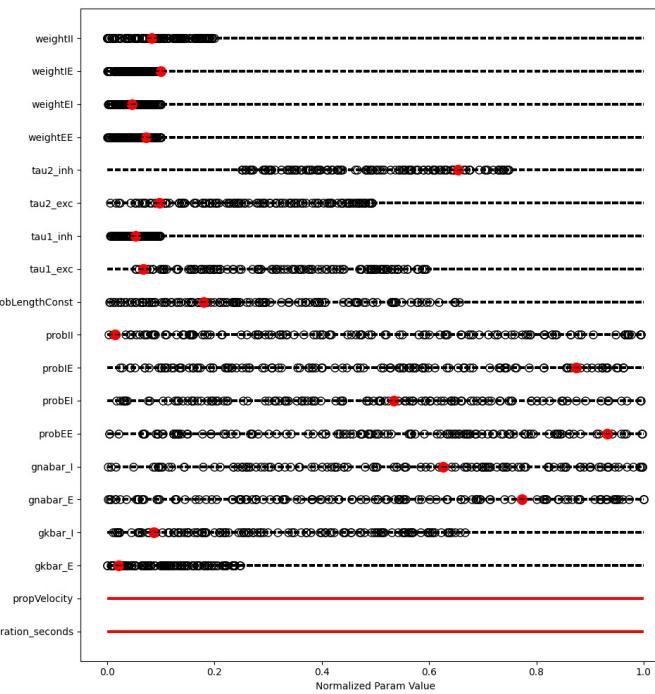
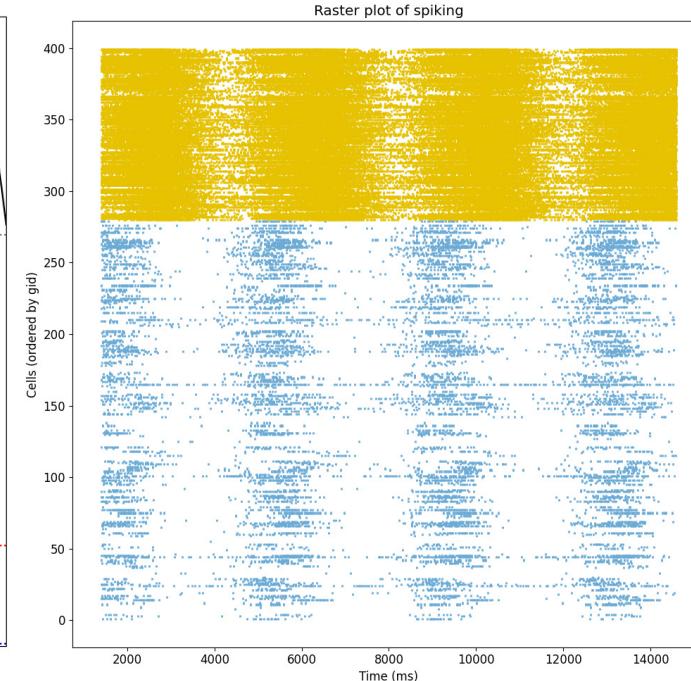
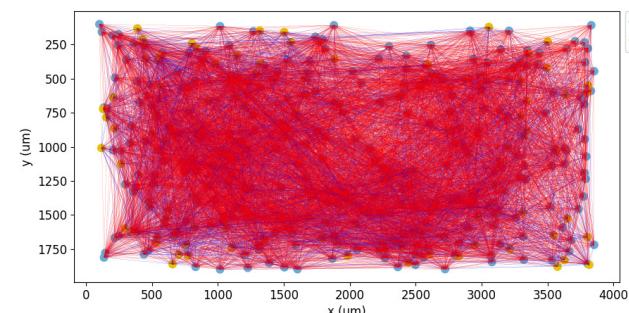


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_3_data.json
SimLabel	gen_0_cand_3
Generation Rank	6/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 8228.53813780273, 'Fit': 1000.0}
numBig_Fitness	{'Value': 4, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.273972602739726, 'Fit': 1.1707083188746092}
IBI_fitness	{'Value': 3.7333333333333334, 'Fit': 1.0004568945314503}
baseline_fitness	{'Value': 5574.259460854539, 'Fit': 1000}
slopeFitness	{'Value': 0.8661117997383281, 'Fit': 2.371717288429145}
thresh	{'Value': 5785.859804154616, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.0794701986755, 'Fit': 16.83671845754203}
E_rate_fitness	{'Value': 0.8849206349206349, 'Fit': 1.0075825714157556}
I_rate_fitness	{'Value': 18.416666666666664, 'Fit': 1000}
maxFitness	1000
average_fitness	585.1989319608994
average_scaled_fitness	0.5847835257765395

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

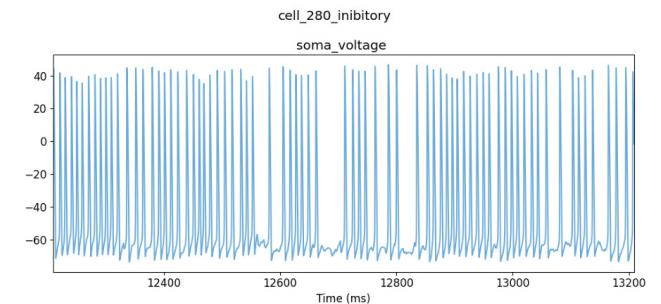
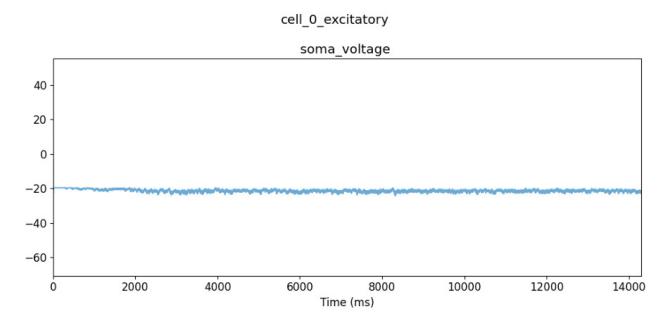
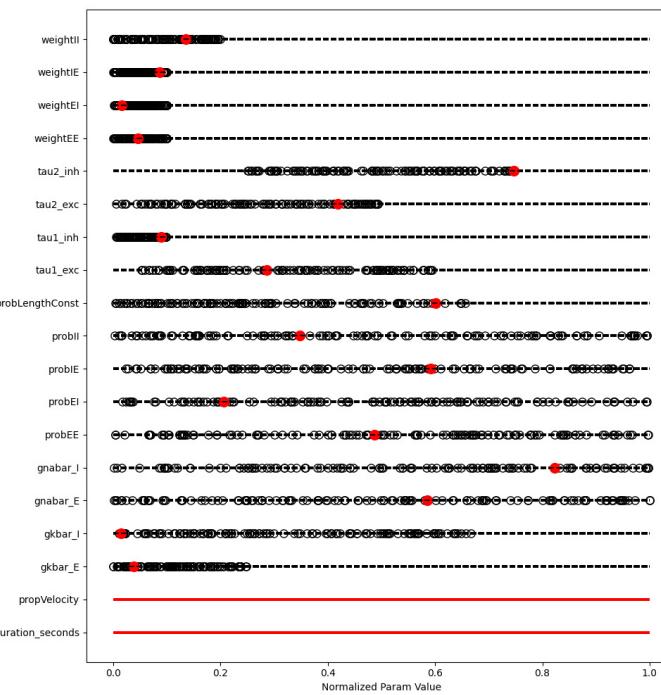
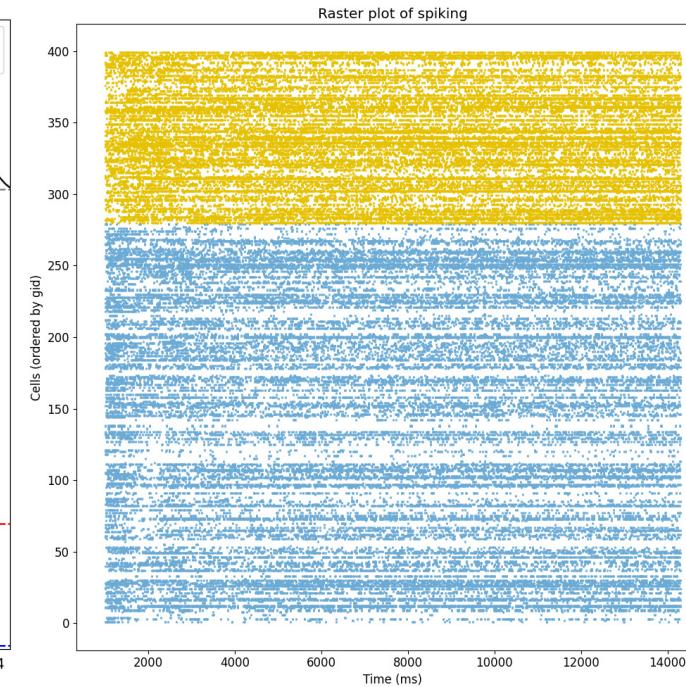
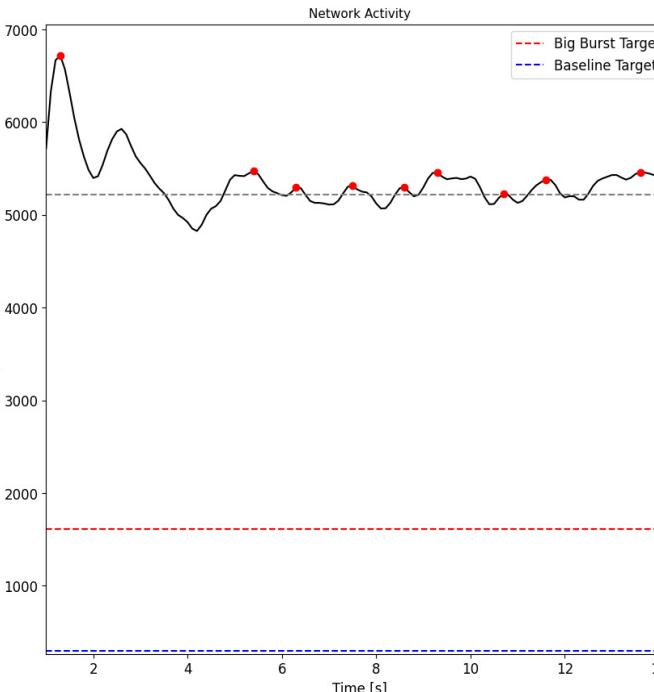


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_4_data.json
SimLabel	gen_0_cand_4
Generation Rank	14/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 5513.184788280228, 'Fit': 1000.0}
numBig_Fitness	{'Value': 9, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.6293706293706294, 'Fit': 1.6703062502629833}
IBI_fitness	{'Value': 1.5375, 'Fit': 1.0006553681068553}
baseline_fitness	{'Value': 5359.828215021184, 'Fit': 1000}
slopeFitness	{'Value': -2.915043972965204, 'Fit': 18.49575942750156}
thresh	{'Value': 5221.549244267976, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.74172185430463, 'Fit': 8.682508357938584}
E_rate_fitness	{'Value': 4.833333333333333, 'Fit': 52.24617417501778}
I_rate_fitness	{'Value': 16.97222222222222, 'Fit': 1000}
maxFitness	1000
average_fitness	590.1746169649024
average_scaled_fitness	0.5897641122216067

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

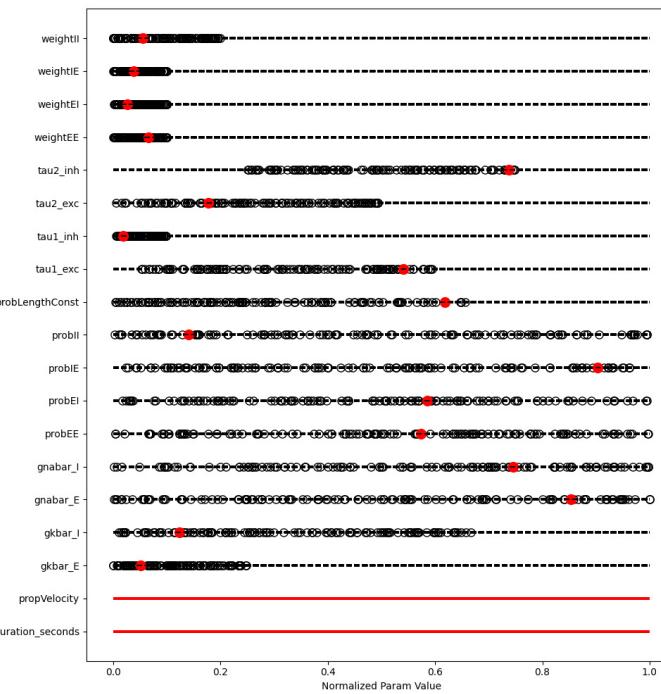
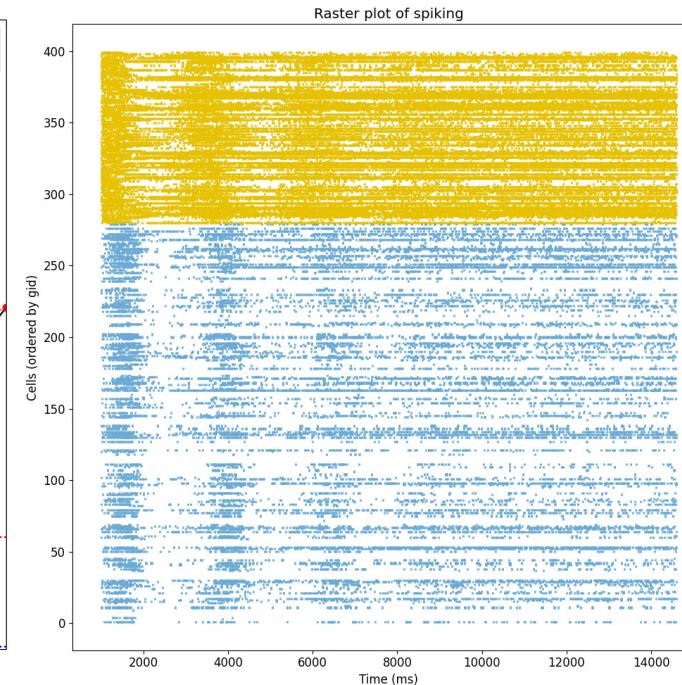
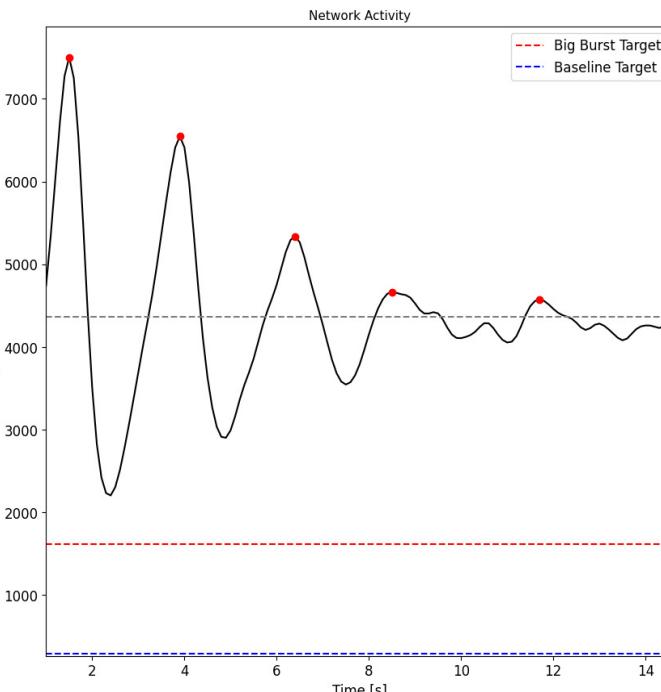


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_5_data.json
SimLabel	gen_0_cand_5
Generation Rank	10/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

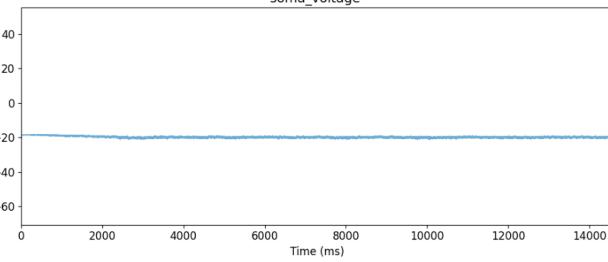
Metric	Value
BigBurstVal_Fitness	{'Value': 5503.702820679034, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.410958904109589, 'Fit': 1.3425828621203695}
IBI_fitness	{'Value': 2.62, 'Fit': 1.0005575182062114}
baseline_fitness	{'Value': 4363.242593311536, 'Fit': 1000}
slopeFitness	{'Value': -3.2009320259970515, 'Fit': 24.61680989661906}
thresh	{'Value': 4369.494696224628, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 90.72847682119205, 'Fit': 1.1907168269628419}
E_rate_fitness	{'Value': 0.36507936507936506, 'Fit': 1.669104577710649}
I_rate_fitness	{'Value': 27.462962962962962, 'Fit': 1000}
maxFitness	1000
average_fitness	585.8183143068015
average_scaled_fitness	0.5854034866483455

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



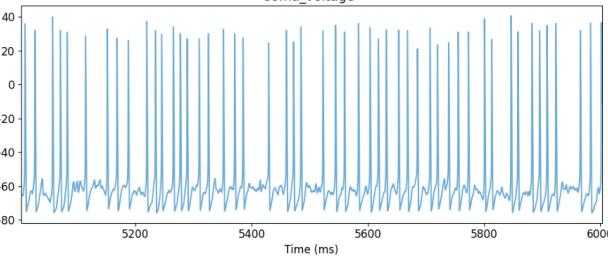
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

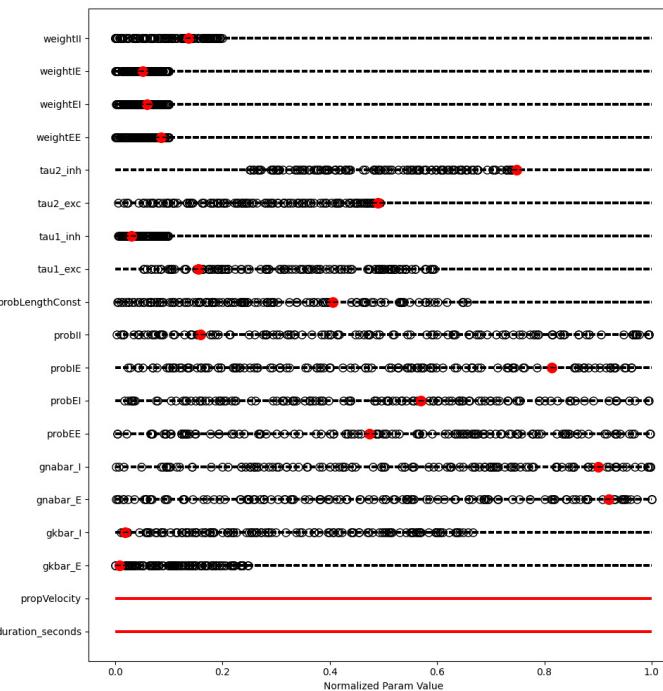
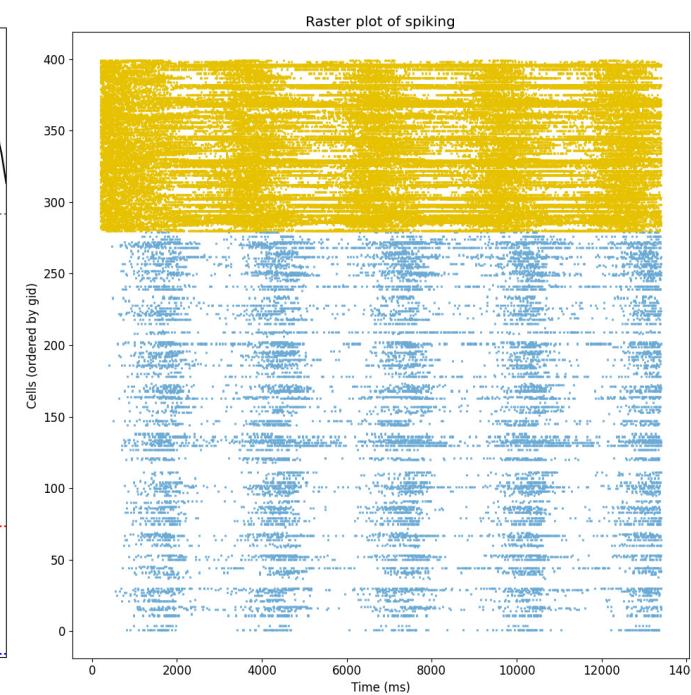
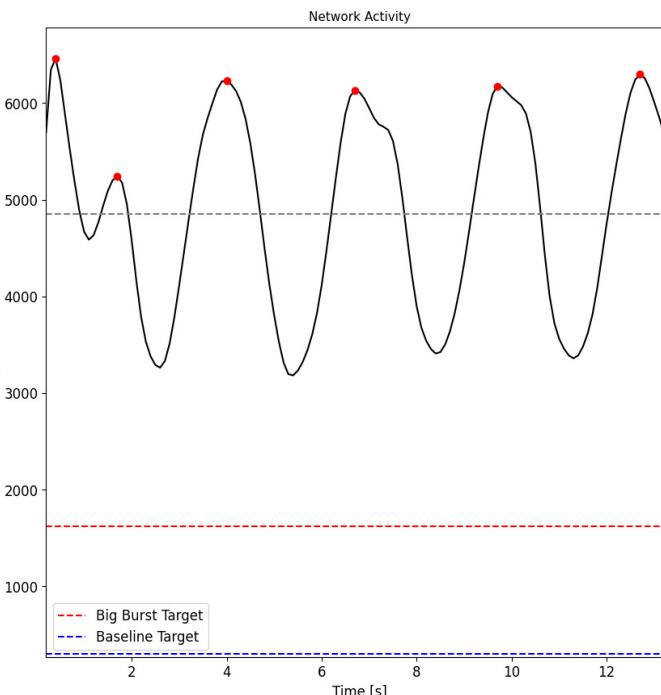


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_6_data.json
SimLabel	gen_0_cand_6
Generation Rank	8/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

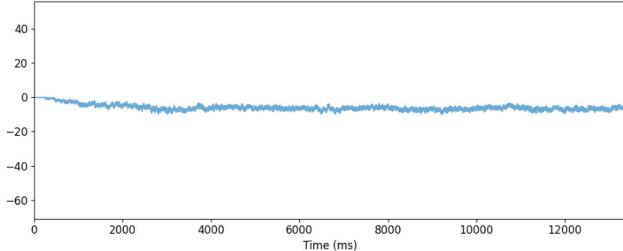
Metric	Value
BigBurstVal_Fitness	{'Value': 6090.046349287401, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.44776119402985076, 'Fit': 1.3929134456650312}
IBI_fitness	{'Value': 2.46, 'Fit': 1.0005719808787474}
baseline_fitness	{'Value': 4885.847624181666, 'Fit': 1000}
slopeFitness	{'Value': 1.2362045253184273, 'Fit': 3.433935613564014}
thresh	{'Value': 4849.225520041158, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.0794701986755, 'Fit': 16.83671845754203}
E_rate_fitness	{'Value': 0.5793650793650794, 'Fit': 1.3471639262782007}
I_rate_fitness	{'Value': 47.78703703703704, 'Fit': 1000}
maxFitness	1000
average_fitness	585.3342752853273
average_scaled_fitness	0.5849189568237313

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



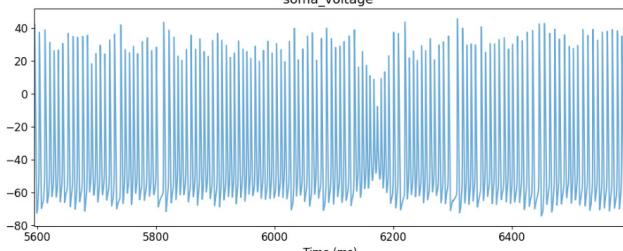
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

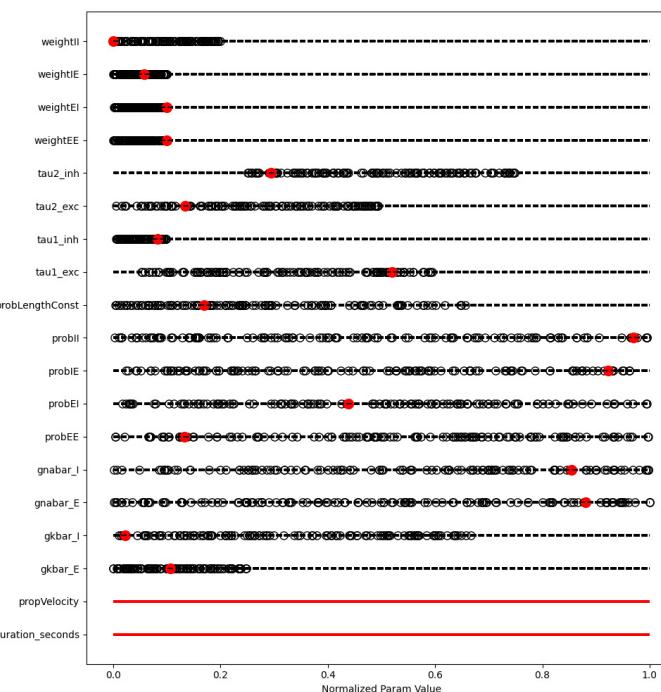
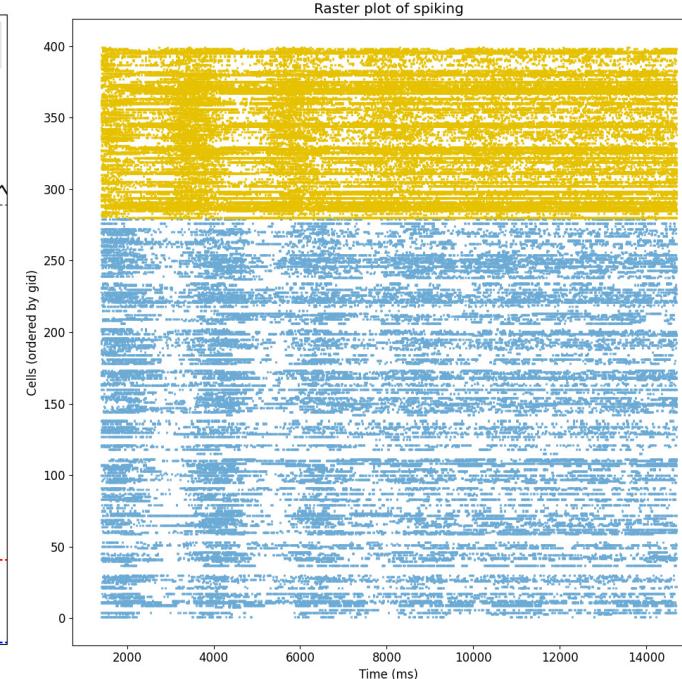
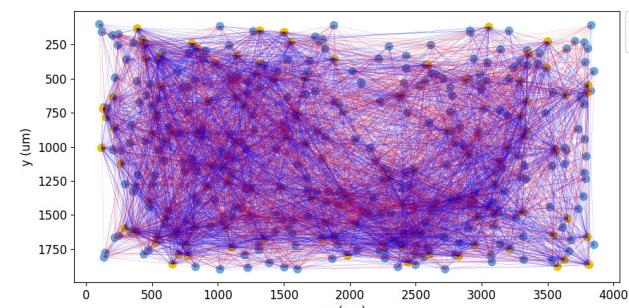


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_7_data.json
SimLabel	gen_0_cand_7
Generation Rank	2/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

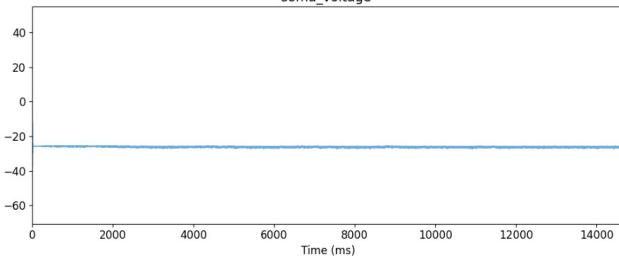
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224, 'Fit': 1.3388347270312633}
IBI_fitness	{'Value': 2.2399999999999998, 'Fit': 1.0005918646855756}
baseline_fitness	{'Value': 7538.928499702213, 'Fit': 1000}
slopeFitness	{'Value': 1.4488921866394986, 'Fit': 4.247772270785199}
thresh	{'Value': 7314.209214562259, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.74172185430463, 'Fit': 8.682508357938584}
E_rate_fitness	{'Value': 1.6666666666666665, 'Fit': 2.2018545883903475}
I_rate_fitness	{'Value': 23.324074074074073, 'Fit': 1000}
maxFitness	1000
average_fitness	584.7892968174026
average_scaled_fitness	0.5843734242469569

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



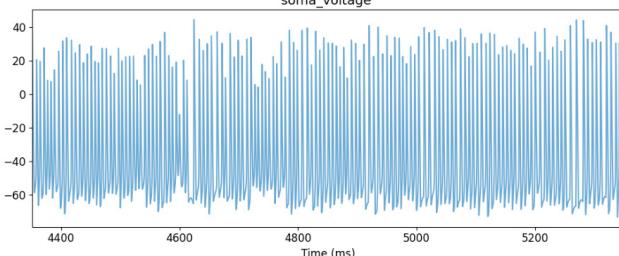
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

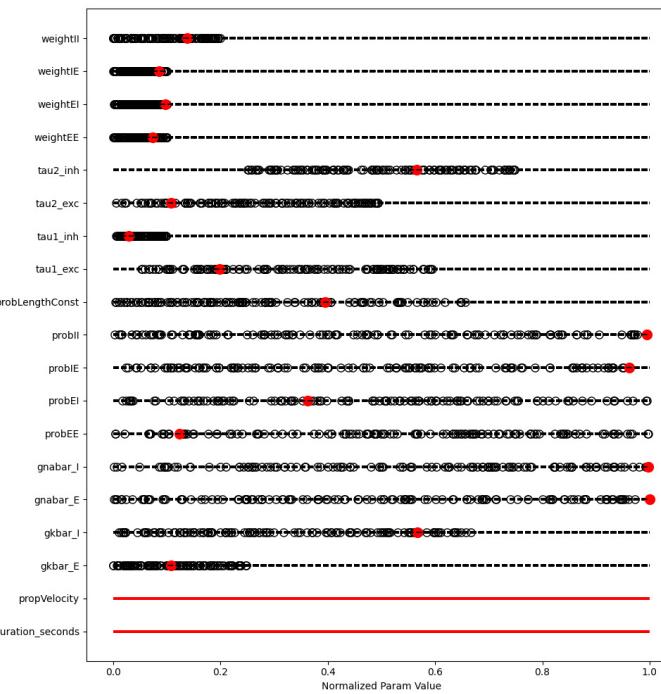
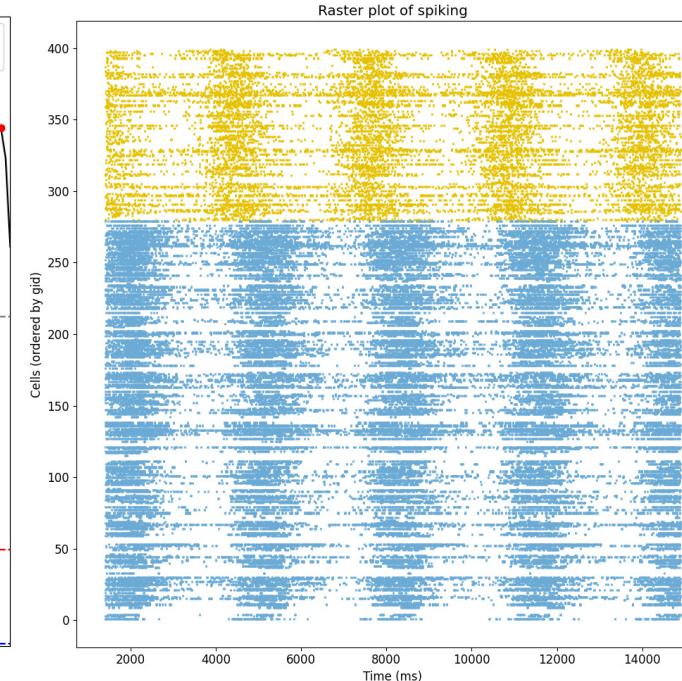
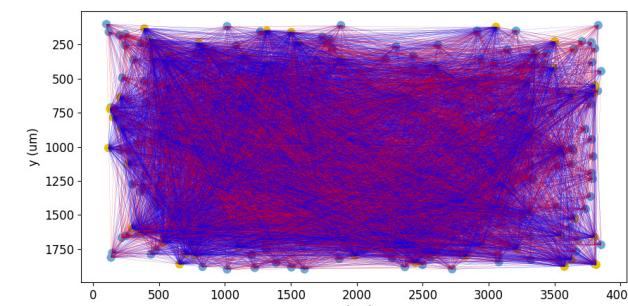


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_8_data.json
SimLabel	gen_0_cand_8
Generation Rank	12/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

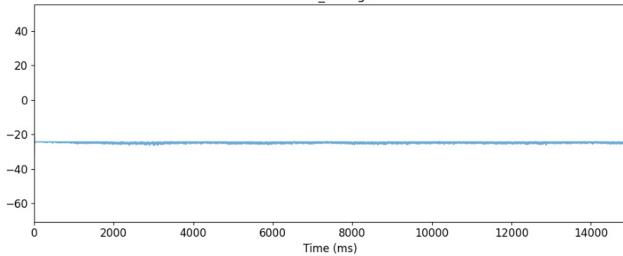
Metric	Value
BigBurstVal_Fitness	{'Value': 8064.011016475126, 'Fit': 1000.0}
numBig_Fitness	{'Value': 5, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.33557046979865773, 'Fit': 1.2450887760453309}
IBI_fitness	{'Value': 3.1500000000000004, 'Fit': 1.0000509614935043}
baseline_fitness	{'Value': 4433.057395245877, 'Fit': 1000}
slopeFitness	{'Value': -3.731741777975032, 'Fit': 41.85617306861315}
thresh	{'Value': 4885.188084639057, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 90.06622516556291, 'Fit': 2.308982974937318}
E_rate_fitness	{'Value': 2.4563492063492065, 'Fit': 4.850018598329761}
I_rate_fitness	{'Value': 15.435185185185185, 'Fit': 1000}
maxFitness	1000
average_fitness	587.605064419405
average_scaled_fitness	0.5871920460923988

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



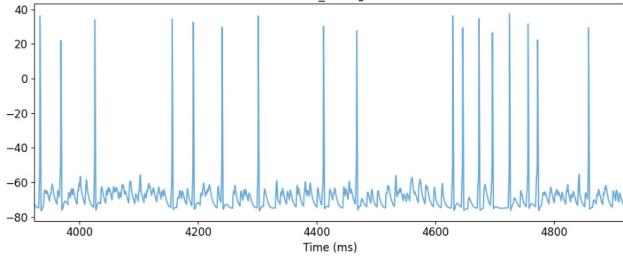
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

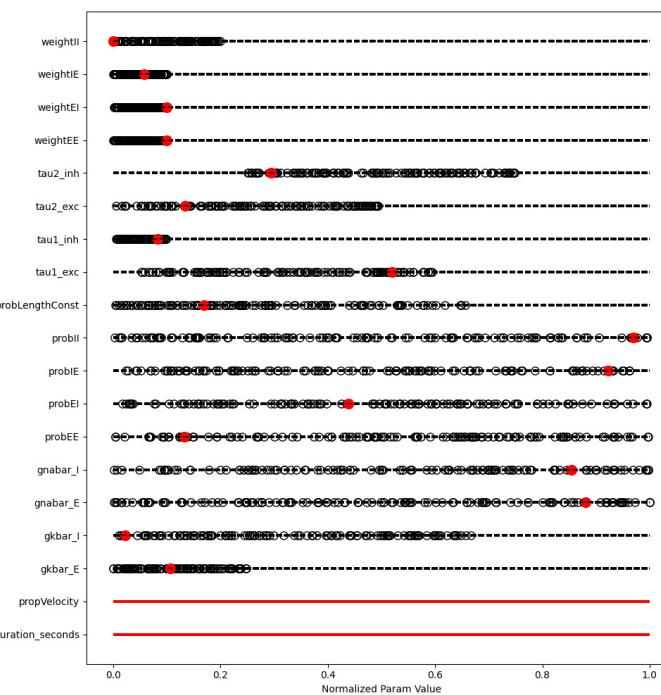
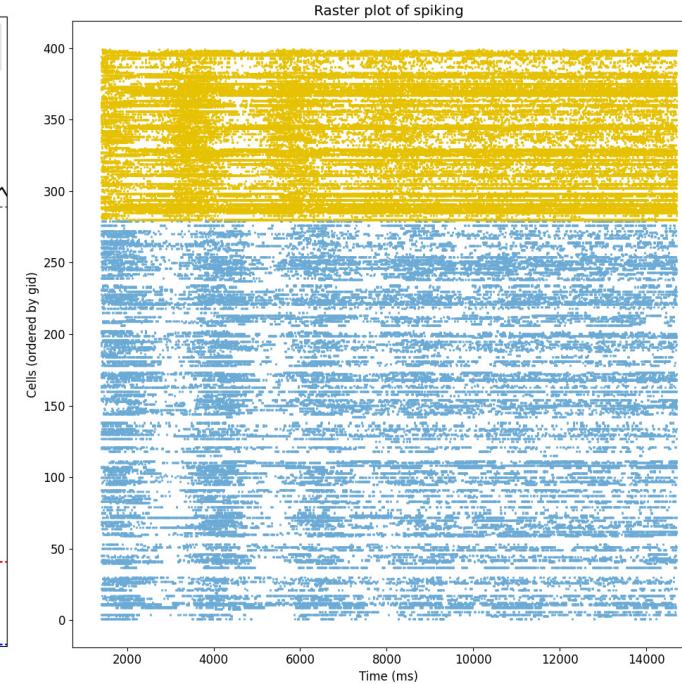
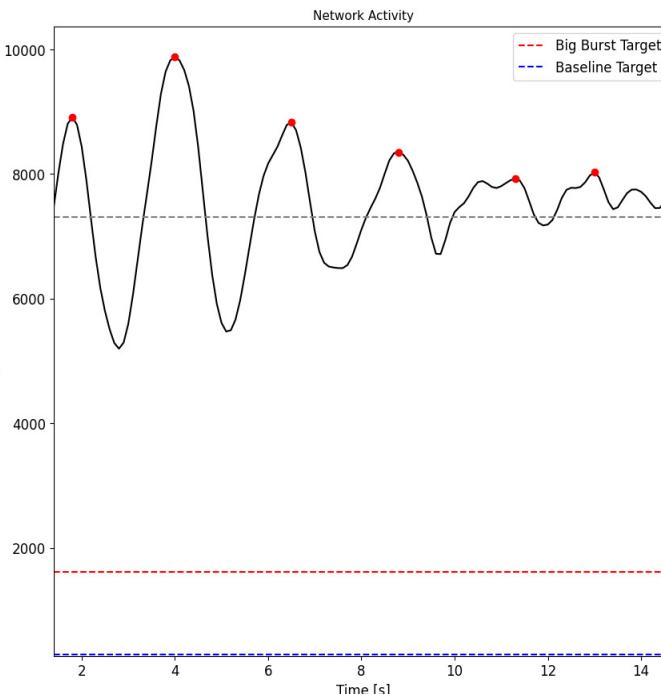


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_9_data.json
SimLabel	gen_0_cand_9
Generation Rank	4/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

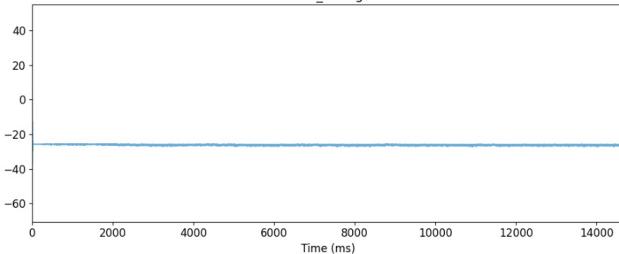
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224, 'Fit': 1.3388347270312633}
IBI_fitness	{'Value': 2.2399999999999998, 'Fit': 1.0005918646855756}
baseline_fitness	{'Value': 7538.928499702213, 'Fit': 1000}
slopeFitness	{'Value': 1.4488921866394986, 'Fit': 4.247772270785199}
thresh	{'Value': 7314.209214562259, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.74172185430463, 'Fit': 8.682508357938584}
E_rate_fitness	{'Value': 1.6666666666666665, 'Fit': 2.2018545883903475}
I_rate_fitness	{'Value': 23.324074074074073, 'Fit': 1000}
maxFitness	1000
average_fitness	584.7892968174026
average_scaled_fitness	0.5843734242469569

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



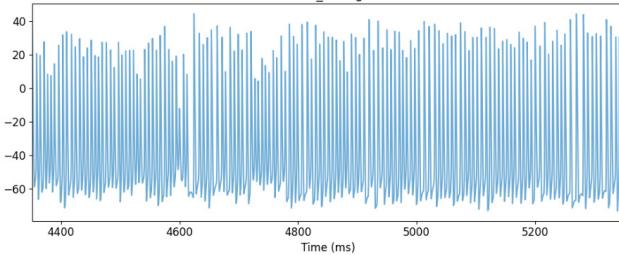
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

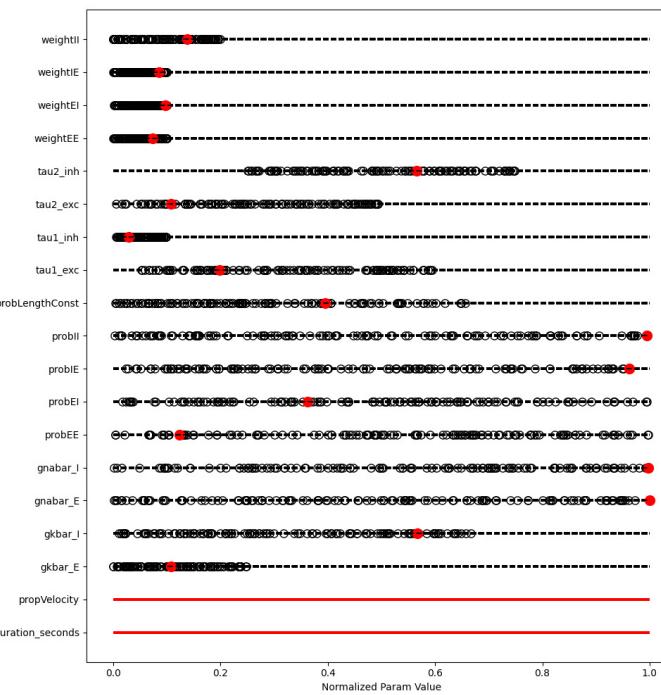
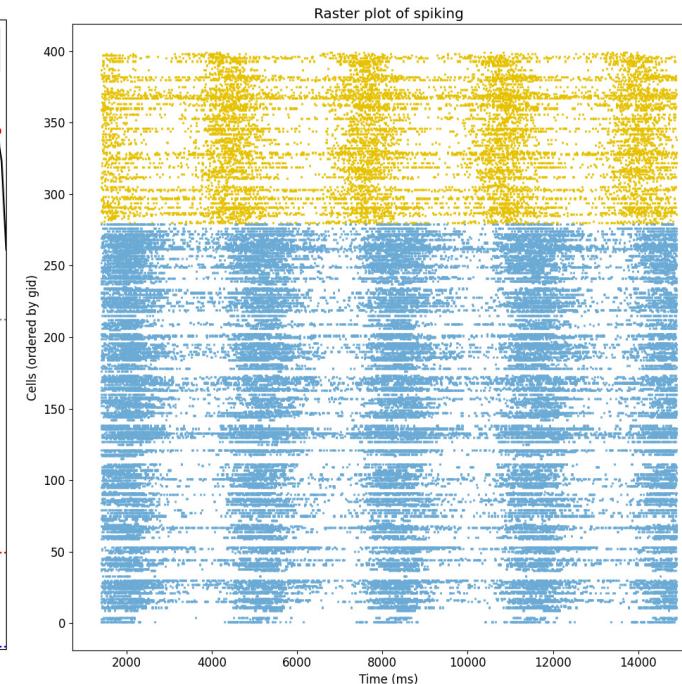
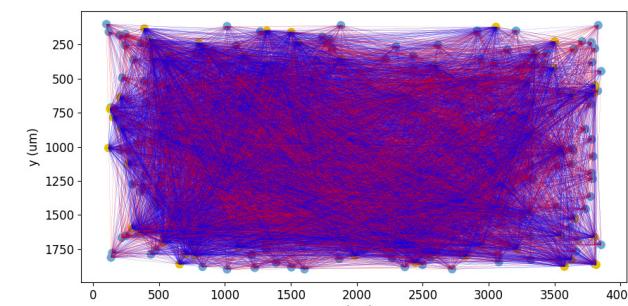


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_10_data.json
SimLabel	gen_0_cand_10
Generation Rank	11/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

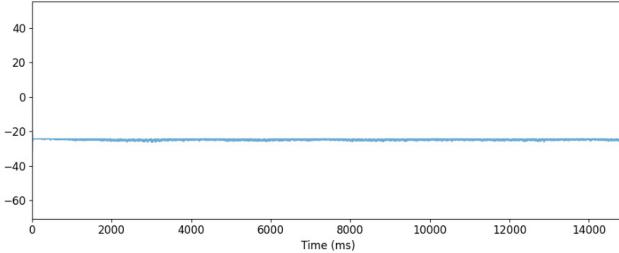
Metric	Value
BigBurstVal_Fitness	{'Value': 8064.011016475126, 'Fit': 1000.0}
numBig_Fitness	{'Value': 5, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.33557046979865773, 'Fit': 1.2450887760453309}
IBI_fitness	{'Value': 3.1500000000000004, 'Fit': 1.0000509614935043}
baseline_fitness	{'Value': 4433.057395245877, 'Fit': 1000}
slopeFitness	{'Value': -3.731741777975032, 'Fit': 41.85617306861315}
thresh	{'Value': 4885.188084639057, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 90.06622516556291, 'Fit': 2.308982974937318}
E_rate_fitness	{'Value': 2.4563492063492065, 'Fit': 4.850018598329761}
I_rate_fitness	{'Value': 15.435185185185185, 'Fit': 1000}
maxFitness	1000
average_fitness	587.605064419405
average_scaled_fitness	0.5871920460923988

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



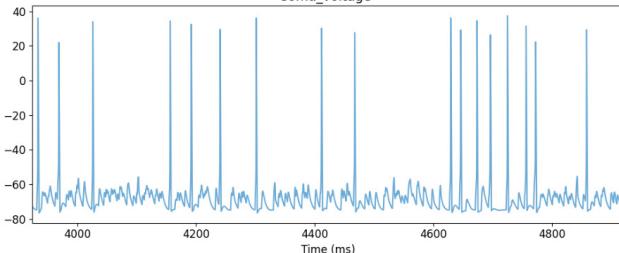
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

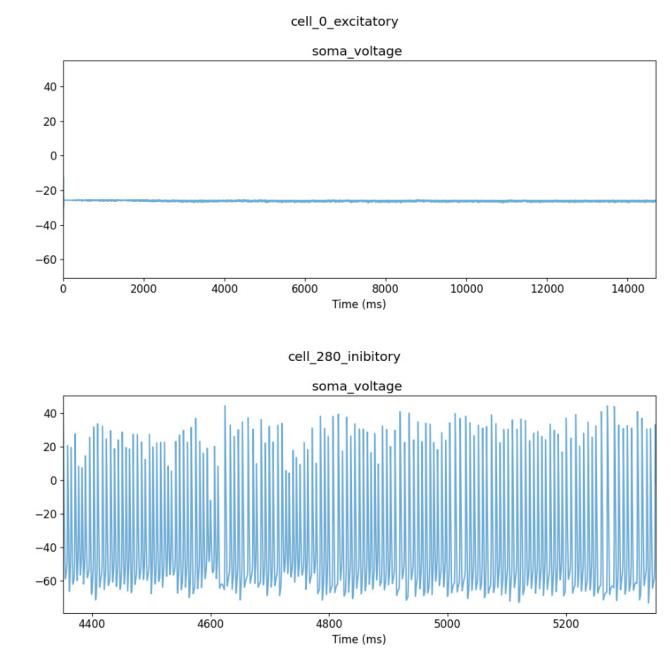
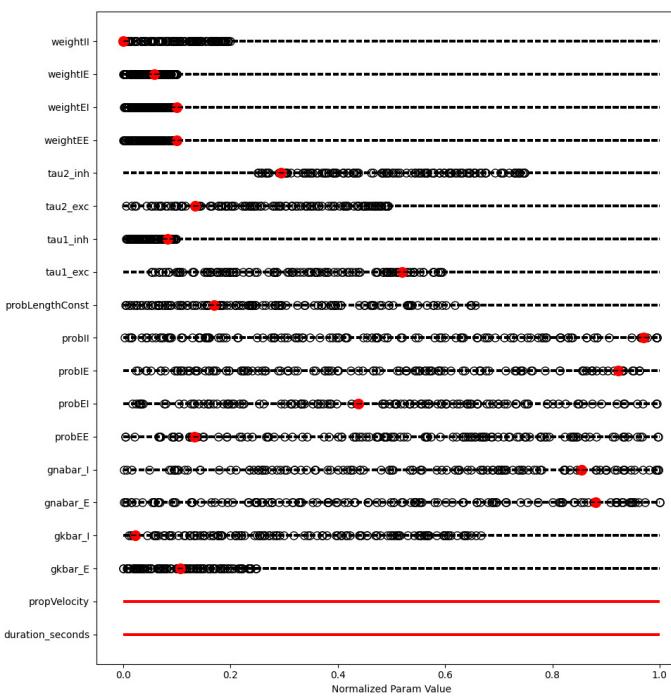
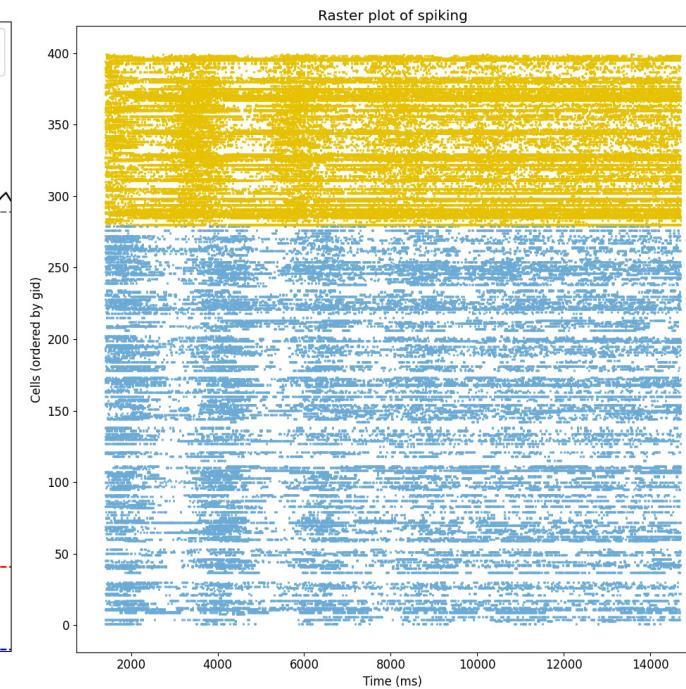
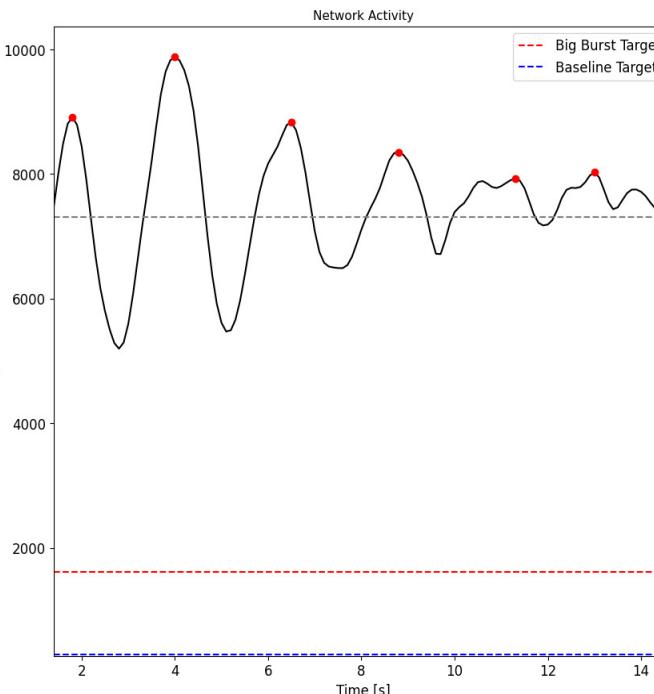


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_11/data.json
SimLabel	gen_0_cand_11
Generation Rank	3/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osci	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224, 'Fit': 1.3388347270312633}
IBI_fitness	{'Value': 2.2399999999999998, 'Fit': 1.0005918646855756}
baseline_fitness	{'Value': 7538.928499702213, 'Fit': 1000}
slopeFitness	{'Value': 1.4488921866394986, 'Fit': 4.247772270785199}
thresh	{'Value': 7314.209214562259, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.74172185430463, 'Fit': 8.682508357938584}
E_rate_fitness	{'Value': 1.6666666666666665, 'Fit': 2.2018545883903475}
I_rate_fitness	{'Value': 23.324074074074073, 'Fit': 1000}
maxFitness	1000
average_fitness	584.7892968174026
average_scaled_fitness	0.5843734242469569

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

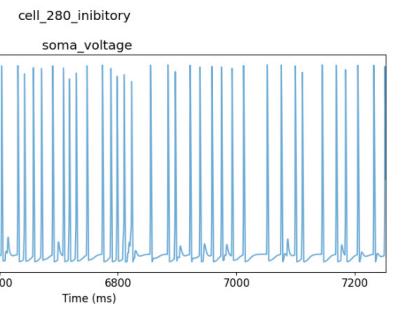
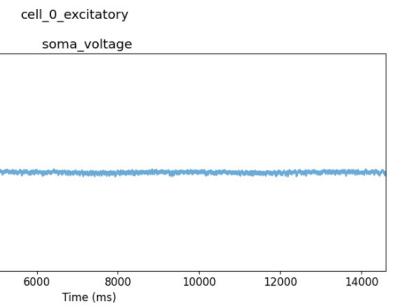
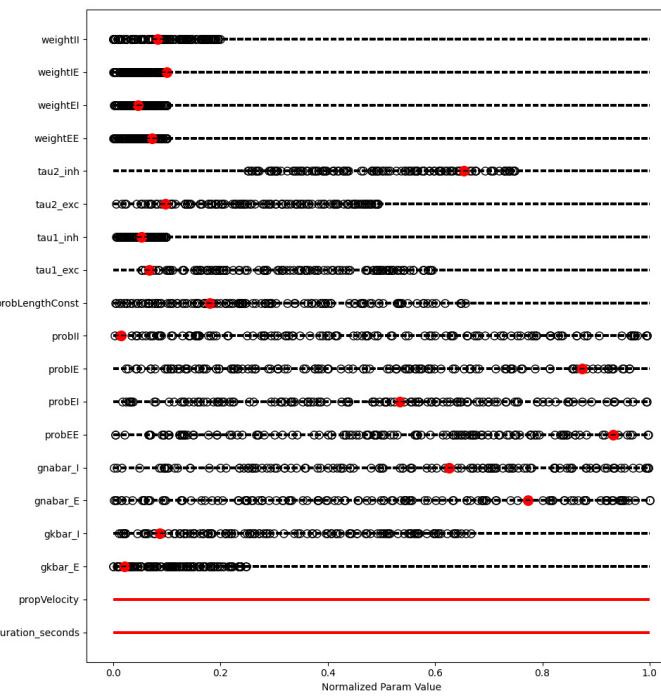
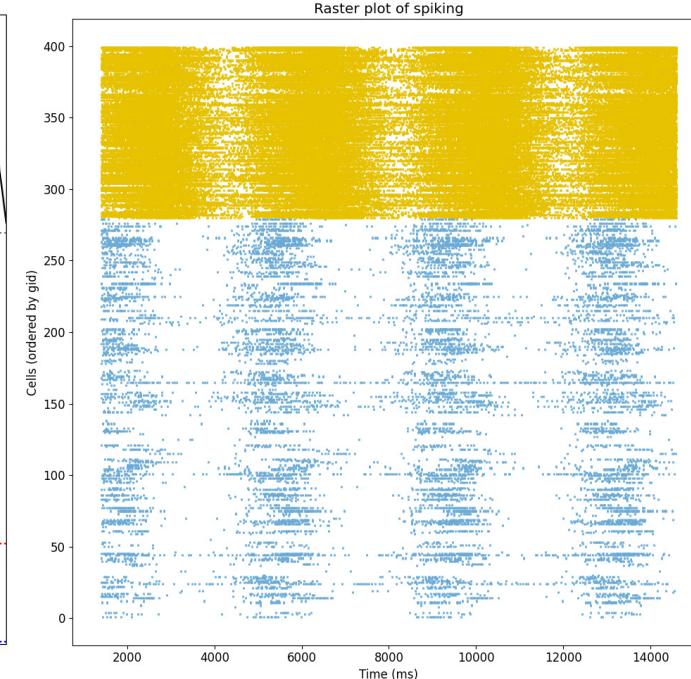
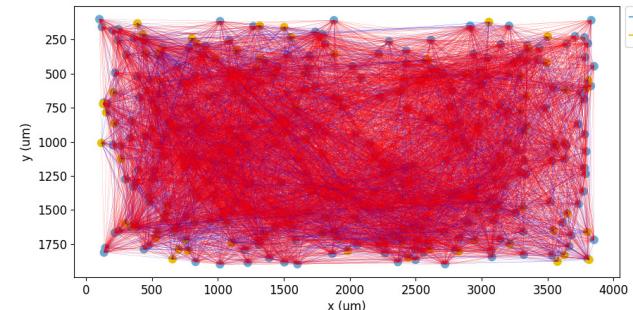


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_12_data.json
SimLabel	gen_0_cand_12
Generation Rank	7/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 8228.53813780273, 'Fit': 1000.0}
numBig_Fitness	{'Value': 4, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.273972602739726, 'Fit': 1.1707083188746092}
IBI_fitness	{'Value': 3.733333333333334, 'Fit': 1.0004568945314503}
baseline_fitness	{'Value': 5574.259460854539, 'Fit': 1000}
slopeFitness	{'Value': 0.8661117997383281, 'Fit': 2.371717288429145}
thresh	{'Value': 5785.859804154616, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.0794701986755, 'Fit': 16.83671845754203}
E_rate_fitness	{'Value': 0.8849206349206349, 'Fit': 1.0075825714157556}
I_rate_fitness	{'Value': 18.416666666666664, 'Fit': 1000}
maxFitness	1000
average_fitness	585.1989319608994
average_scaled_fitness	0.5847835257765395

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

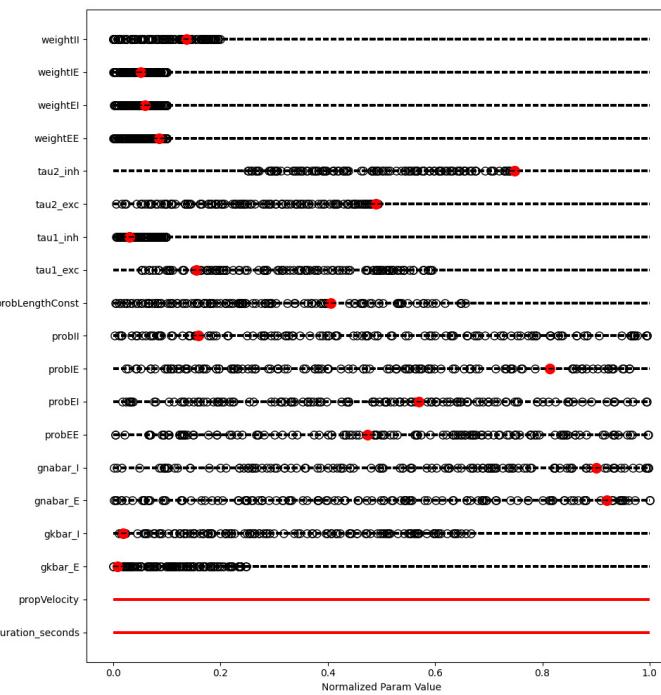
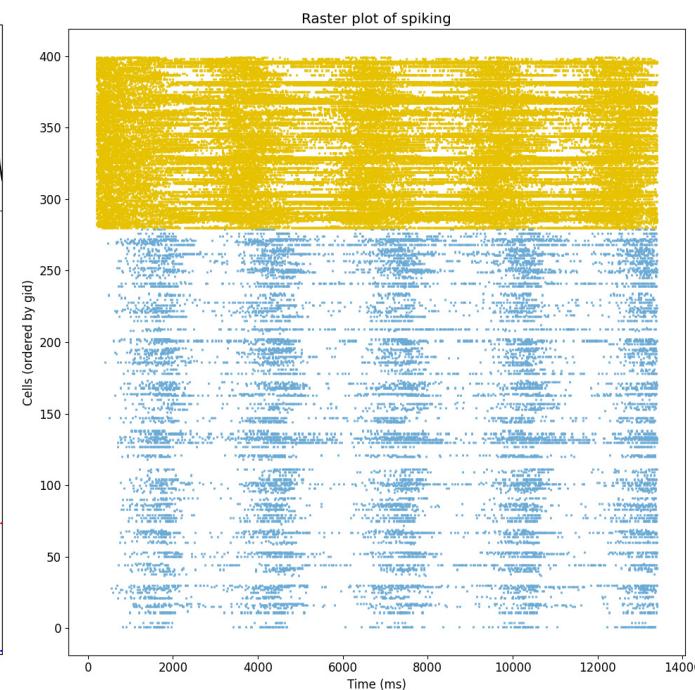
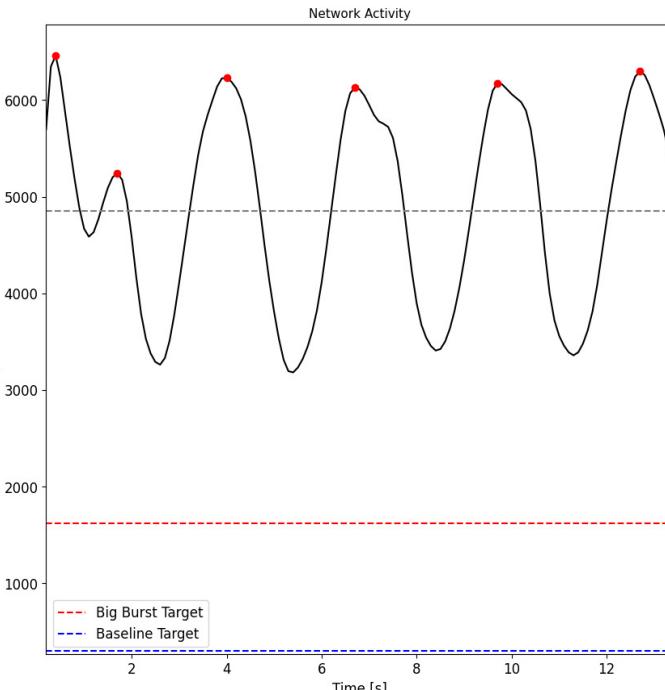


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_13_data.json
SimLabel	gen_0_cand_13
Generation Rank	9/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

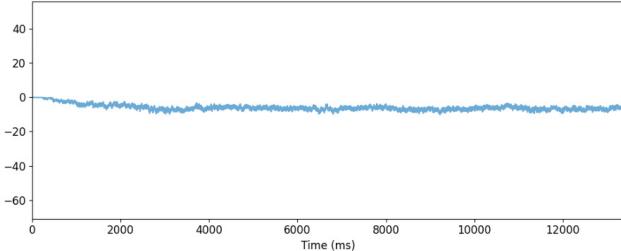
Metric	Value
BigBurstVal_Fitness	{'Value': 6090.046349287401, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.44776119402985076, 'Fit': 1.3929134456650312}
IBI_fitness	{'Value': 2.46, 'Fit': 1.0005719808787474}
baseline_fitness	{'Value': 4885.847624181666, 'Fit': 1000}
slopeFitness	{'Value': 1.2362045253184273, 'Fit': 3.433935613564014}
thresh	{'Value': 4849.225520041158, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.0794701986755, 'Fit': 16.83671845754203}
E_rate_fitness	{'Value': 0.5793650793650794, 'Fit': 1.3471639262782007}
I_rate_fitness	{'Value': 47.78703703703704, 'Fit': 1000}
maxFitness	1000
average_fitness	585.3342752853273
average_scaled_fitness	0.5849189568237313

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



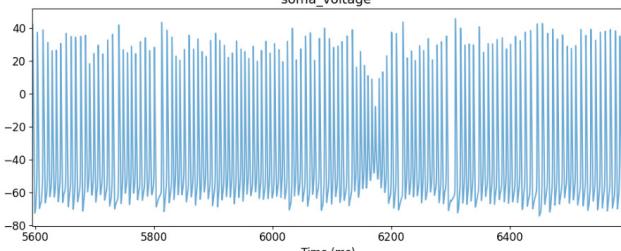
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

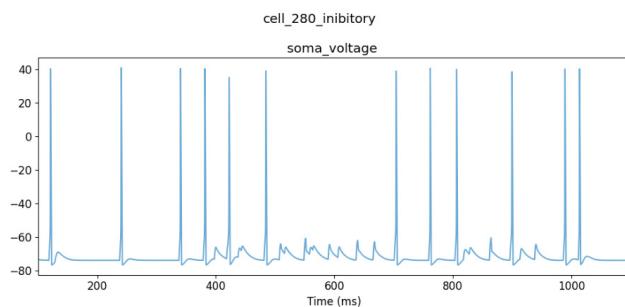
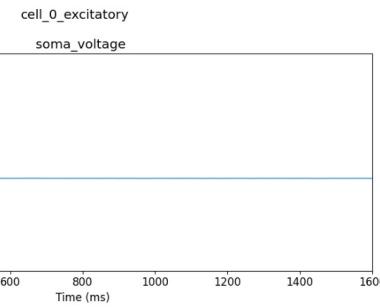
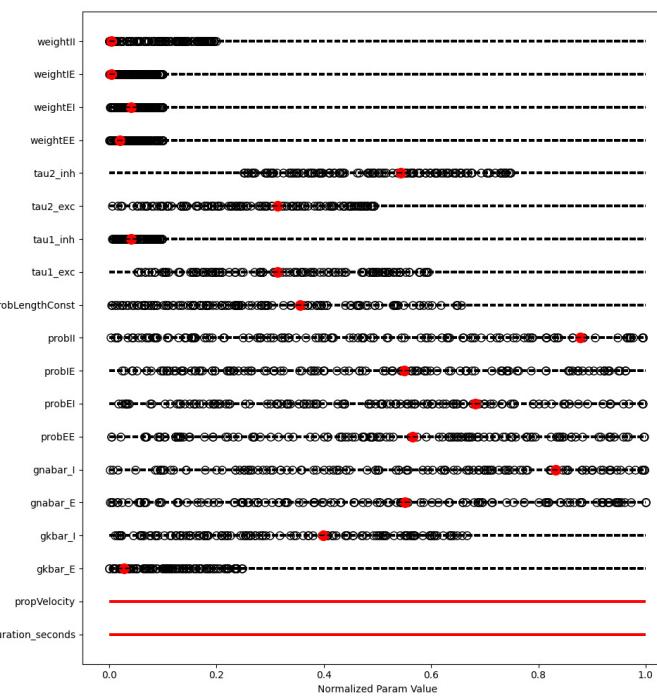
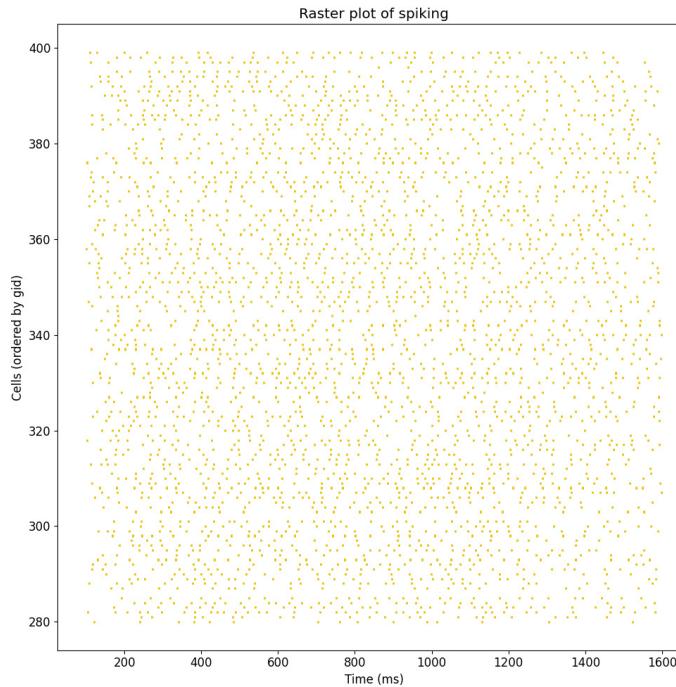
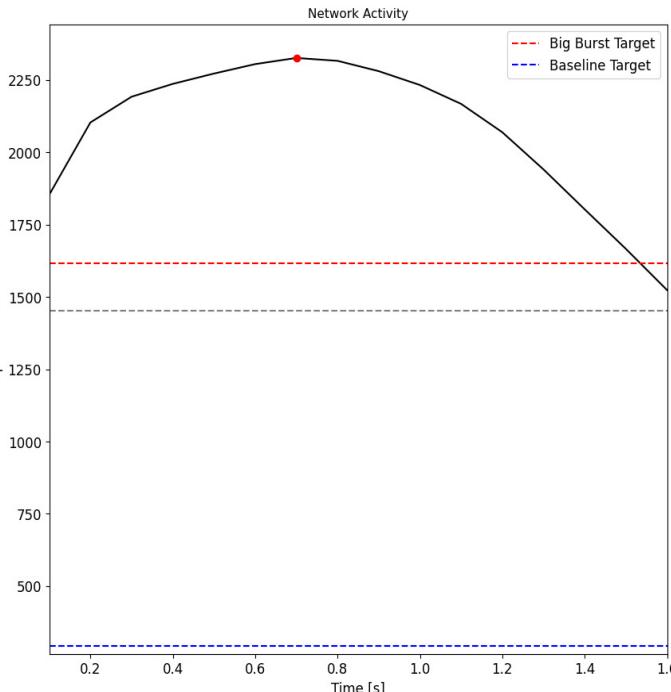


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_18_data.json
SimLabel	gen_0_cand_18
Generation Rank	24/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 2325.9080881472223, 'Fit': 1000.0}
numBig_Fitness	{'Value': 1, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.625, 'Fit': 1.6630218909208074}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 2080.1621907325807, 'Fit': 1000}
slopeFitness	{'Value': -29.396302299052643, 'Fit': 1000}
thresh	{'Value': 1452.170192241239, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 42.10526315789473, 'Fit': 1000}
E_rate_fitness	{'Value': 0.0, 'Fit': 1000}
I_rate_fitness	{'Value': 18.47222222222222, 'Fit': 1000}
maxFitness	1000
average_fitness	916.8052518242434
average_scaled_fitness	0.9166666666666666

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

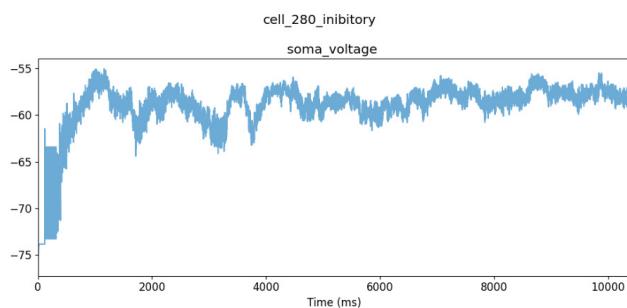
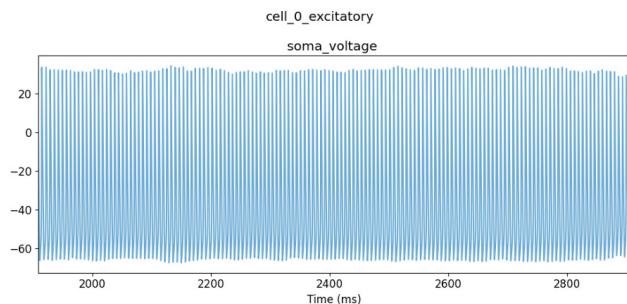
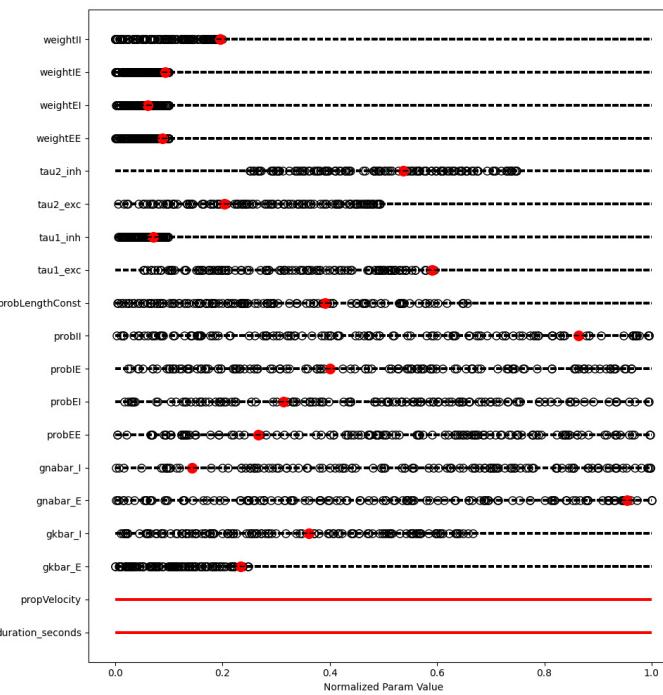
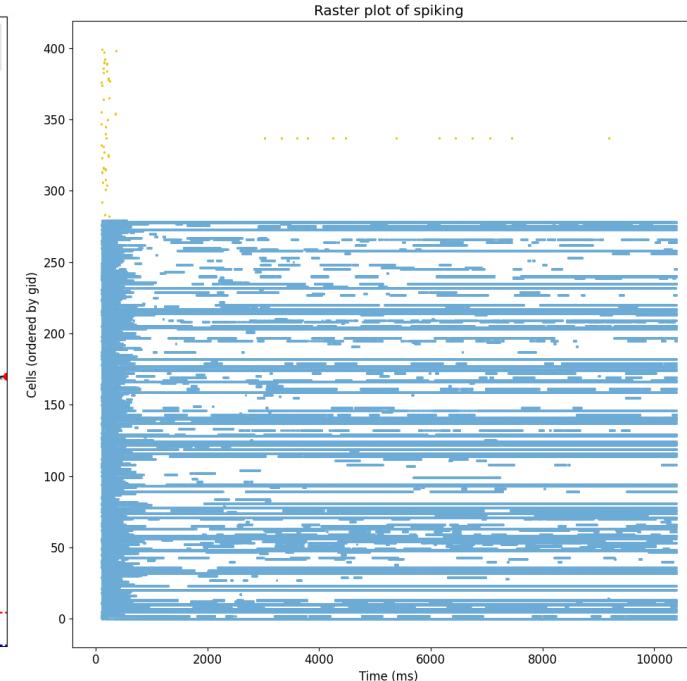
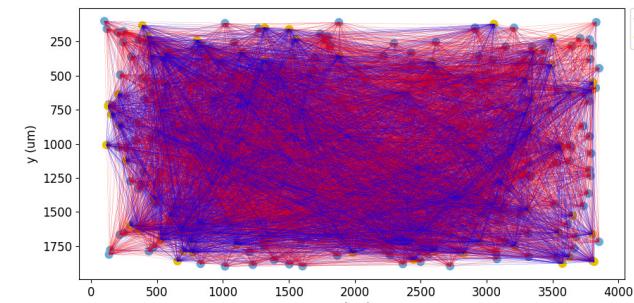


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_21/data.json
SimLabel	gen_0_cand_21
Generation Rank	19/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 15808.927390689636, 'Fit': 1000.0}
numBig_Fitness	{'Value': 3, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.28846153846153844, 'Fit': 1.1877941150574347}
IBI_fitness	{'Value': 5.0, 'Fit': 1.0003424303098445}
baseline_fitness	{'Value': 11084.347345322933, 'Fit': 1000}
slopeFitness	{'Value': -27.73004366914692, 'Fit': 1000}
thresh	{'Value': 11098.798987296143, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 68.87417218543047, 'Fit': 1000}
E_rate_fitness	{'Value': 67.3531746031746, 'Fit': 1000}
I_rate_fitness	{'Value': 0.3611111111111111, 'Fit': 1000}
maxFitness	1000
average_fitness	833.5156780454472
average_scaled_fitness	0.8333489699490325

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

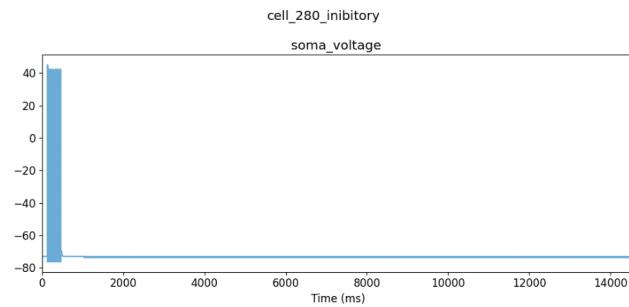
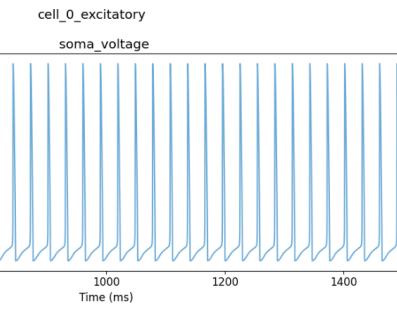
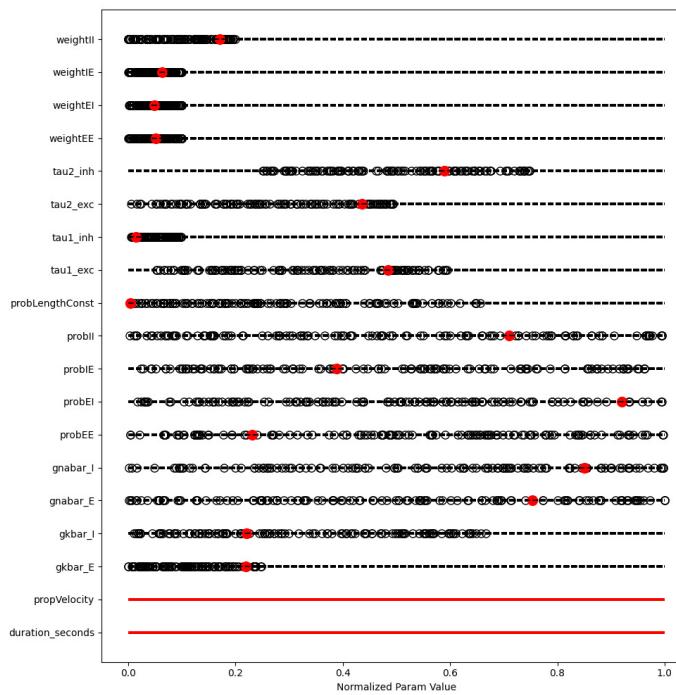
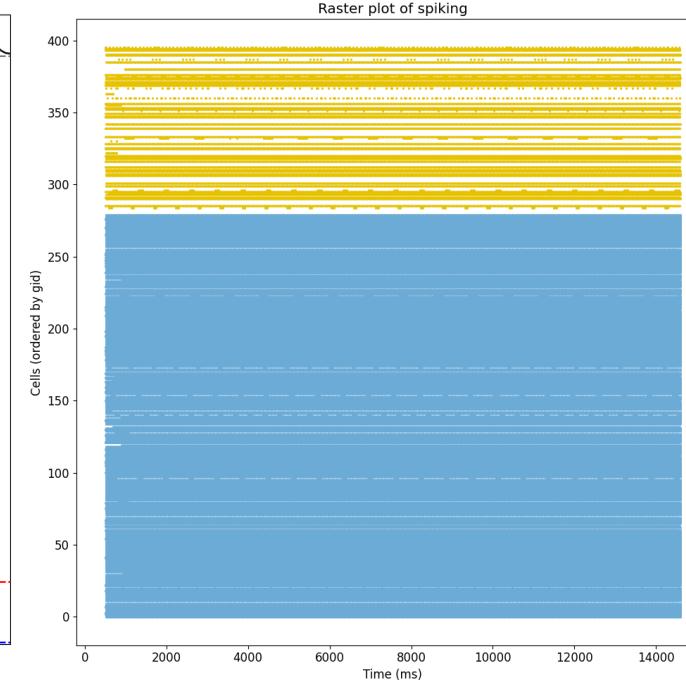
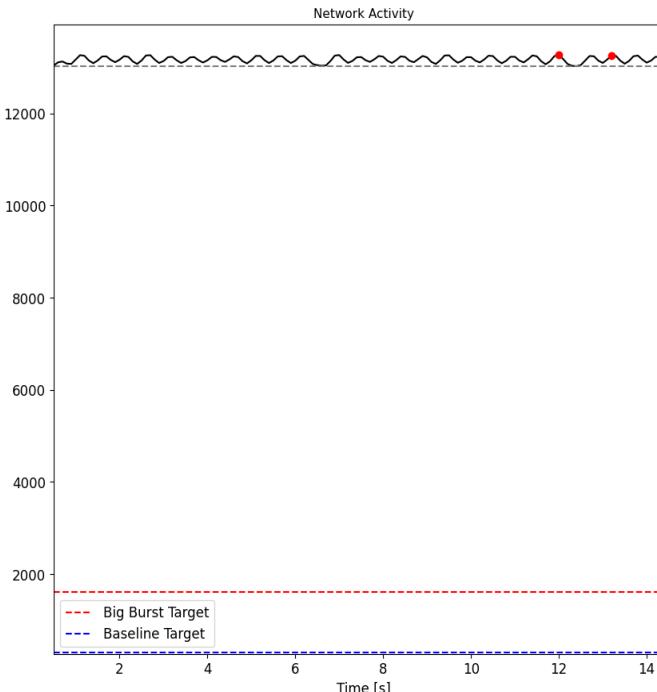


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_24_data.json
SimLabel	gen_0_cand_24
Generation Rank	16/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 13266.52029149254, 'Fit': 1000.0}
numBig_Fitness	{'Value': 2, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.136986301369863, 'Fit': 1.020836781513554}
IBI_fitness	{'Value': 1.2000000000000001, 'Fit': 1.0006858719590466}
baseline_fitness	{'Value': 13166.190808417075, 'Fit': 1000}
slopeFitness	{'Value': 0.009681981229826732, 'Fit': 1.007210338732178}
thresh	{'Value': 13031.752659598085, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 94.03973509933775, 'Fit': 23.027813703428244}
E_rate_fitness	{'Value': 41.92460317460317, 'Fit': 1000}
I_rate_fitness	{'Value': 12.453703703703704, 'Fit': 1000}
maxFitness	1000
average_fitness	668.8380455579694
average_scaled_fitness	0.668506324520273

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

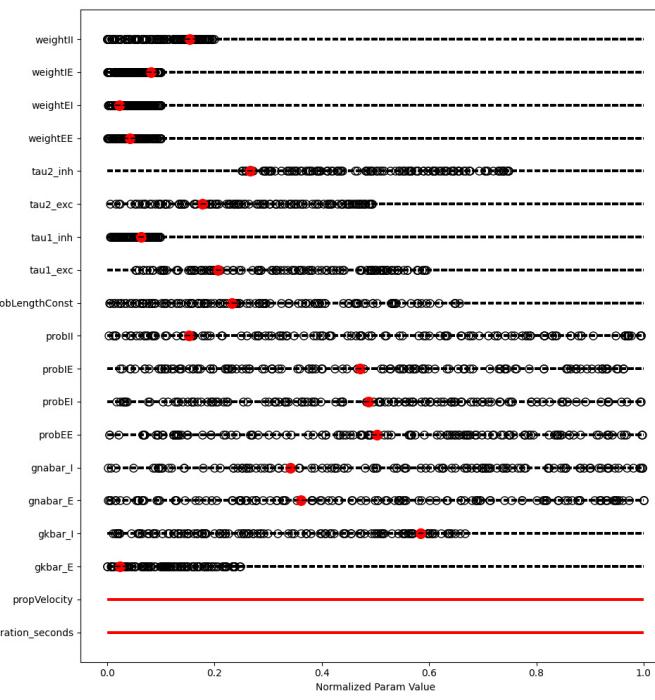
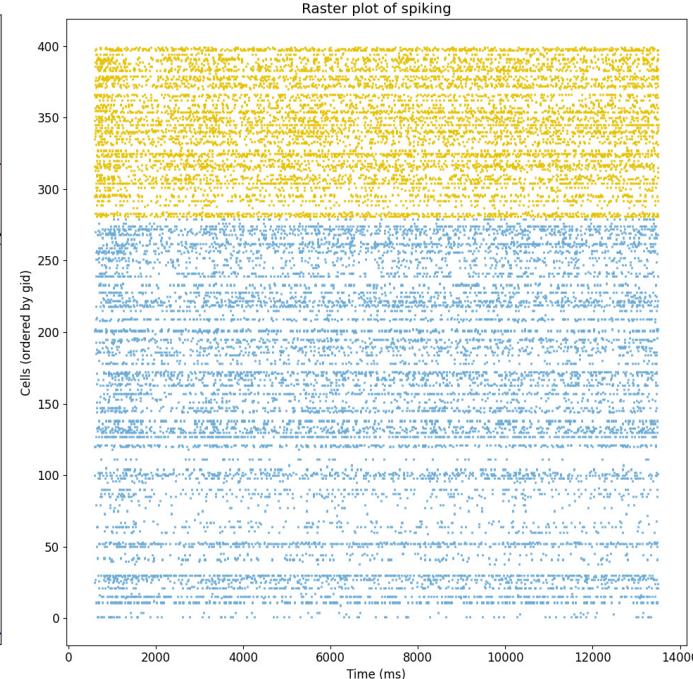
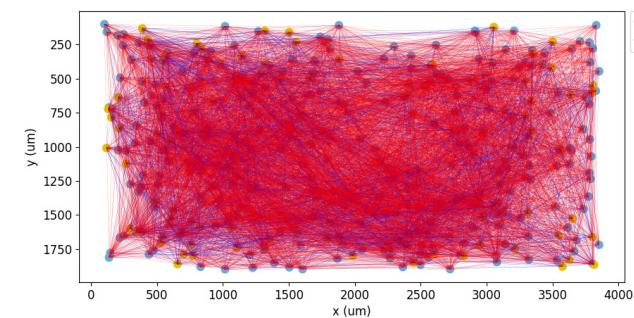


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_27_data.json
SimLabel	gen_0_cand_27
Generation Rank	0/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

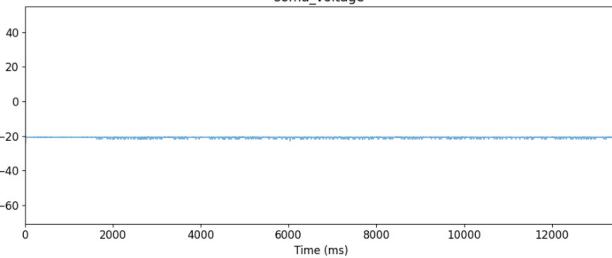
Metric	Value
BigBurstVal_Fitness	{'Value': 1528.0850003153041, 'Fit': 1.0004836825374213}
numBig_Fitness	{'Value': 8, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.5925925925925926, 'Fit': 1.6099915913664193}
IBI_fitness	{'Value': 1.7428571428571427, 'Fit': 1.00006368020022887}
baseline_fitness	{'Value': 1405.0137722922161, 'Fit': 1000}
slopeFitness	{'Value': -0.8371824362914304, 'Fit': 2.3156257398381146}
thresh	{'Value': 1391.192353220222, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 86.09271523178808, 'Fit': 122.77054075127252}
E_rate_fitness	{'Value': 1.6825396825396823, 'Fit': 2.23708351622195}
I_rate_fitness	{'Value': 7.444444444444445, 'Fit': 15.394023168484953}
maxFitness	1000
average_fitness	428.86069877097685
average_scaled_fitness	0.42828871095516513

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



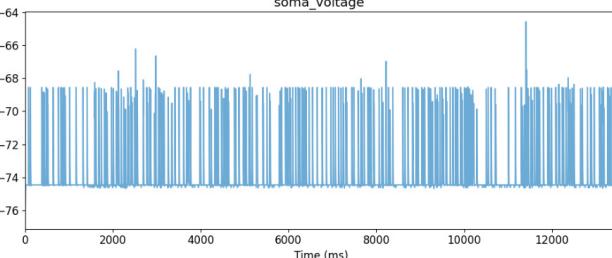
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

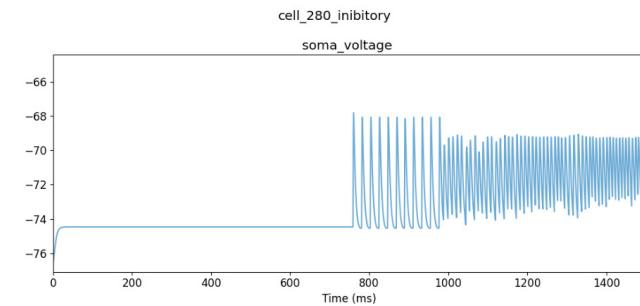
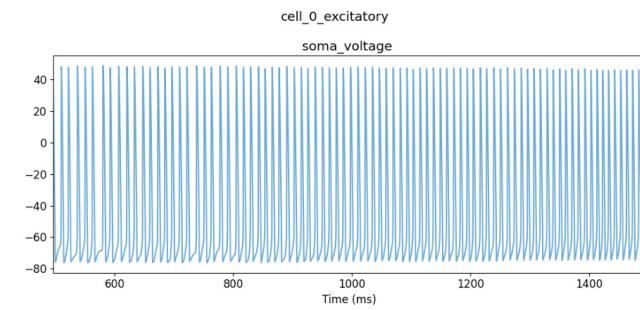
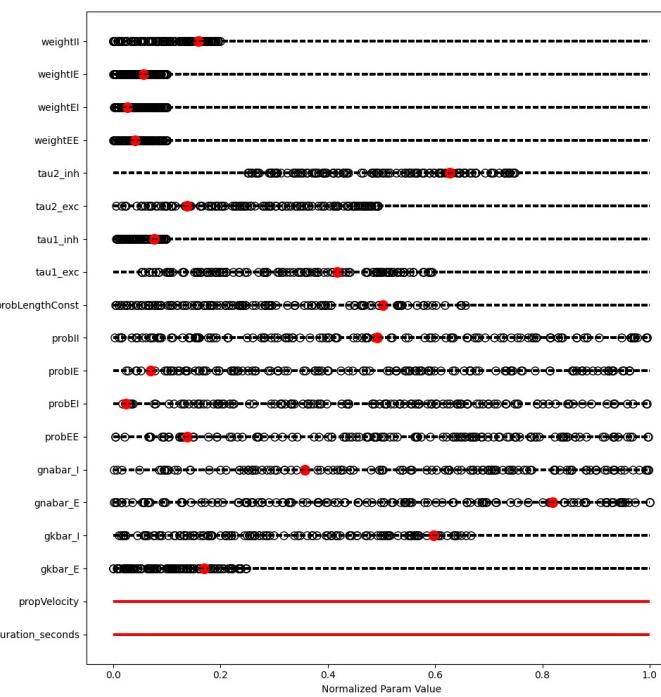
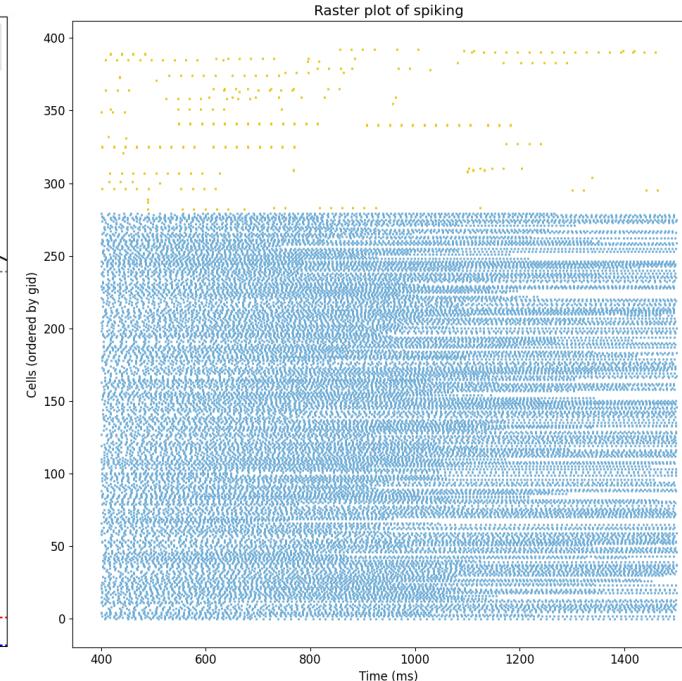
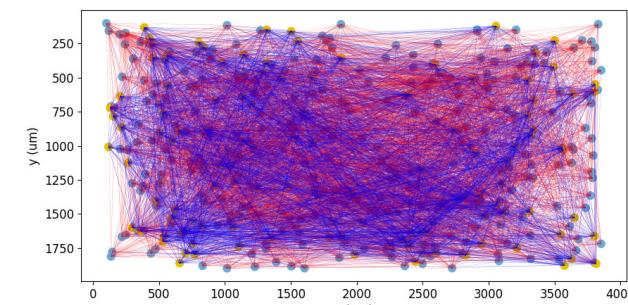


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_28_data.json
SimLabel	gen_0_cand_28
Generation Rank	22/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osci	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 28636.570058128207, 'Fit': 1000.0}
numBig_Fitness	{'Value': 1, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.6666666666666666, 'Fit': 1.733778325642695}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 24178.266497463836, 'Fit': 1000}
slopeFitness	{'Value': -414.9516242608858, 'Fit': 1000}
thresh	{'Value': 17978.88405473076, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 7.9470198675496695, 'Fit': 1000}
E_rate_fitness	{'Value': 83.25396825396825, 'Fit': 1000}
I_rate_fitness	{'Value': 2.6574074074074074, 'Fit': 7.791689436957144}
maxFitness	1000
average_fitness	834.12712231355
average_scaled_fitness	0.8338390360356608

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

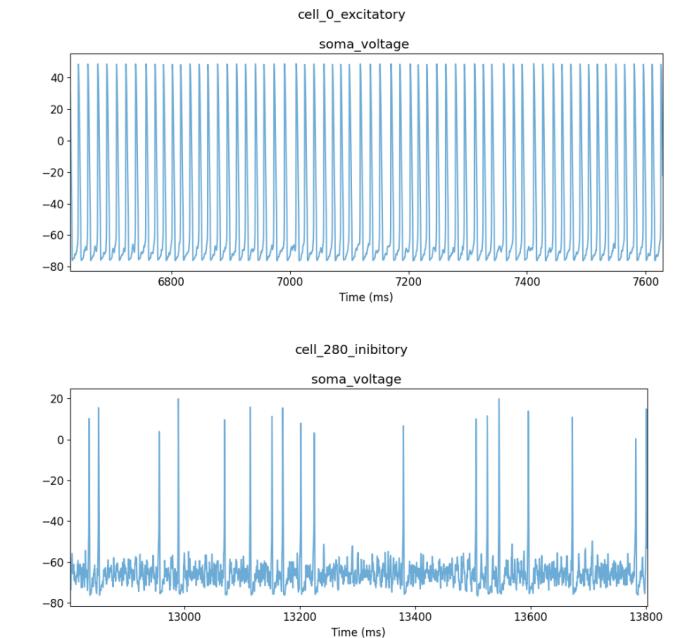
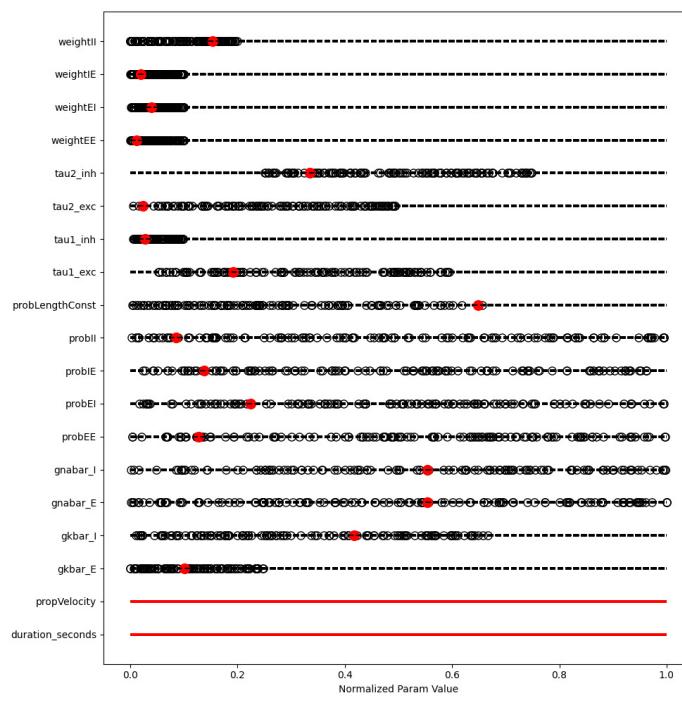
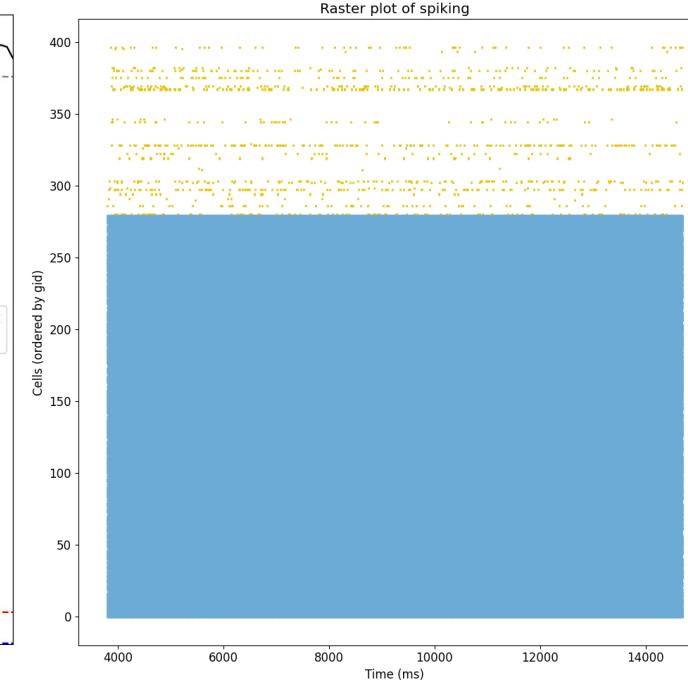
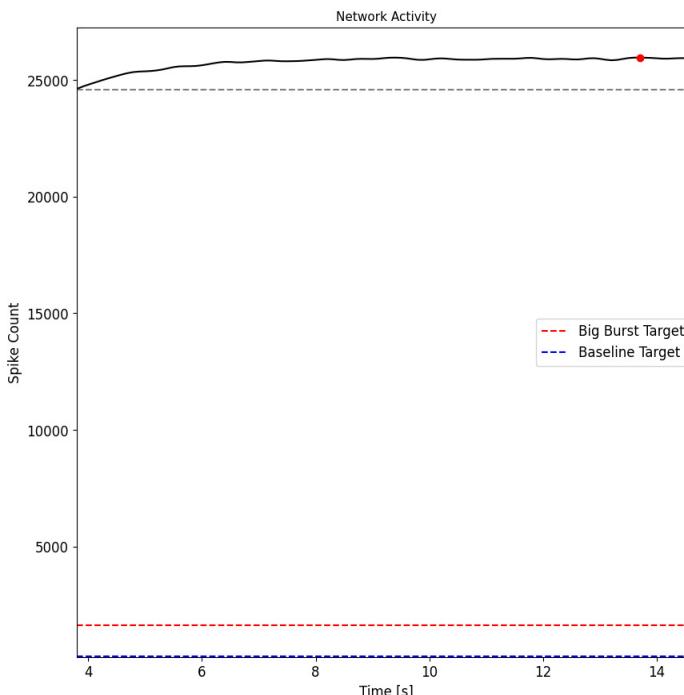
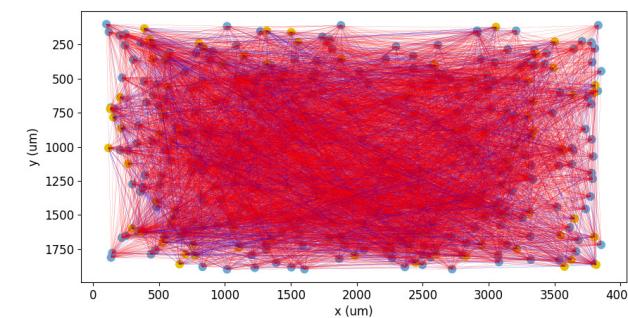


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_51/data.json
SimLabel	gen_0_cand_51
Generation Rank	23/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osci	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 25961.183305436054, 'Fit': 1000.0}
numBig_Fitness	{'Value': 1, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.06802721088435373, 'Fit': 1.0495236824453669}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 25747.355260710643, 'Fit': 1000}
slopeFitness	{'Value': 6.480633763647772, 'Fit': 650.7569676592143}
thresh	{'Value': 24589.806067898095, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 72.84768211920529, 'Fit': 1000}
E_rate_fitness	{'Value': 49.76190476190476, 'Fit': 1000}
I_rate_fitness	{'Value': 39.24074074074074, 'Fit': 1000}
maxFitness	1000
average_fitness	887.6505409451383
average_scaled_fitness	0.8875325036442075

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

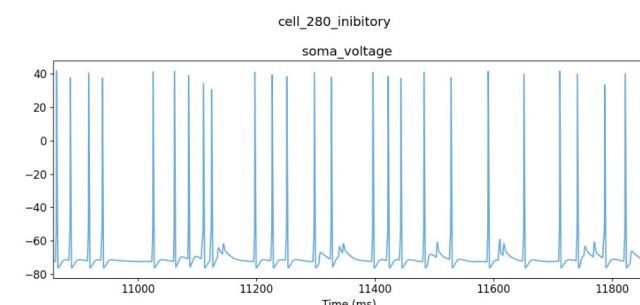
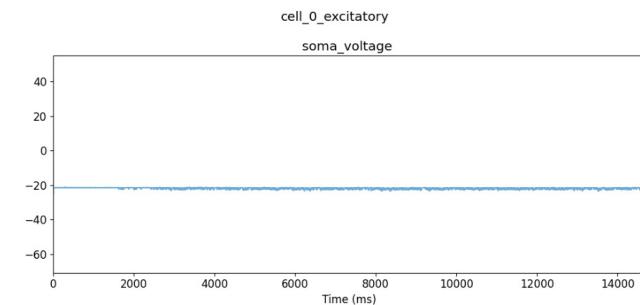
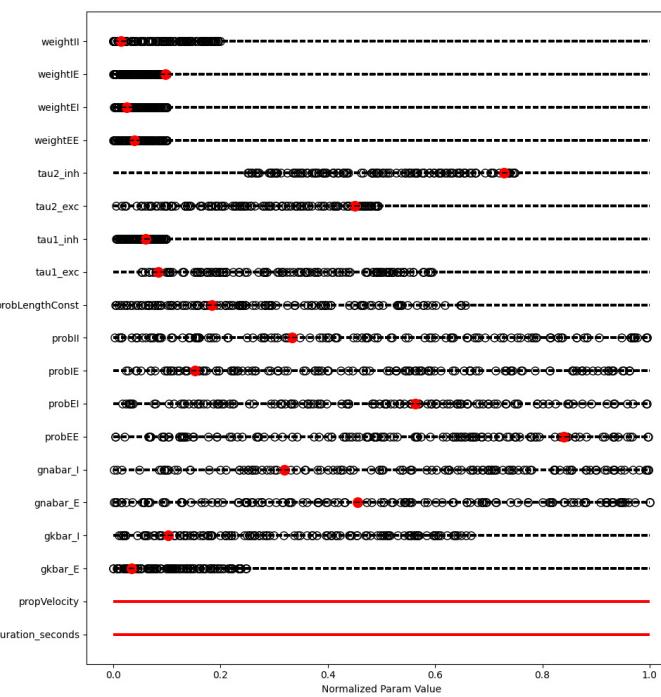
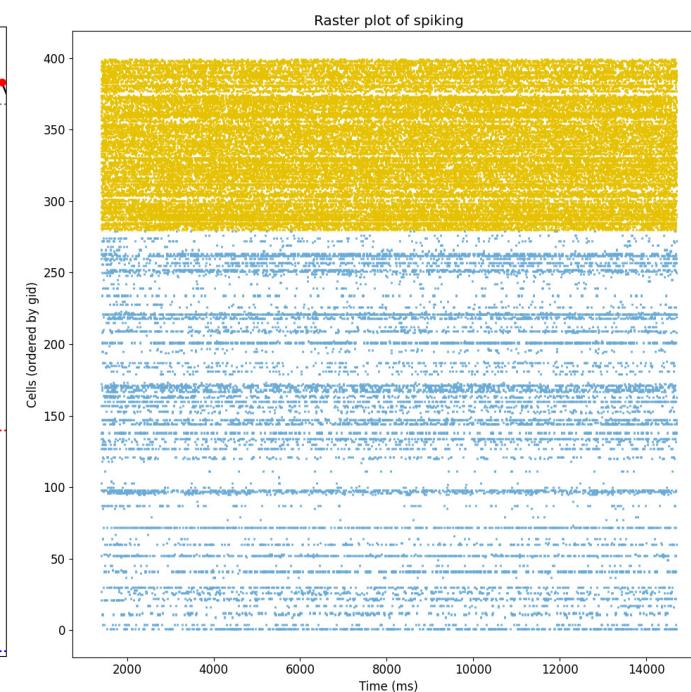
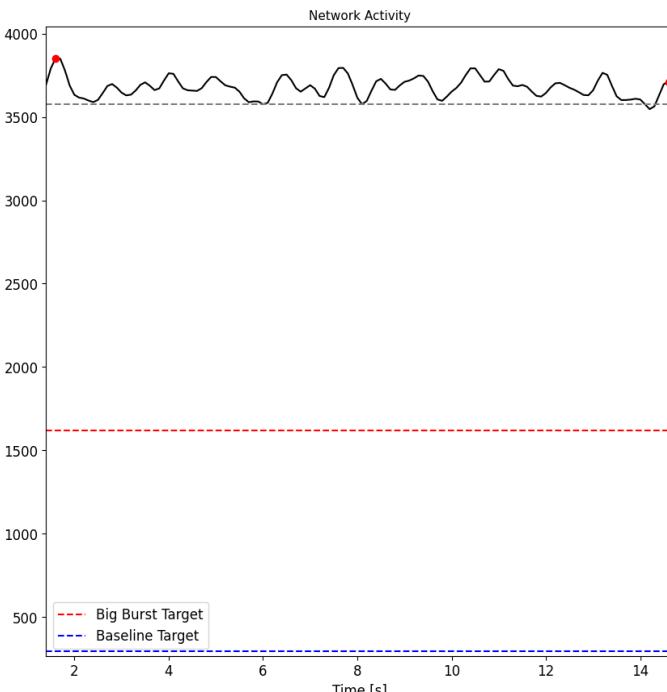


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_61/data.json
SimLabel	gen_0_cand_61
Generation Rank	1/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_oscி	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 3782.223614951108, 'Fit': 1000.0}
numBig_Fitness	{'Value': 2, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.13605442176870747, 'Fit': 1.0198859276502217}
IBI_fitness	{'Value': 13.000000000000002, 'Fit': 1.000380379462332}
baseline_fitness	{'Value': 3679.936482267816, 'Fit': 1000}
slopeFitness	{'Value': -0.18957050991380392, 'Fit': 1.2117529407748389}
thresh	{'Value': 3575.625839909676, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.74172185430463, 'Fit': 8.682508357938584}
E_rate_fitness	{'Value': 0.8650793650793651, 'Fit': 1.0123631006482163}
I_rate_fitness	{'Value': 17.39814814814815, 'Fit': 1000}
maxFitness	1000
average_fitness	584.4105742255396
average_scaled_fitness	0.583994410395953

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

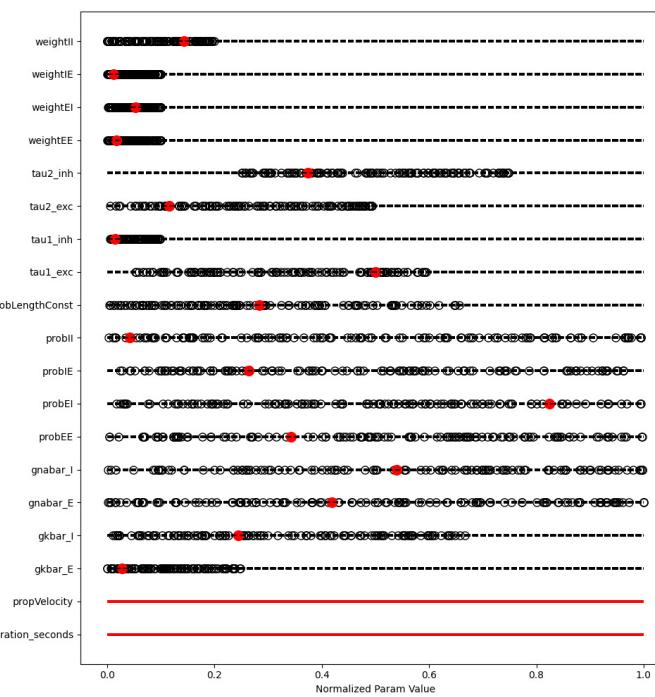
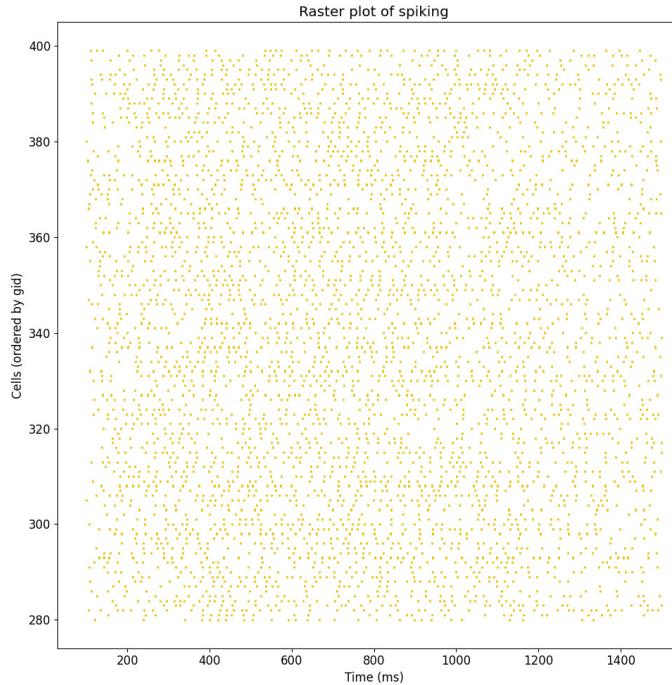
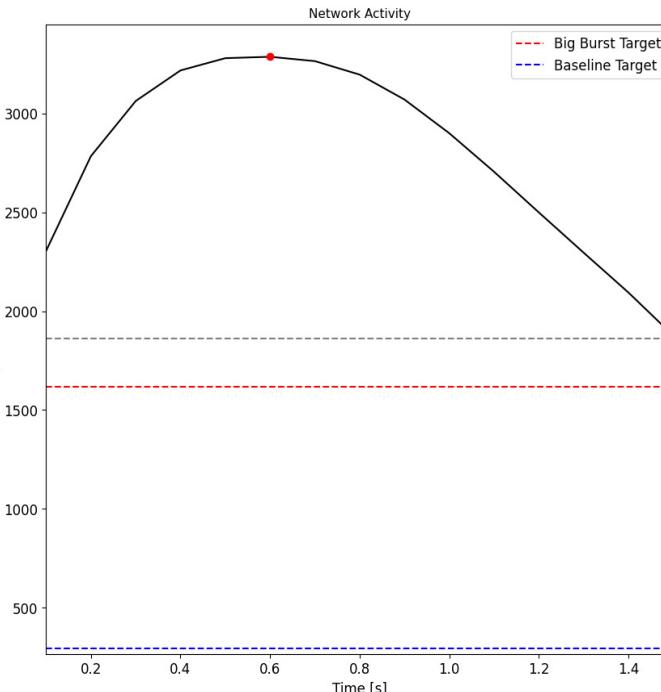


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_66_data.json
SimLabel	gen_0_cand_66
Generation Rank	25/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osci	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

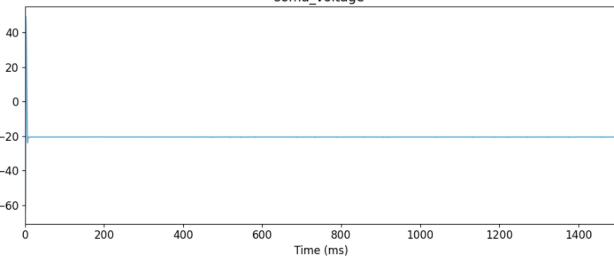
Metric	Value
BigBurstVal_Fitness	{'Value': 3286.866527469854, 'Fit': 1000.0}
numBig_Fitness	{'Value': 1, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.6666666666666666, 'Fit': 1.733778325642695}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 2789.2945643907483, 'Fit': 1000}
slopeFitness	{'Value': -59.08099652612655, 'Fit': 1000}
thresh	{'Value': 1861.255223278022, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 39.473684210526315, 'Fit': 1000}
E_rate_fitness	{'Value': 0.0, 'Fit': 1000}
I_rate_fitness	{'Value': 26.10185185185185, 'Fit': 1000}
maxFitness	1000
average_fitness	916.8111481938035
average_scaled_fitness	0.9166666666666666

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



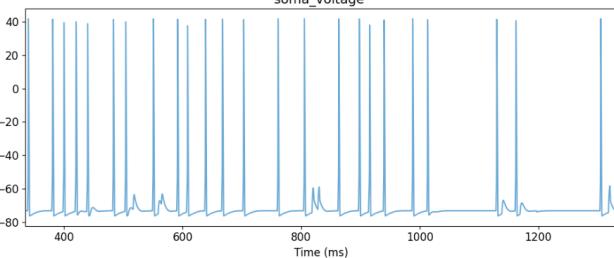
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

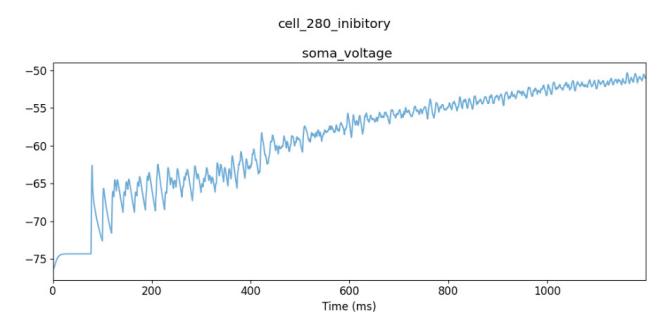
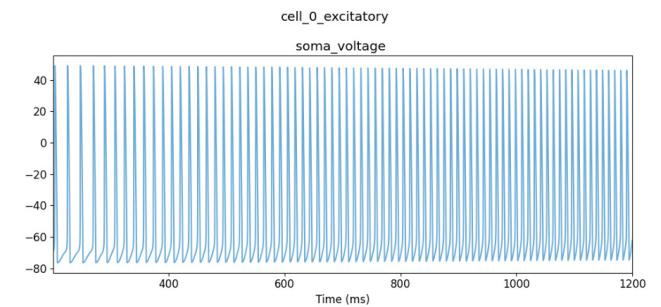
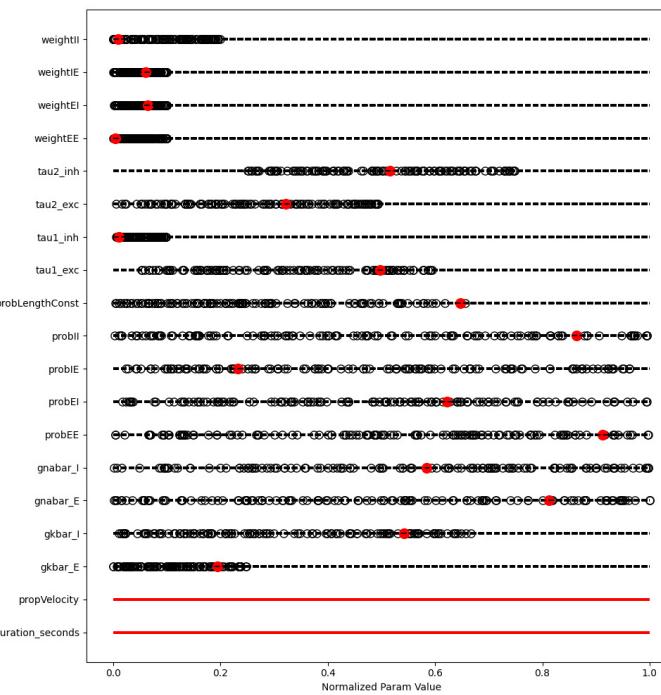
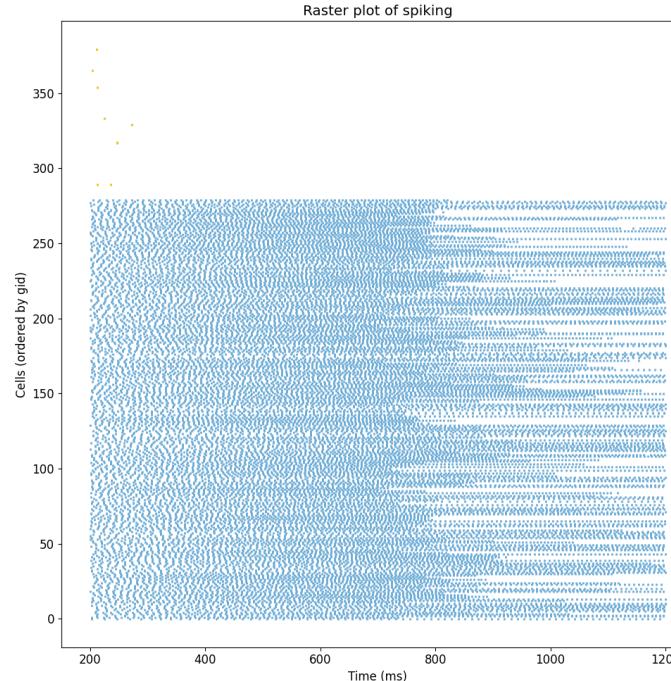
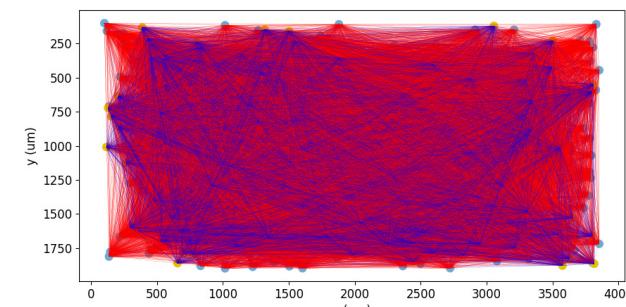


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_72_data.json
SimLabel	gen_0_cand_72
Generation Rank	26/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osci	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 31755.4560925952, 'Fit': 1000.0}
numBig_Fitness	{'Value': 1, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.8333333333333333, 'Fit': 2.048217078598763}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 24788.142551250312, 'Fit': 1000}
slopeFitness	{'Value': -646.0893971313973, 'Fit': 1000}
thresh	{'Value': 15417.207887388253, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 7.28476821192053, 'Fit': 1000}
E_rate_fitness	{'Value': 96.96428571428571, 'Fit': 1000}
I_rate_fitness	{'Value': 0.5092592592592592, 'Fit': 1000}
maxFitness	1000
average_fitness	916.8373514232165
average_scaled_fitness	0.9166666666666666

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

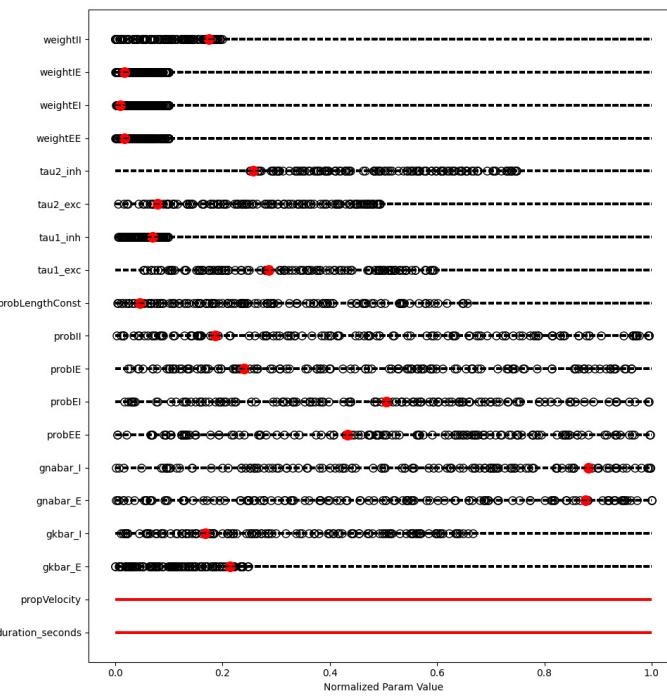
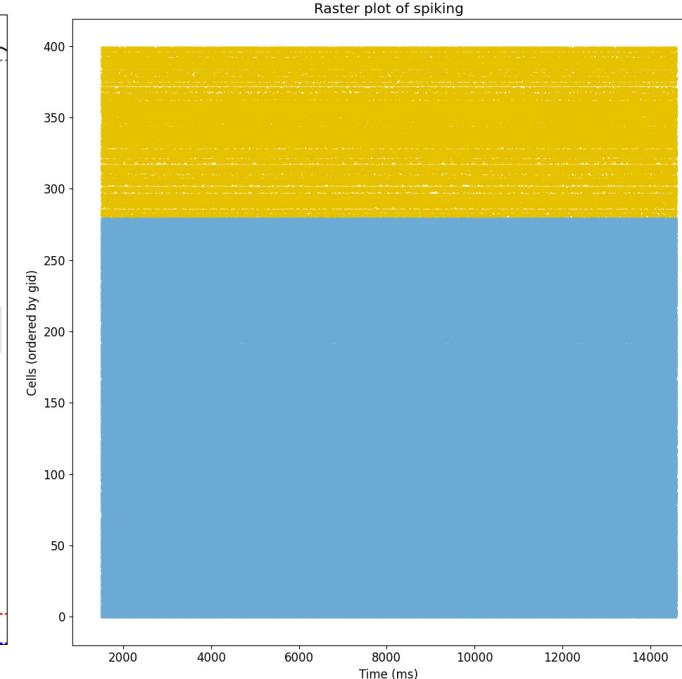
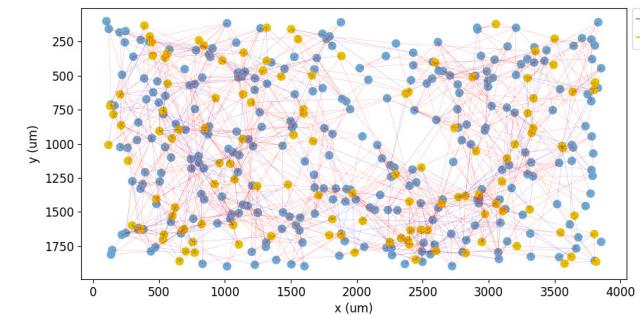


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_79_data.json
SimLabel	gen_0_cand_79
Generation Rank	17/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osci	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

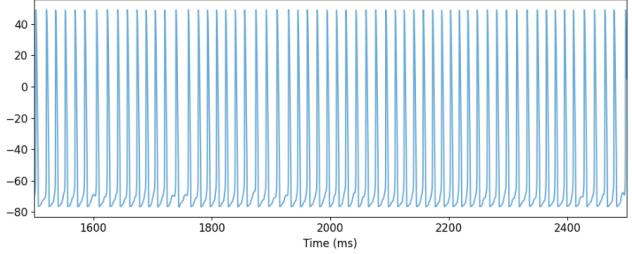
Metric	Value
BigBurstVal_Fitness	{'Value': 27251.278176070504, 'Fit': 1000.0}
numBig_Fitness	{'Value': 1, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.0684931506849315, 'Fit': 1.0490347814981165}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 27119.052499370937, 'Fit': 1000}
slopeFitness	{'Value': 0.5523840169991201, 'Fit': 1.733056312248435}
thresh	{'Value': 26545.757801165753, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 87.41721854304636, 'Fit': 32.64898537752051}
E_rate_fitness	{'Value': 60.29365079365079, 'Fit': 1000}
I_rate_fitness	{'Value': 40.86111111111111, 'Fit': 1000}
maxFitness	1000
average_fitness	752.9525897059389
average_scaled_fitness	0.7526931562251166

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



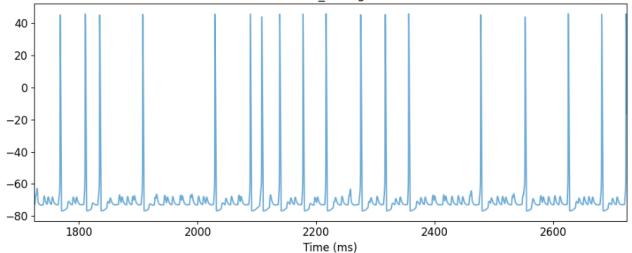
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

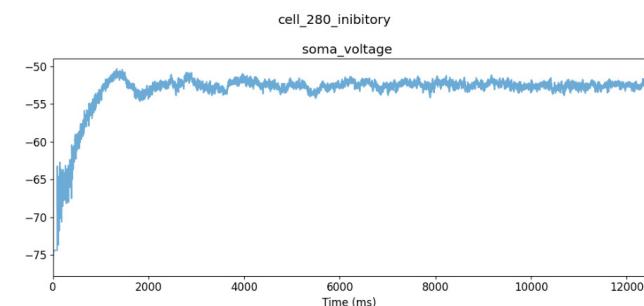
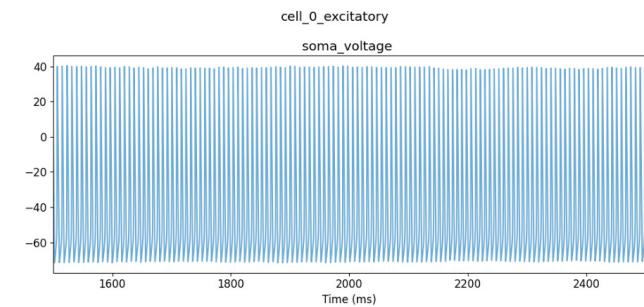
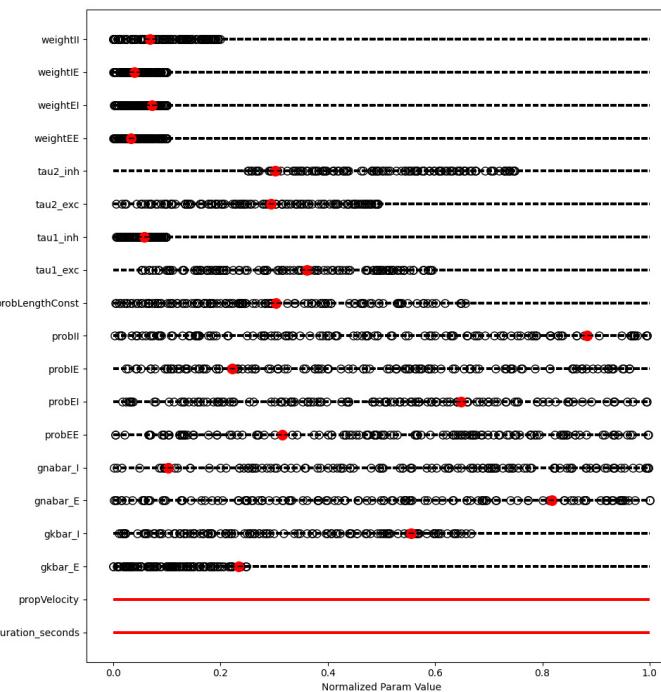
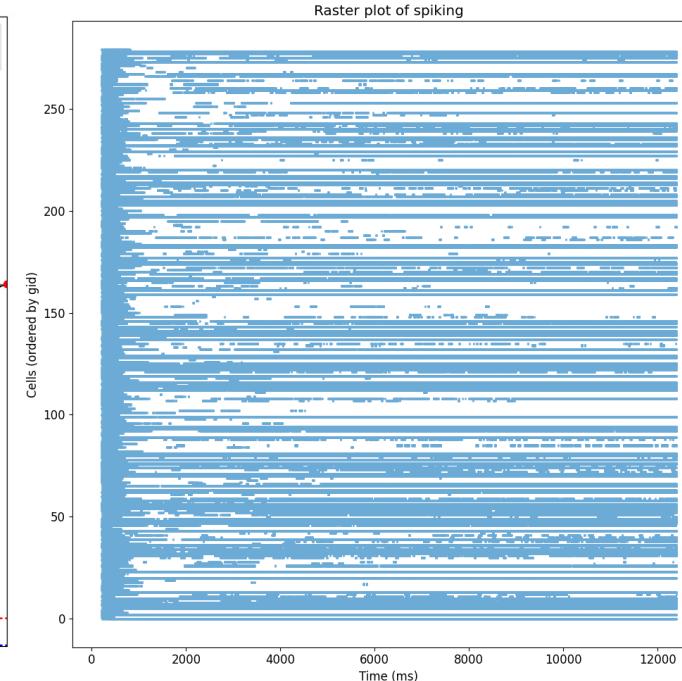
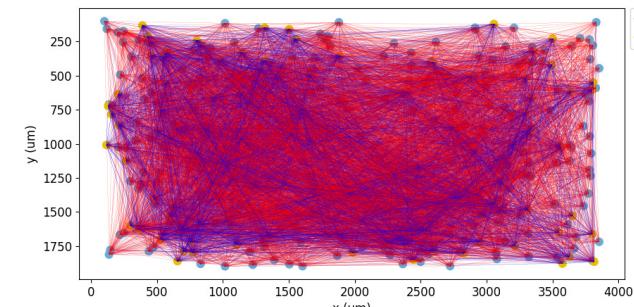


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_108_data.json
SimLabel	gen_0_cand_108
Generation Rank	21/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 19861.304102670732, 'Fit': 1000.0}
numBig_Fitness	{'Value': 7, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.564516129032258, 'Fit': 1.5654173921289605}
IBI_fitness	{'Value': 1.9833333333333334, 'Fit': 1.0006150721599414}
baseline_fitness	{'Value': 18135.8674907365, 'Fit': 1000}
slopeFitness	{'Value': -18.425463341119443, 'Fit': 1000}
thresh	{'Value': 18003.77089147925, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 81.45695364238411, 'Fit': 1000}
E_rate_fitness	{'Value': 89.5515873015873, 'Fit': 1000}
I_rate_fitness	{'Value': 0.0, 'Fit': 1000}
maxFitness	1000
average_fitness	833.5471693720241
average_scaled_fitness	0.8333804473363123

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

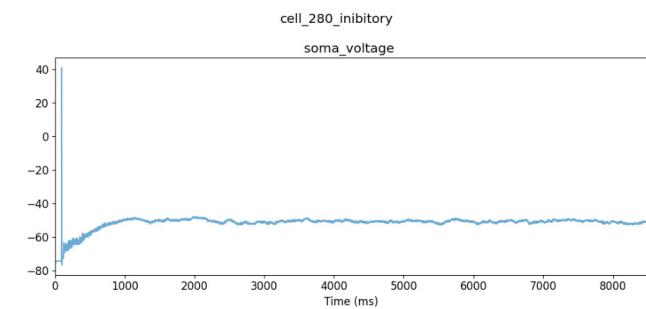
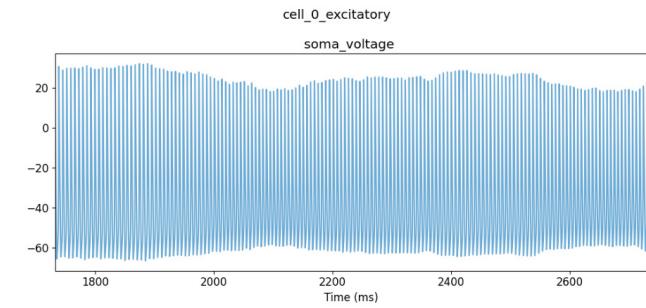
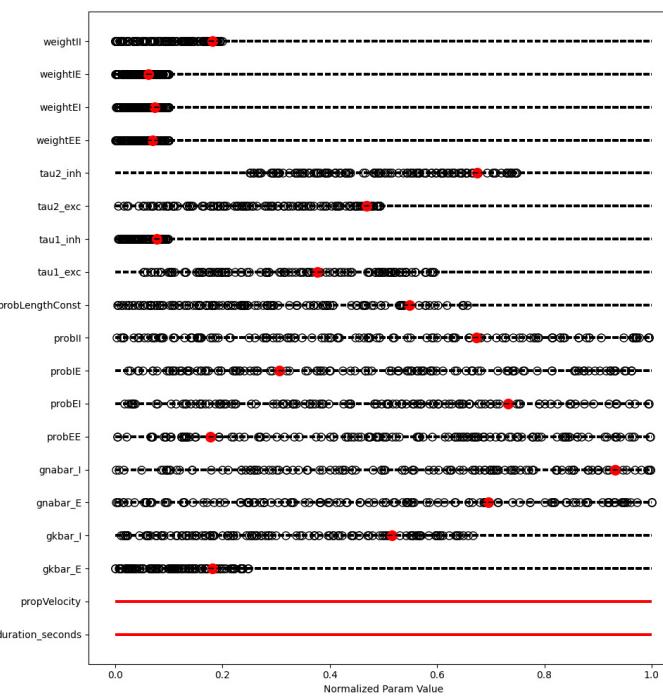
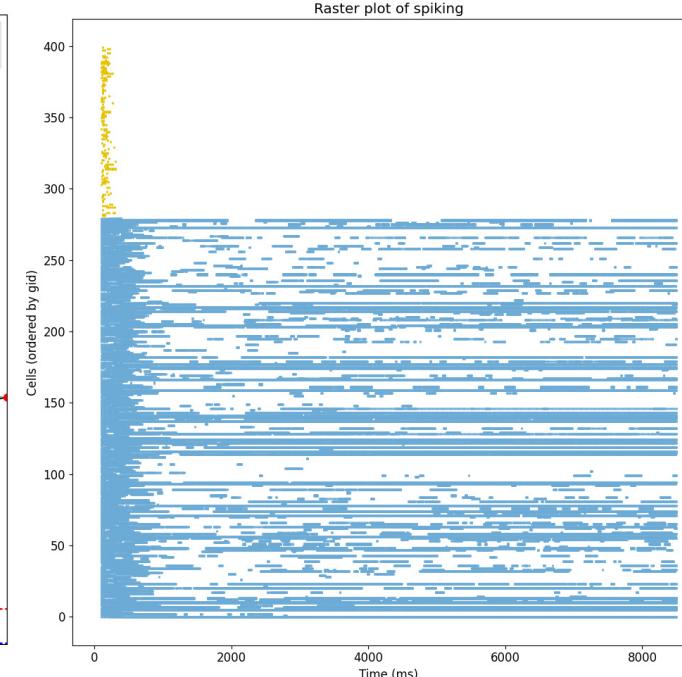
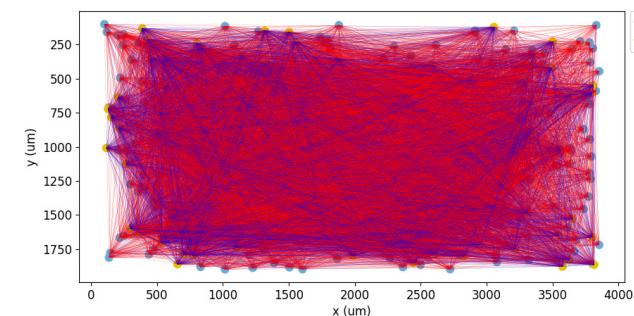


Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_109_data.json
SimLabel	gen_0_cand_109
Generation Rank	20/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osc	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 14522.363217817525, 'Fit': 1000.0}
numBig_Fitness	{'Value': 3, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.35294117647058826, 'Fit': 1.2669057878219028}
IBI_fitness	{'Value': 4.05, 'Fit': 1.0004282823437625}
baseline_fitness	{'Value': 9876.184536829769, 'Fit': 1000}
slopeFitness	{'Value': -49.51896804392028, 'Fit': 1000}
thresh	{'Value': 9831.040968772593, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 56.29139072847682, 'Fit': 1000}
E_rate_fitness	{'Value': 65.92063492063492, 'Fit': 1000}
I_rate_fitness	{'Value': 1.8611111111111112, 'Fit': 1000}
maxFitness	1000
average_fitness	833.5222778391804
average_scaled_fitness	0.8333555620303402

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



Description	Value
Data Directory	/NERSC/output/240511_Run23_4proc/gen_0/gen_0_cand_121_data.json
SimLabel	gen_0_cand_121
Generation Rank	18/127

Criteria	Targets
bursts_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': 0.1163636363636363, '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}
sustained_osci	{'target': 90.90303232255916}
thresh_target	{'target': 718.115, 'max': 724.599}
rate_targets	{'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 16380.556090518521, 'Fit': 1000.0}
numBig_Fitness	{'Value': 1, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.06802721088435373, 'Fit': 1.0495236824453669}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 16292.454461276051, 'Fit': 1000}
slopeFitness	{'Value': 0.5187691653681598, 'Fit': 1.6757681424432962}
thresh	{'Value': 15949.071942940547, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 84.76821192052981, 'Fit': 461.65617406100006}
E_rate_fitness	{'Value': 49.49999999999999, 'Fit': 1000}
I_rate_fitness	{'Value': 0.6018518518518517, 'Fit': 1000}
maxFitness	1000
average_fitness	788.6984554904908
average_scaled_fitness	0.7884764565222161

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

