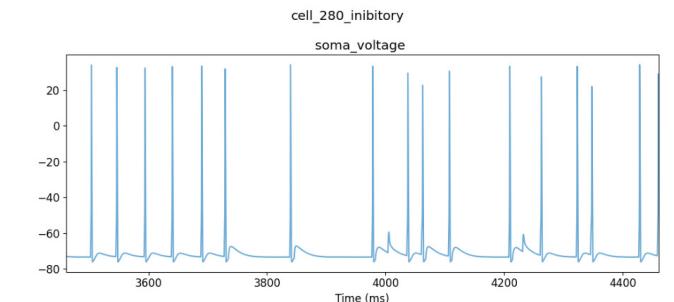
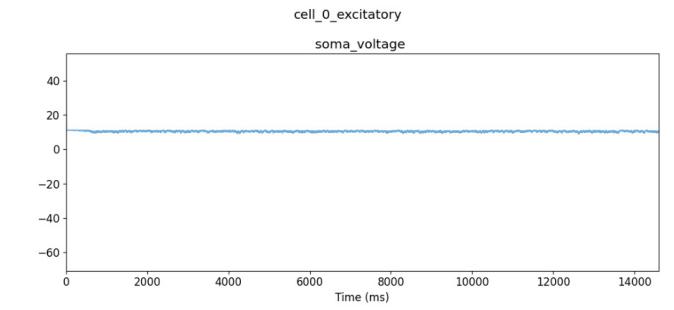
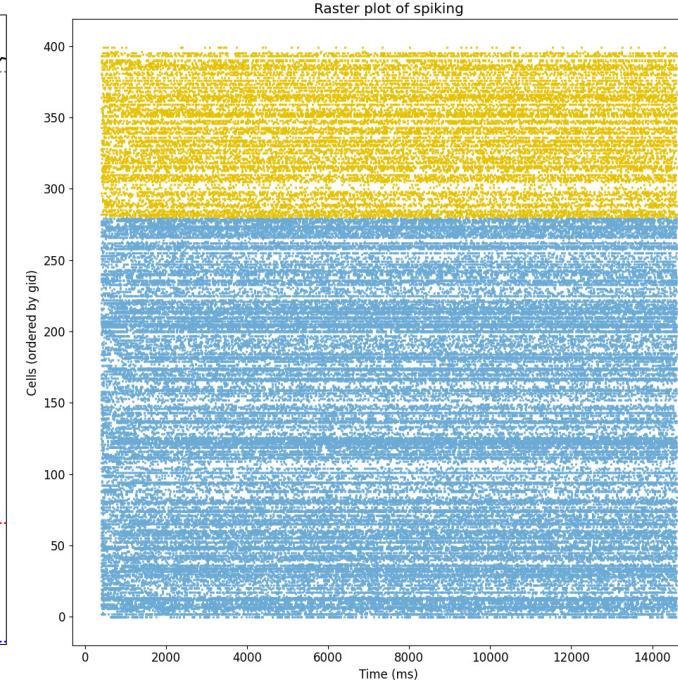
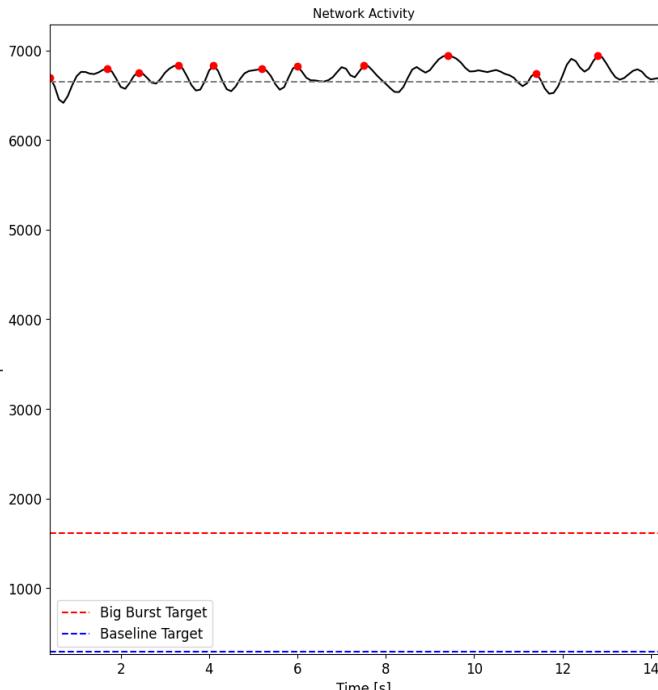
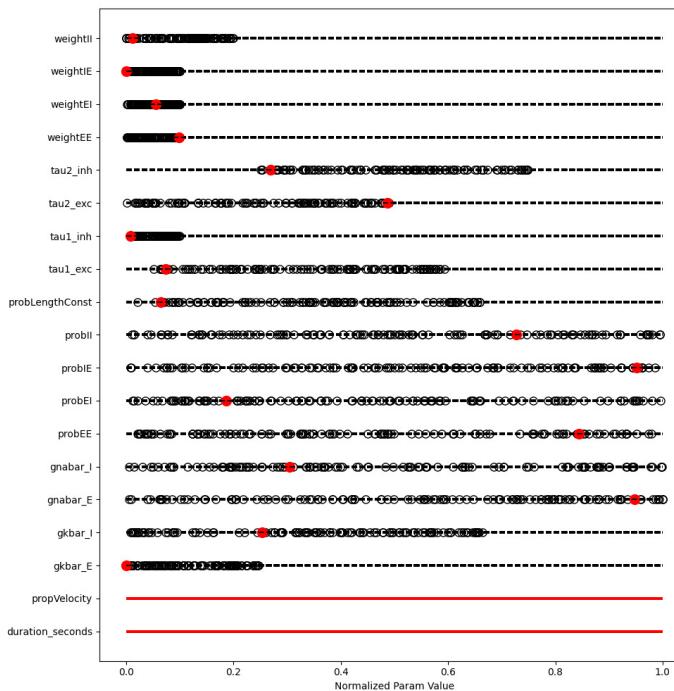
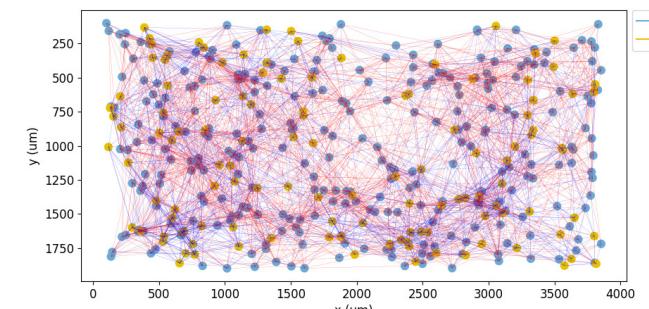


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_0/data.json
SimLabel	gen_0_cand_0
Generation Rank	13/123

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_oscillation	{'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

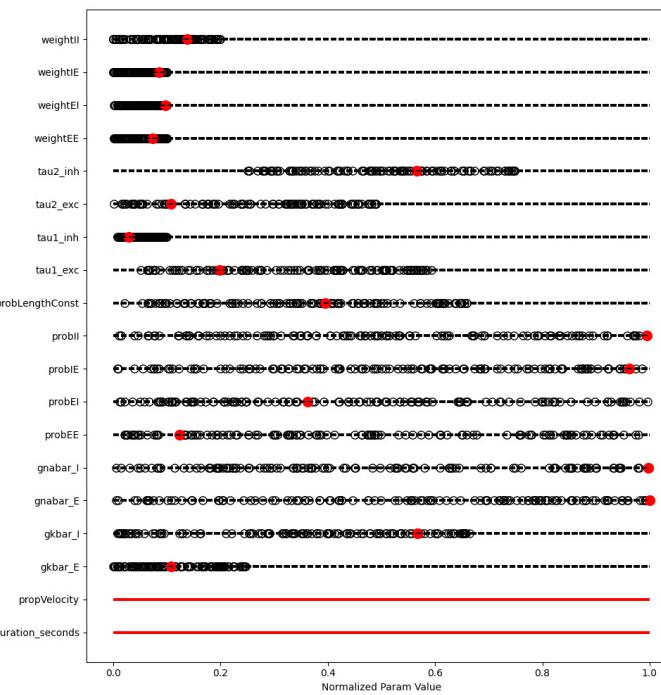
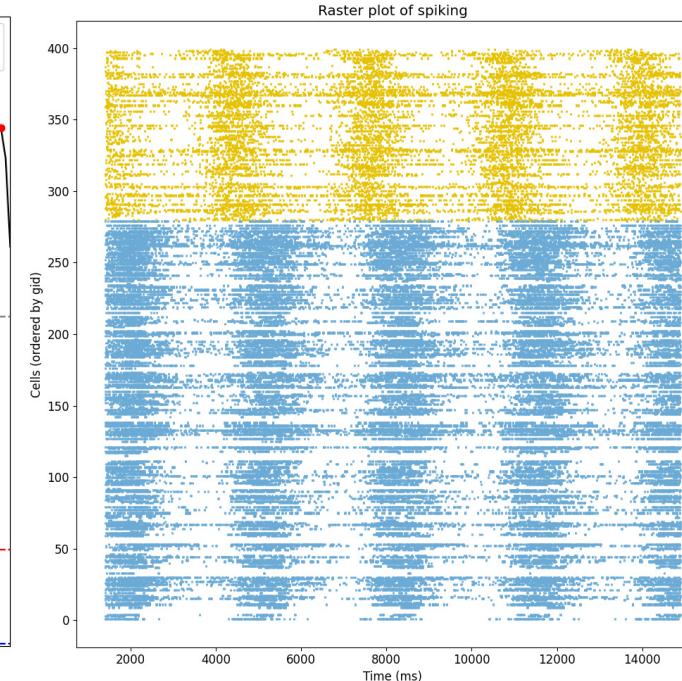
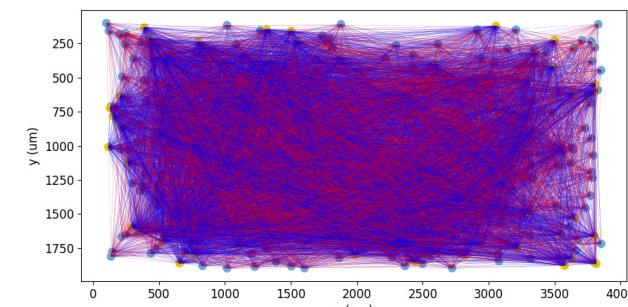


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_1/data.json
SimLabel	gen_0_cand_1
Generation Rank	11/123

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}}

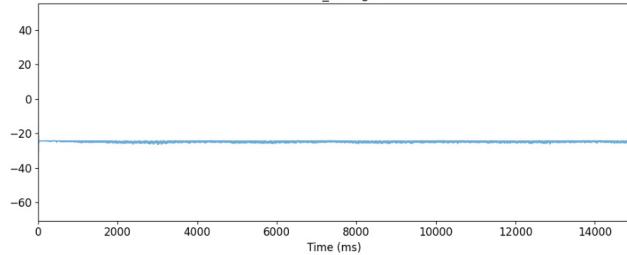
Metric	Value
BigBurstVal_Fitness	{'Value': 8064.011016475126, 'Fit': 1000.0}
numBig_Fitness	{'Value': 5, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.33557046979865773, '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



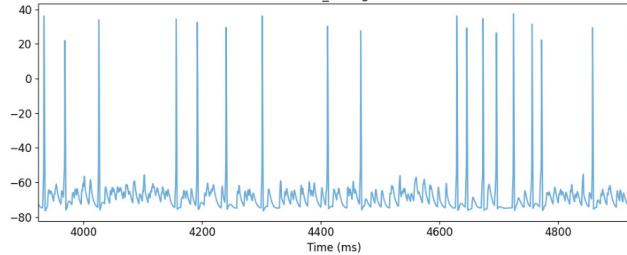
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

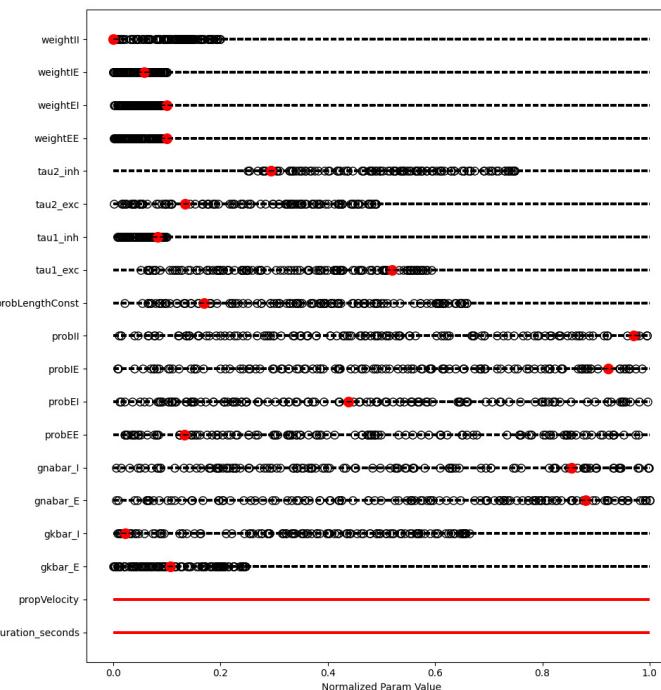
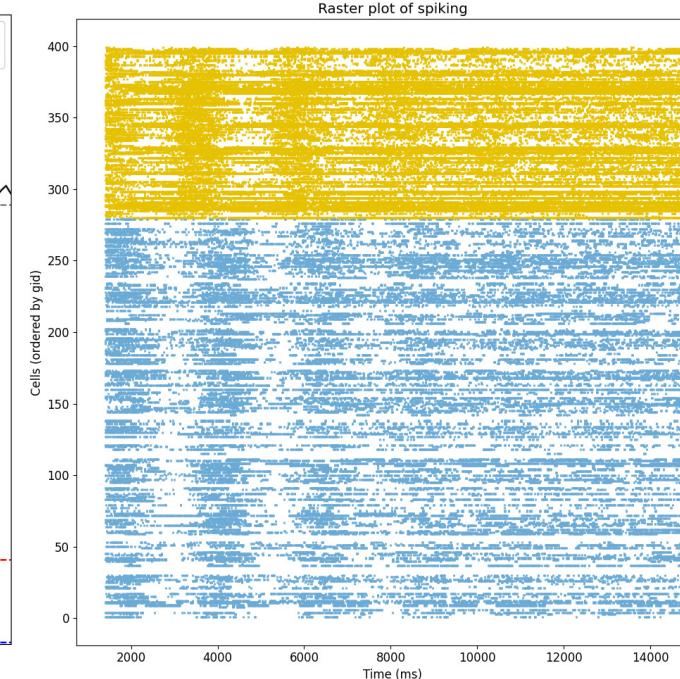
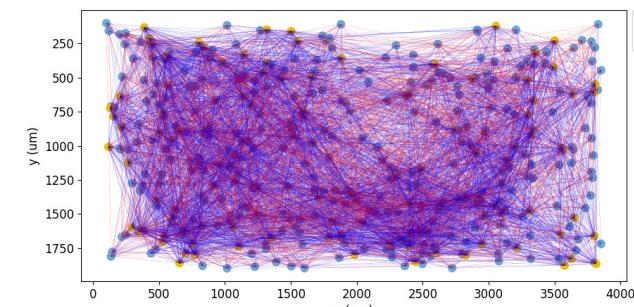


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_2_data.json
SimLabel	gen_0_cand_2
Generation Rank	3/123

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}}

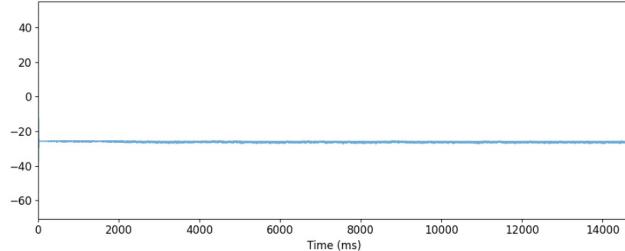
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224, 'Fit': 1.3388347270312633}
IBI_fitness	{'Value': 2.2399999999999998, 'Fit': 1.00005918646855756}
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



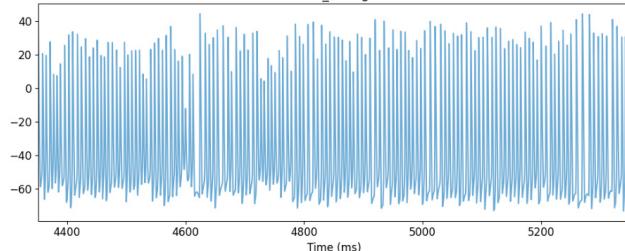
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

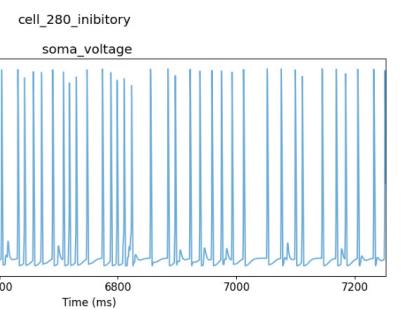
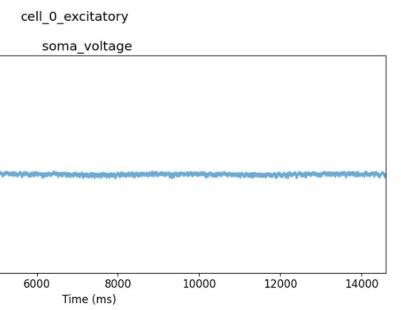
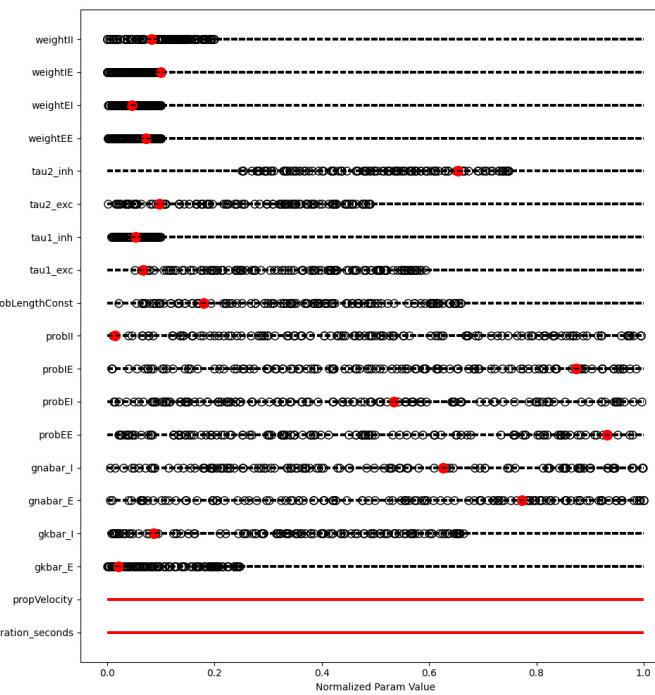
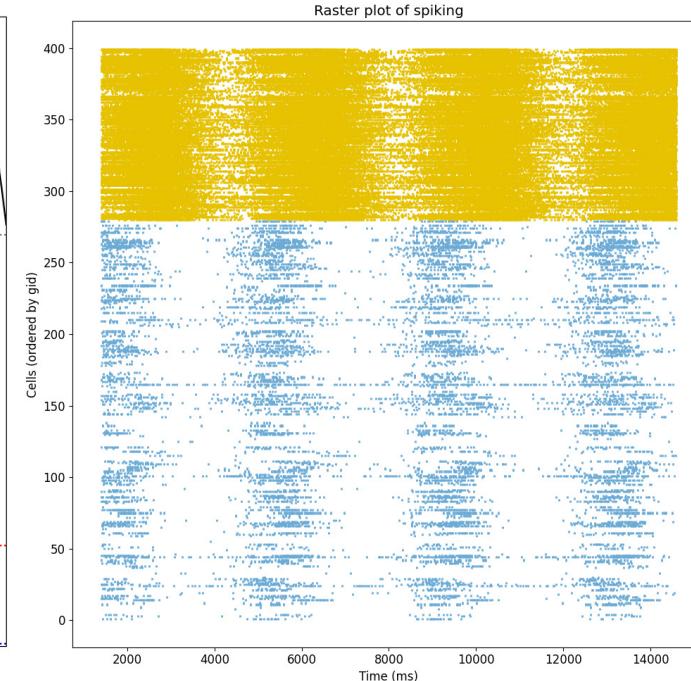
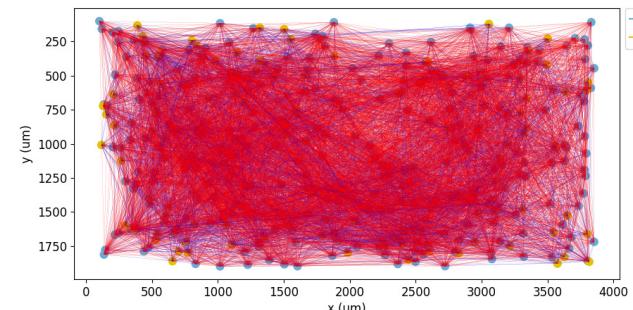


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_3/data.json
SimLabel	gen_0_cand_3
Generation Rank	4/123

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_oscillation	{'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

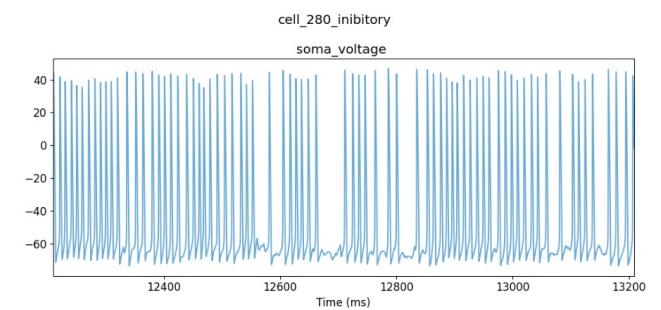
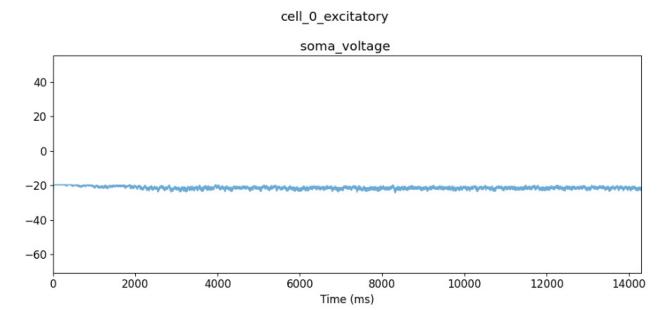
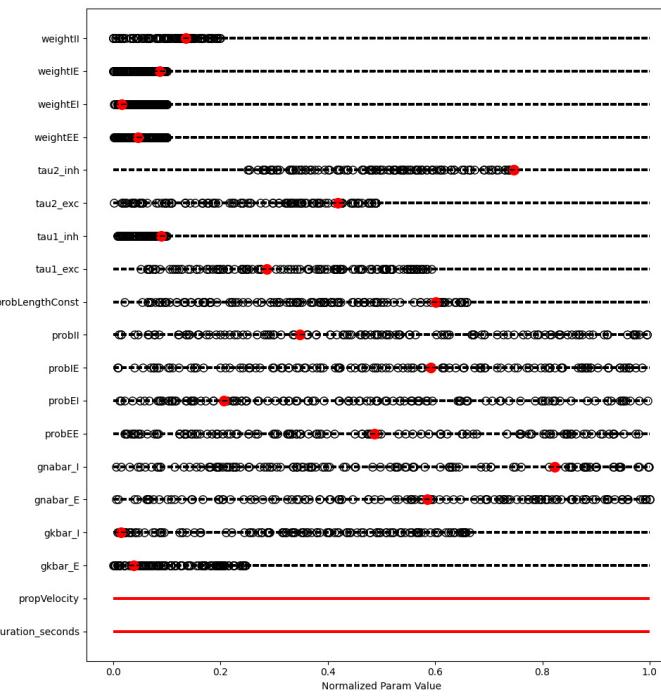
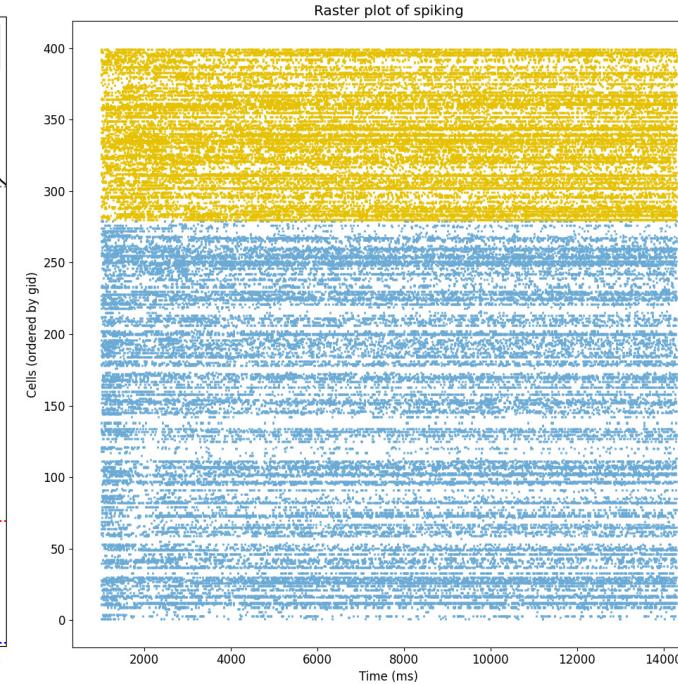
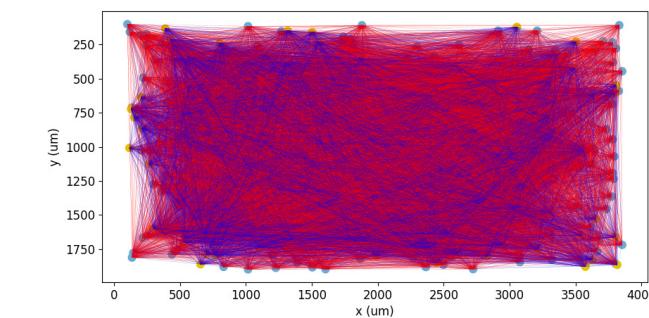
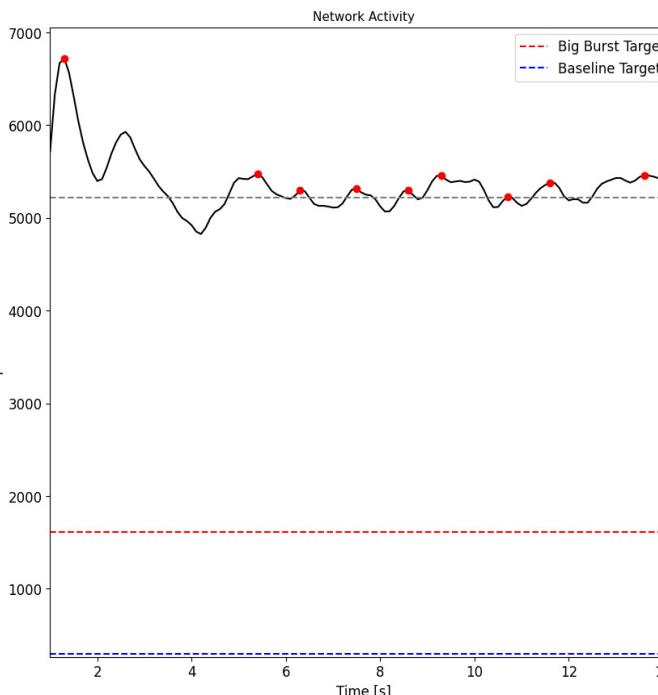


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_4/data.json
SimLabel	gen_0_cand_4
Generation Rank	12/123

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



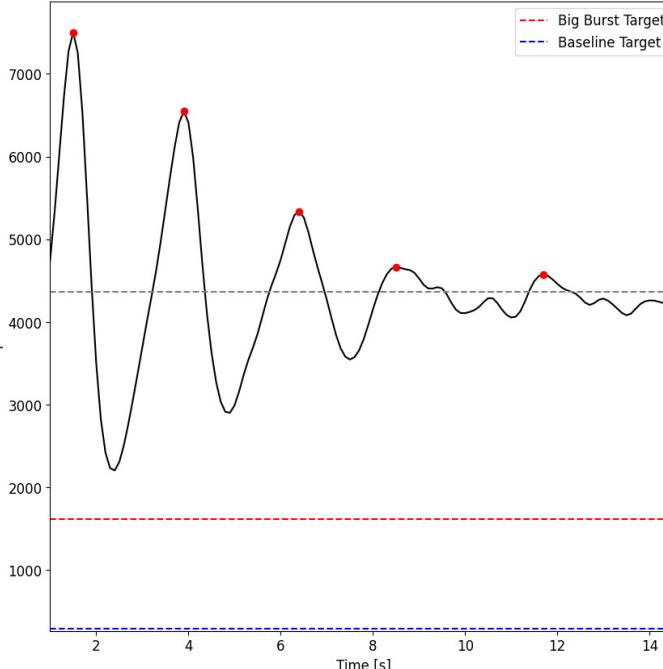
Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_5/data.json
SimLabel	gen_0_cand_5
Generation Rank	8/123

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}}

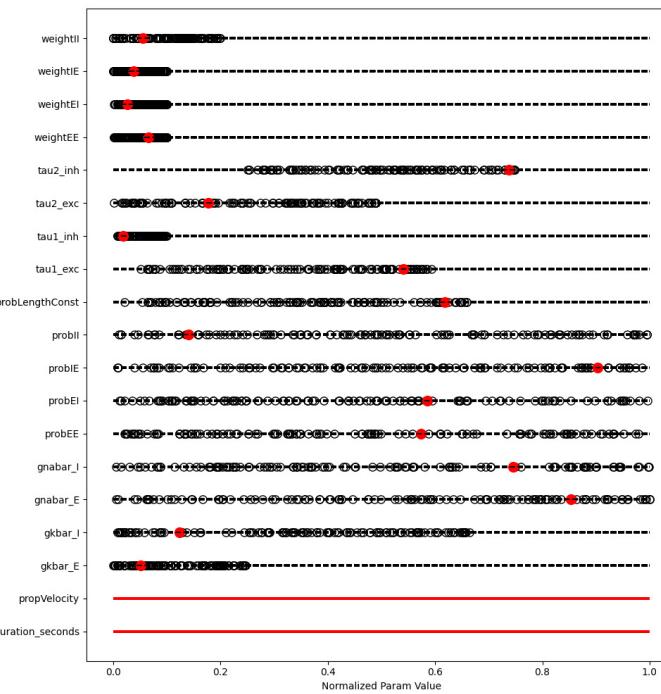
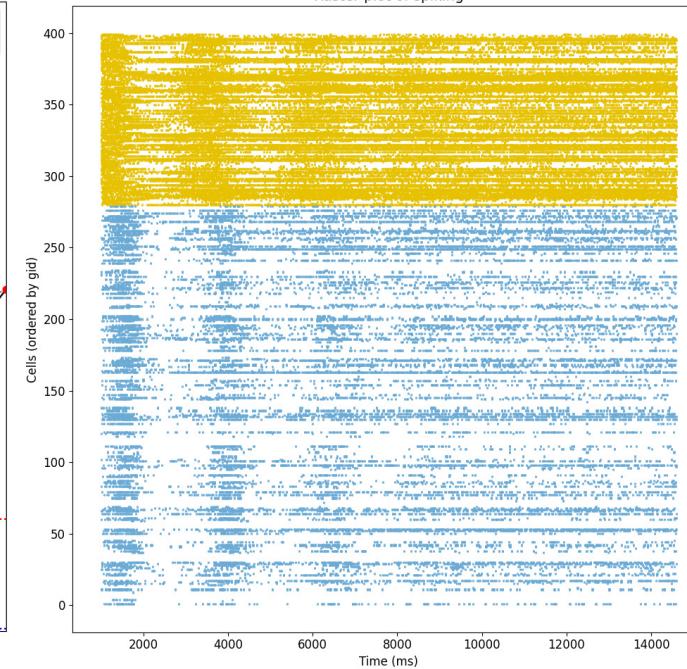
Metric	Value
BigBurstVal_Fitness	{'Value': 5503.702820679034, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.410958904109589, '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

Network Activity



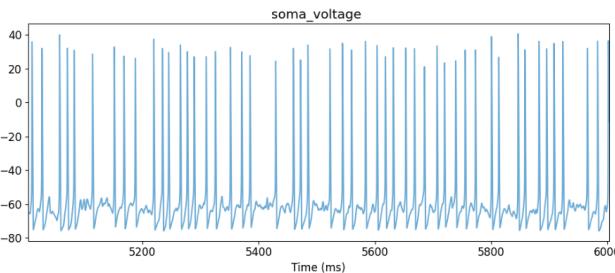
Raster plot of spiking



cell_0_excitatory



cell_280_inhibitory

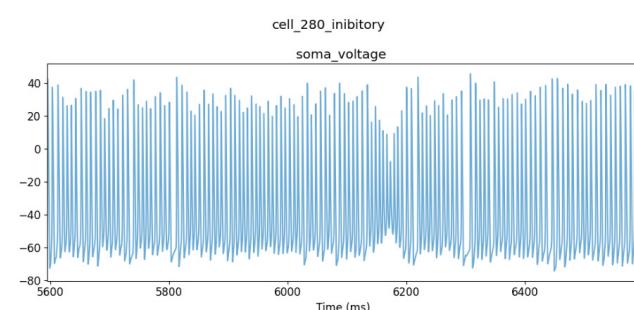
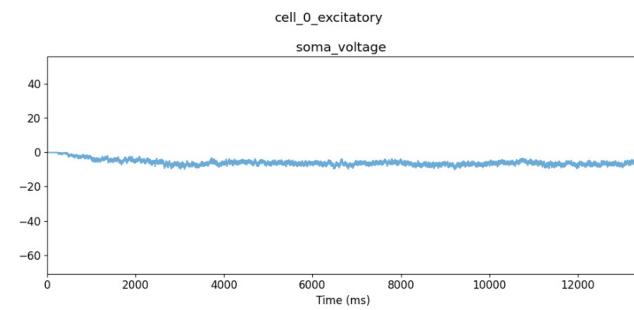
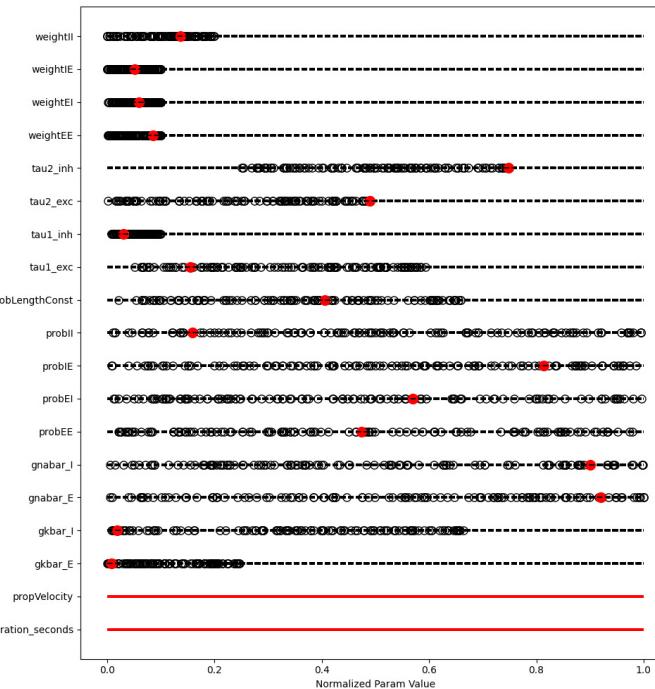
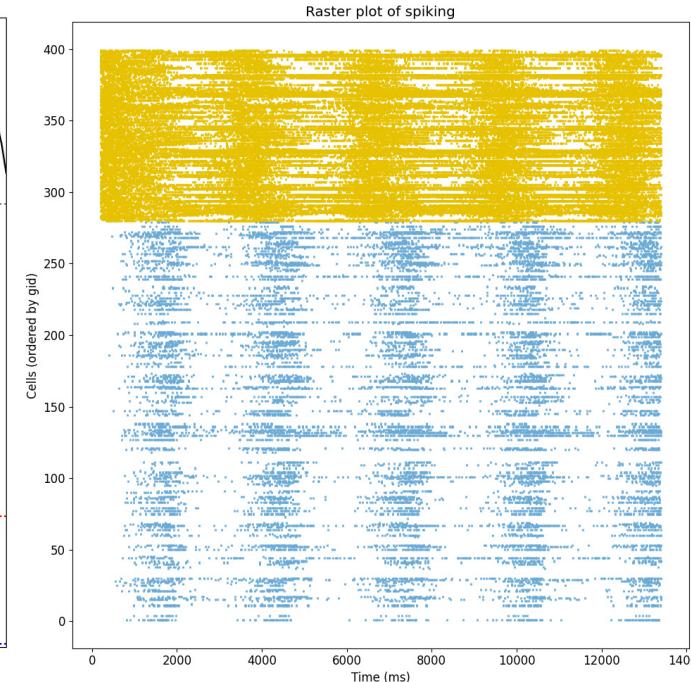
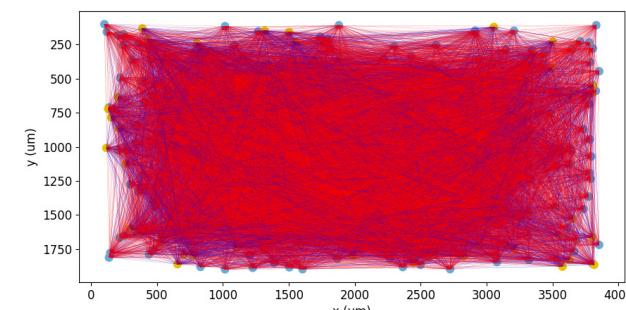


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_6_data.json
SimLabel	gen_0_cand_6
Generation Rank	6/123

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

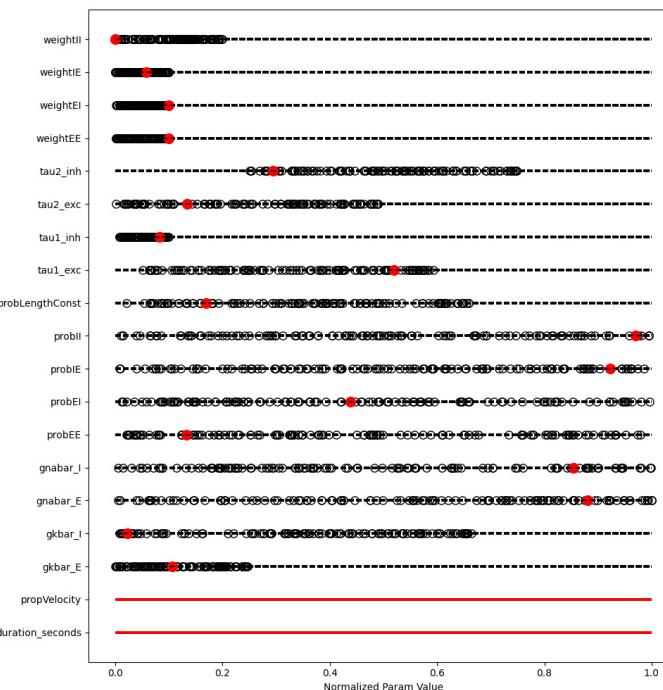
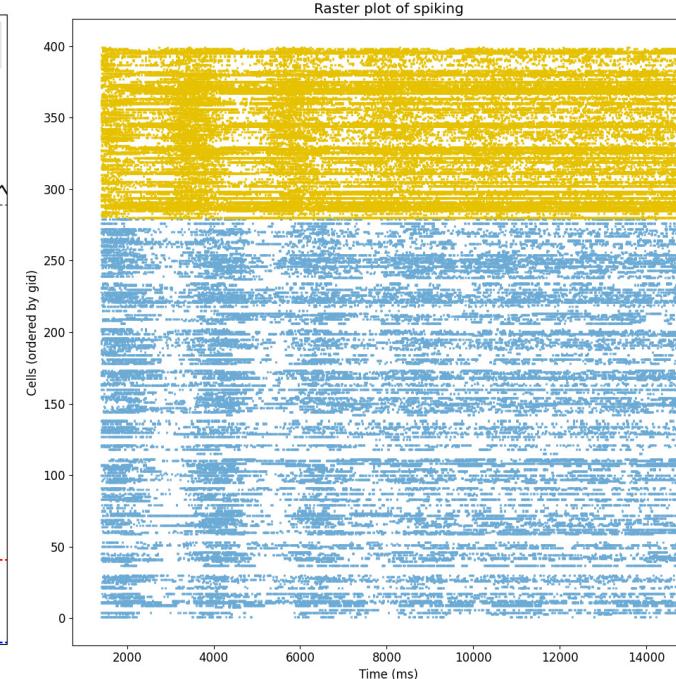
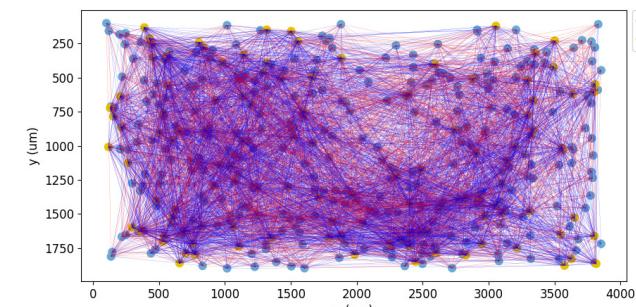


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_7 data.json
SimLabel	gen_0_cand_7
Generation Rank	0/123

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}}

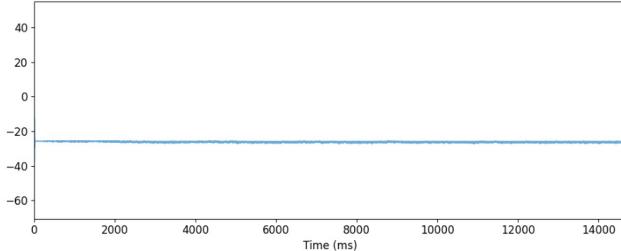
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224, 'Fit': 1.3388347270312633}
IBI_fitness	{'Value': 2.2399999999999998, 'Fit': 1.00005918646855756}
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



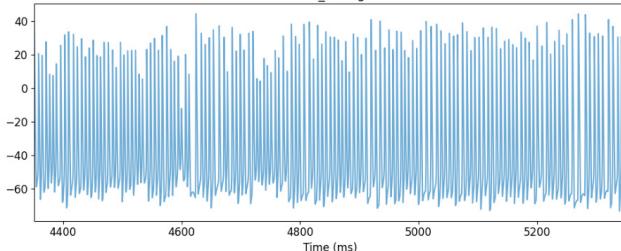
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

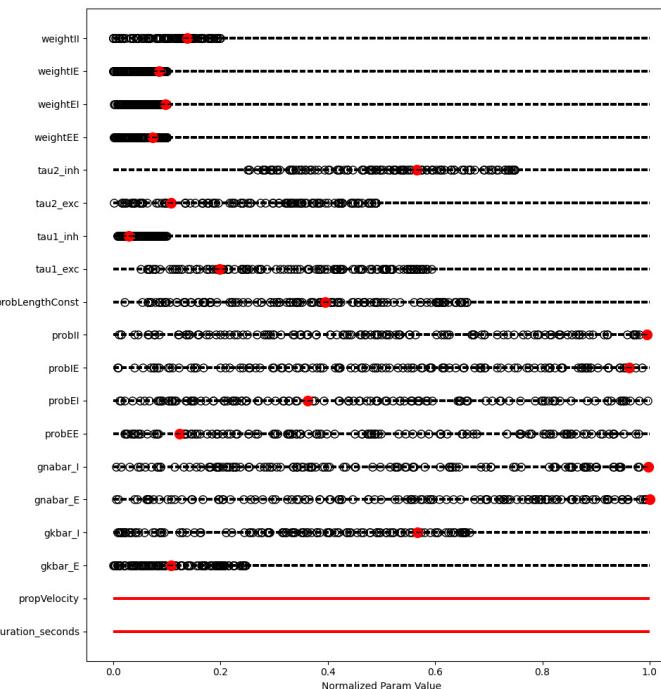
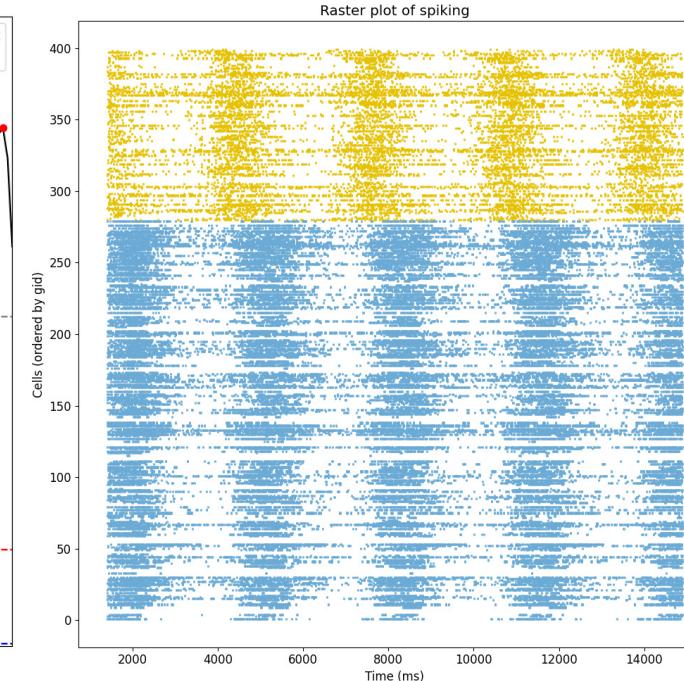
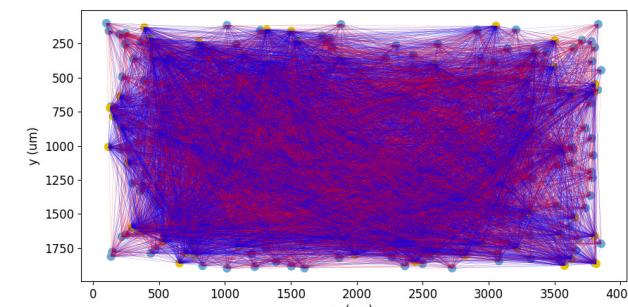


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_8/data.json
SimLabel	gen_0_cand_8
Generation Rank	10/123

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}}

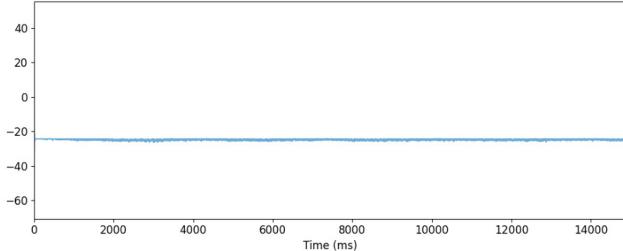
Metric	Value
BigBurstVal_Fitness	{'Value': 8064.011016475126, 'Fit': 1000.0}
numBig_Fitness	{'Value': 5, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.33557046979865773, '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



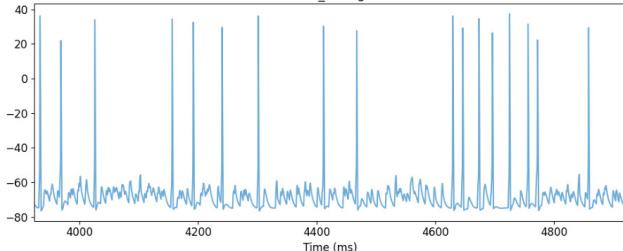
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

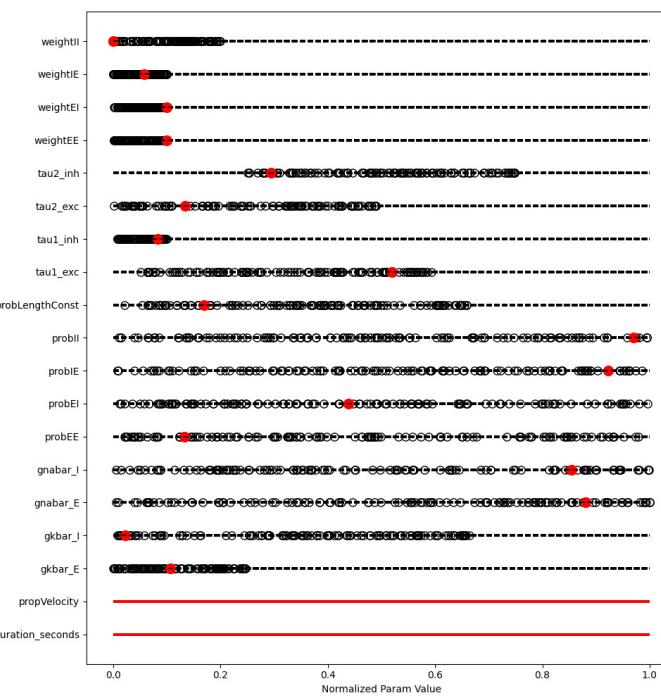
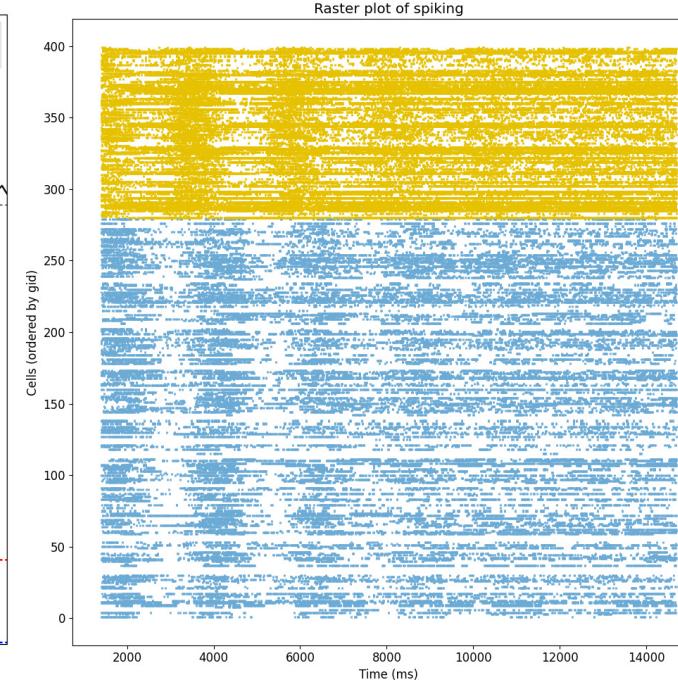
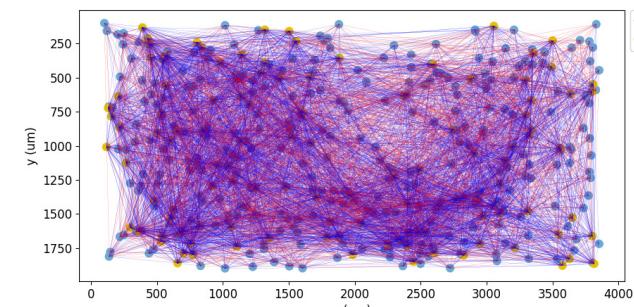


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_9_data.json
SimLabel	gen_0_cand_9
Generation Rank	2/123

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}}

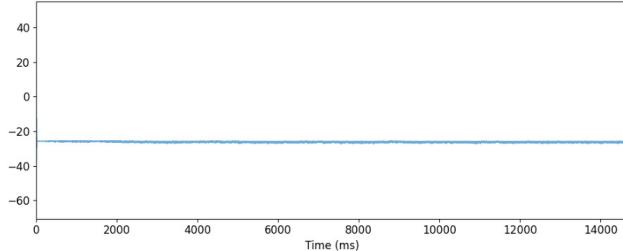
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224, 'Fit': 1.3388347270312633}
IBI_fitness	{'Value': 2.2399999999999998, 'Fit': 1.00005918646855756}
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



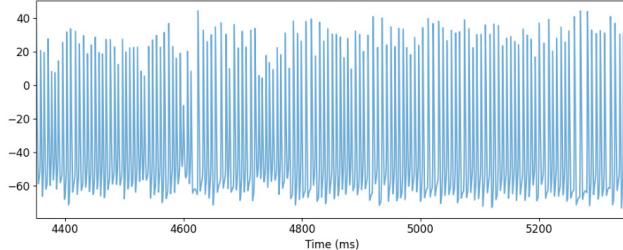
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

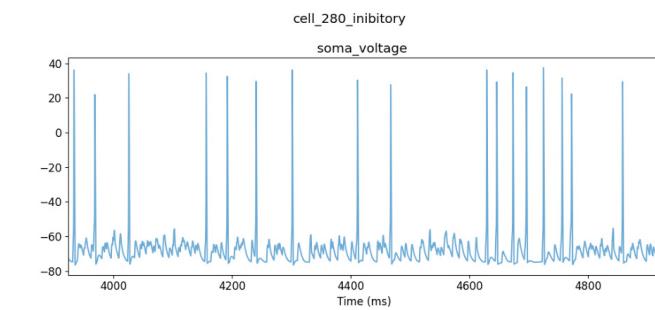
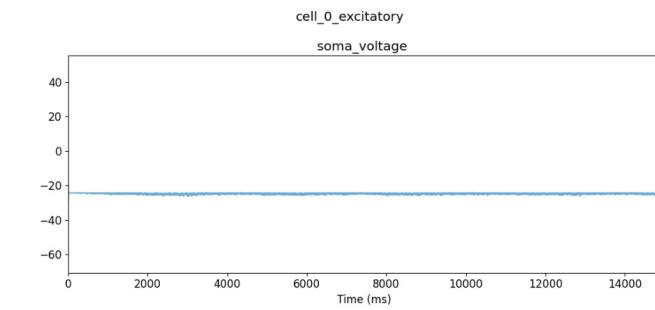
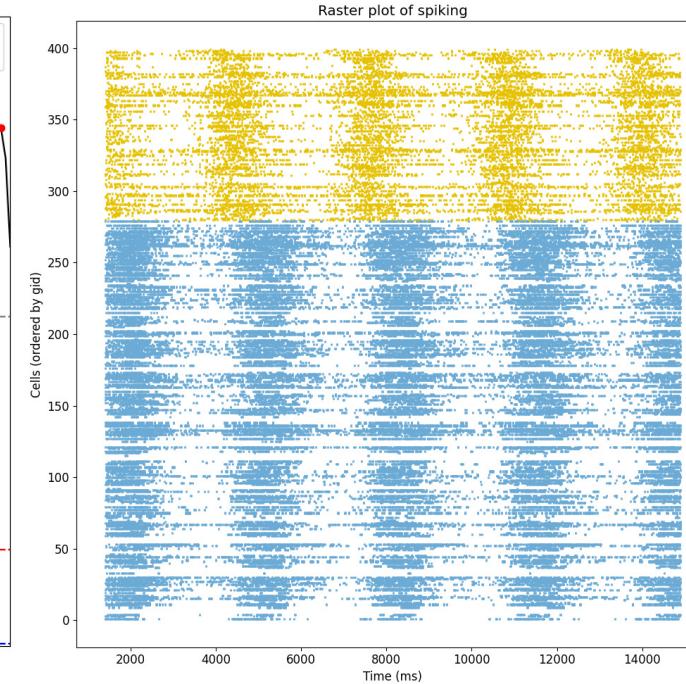
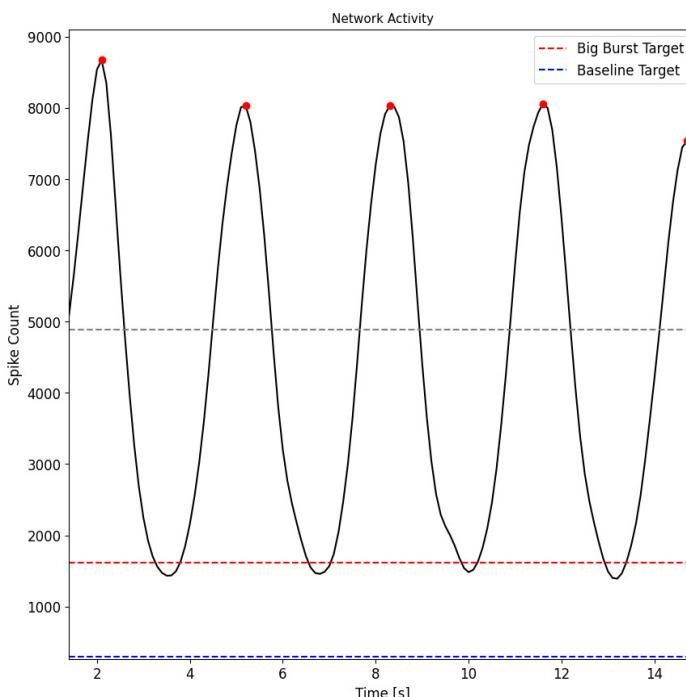
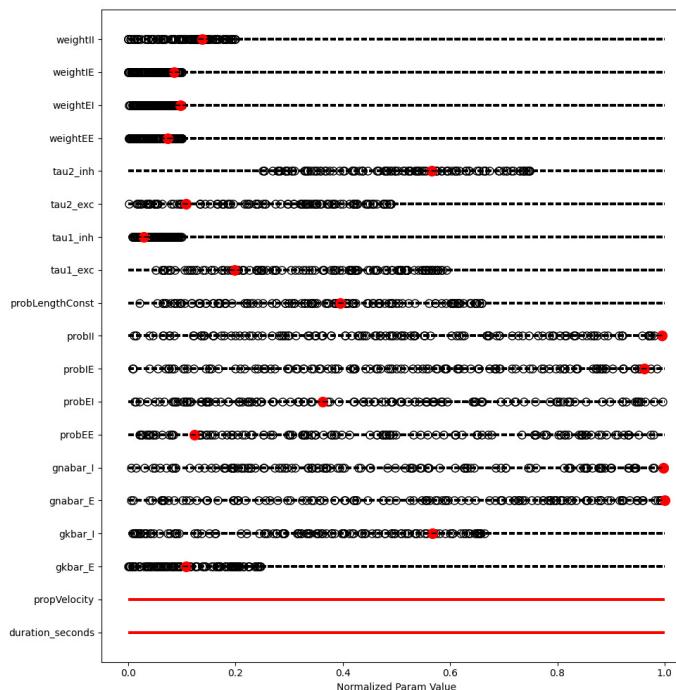
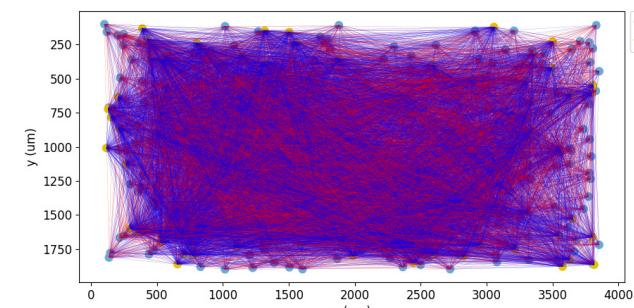


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_10_data.json
SimLabel	gen_0_cand_10
Generation Rank	9/123

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': 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

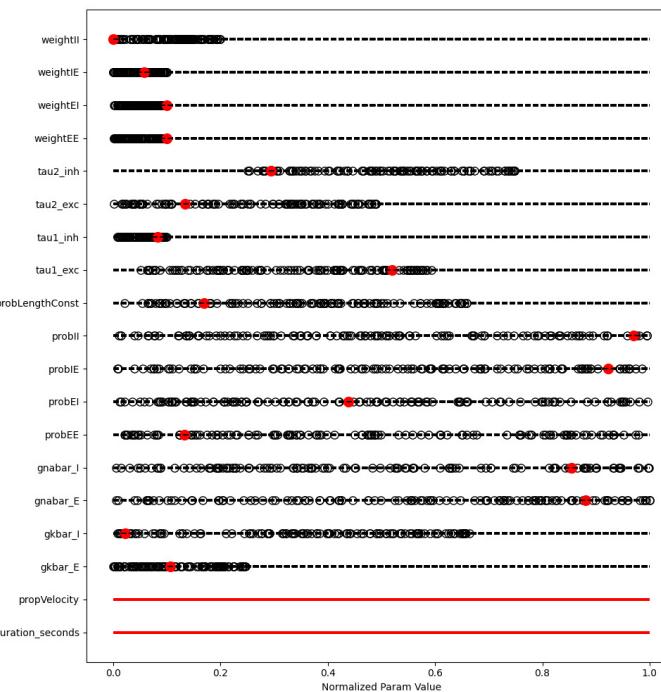
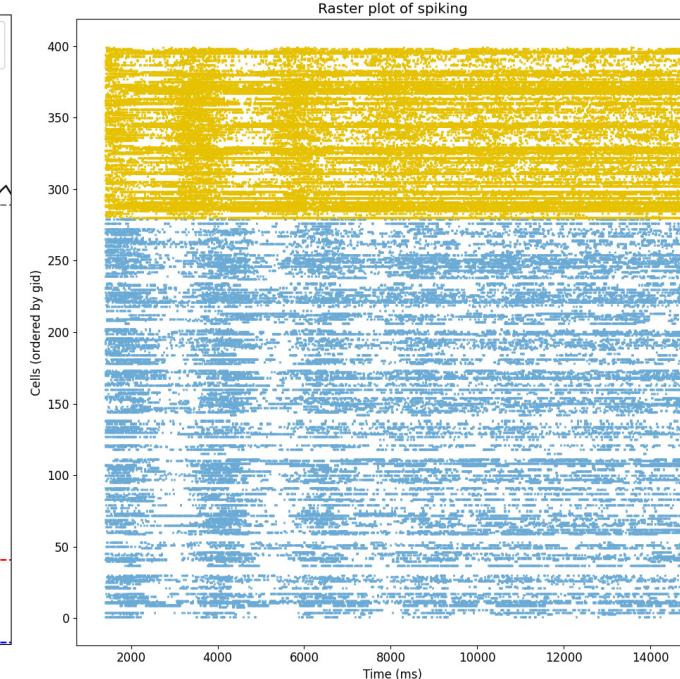
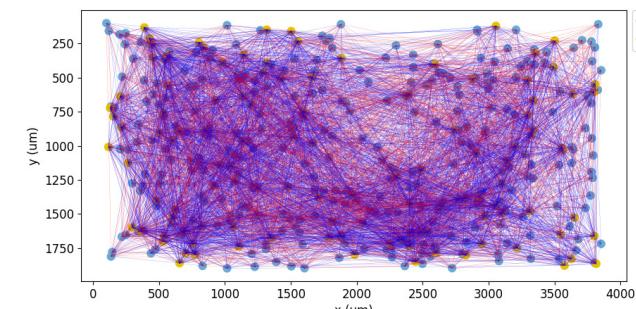


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_11_data.json
SimLabel	gen_0_cand_11
Generation Rank	1/123

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}}

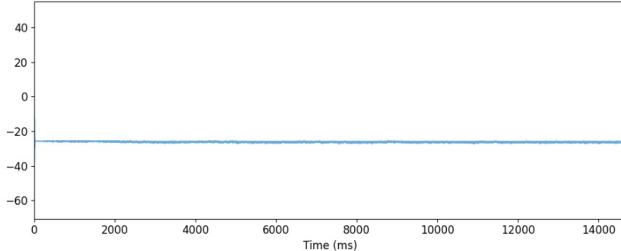
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224, 'Fit': 1.3388347270312633}
IBI_fitness	{'Value': 2.2399999999999998, 'Fit': 1.00005918646855756}
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



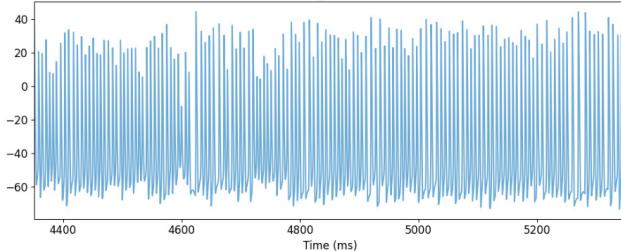
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

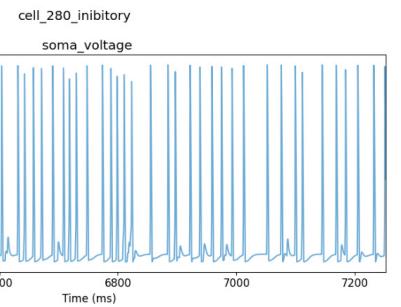
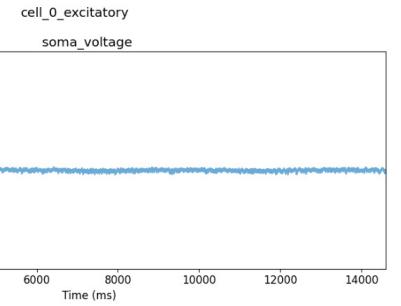
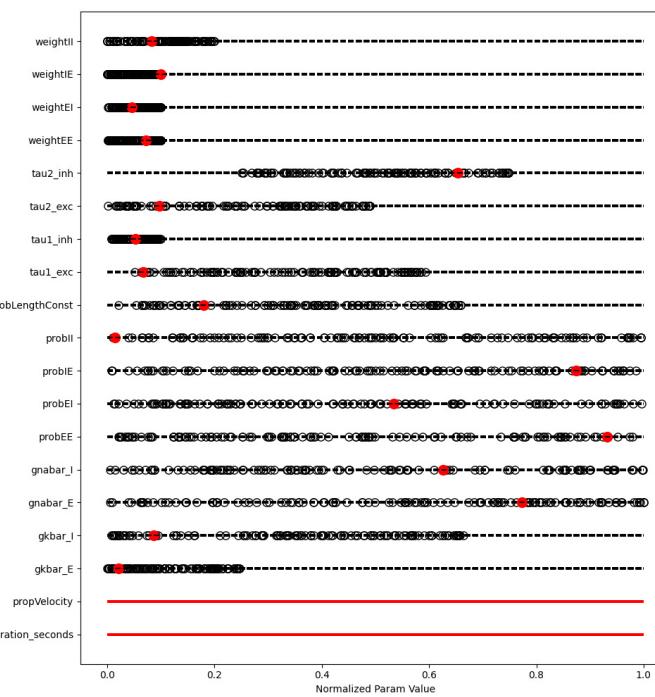
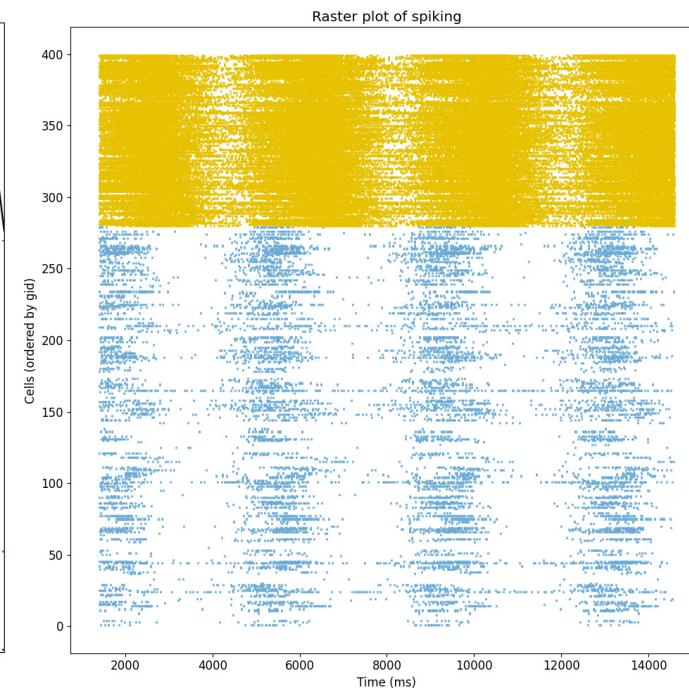
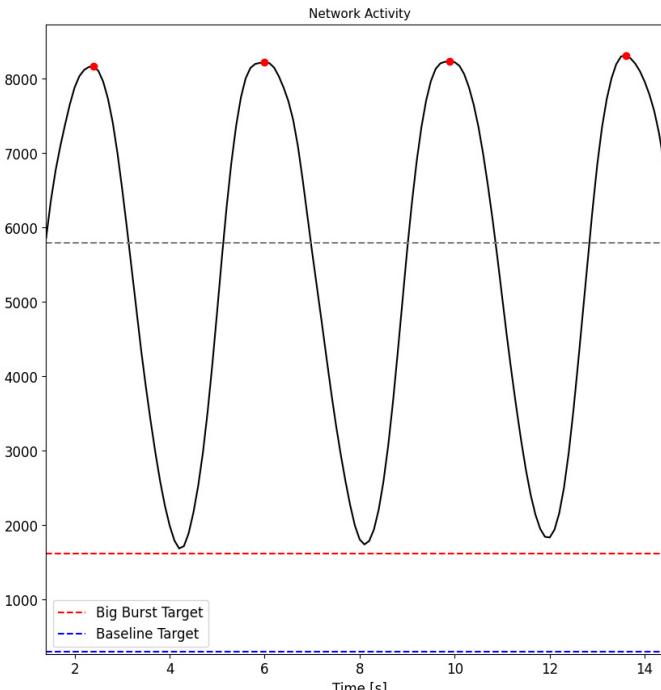


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_12_data.json
SimLabel	gen_0_cand_12
Generation Rank	5/123

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_oscillation	{'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

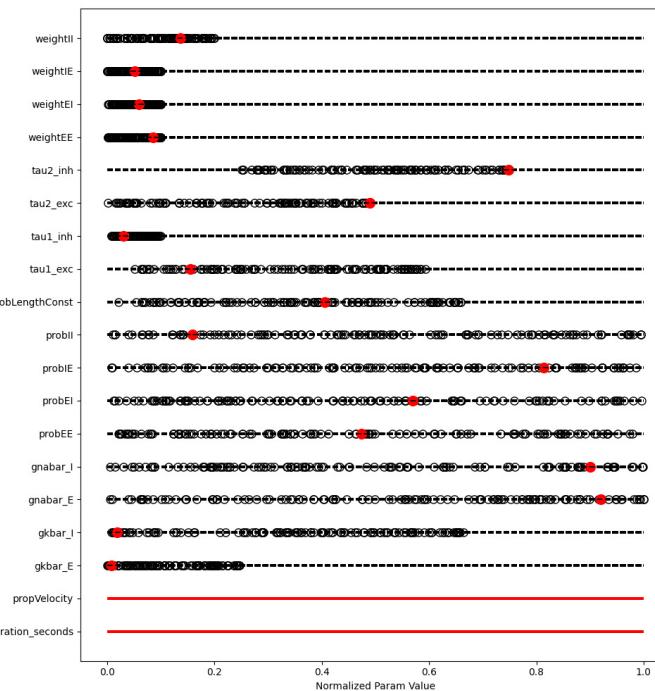
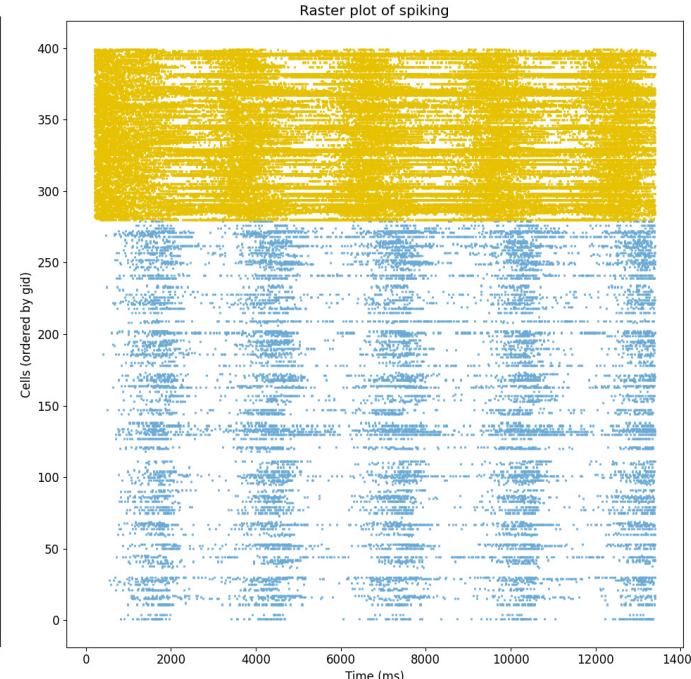
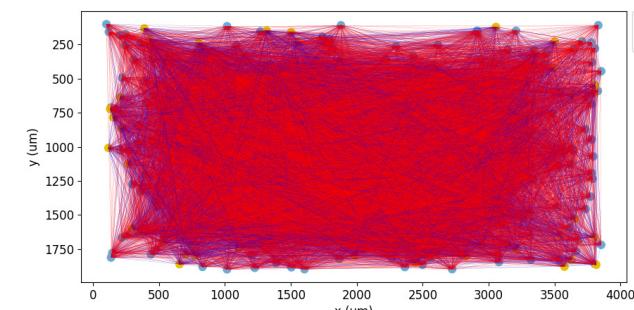


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_13/data.json
SimLabel	gen_0_cand_13
Generation Rank	7/123

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}}

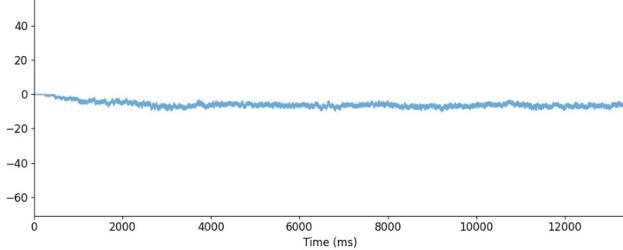
Metric	Value
BigBurstVal_Fitness	{'Value': 6090.046349287401, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.44776119402985076, '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



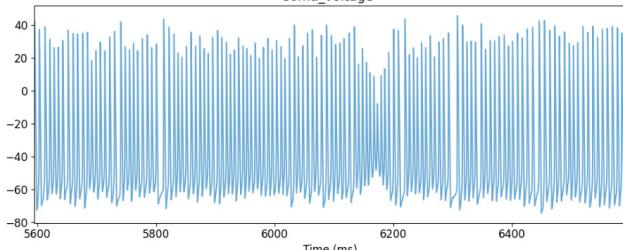
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

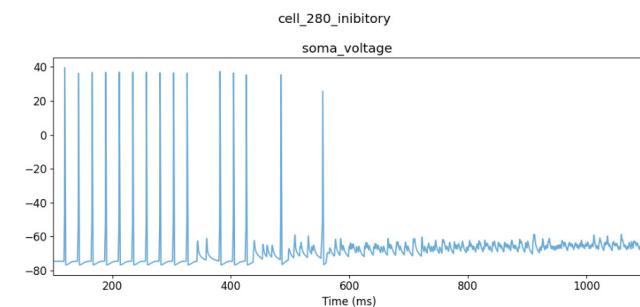
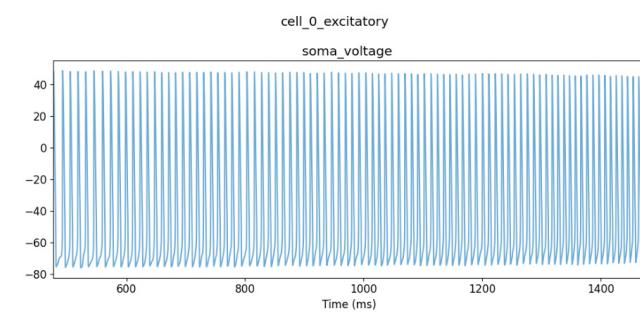
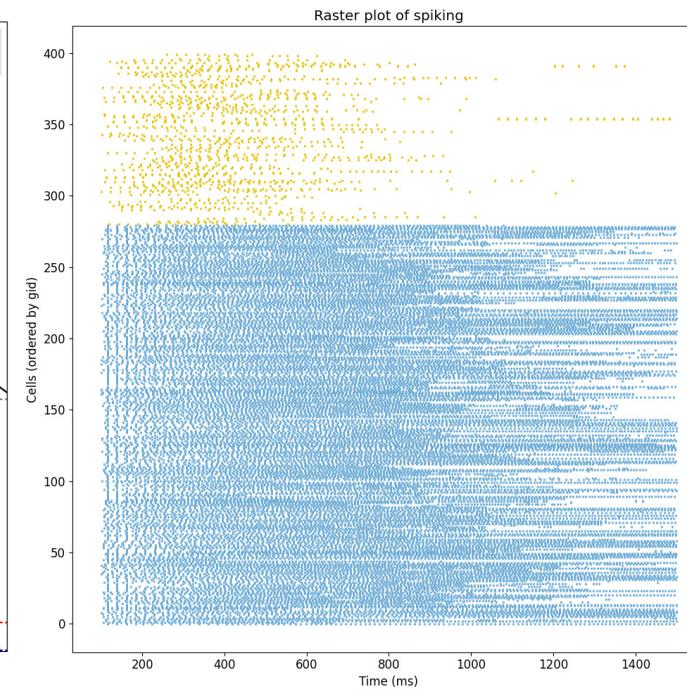
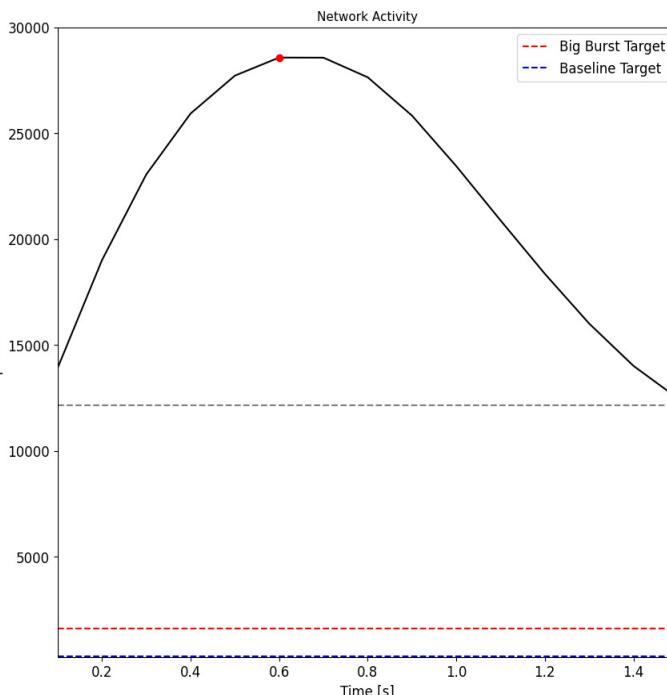
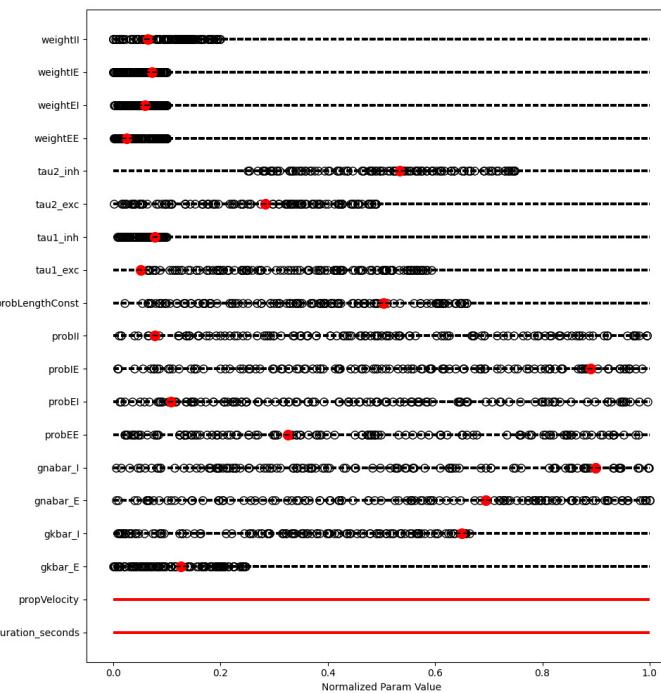
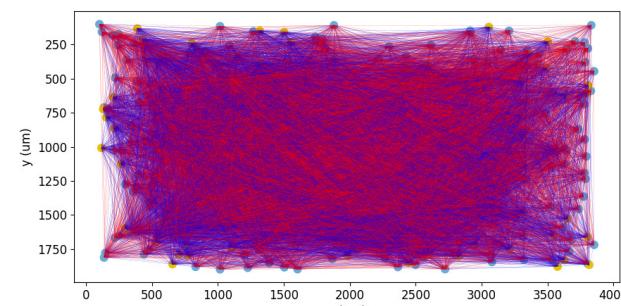


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_23_data.json
SimLabel	gen_0_cand_23
Generation Rank	26/123

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': 28572.584246503113, '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': 21694.560015641724, 'Fit': 1000}
slopeFitness	{'Value': -496.583772278435, 'Fit': 1000}
thresh	{'Value': 12132.588885007344, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 9.933774834437086, 'Fit': 1000}
E_rate_fitness	{'Value': 87.82142857142857, 'Fit': 1000}
I_rate_fitness	{'Value': 12.36111111111111, 'Fit': 1000}
maxFitness	1000
average_fitness	916.8111481938035
average_scaled_fitness	0.9166666666666666

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

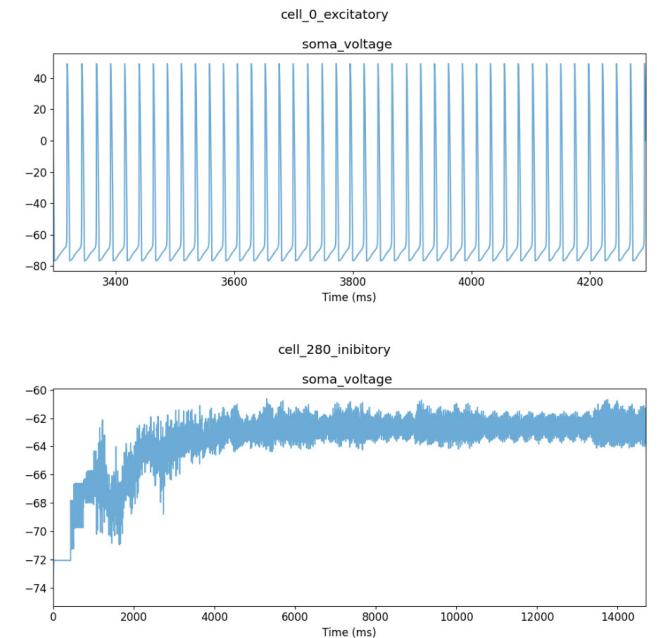
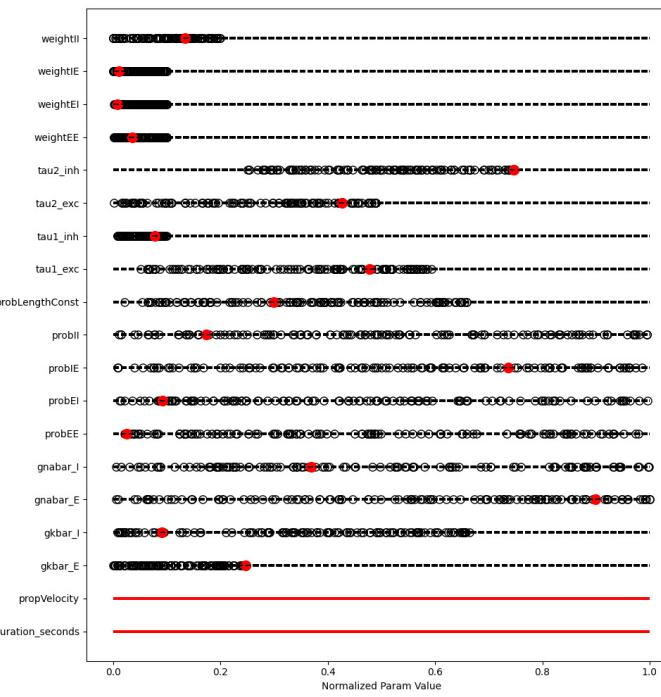
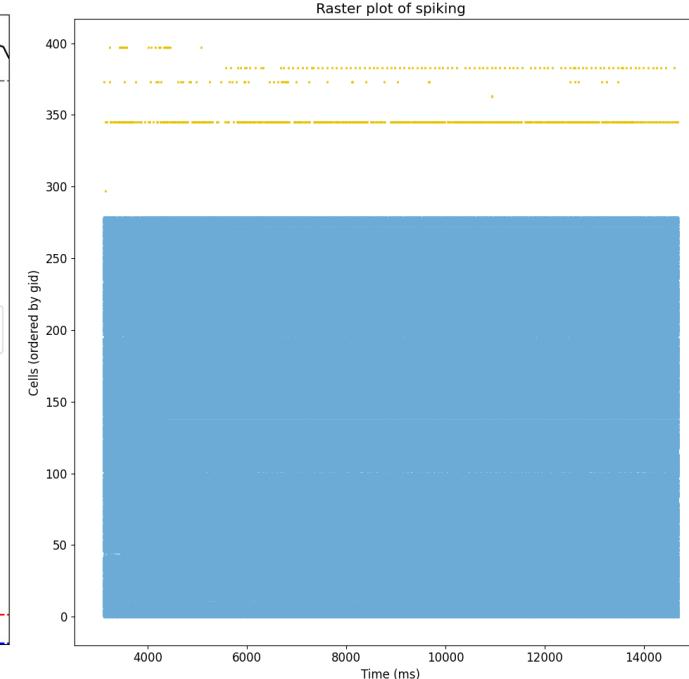
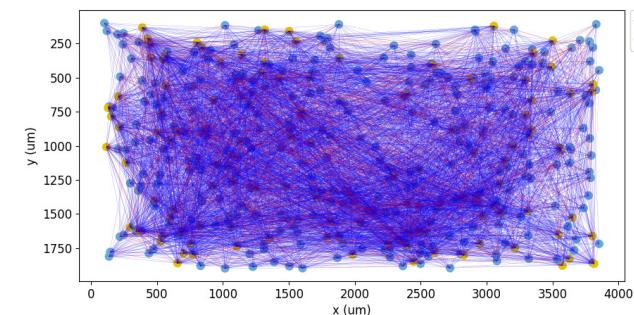


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_35_data.json
SimLabel	gen_0_cand_35
Generation Rank	19/123

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': 27998.19164590456, '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': 27889.850115496753, 'Fit': 1000}
slopeFitness	{'Value': 3.201981190881951, 'Fit': 24.51986678577319}
thresh	{'Value': 26333.056160873886, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 77.48344370860927, 'Fit': 1000}
E_rate_fitness	{'Value': 48.9047619047619, 'Fit': 1000}
I_rate_fitness	{'Value': 7.9907407407407405, 'Fit': 26.58309864191957}
maxFitness	1000
average_fitness	754.3460407591782
average_scaled_fitness	0.7540879502391554

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

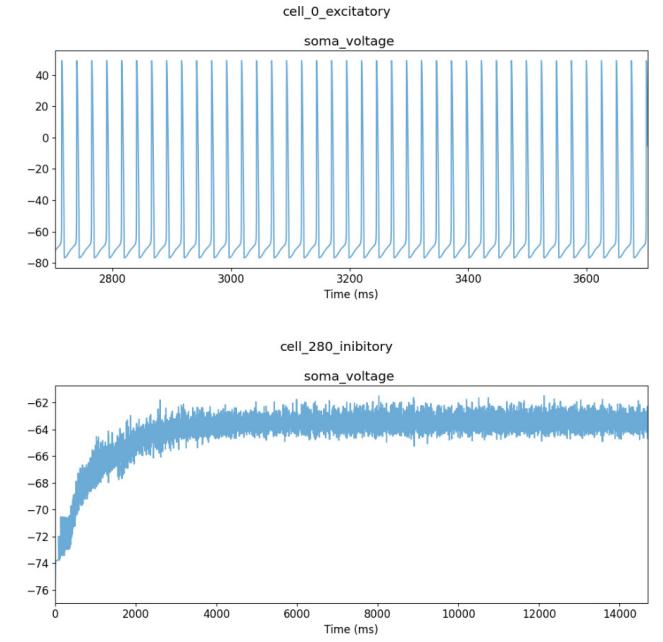
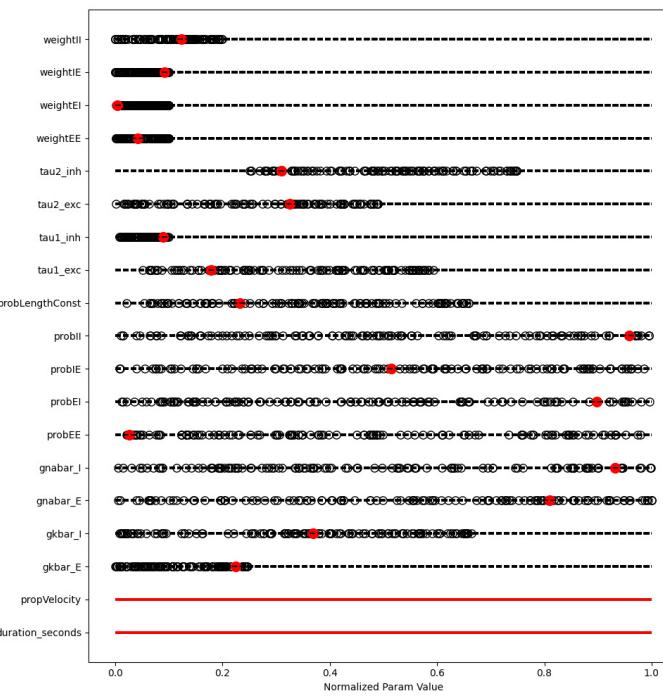
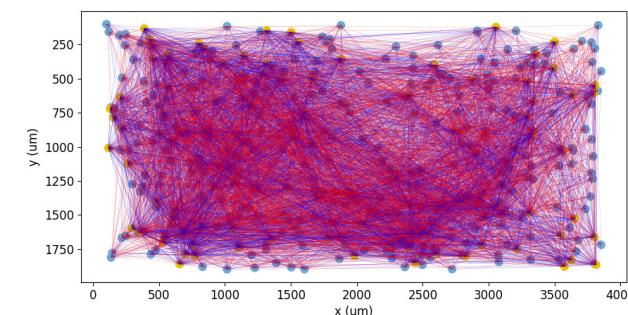


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_37/data.json
SimLabel	gen_0_cand_37
Generation Rank	23/123

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': 23656.127416562562, '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': 23542.037057977126, 'Fit': 1000}
slopeFitness	{'Value': 3.0882706918338516, 'Fit': 21.884380848885193}
thresh	{'Value': 22500.639739893413, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 80.13245033112582, 'Fit': 1000}
E_rate_fitness	{'Value': 47.62698412698413, 'Fit': 1000}
I_rate_fitness	{'Value': 1.6203703703703702, 'Fit': 1000}
maxFitness	1000
average_fitness	835.2444920442776
average_scaled_fitness	0.8350713955680135

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

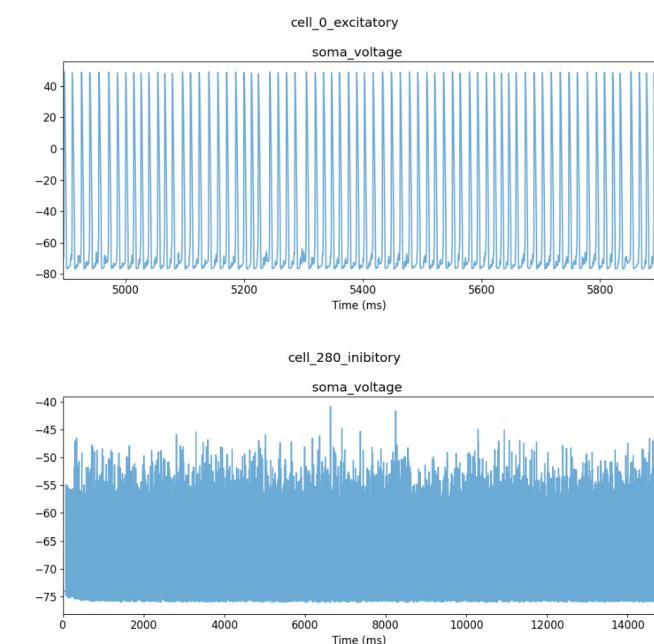
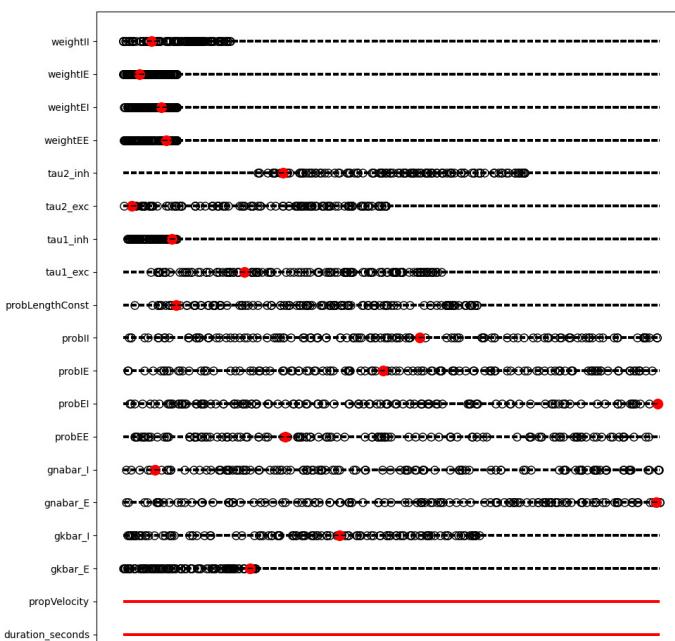
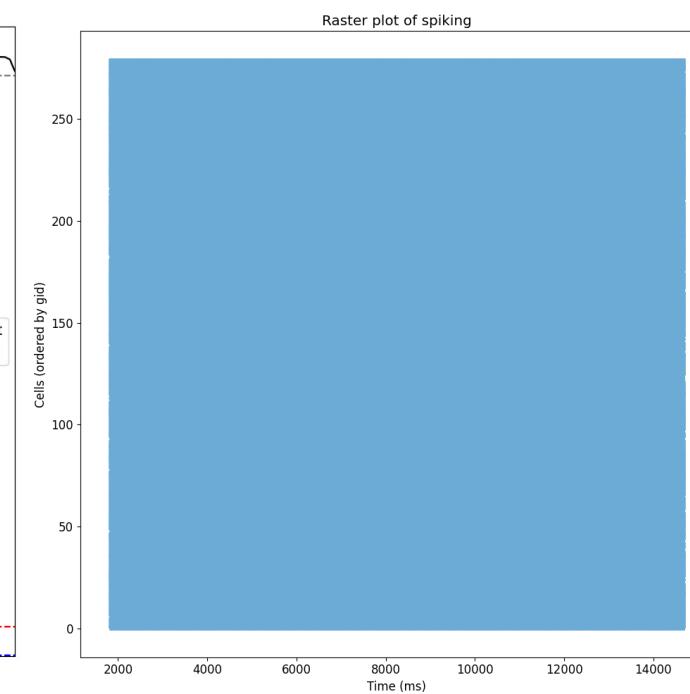
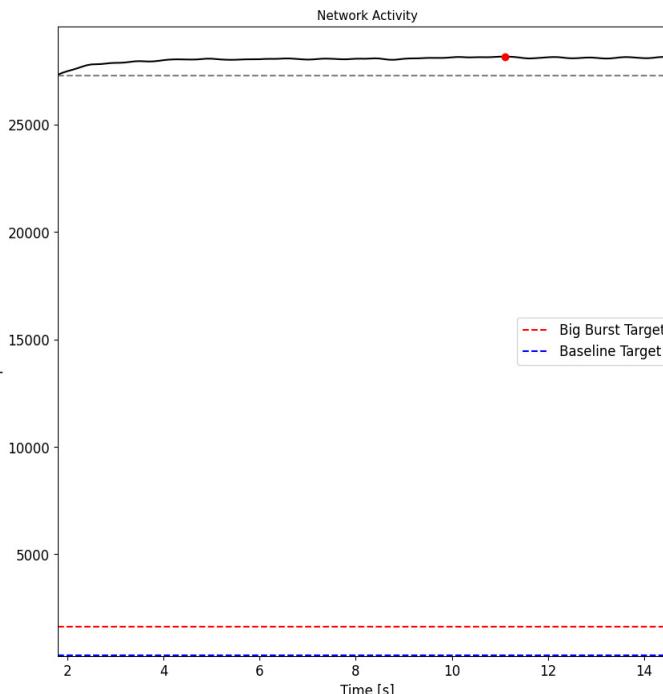


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_38_data.json
SimLabel	gen_0_cand_38
Generation Rank	21/123

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': 28162.10454168406, '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': 28022.503844836465, 'Fit': 1000}
slopeFitness	{'Value': 2.437647470368053, 'Fit': 11.417530731178406}
thresh	{'Value': 27285.302293390425, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 86.09271523178808, 'Fit': 122.77054075127252}
E_rate_fitness	{'Value': 72.08333333333333, 'Fit': 1000}
I_rate_fitness	{'Value': 0.0, 'Fit': 1000}
maxFitness	1000
average_fitness	761.2697995970747
average_scaled_fitness	0.7610189833604567

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

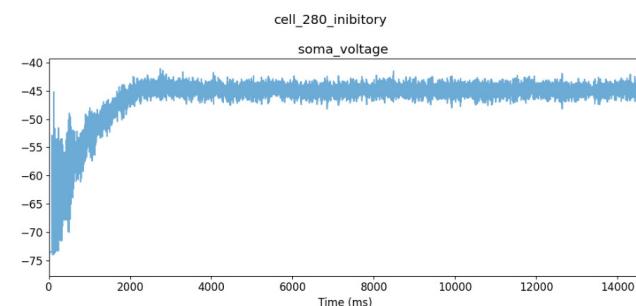
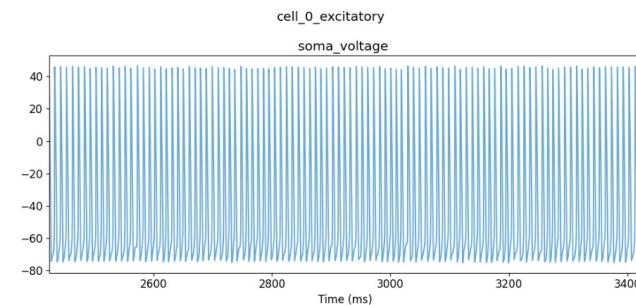
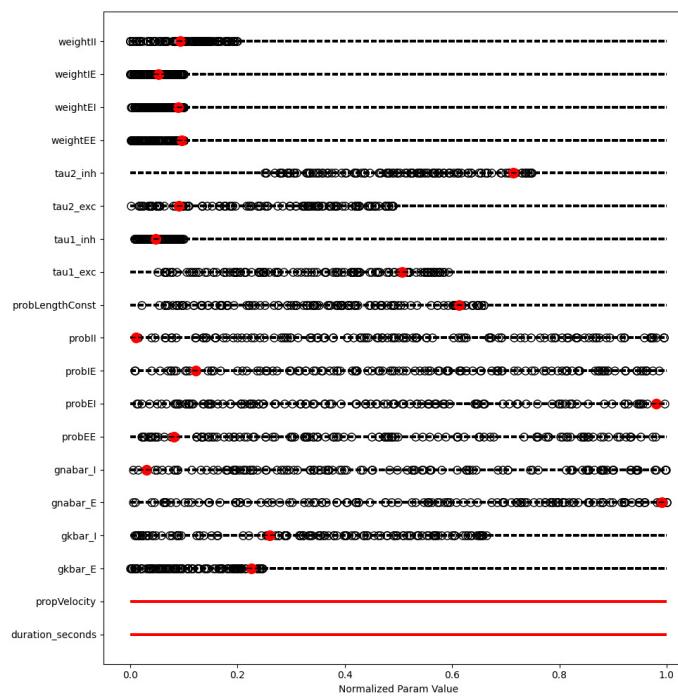
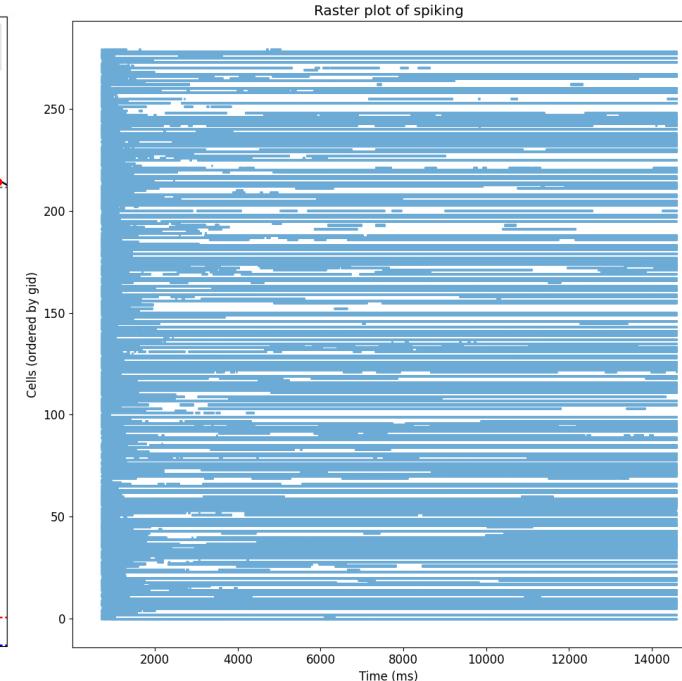
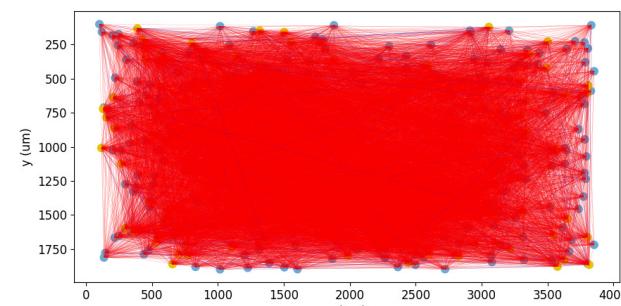


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_71_data.json
SimLabel	gen_0_cand_71
Generation Rank	18/123

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': 23785.772521874027, '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': 2.6599999999999997, 'Fit': 1.00005539079759345}
baseline_fitness	{'Value': 22675.881049872936, 'Fit': 1000}
slopeFitness	{'Value': -11.566329838526611, 'Fit': 1000}
thresh	{'Value': 22325.843062723277, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 92.71523178807946, 'Fit': 6.12390194161218}
E_rate_fitness	{'Value': 73.34126984126983, 'Fit': 1000}
I_rate_fitness	{'Value': 0.0, 'Fit': 1000}
maxFitness	1000
average_fitness	750.7055865593089
average_scaled_fitness	0.7504559042390831

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

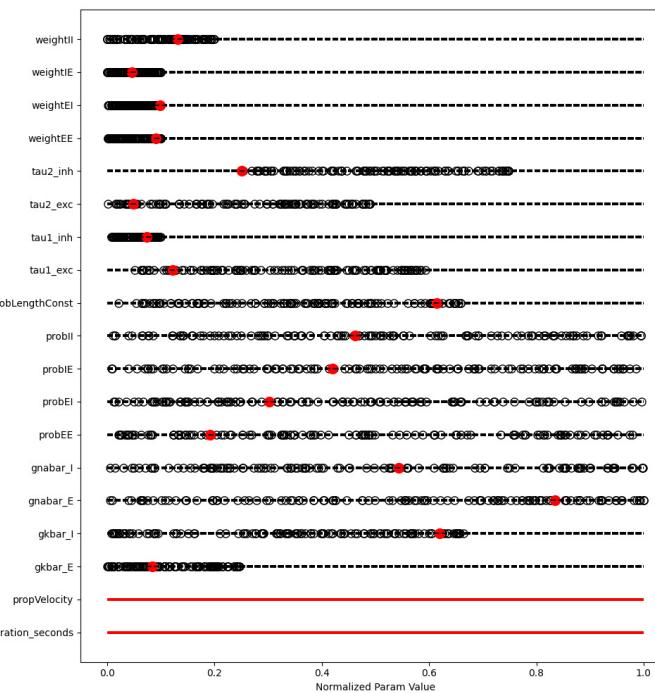
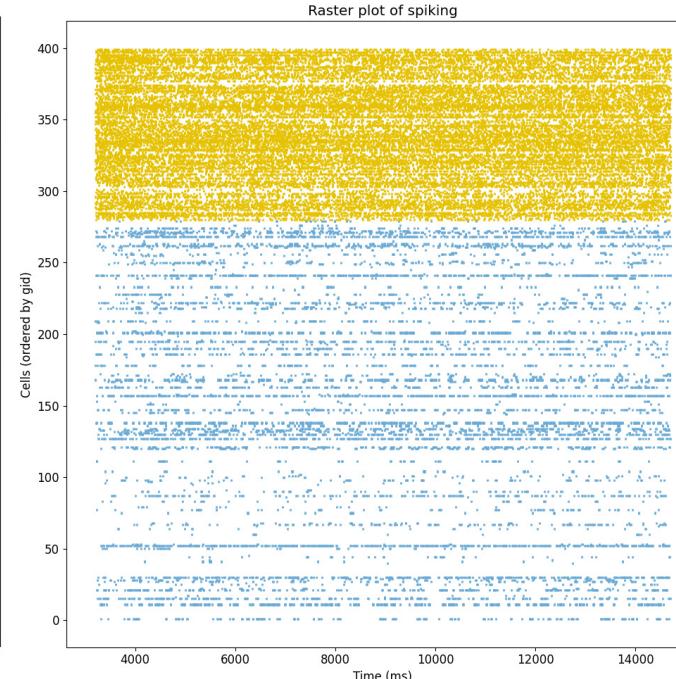
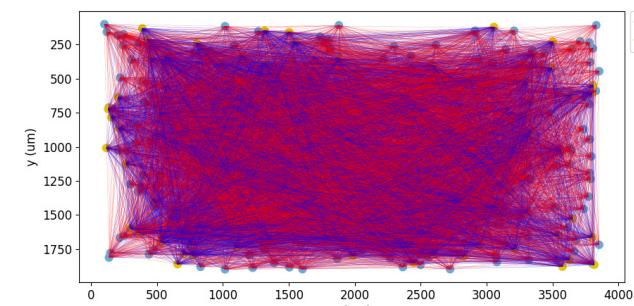


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_72_data.json
SimLabel	gen_0_cand_72
Generation Rank	15/123

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}}

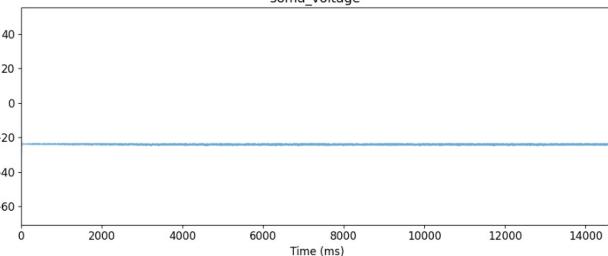
Metric	Value
BigBurstVal_Fitness	{'Value': 3087.3857401175846, 'Fit': 1000.0}
numBig_Fitness	{'Value': 2, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.13605442176870747, 'Fit': 1.0198859276502217}
IBI_fitness	{'Value': 4.6, 'Fit': 1.0003785720920055}
baseline_fitness	{'Value': 2870.0421757350664, 'Fit': 1000}
slopeFitness	{'Value': -1.1477952670002285, 'Fit': 3.159117699865082}
thresh	{'Value': 2683.047387419448, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 76.82119205298014, 'Fit': 1000}
E_rate_fitness	{'Value': 0.003968253968253968, 'Fit': 2.39503636085195}
I_rate_fitness	{'Value': 15.935185185185185, 'Fit': 1000}
maxFitness	1000
average_fitness	667.2978682133717
average_scaled_fitness	0.6669647068423462

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



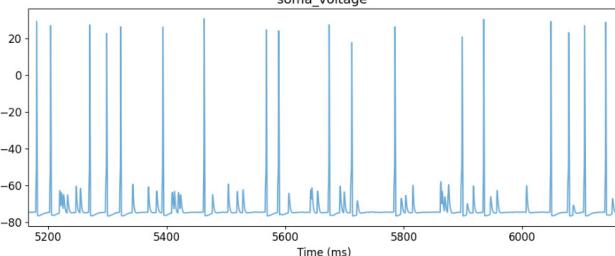
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

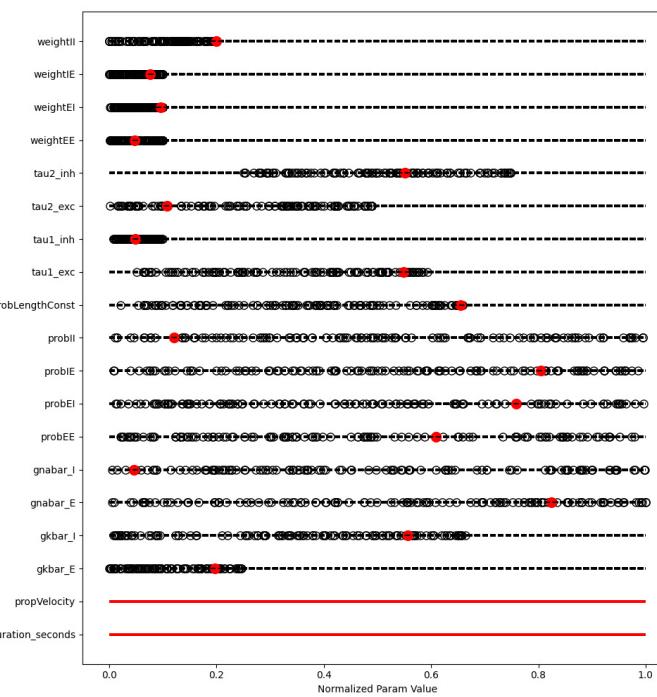
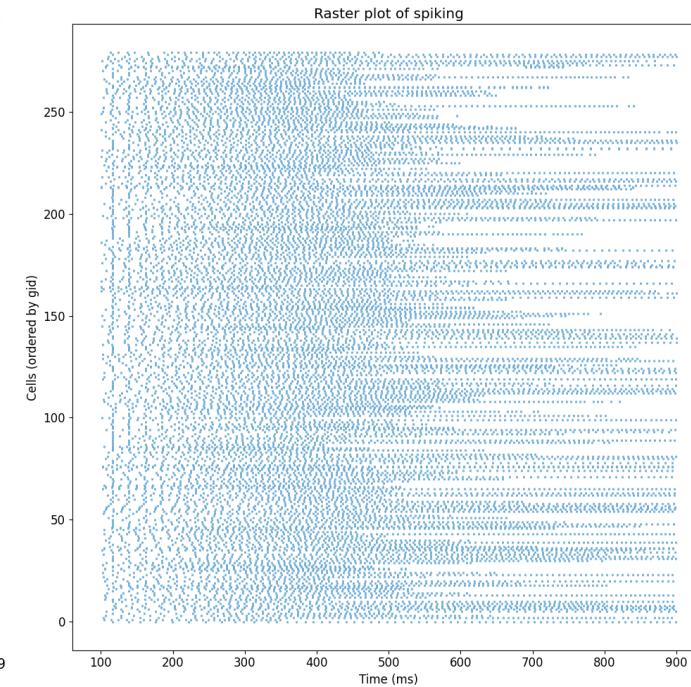
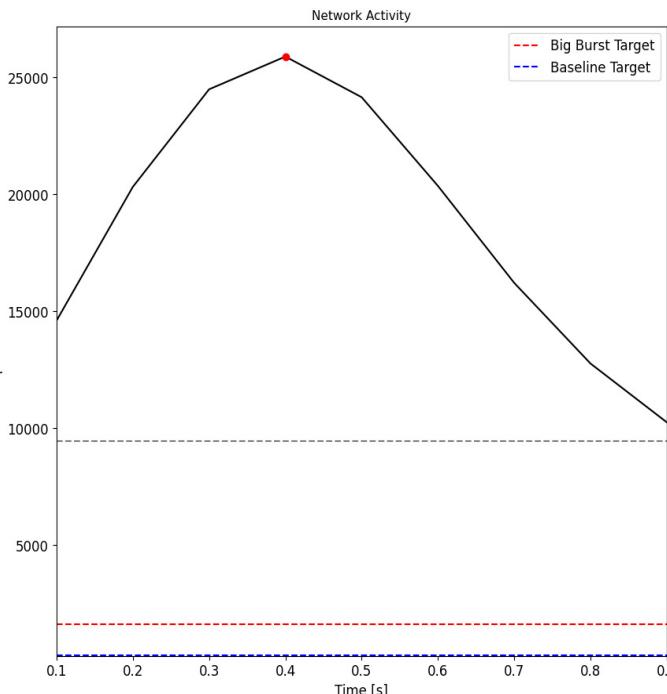


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_76_data.json
SimLabel	gen_0_cand_76
Generation Rank	80/123

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}}

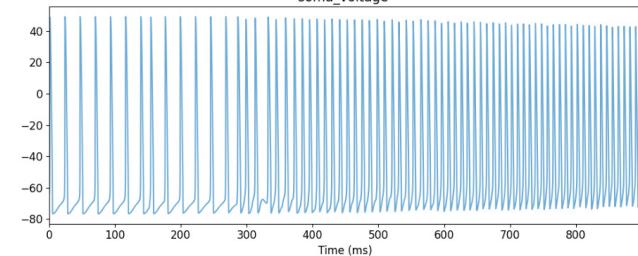
Metric	Value
BigBurstVal_Fitness	{'Value': 25887.08075238565, 'Fit': 1000.0}
numBig_Fitness	{'Value': 1, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 1.111111111111112, 'Fit': 1000}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 18779.887446630586, 'Fit': 1000}
slopeFitness	{'Value': -1035.2440144195068, 'Fit': 1000}
thresh	{'Value': 9436.10498326474, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 5.960264900662252, 'Fit': 1000}
E_rate_fitness	{'Value': 69.28174603174602, 'Fit': 1000}
I_rate_fitness	{'Value': 0.0, 'Fit': 1000}
maxFitness	1000
average_fitness	1000.0
average_scaled_fitness	1.0

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



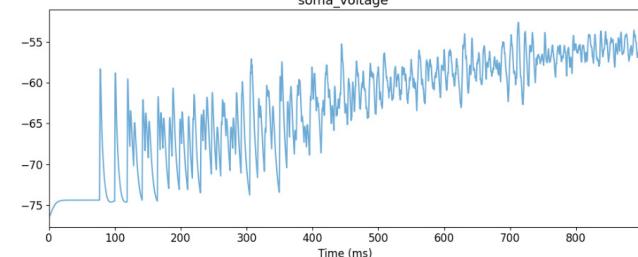
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

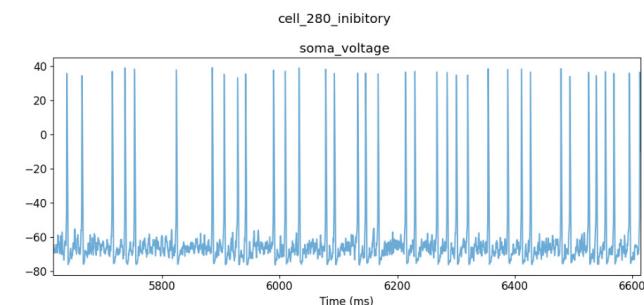
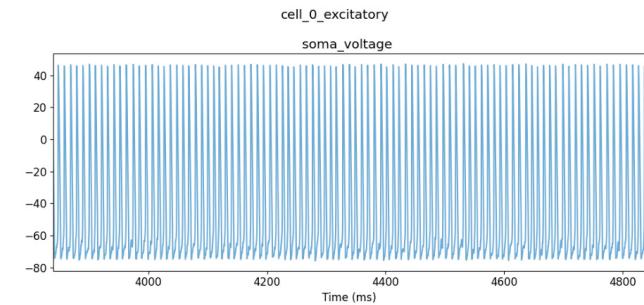
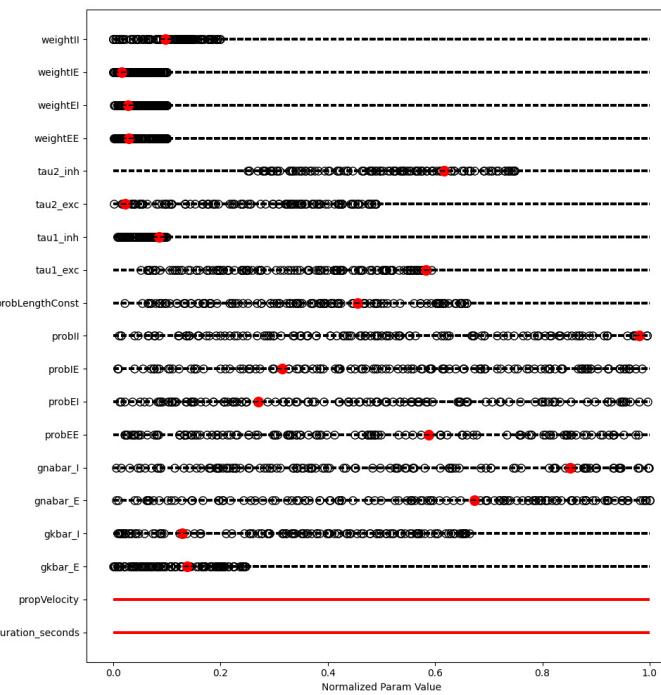
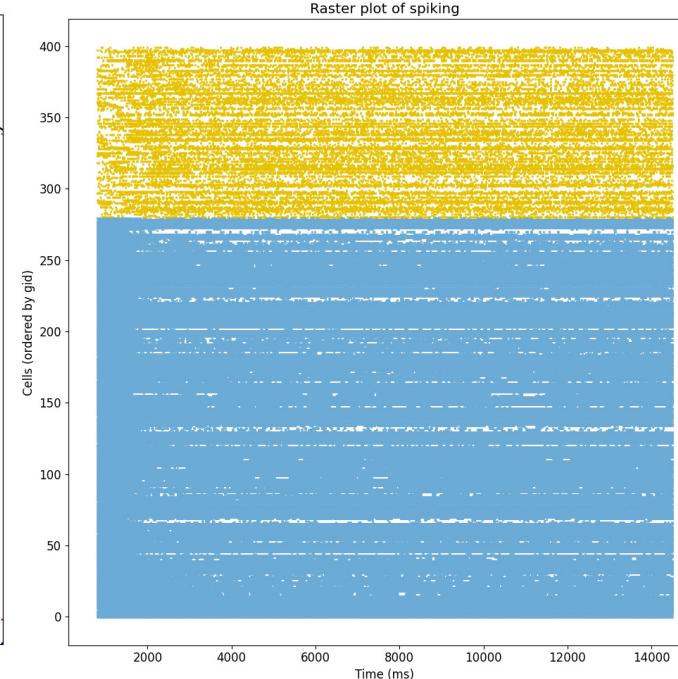
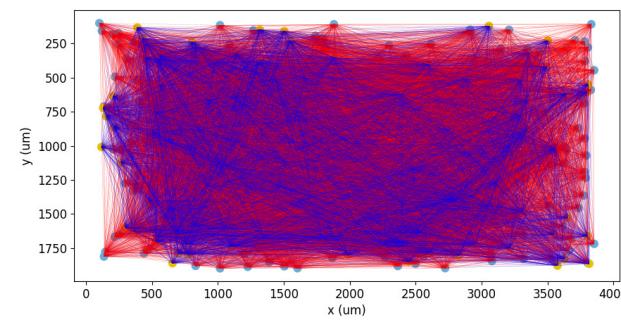


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_83/data.json
SimLabel	gen_0_cand_83
Generation Rank	17/123

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': 29968.353062049646, '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': 0.6206896551724138, 'Fit': 1.6558691196447686}
IBI_fitness	{'Value': 1.475, 'Fit': 1.0006610139854772}
baseline_fitness	{'Value': 29406.31812429663, 'Fit': 1000}
slopeFitness	{'Value': -9.665807294170458, 'Fit': 1000}
thresh	{'Value': 28952.68711355376, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 91.3907284768212, 'Fit': 1.6285599437908804}
E_rate_fitness	{'Value': 85.08730158730158, 'Fit': 1000}
I_rate_fitness	{'Value': 23.814814814814813, 'Fit': 1000}
maxFitness	1000
average_fitness	750.3570908397851
average_scaled_fitness	0.7501070326897286

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

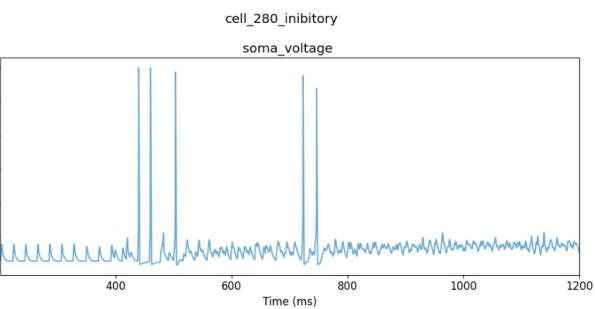
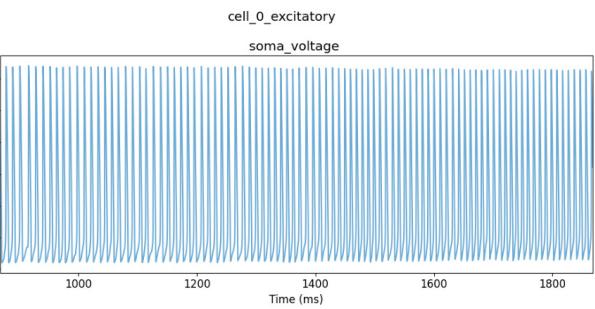
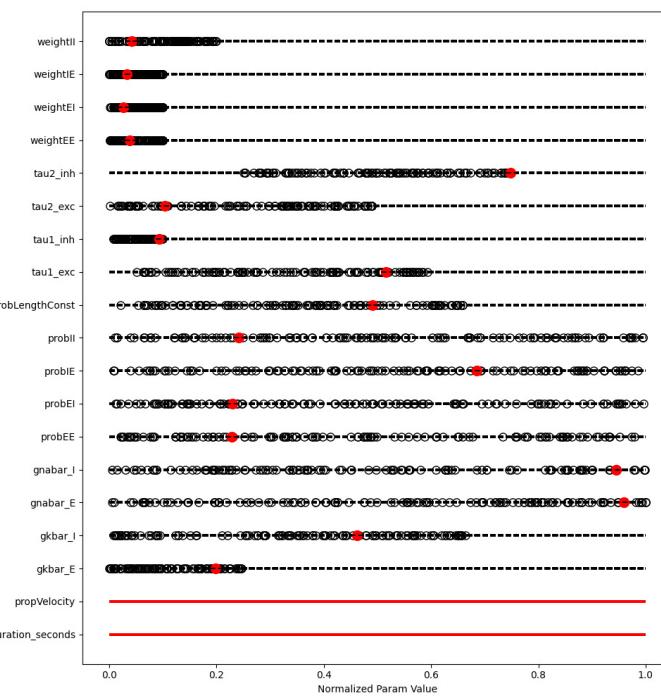
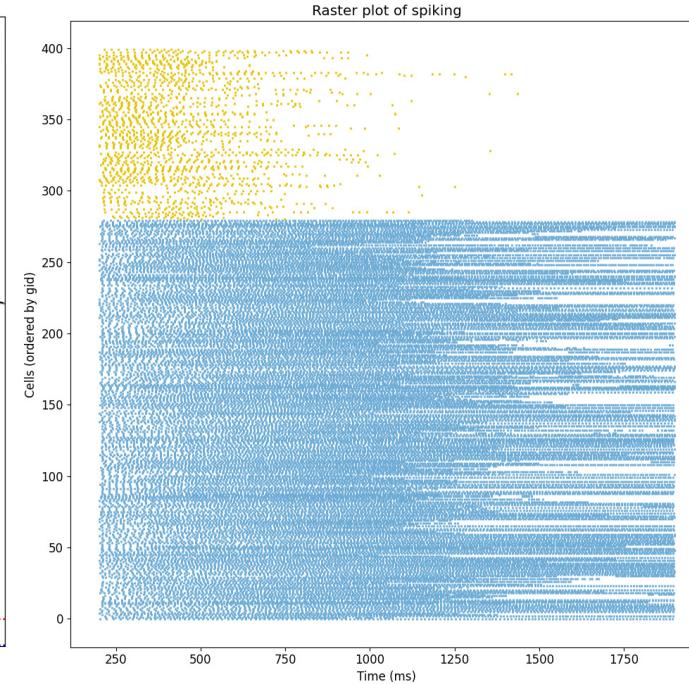
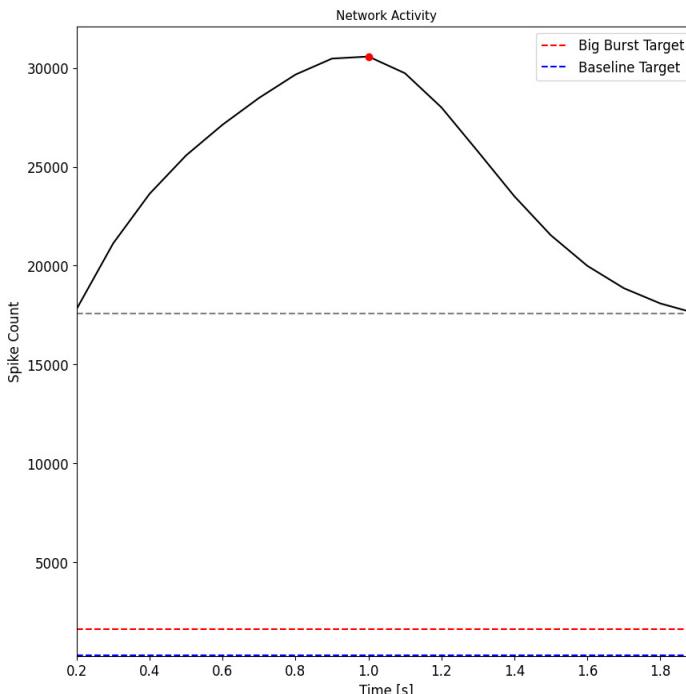
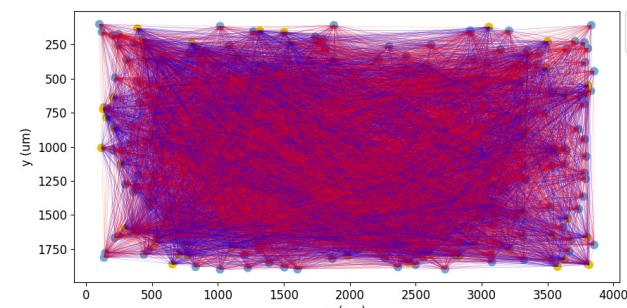


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_92_data.json
SimLabel	gen_0_cand_92
Generation Rank	25/123

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': 30574.43966229099, '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': 0.5263157894736842, 'Fit': 1.5067456902928815}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 24308.147056005855, 'Fit': 1000}
slopeFitness	{'Value': -295.1690344733639, 'Fit': 1000}
thresh	{'Value': 17568.54177418322, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 11.920529801324504, 'Fit': 1000}
E_rate_fitness	{'Value': 84.46031746031747, 'Fit': 1000}
I_rate_fitness	{'Value': 17.62962962962963, 'Fit': 1000}
maxFitness	1000
average_fitness	916.792228075243
average_scaled_fitness	0.9166666666666666

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

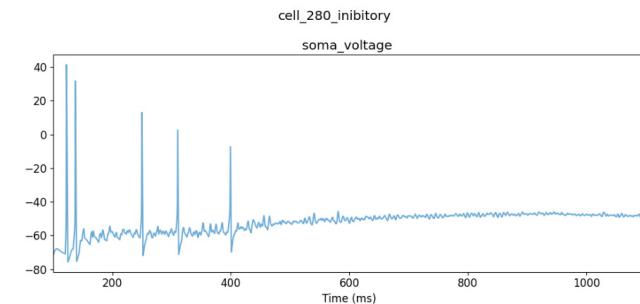
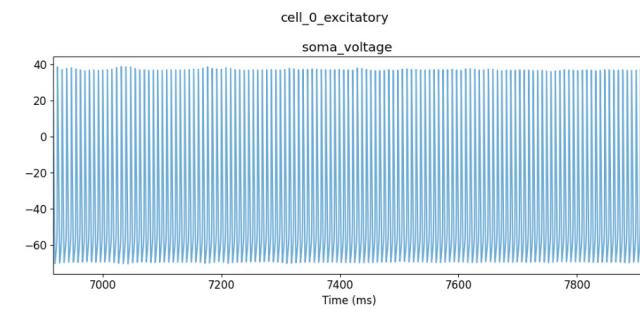
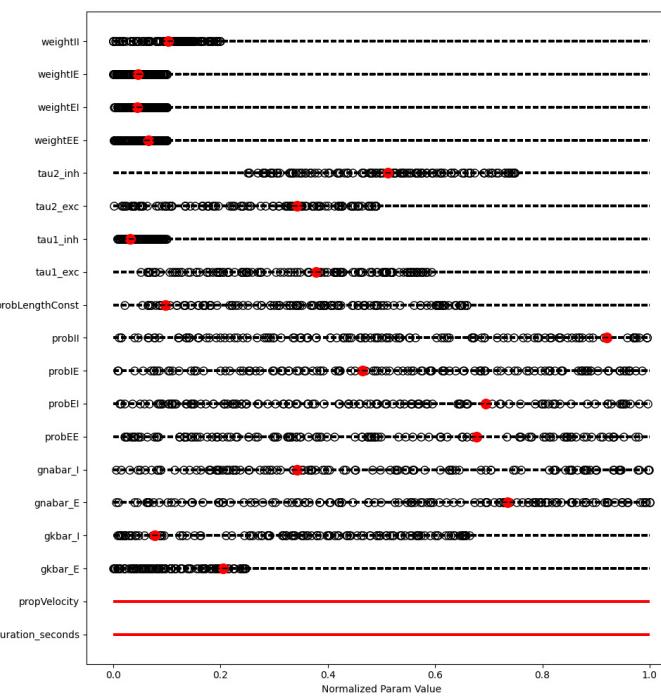
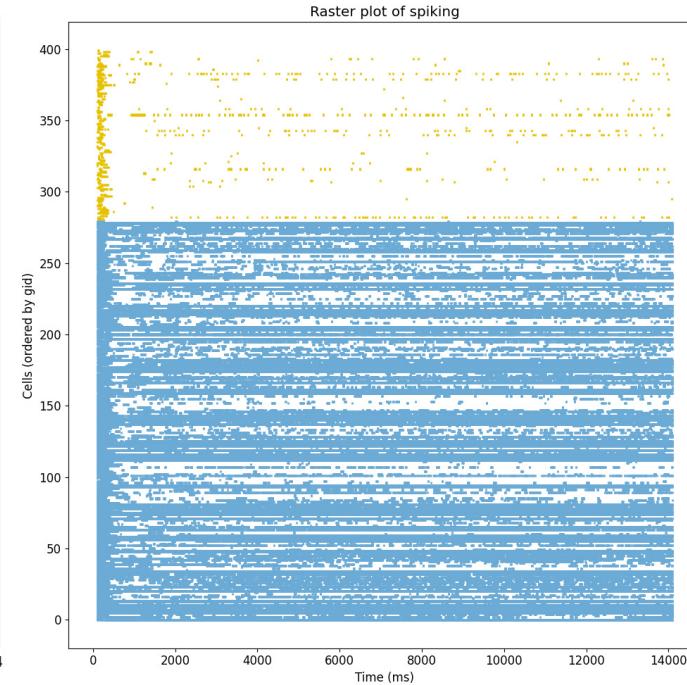
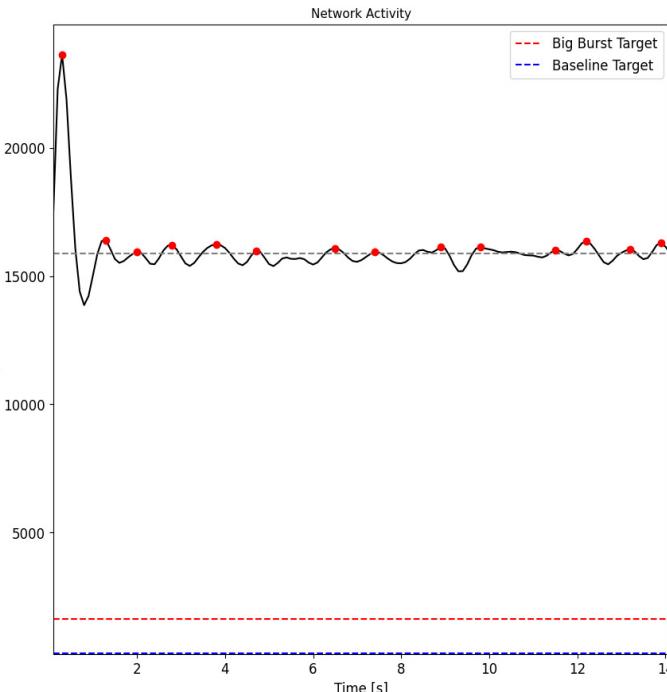


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_101_data.json
SimLabel	gen_0_cand_101
Generation Rank	14/123

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': 16670.34695351406, 'Fit': 1000.0}
numBig_Fitness	{'Value': 14, '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': 0.9929078014184396, 'Fit': 2.4025824148335015}
IBI_fitness	{'Value': 1.0461538461538462, 'Fit': 1.0006997796940222}
baseline_fitness	{'Value': 15965.29686227641, 'Fit': 1000}
slopeFitness	{'Value': -4.9611197253039165, 'Fit': 143.1105255996606}
thresh	{'Value': 15882.154988931314, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 93.37748344370861, 'Fit': 11.875187284818281}
E_rate_fitness	{'Value': 66.44047619047619, 'Fit': 1000}
I_rate_fitness	{'Value': 4.472222222222222, 'Fit': 1.2690173922026566}
maxFitness	1000
average_fitness	596.638167705934
average_scaled_fitness	0.5962341192780477

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

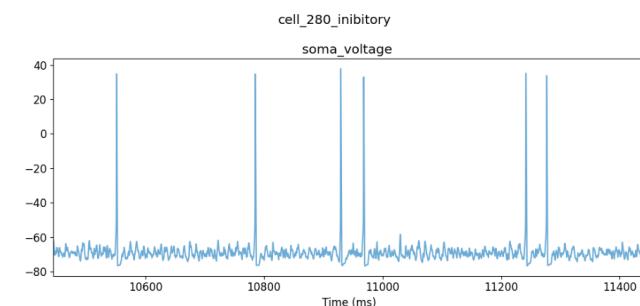
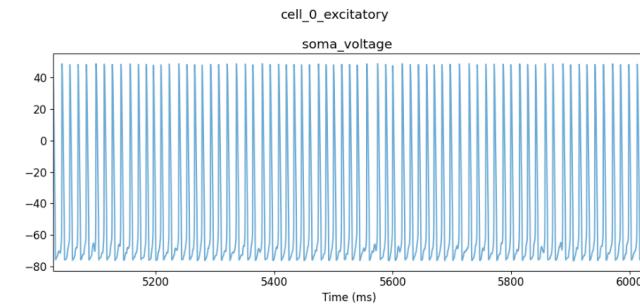
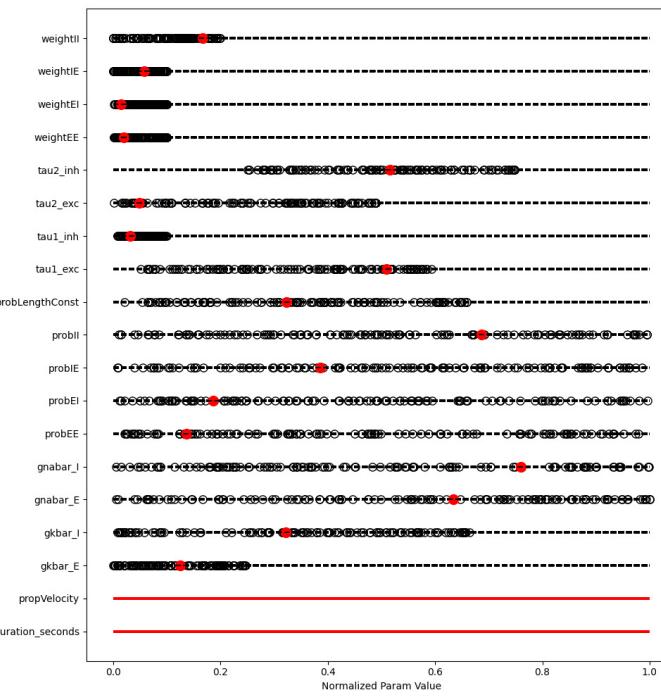
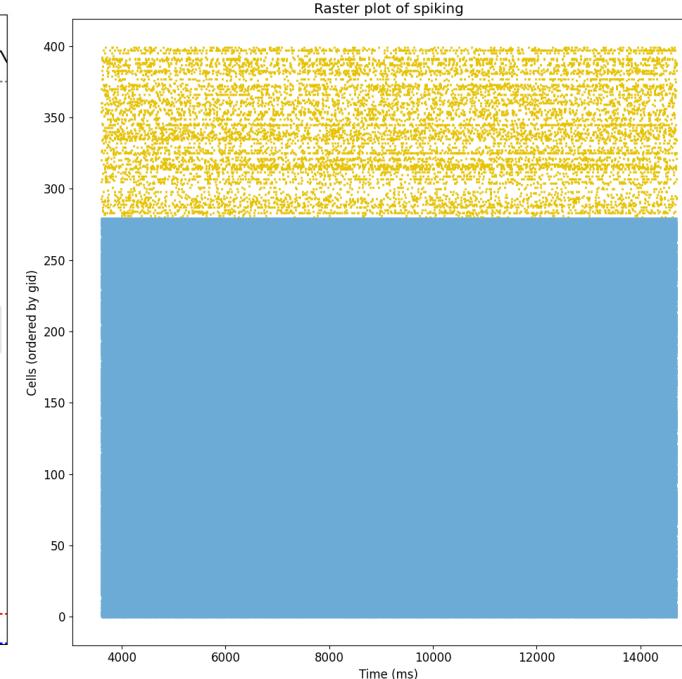
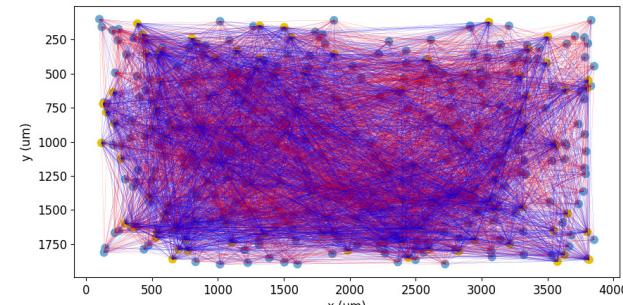


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_106_data.json
SimLabel	gen_0_cand_106
Generation Rank	24/123

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': 27599.58011883923, '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': 27295.901544961172, 'Fit': 1000}
slopeFitness	{'Value': 7.020568818272129, 'Fit': 1000}
thresh	{'Value': 25925.226800574943, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 74.17218543046357, 'Fit': 1000}
E_rate_fitness	{'Value': 52.039682539682545, 'Fit': 1000}
I_rate_fitness	{'Value': 13.583333333333332, 'Fit': 1000}
maxFitness	1000
average_fitness	916.7541269735372
average_scaled_fitness	0.9166666666666666

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

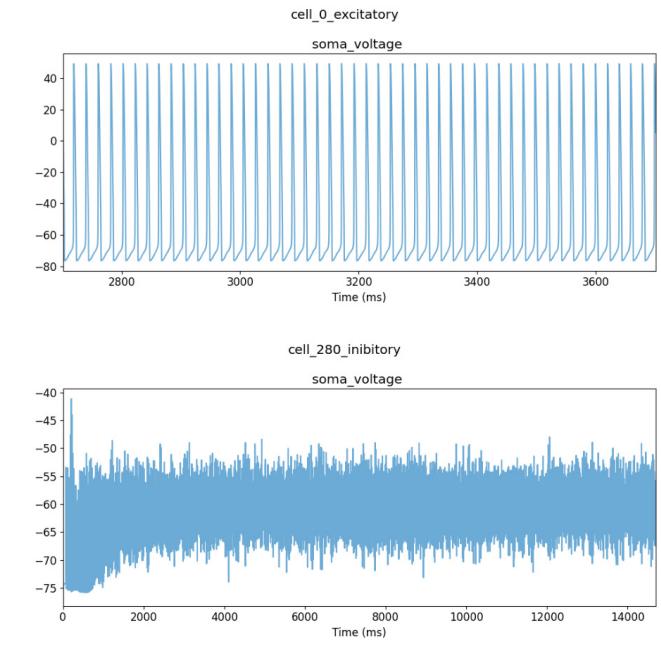
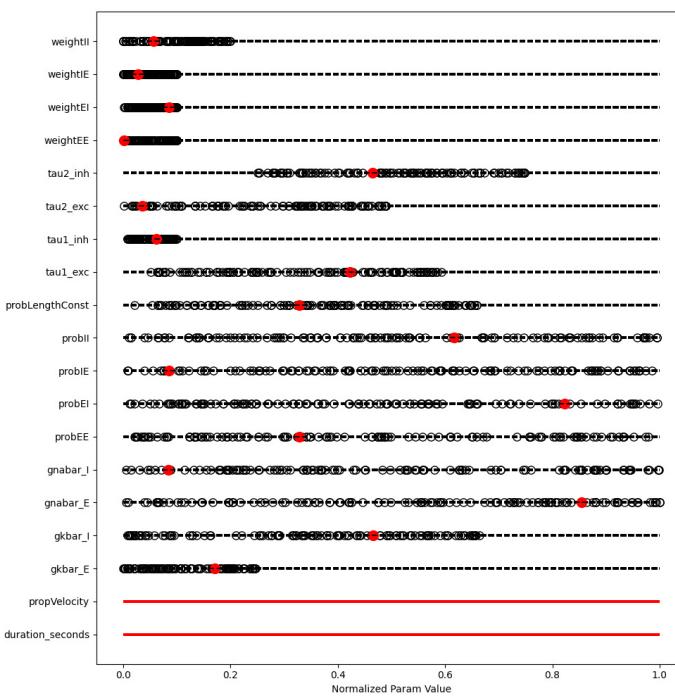
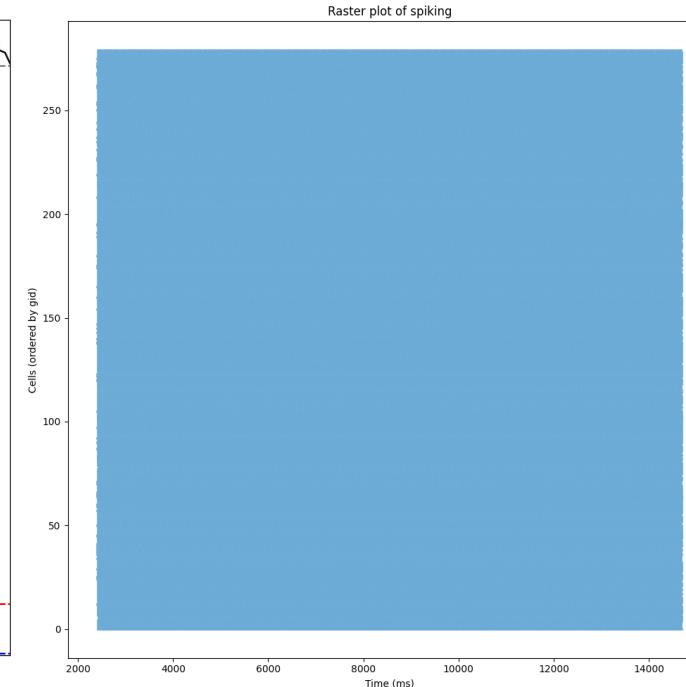
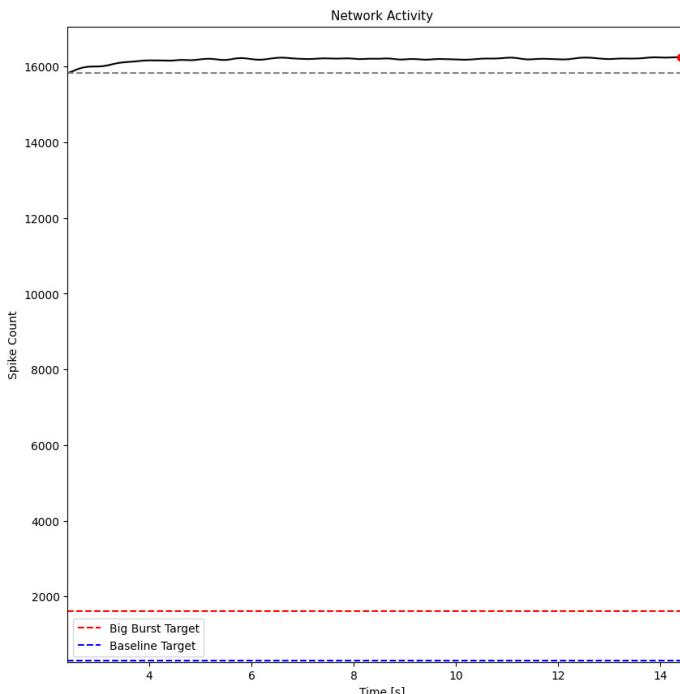


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_109_data.json
SimLabel	gen_0_cand_109
Generation Rank	22/123

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': 16247.911012655737, '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': 16181.769060303277, 'Fit': 1000}
slopeFitness	{'Value': 1.1055760308345841, 'Fit': 3.0134286537747292}
thresh	{'Value': 15822.215970690628, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 82.11920529801324, 'Fit': 1000}
E_rate_fitness	{'Value': 48.90079365079365, 'Fit': 1000}
I_rate_fitness	{'Value': 0.0, 'Fit': 1000}
maxFitness	1000
average_fitness	833.671912694685
average_scaled_fitness	0.8334971640251351

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

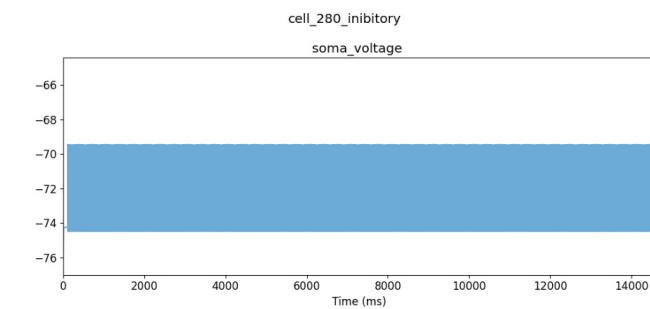
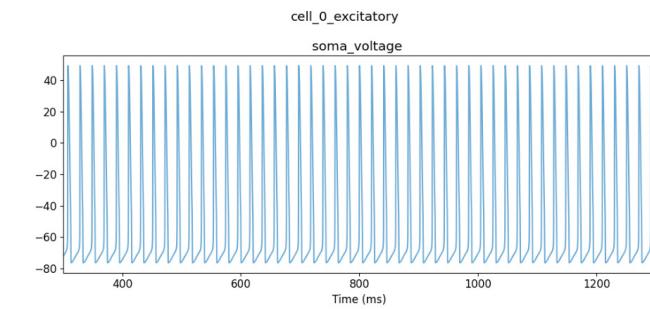
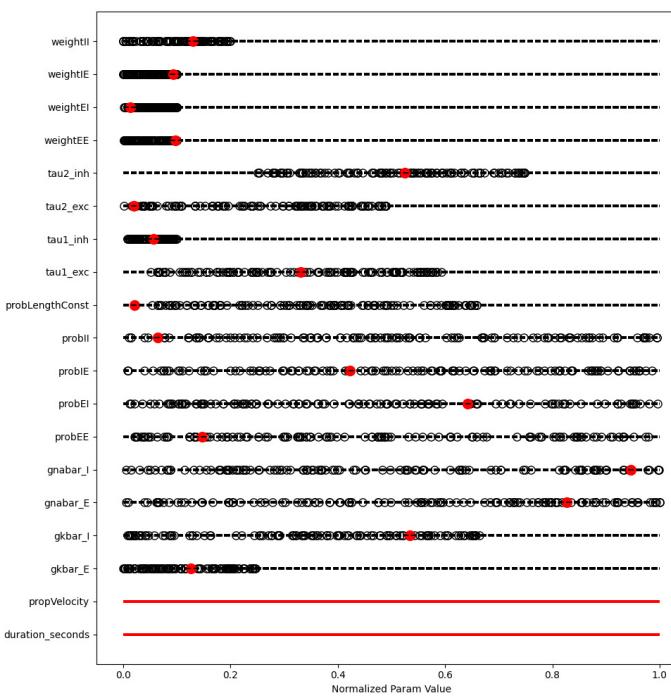
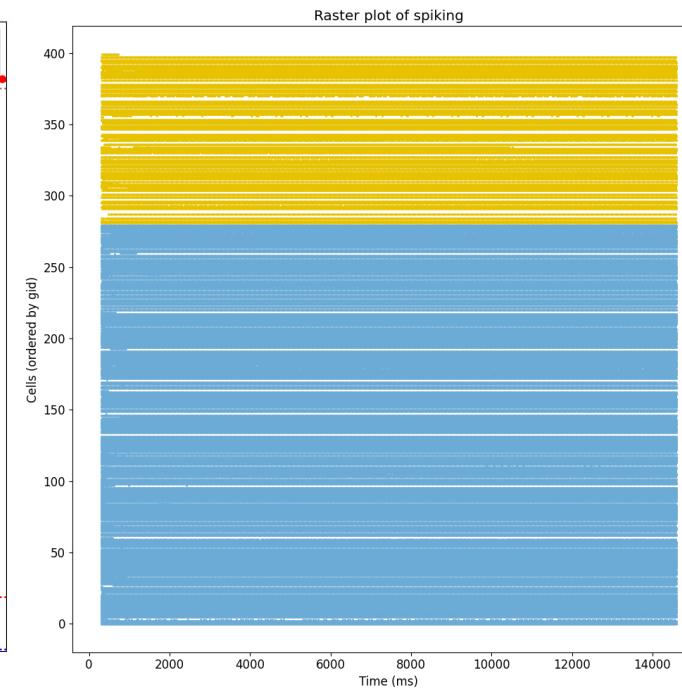
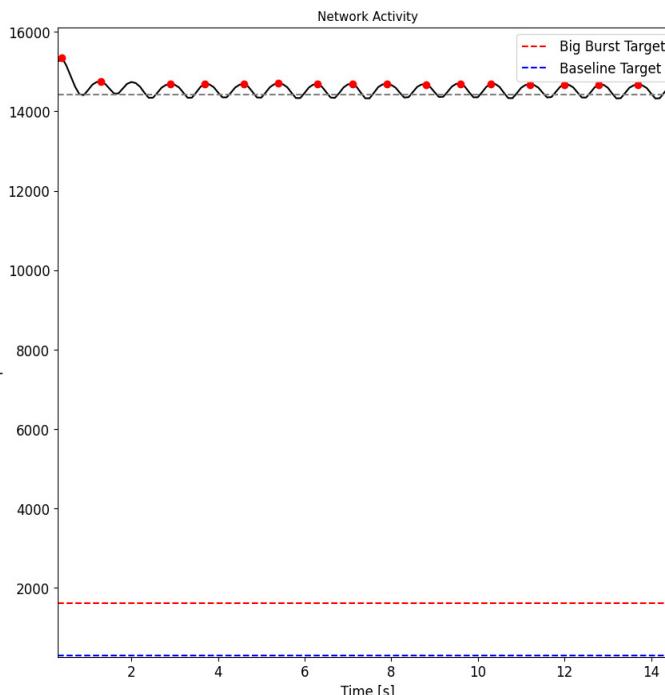


Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_111_data.json
SimLabel	gen_0_cand_111
Generation Rank	20/123

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': 14722.573447135388, 'Fit': 1000.0}
numBig_Fitness	{'Value': 17, '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': 1.1643835616438356, 'Fit': 1000}
IBI_fitness	{'Value': 0.88125, 'Fit': 1.0007146863150749}
baseline_fitness	{'Value': 14553.857461482829, 'Fit': 1000}
slopeFitness	{'Value': -0.9527550301033887, 'Fit': 2.599326941373014}
thresh	{'Value': 14430.11424014413, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 95.36423841059603, 'Fit': 86.59188357614293}
E_rate_fitness	{'Value': 42.583333333333336, 'Fit': 1000}
I_rate_fitness	{'Value': 25.89814814814815, 'Fit': 1000}
maxFitness	1000
average_fitness	757.515993766986
average_scaled_fitness	0.7572730933867743

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



Description	Value
Data Directory	/NERSC/output/240511_Run29_64proc/gen_0/gen_0_cand_127_data.json
SimLabel	gen_0_cand_127
Generation Rank	16/123

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': 4.7104651163, 'min': 0}, 'I': {'target': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 14895.11504002581, 'Fit': 1000.0}
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': 0.5673758865248226, 'Fit': 1.5699005135097452}
IBI_fitness	{'Value': 1.9714285714285718, 'Fit': 1.000616143526042}
baseline_fitness	{'Value': 13425.924590783088, 'Fit': 1000}
slopeFitness	{'Value': -8.415988373827314, 'Fit': 1000}
thresh	{'Value': 13414.973478494385, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 93.37748344370861, 'Fit': 11.875187284818281}
E_rate_fitness	{'Value': 62.11904761904762, 'Fit': 1000}
I_rate_fitness	{'Value': 2.694444444444444, 'Fit': 7.508387070887023}
maxFitness	1000
average_fitness	668.4961742510617
average_scaled_fitness	0.6681641339264676

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

