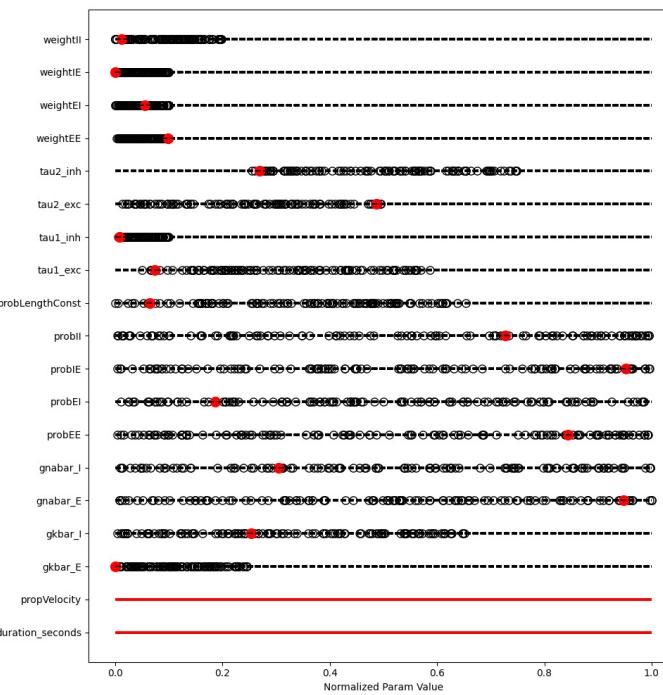
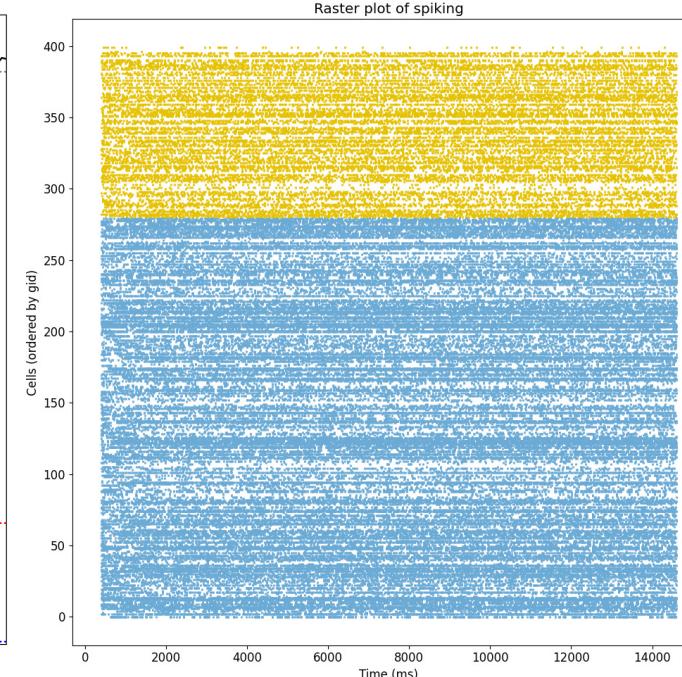
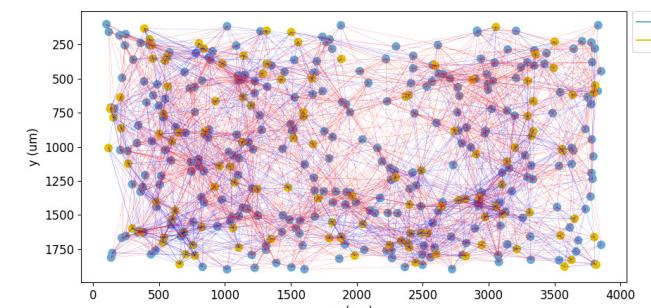


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_0/data.json
SimLabel	gen_0_cand_0
Generation Rank	13/119

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}}

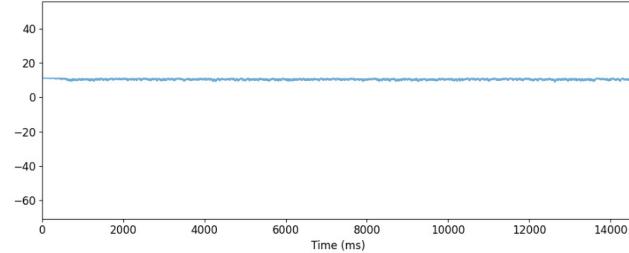
Metric	Value
BigBurstVal_Fitness	{'Value': 6816.756188836211, 'Fit': 1000.0}
numBig_Fitness	{'Value': 11, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.7534246575342465, '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



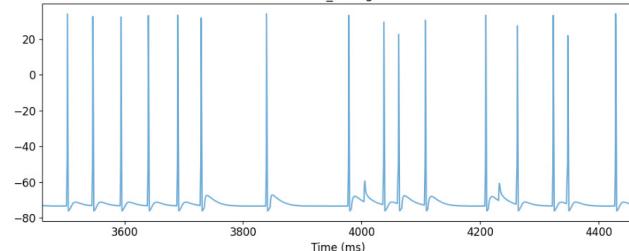
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

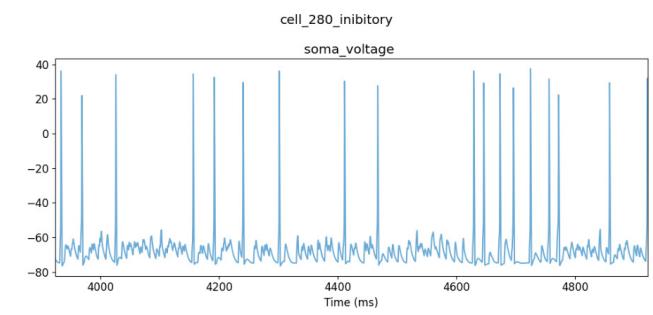
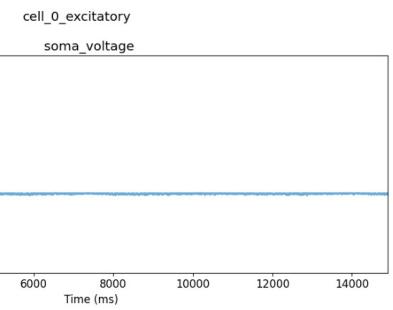
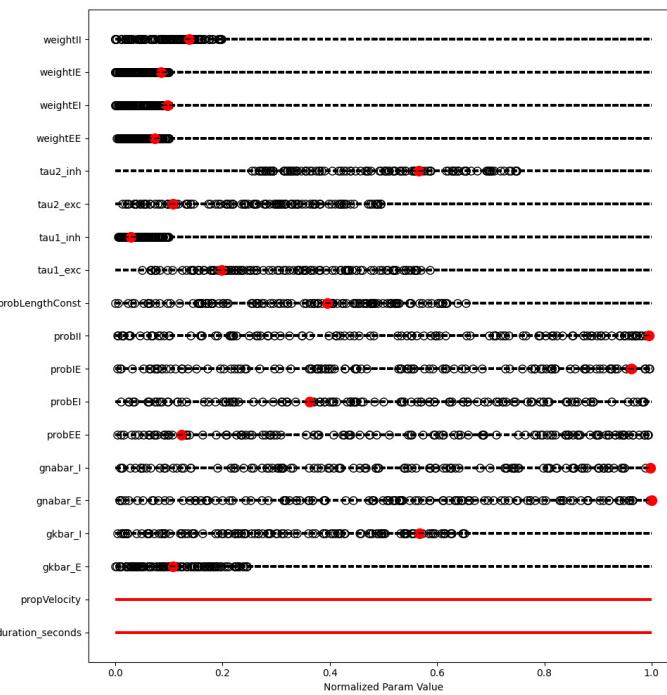
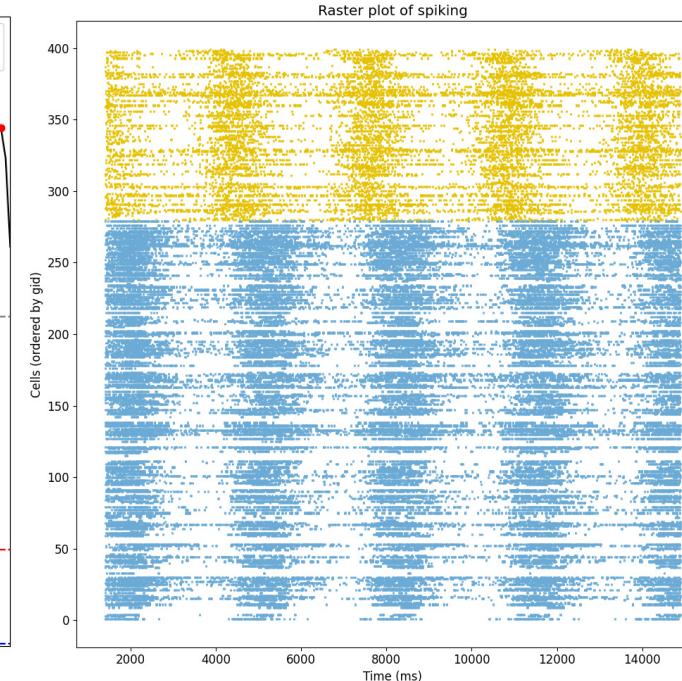
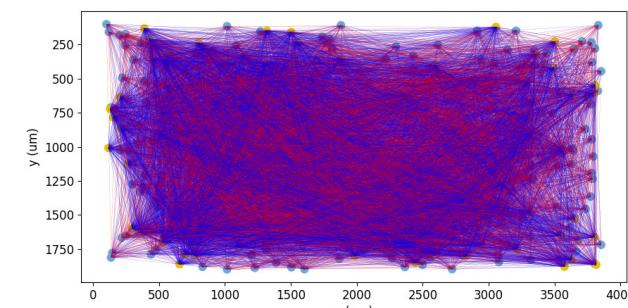


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_1/data.json
SimLabel	gen_0_cand_1
Generation Rank	11/119

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

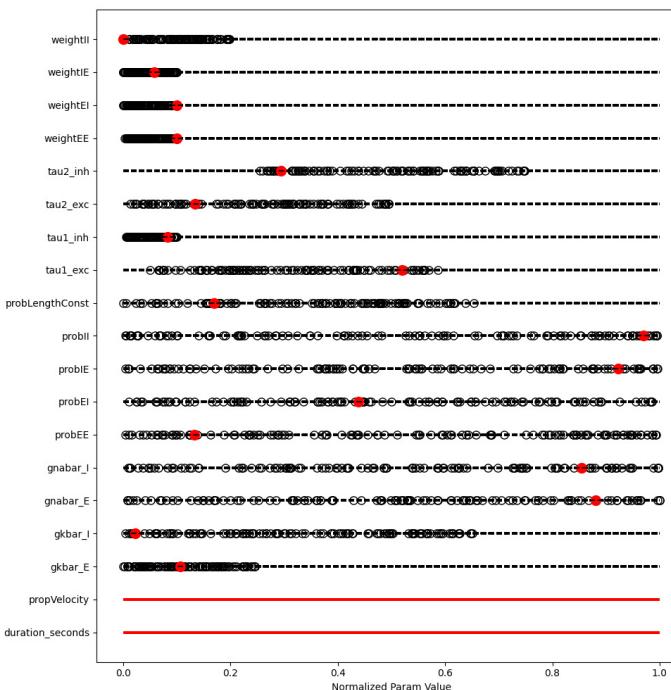
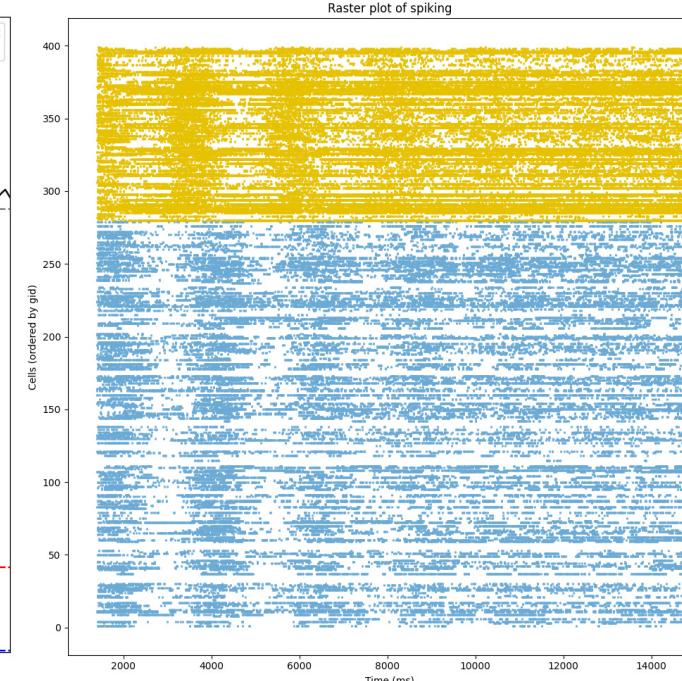
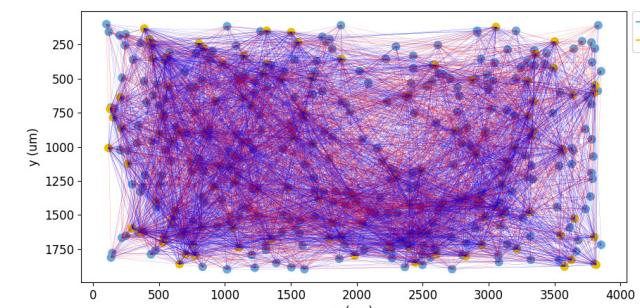


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_2_data.json
SimLabel	gen_0_cand_2
Generation Rank	3/119

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': 1.00005918646855756}
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

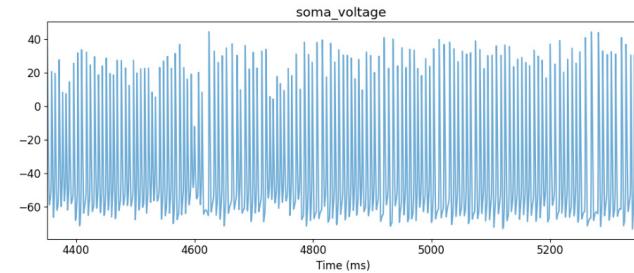
Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



cell_0_excitatory



cell_280_inhibitory

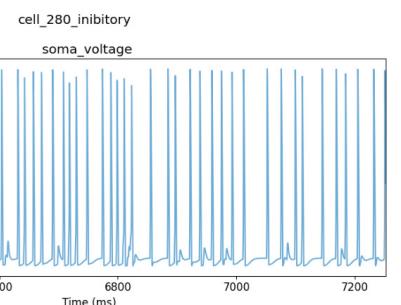
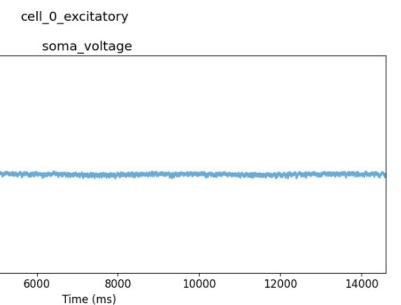
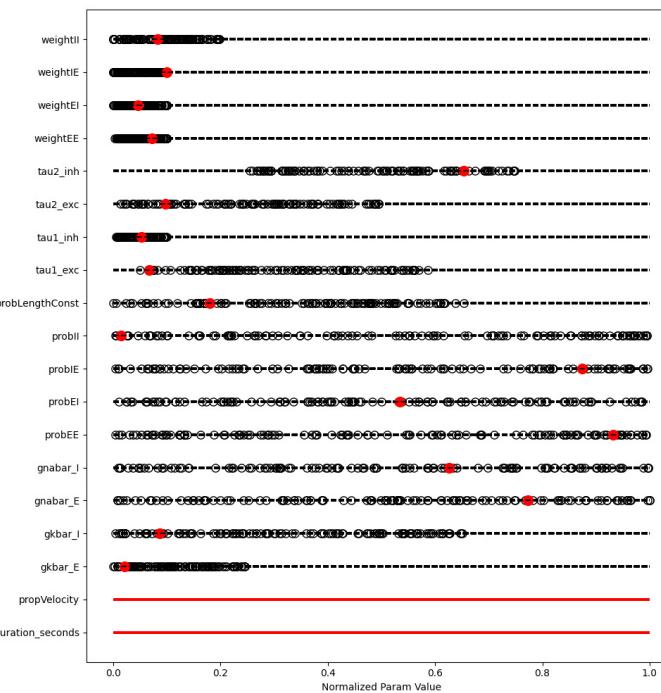
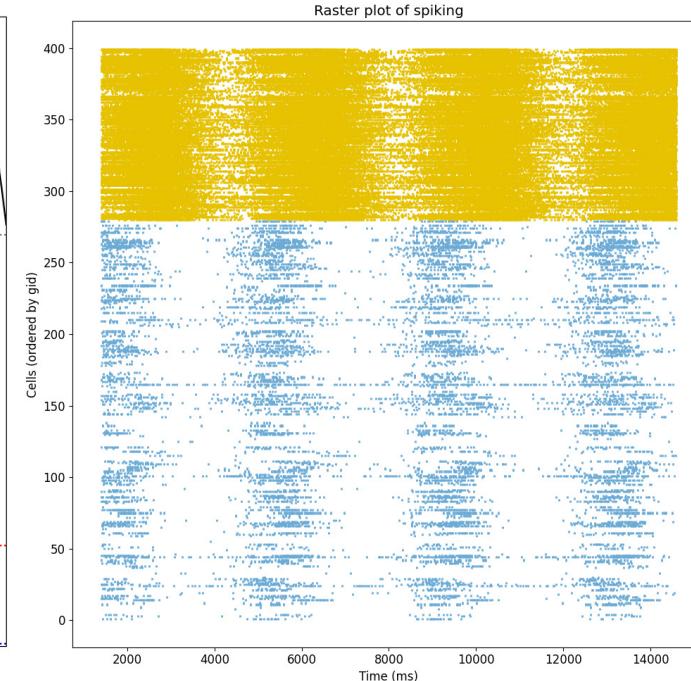
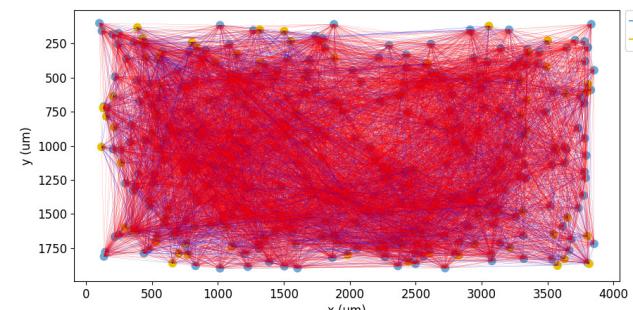


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_3/data.json
SimLabel	gen_0_cand_3
Generation Rank	4/119

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

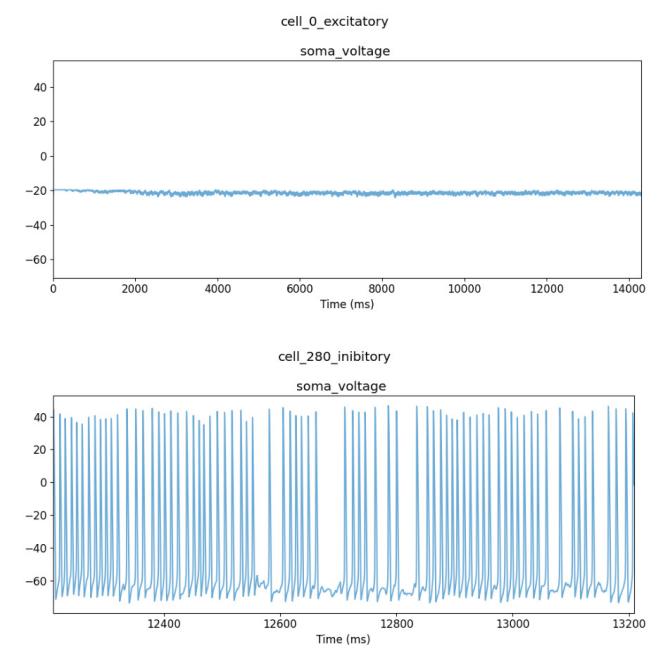
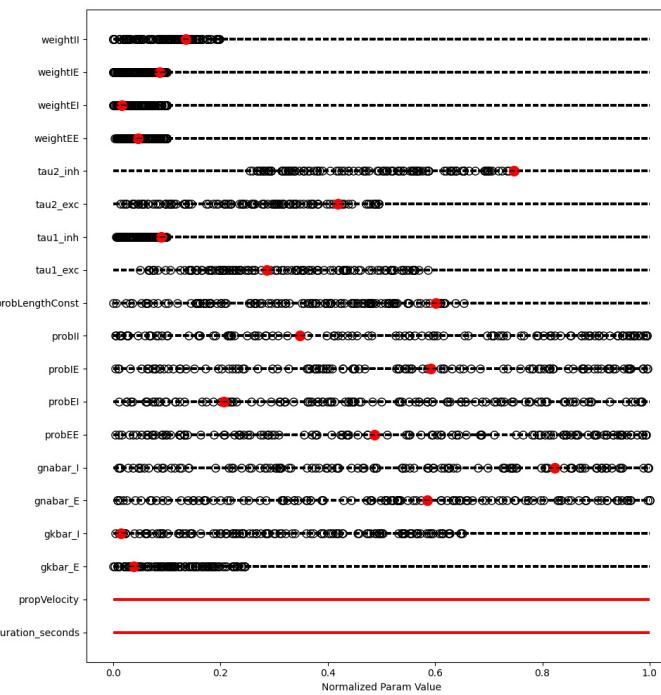
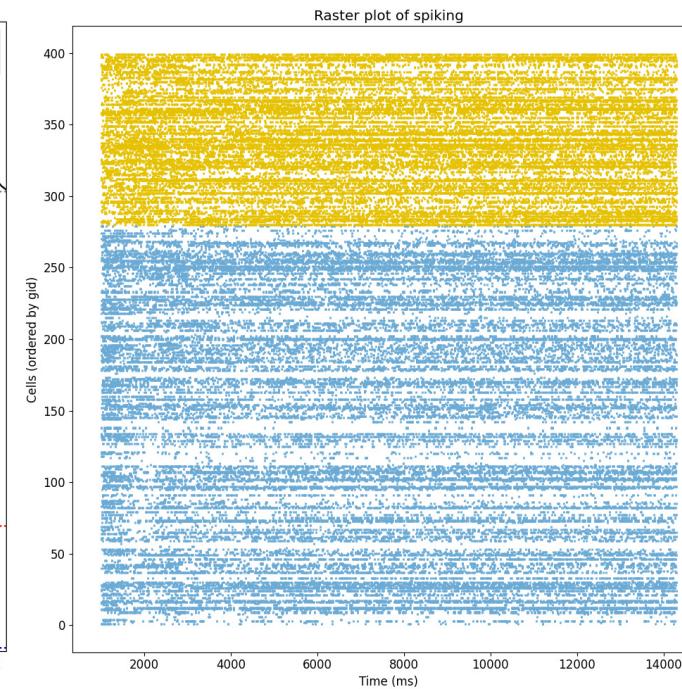
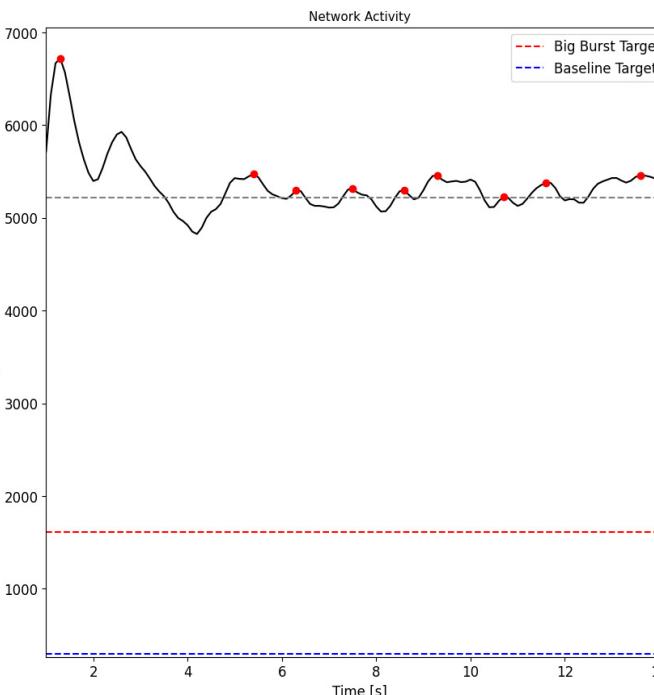


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_4/data.json
SimLabel	gen_0_cand_4
Generation Rank	12/119

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': 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



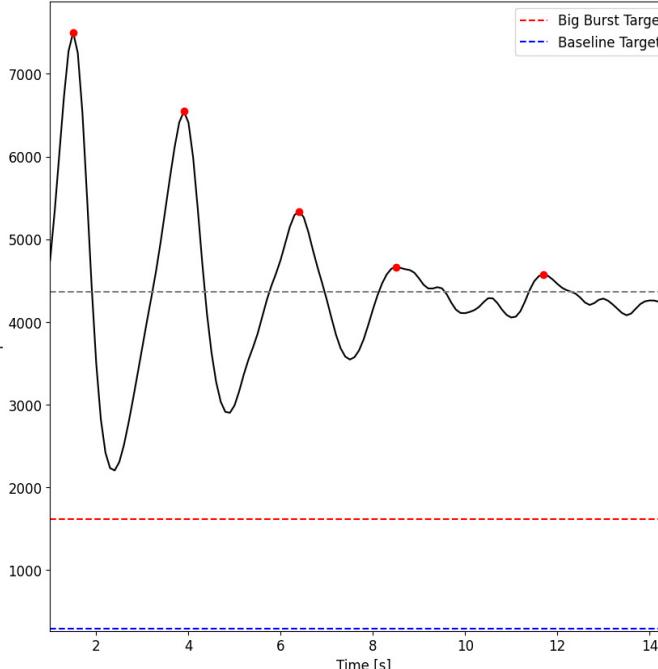
Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_5/data.json
SimLabel	gen_0_cand_5
Generation Rank	8/119

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}}

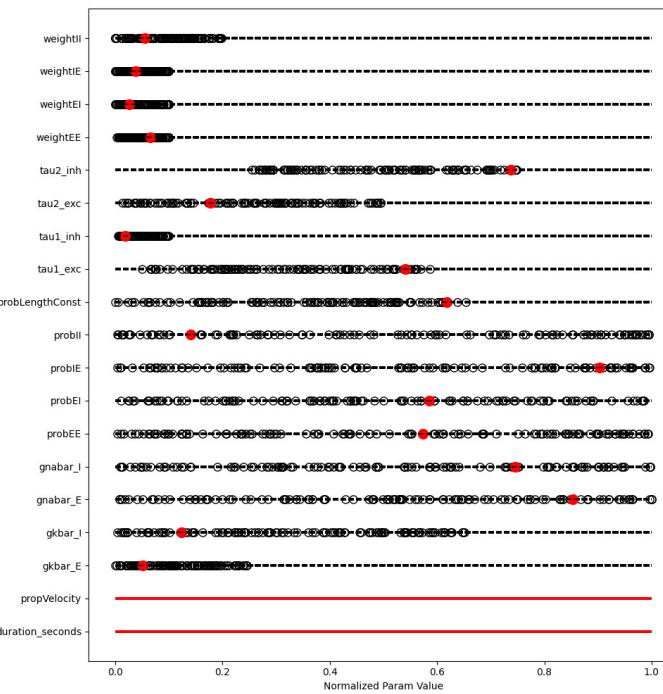
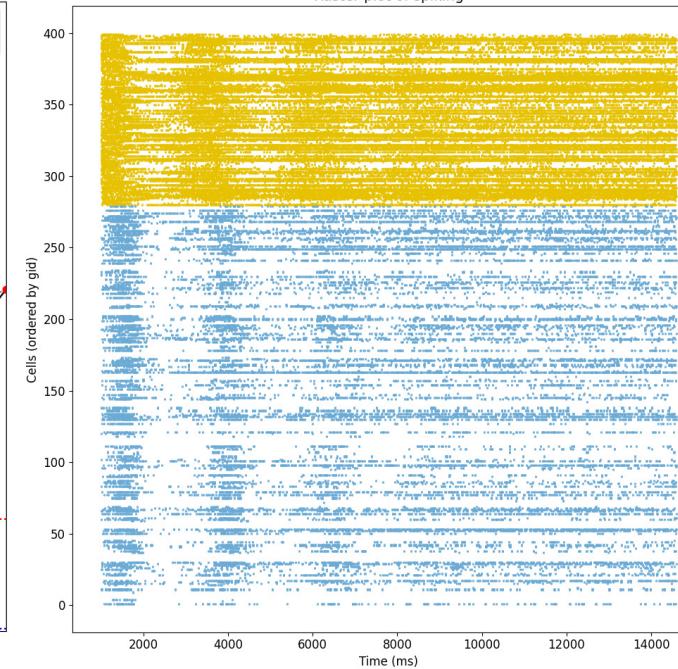
Metric	Value
BigBurstVal_Fitness	{'Value': 5503.702820679034, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.410958904109589,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

Network Activity



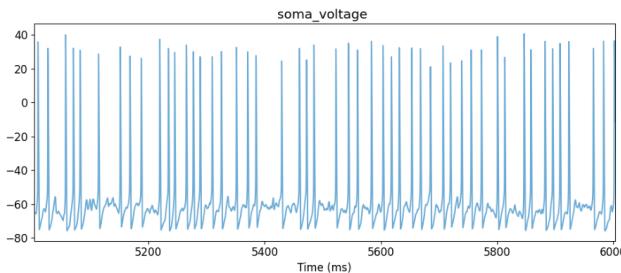
Raster plot of spiking



cell_0_excitatory



cell_280_inhibitory

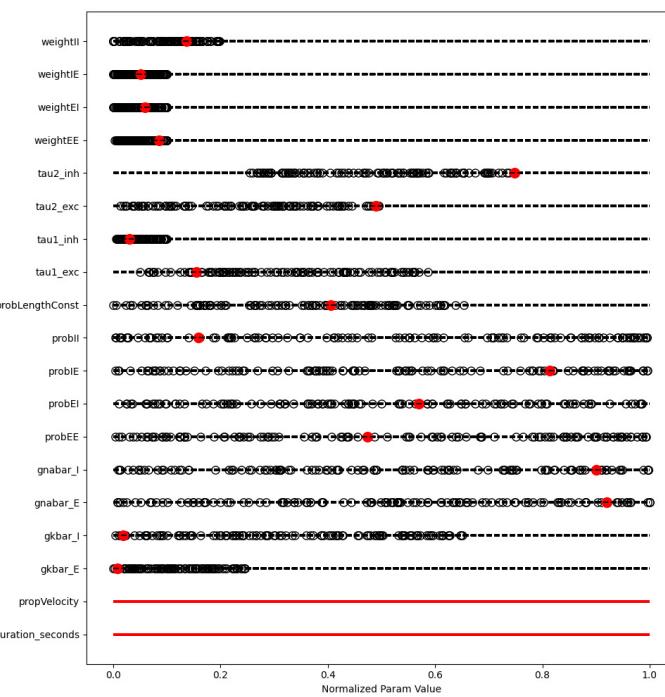
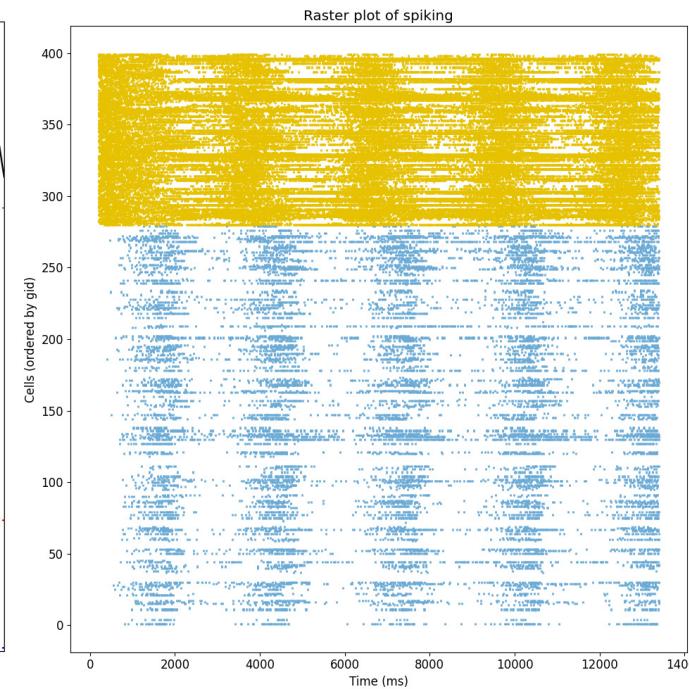
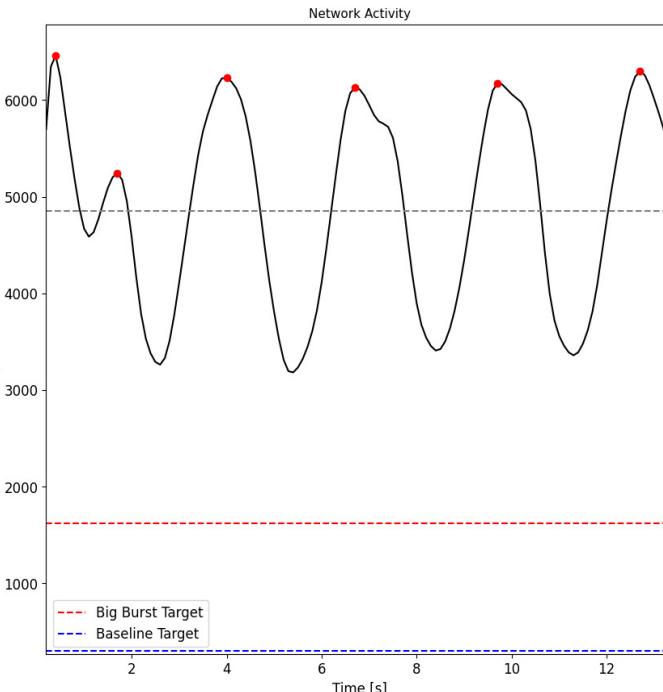


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_6_data.json
SimLabel	gen_0_cand_6
Generation Rank	6/119

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}}

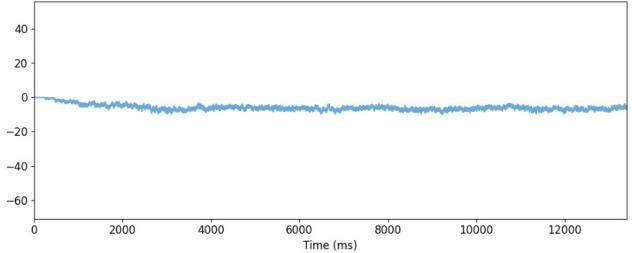
Metric	Value
BigBurstVal_Fitness	{'Value': 6090.046349287401, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.44776119402985076,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



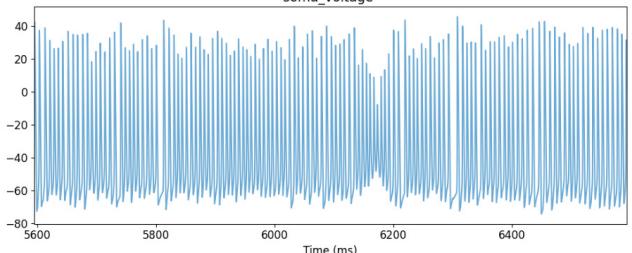
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

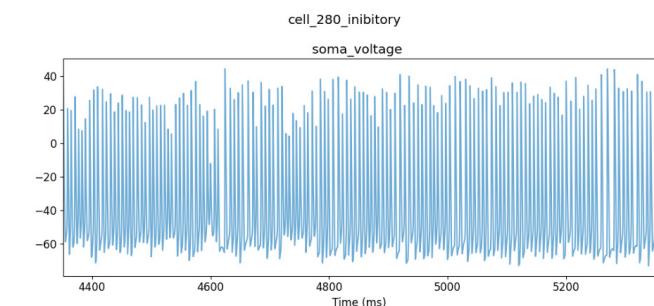
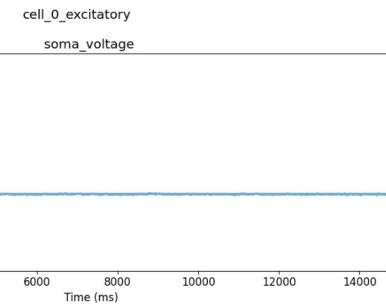
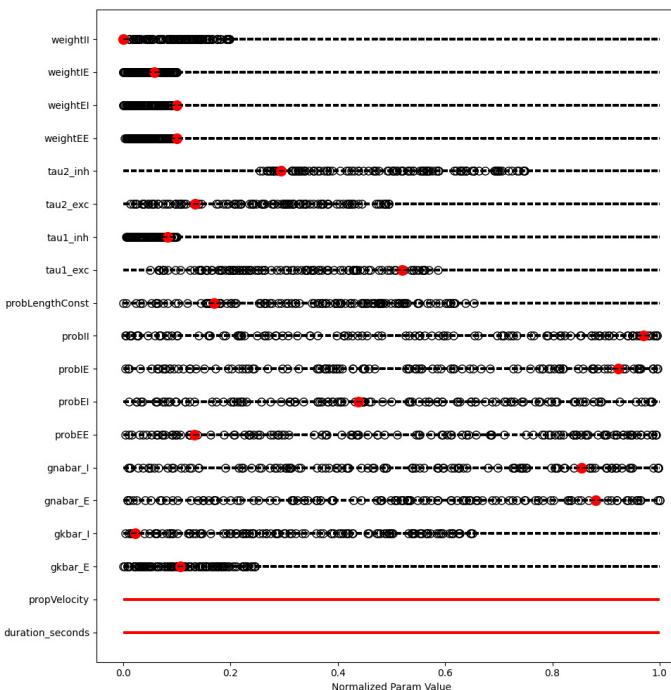
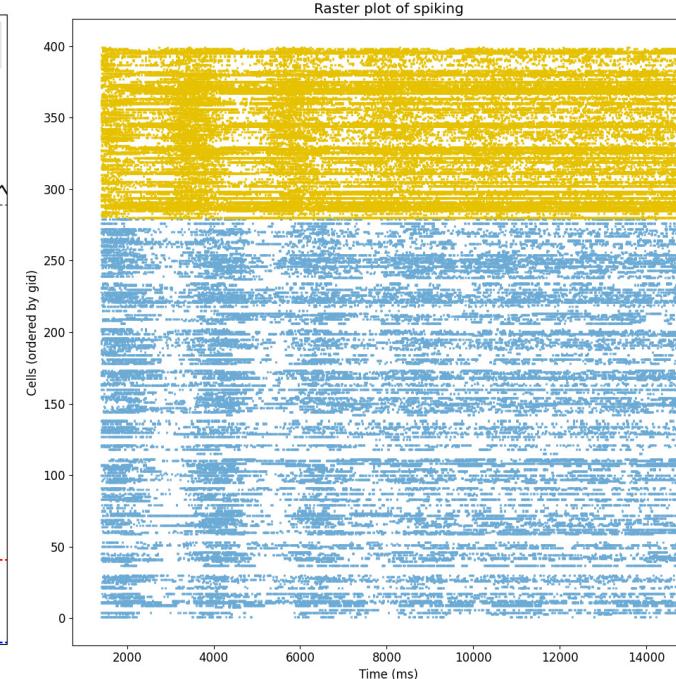
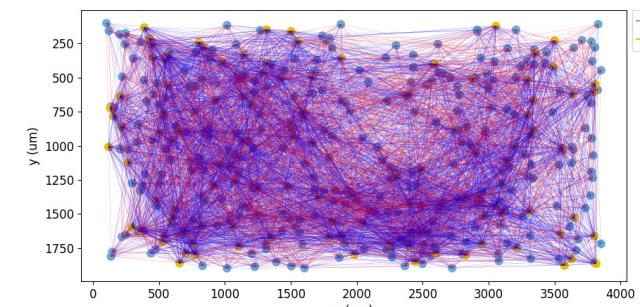


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_7 data.json
SimLabel	gen_0_cand_7
Generation Rank	0/119

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

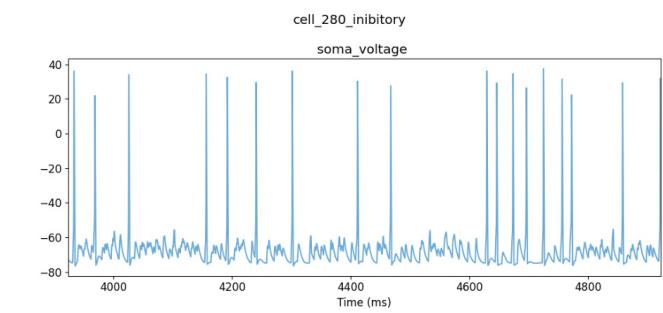
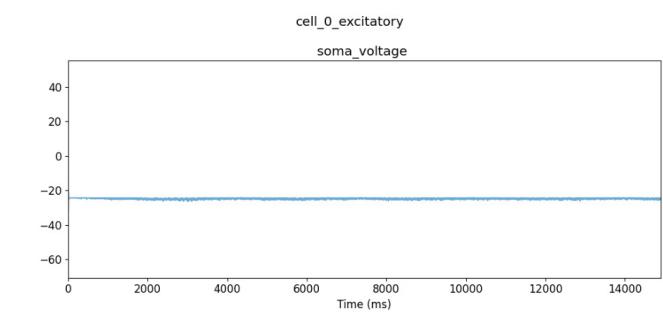
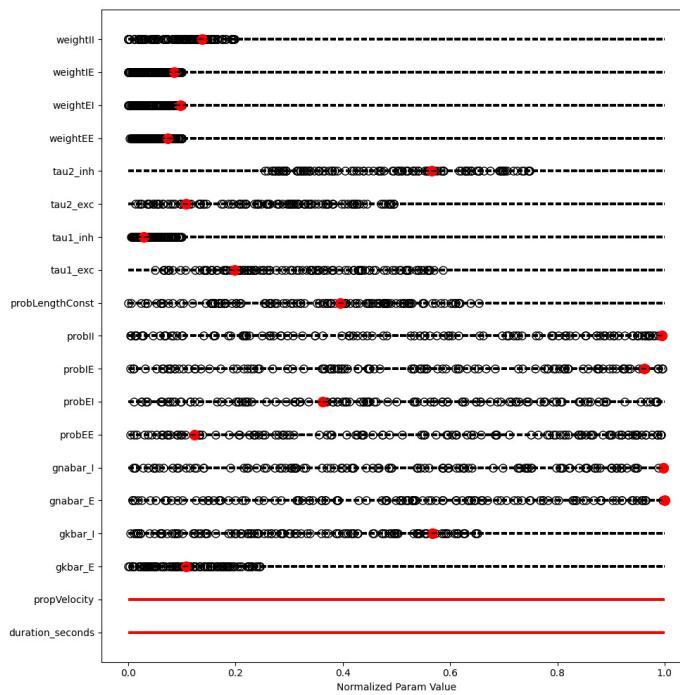
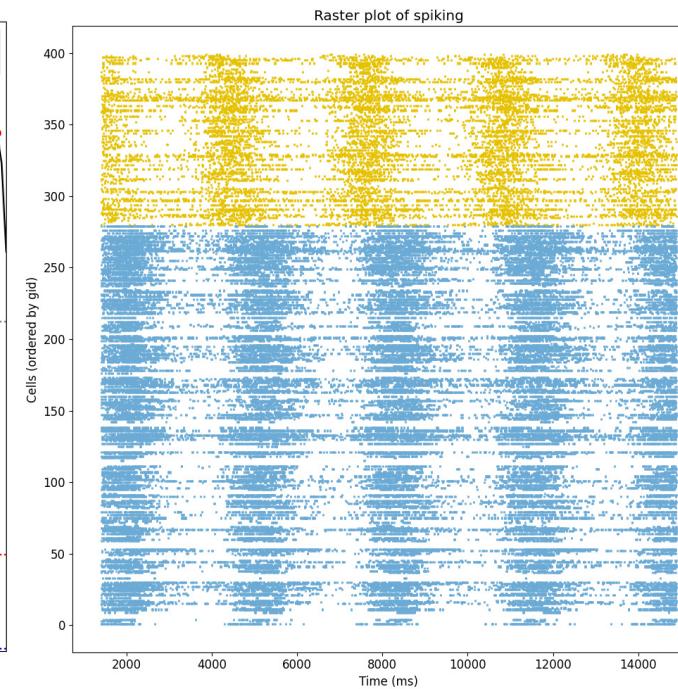
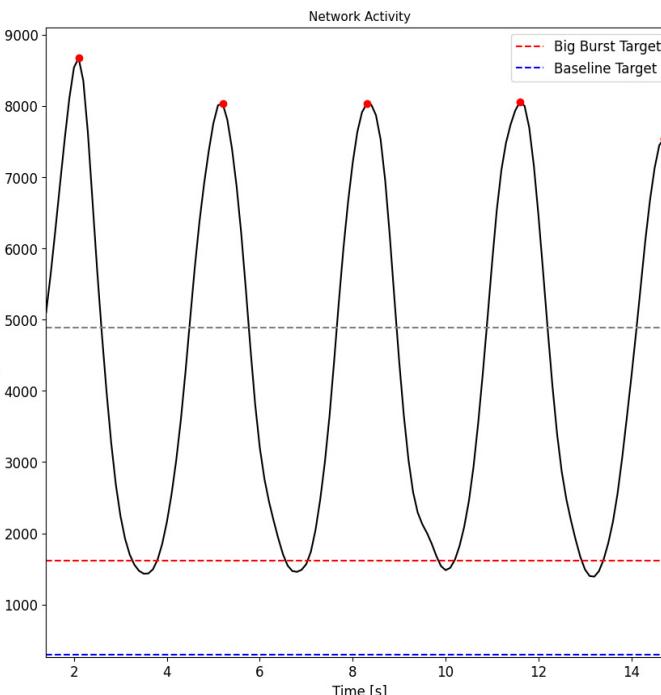


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_8/data.json
SimLabel	gen_0_cand_8
Generation Rank	10/119

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

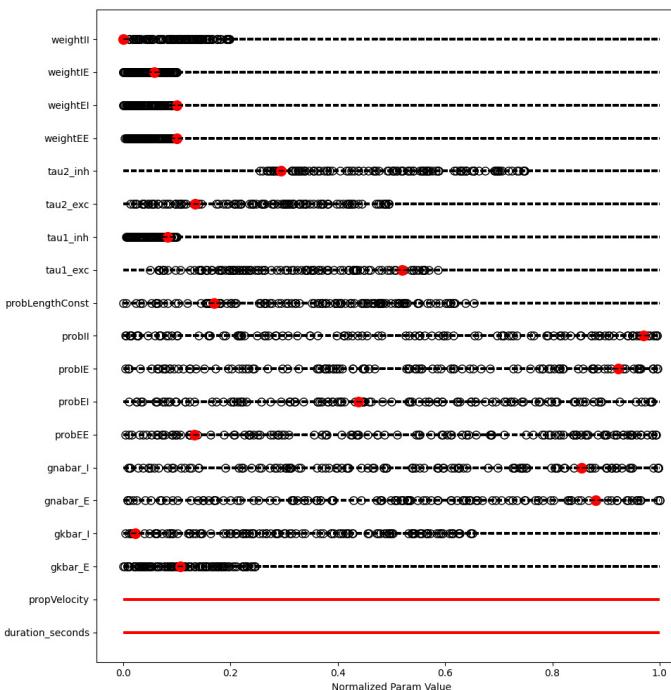
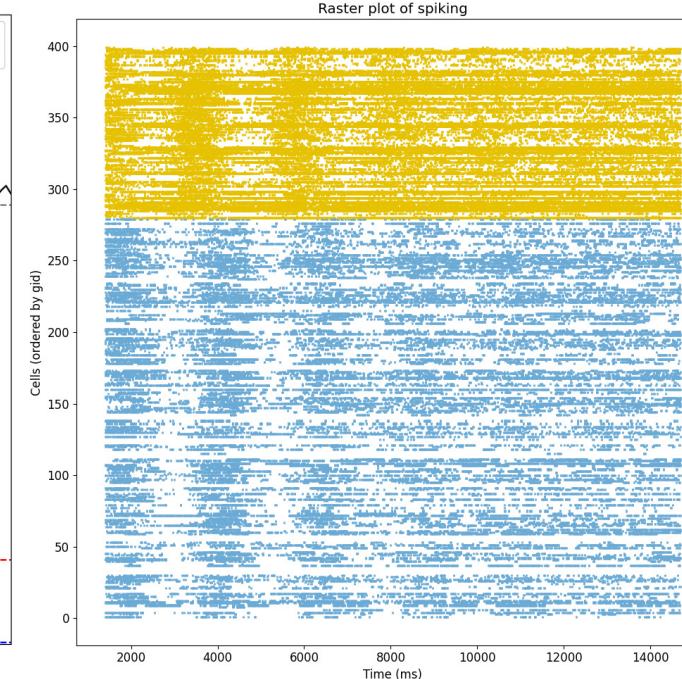
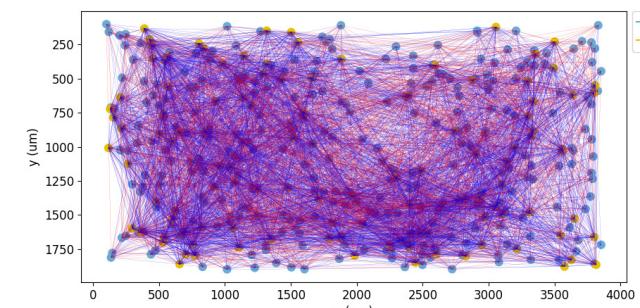


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_9_data.json
SimLabel	gen_0_cand_9
Generation Rank	2/119

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}}

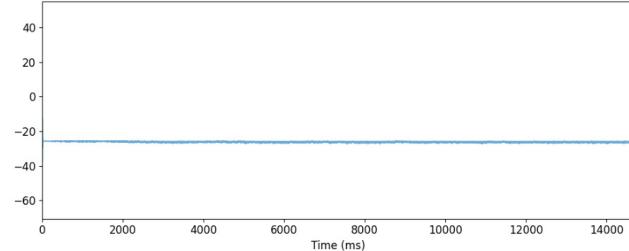
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224,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



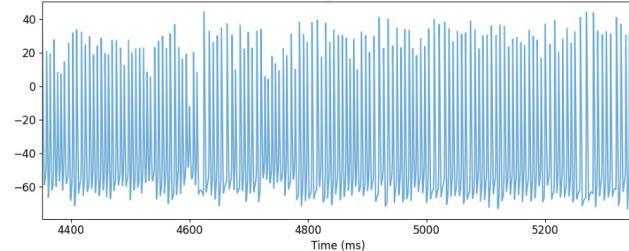
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

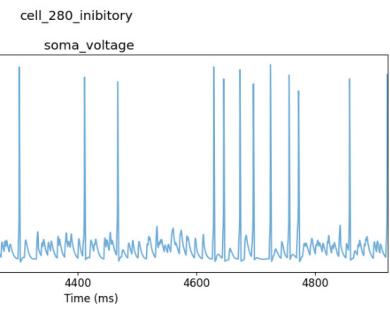
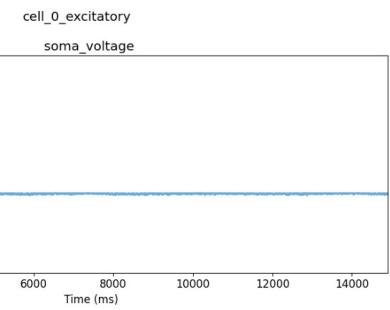
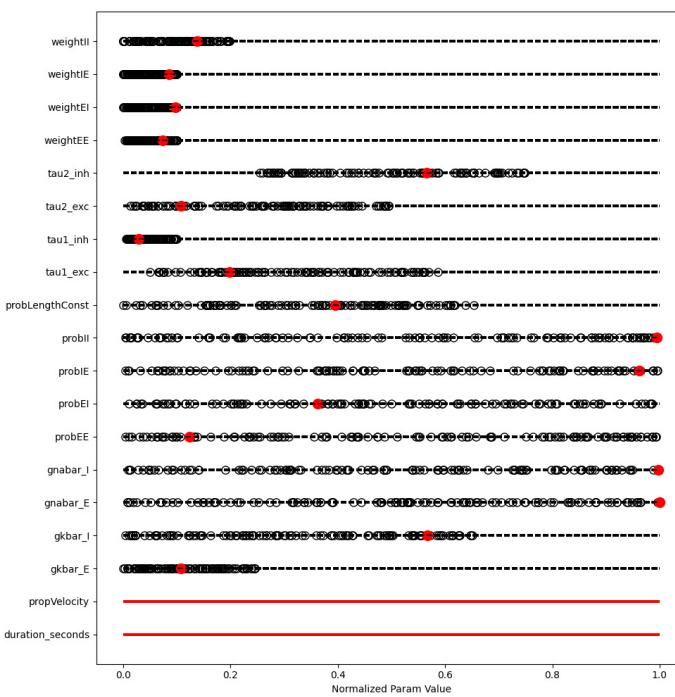
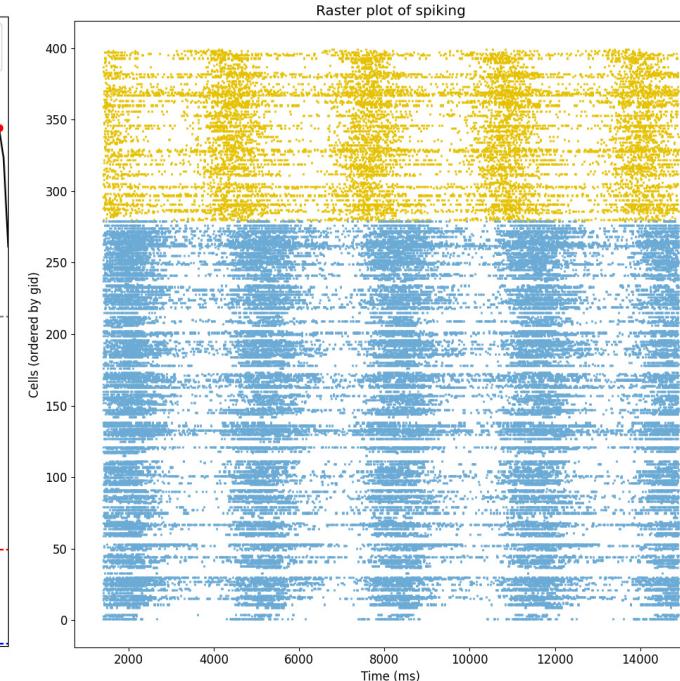
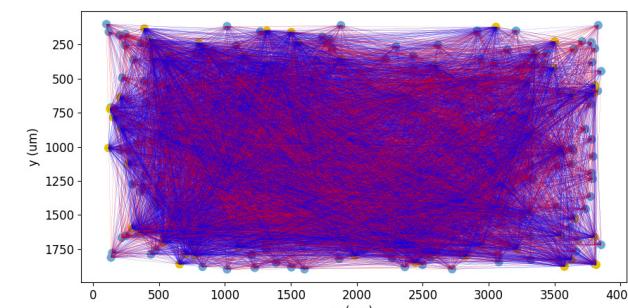


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_10_data.json
SimLabel	gen_0_cand_10
Generation Rank	9/119

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

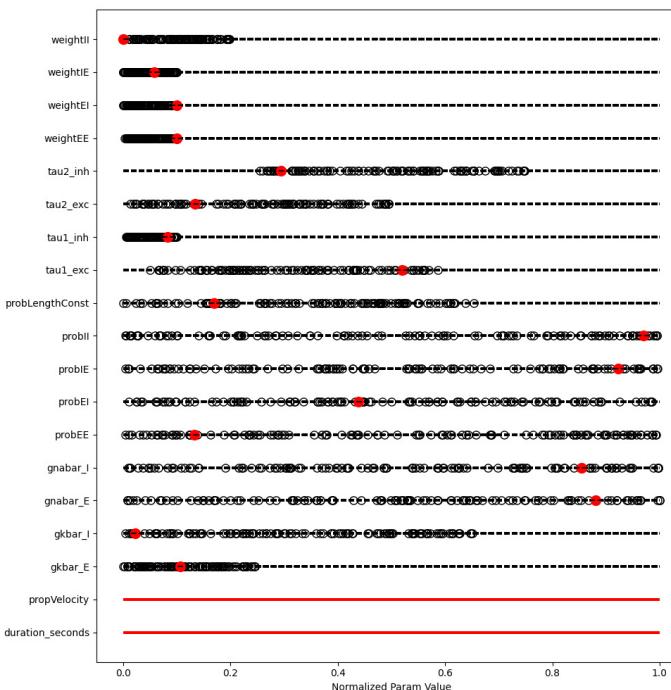
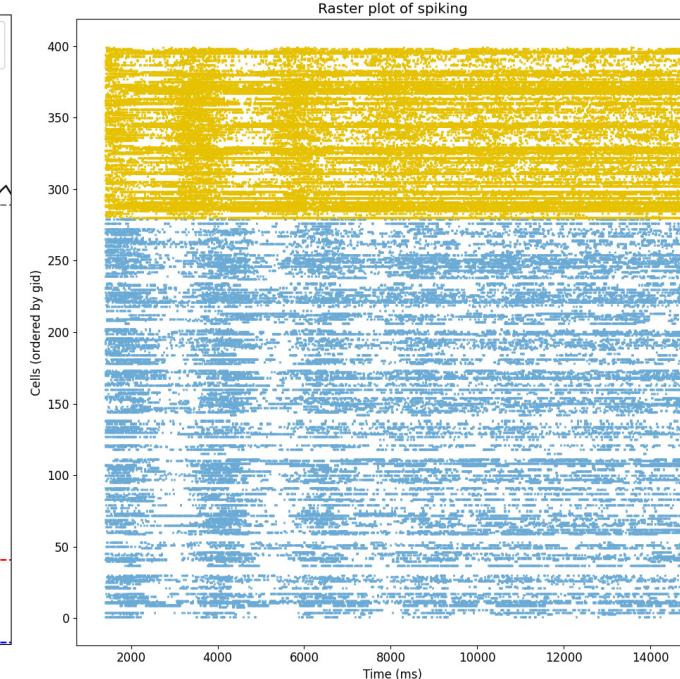
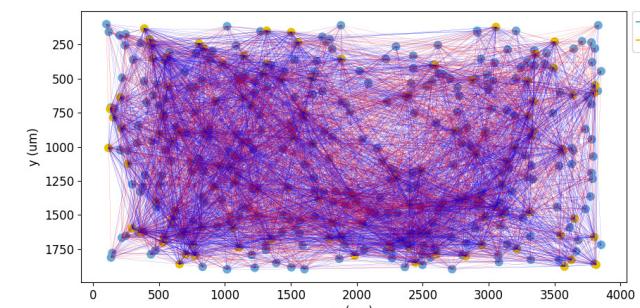


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_11_data.json
SimLabel	gen_0_cand_11
Generation Rank	1/119

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}}

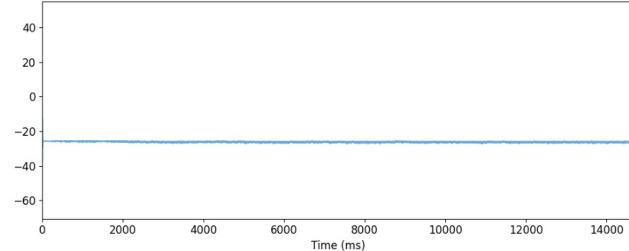
Metric	Value
BigBurstVal_Fitness	{'Value': 8653.902111940062, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4081632653061224,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



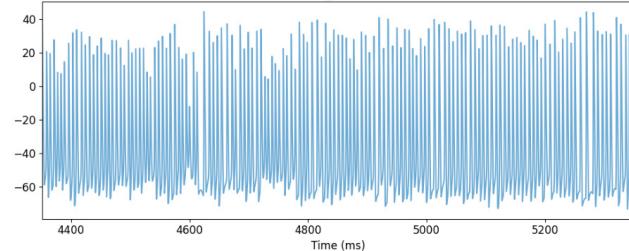
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

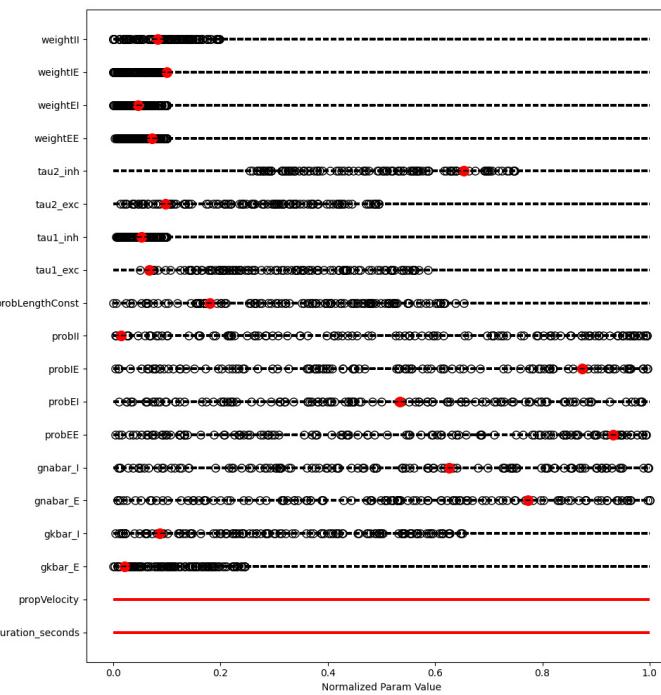
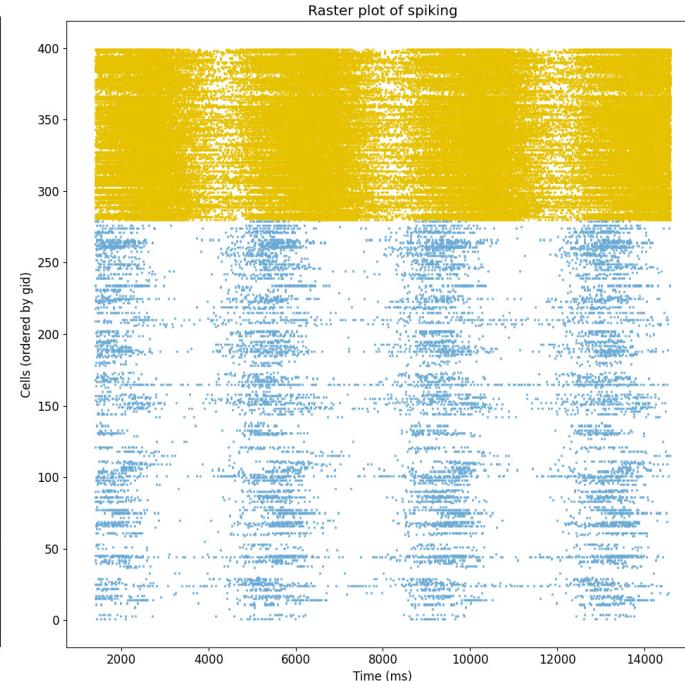
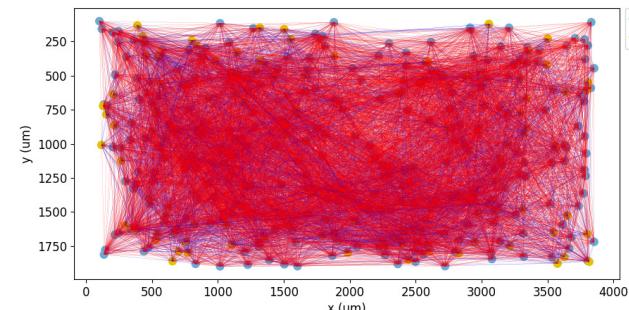


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_12_data.json
SimLabel	gen_0_cand_12
Generation Rank	5/119

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}}

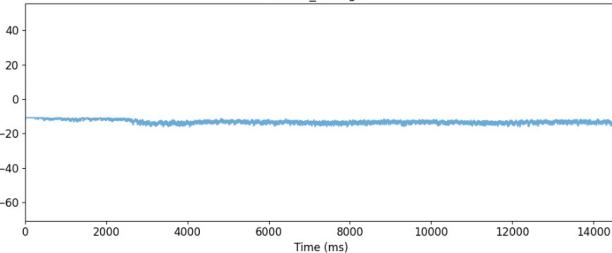
Metric	Value
BigBurstVal_Fitness	{'Value': 8228.53813780273, 'Fit': 1000.0}
numBig_Fitness	{'Value': 4, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.273972602739726, '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



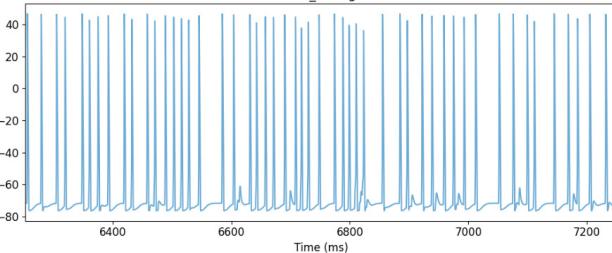
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

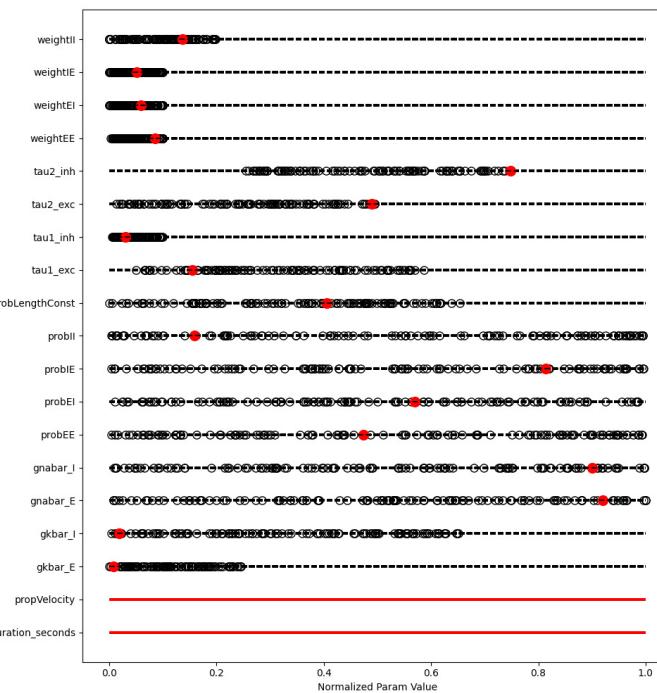
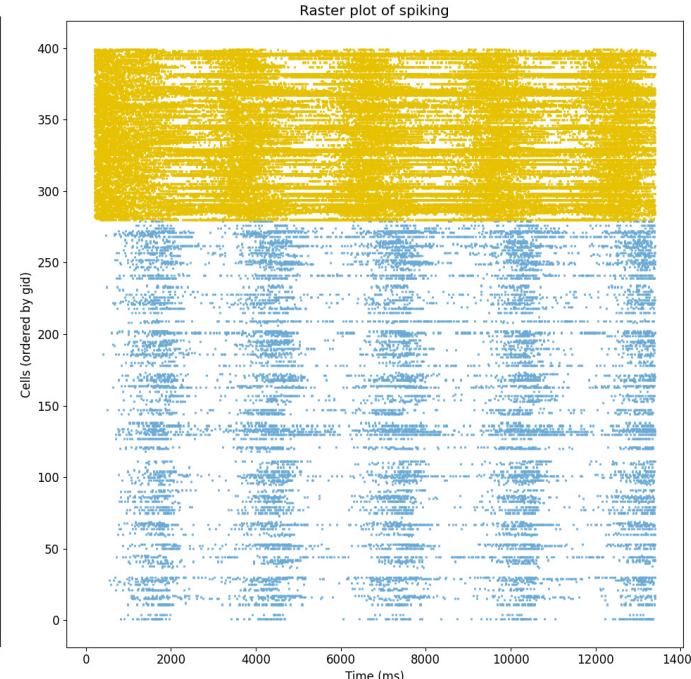
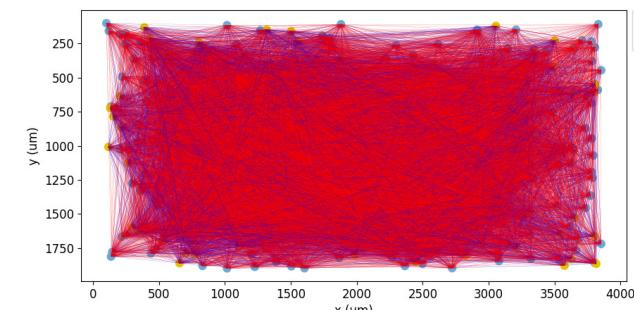


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_13_data.json
SimLabel	gen_0_cand_13
Generation Rank	7/119

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}}

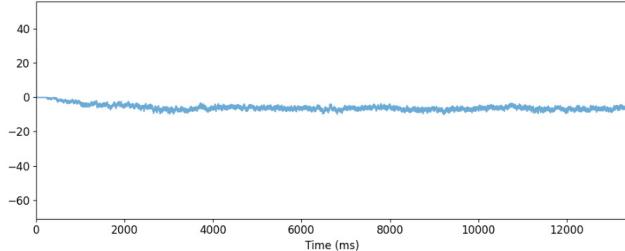
Metric	Value
BigBurstVal_Fitness	{'Value': 6090.046349287401, 'Fit': 1000.0}
numBig_Fitness	{'Value': 6, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.44776119402985076,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



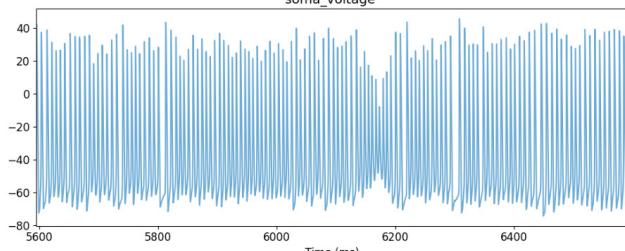
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

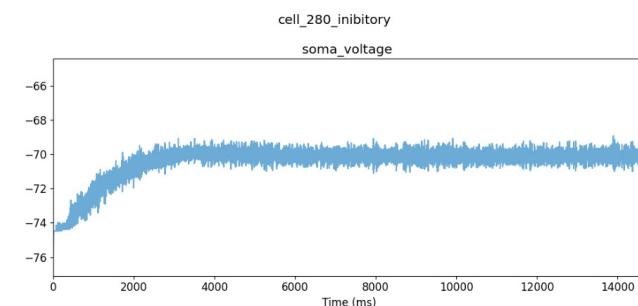
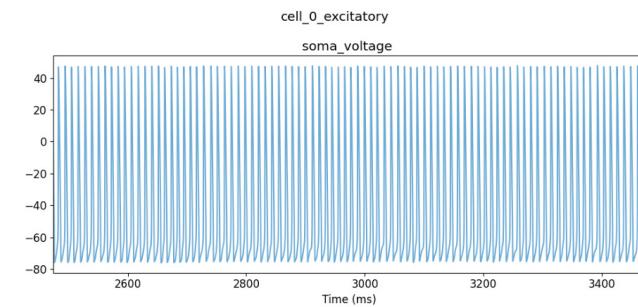
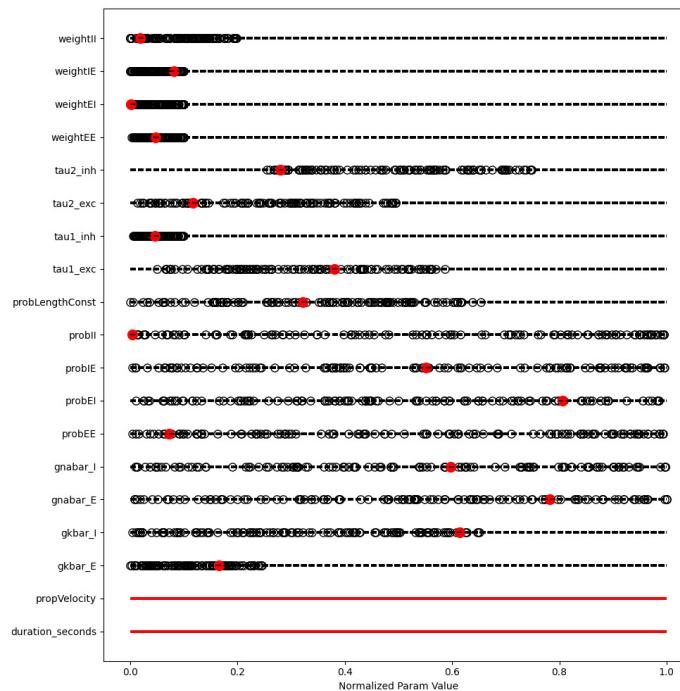
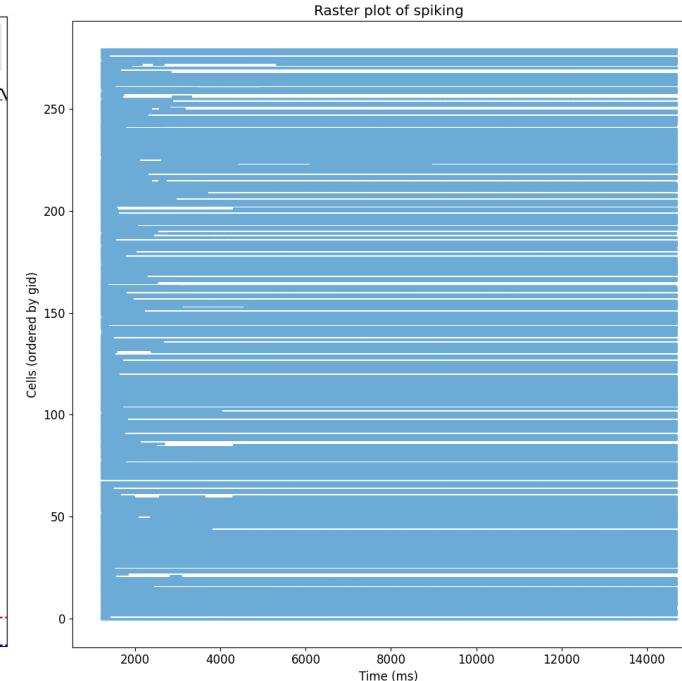
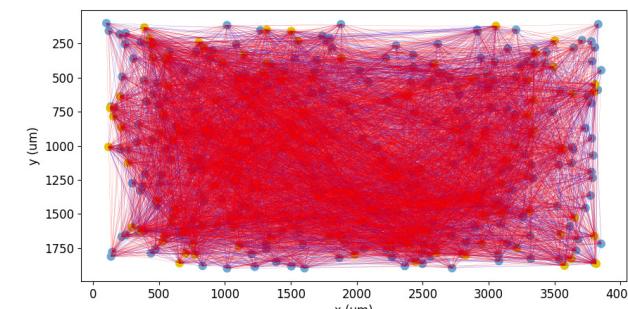


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_18_data.json
SimLabel	gen_0_cand_18
Generation Rank	21/119

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': 29080.494782274003, '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': 27237.74183843764, 'Fit': 1000}
slopeFitness	{'Value': -5.781968612968933, 'Fit': 325.2083733588135}
thresh	{'Value': 26513.211274121204, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 90.06622516556291, 'Fit': 2.308982974937318}
E_rate_fitness	{'Value': 62.74603174603174, 'Fit': 1000}
I_rate_fitness	{'Value': 0.0, 'Fit': 1000}
maxFitness	1000
average_fitness	777.3805733346829
average_scaled_fitness	0.777146683501306

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

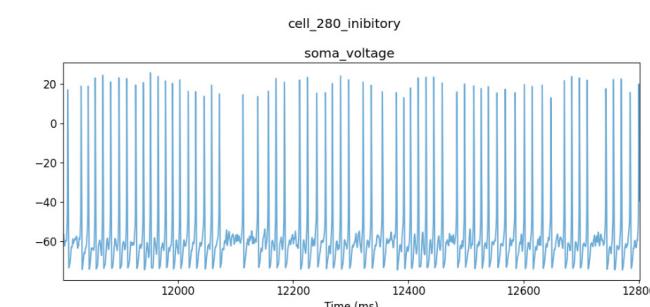
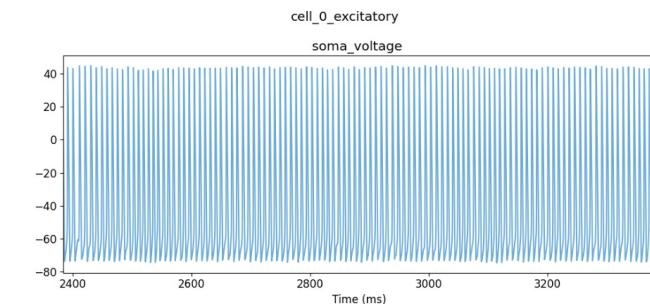
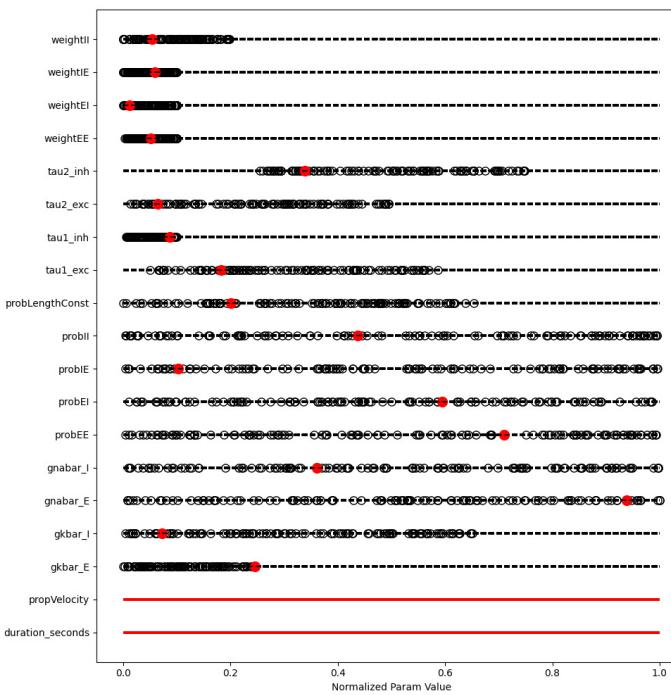
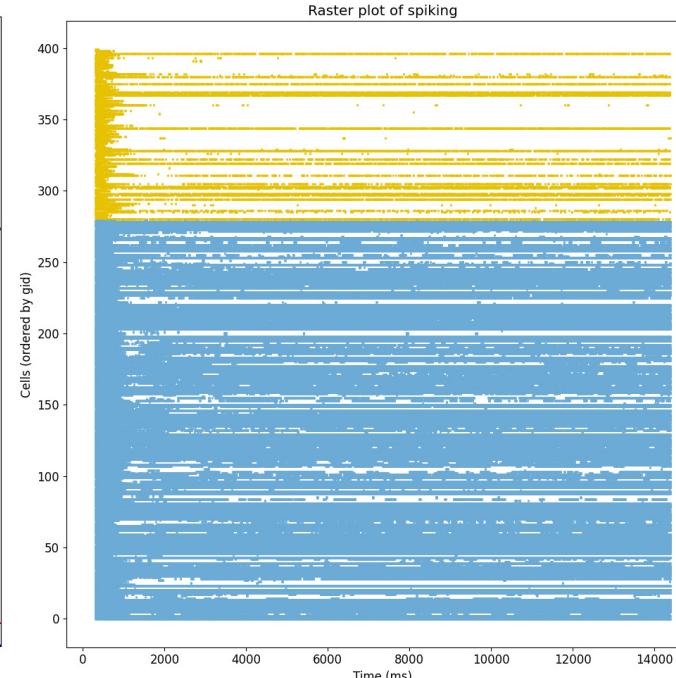
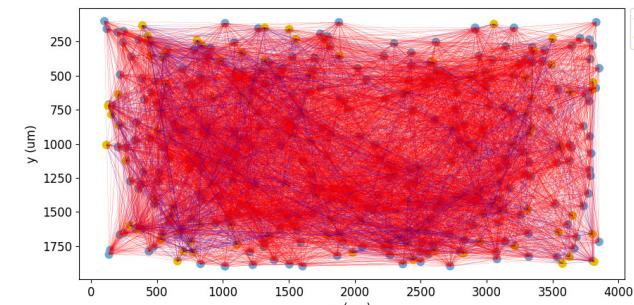


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_22_data.json
SimLabel	gen_0_cand_22
Generation Rank	19/119

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': 26589.422350291097, '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': 0.5555555555555556, 'Fit': 1.5514530124256714}
IBI_fitness	{'Value': 1.9571428571428573, 'Fit': 1.0006174336696285}
baseline_fitness	{'Value': 25118.646787586797, 'Fit': 1000}
slopeFitness	{'Value': -15.705556212364451, 'Fit': 1000}
thresh	{'Value': 24931.273554711755, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 94.03973509933775, 'Fit': 23.027813703428244}
E_rate_fitness	{'Value': 97.75396825396825, 'Fit': 1000}
I_rate_fitness	{'Value': 37.17592592592593, 'Fit': 1000}
maxFitness	1000
average_fitness	752.1316570124603
average_scaled_fitness	0.7518833872041136

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

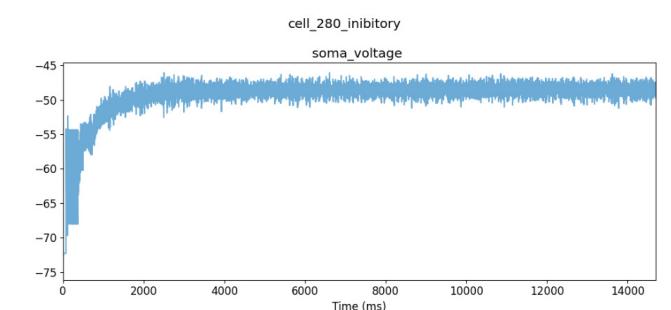
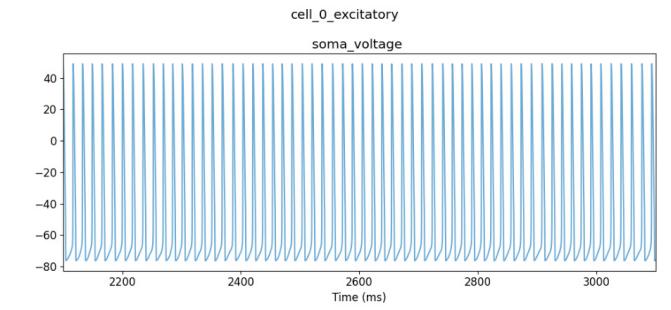
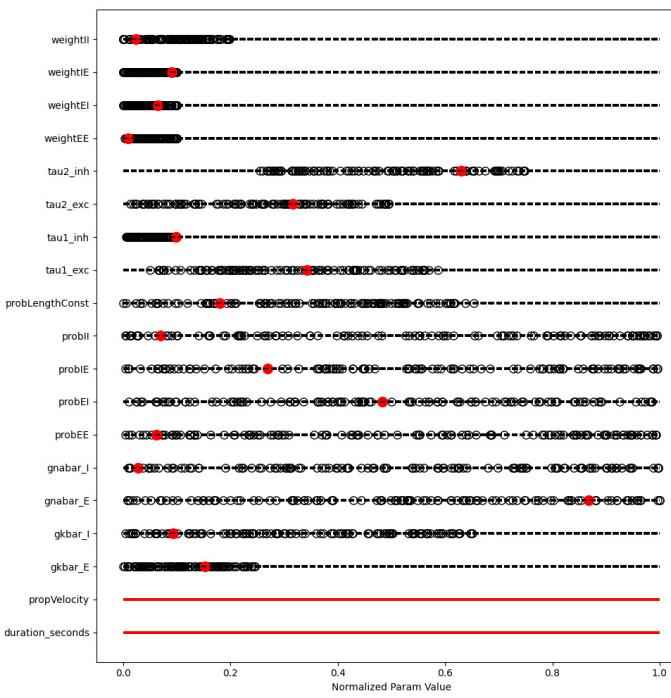
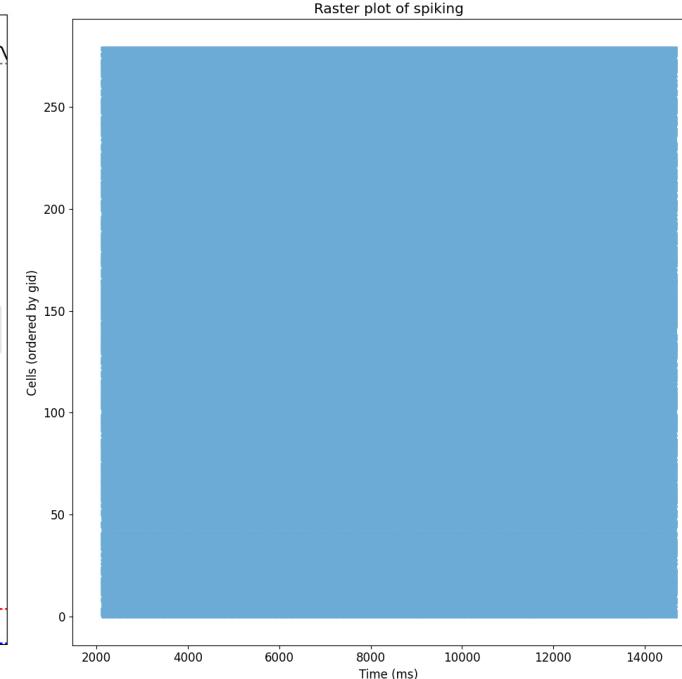
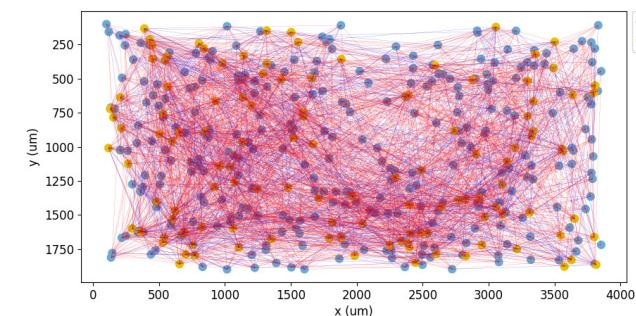


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_27_data.json
SimLabel	gen_0_cand_27
Generation Rank	22/119

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': 23568.735354673765, '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': 23488.160125714134, 'Fit': 1000}
slopeFitness	{'Value': 1.2654808326463483, 'Fit': 3.5359546516631903}
thresh	{'Value': 22836.242688522776, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 84.10596026490066, 'Fit': 895.2222913490648}
E_rate_fitness	{'Value': 62.047619047619044, 'Fit': 1000}
I_rate_fitness	{'Value': 0.0, 'Fit': 1000}
maxFitness	1000
average_fitness	824.9839808069311
average_scaled_fitness	0.8248001043673027

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

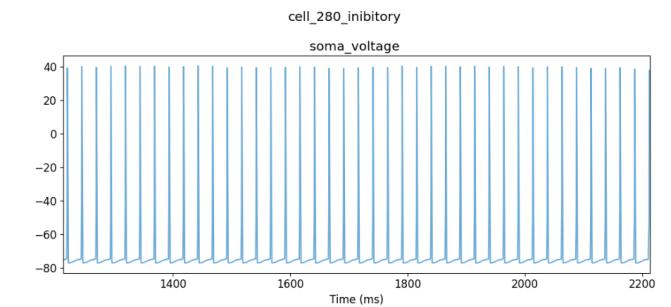
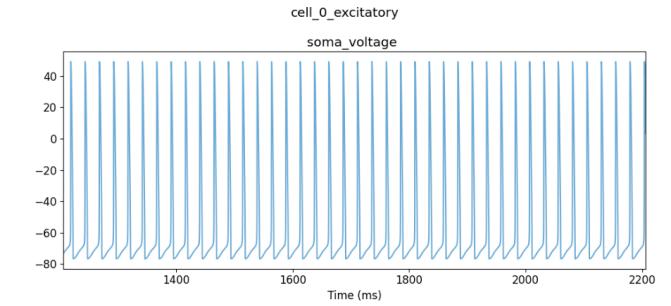
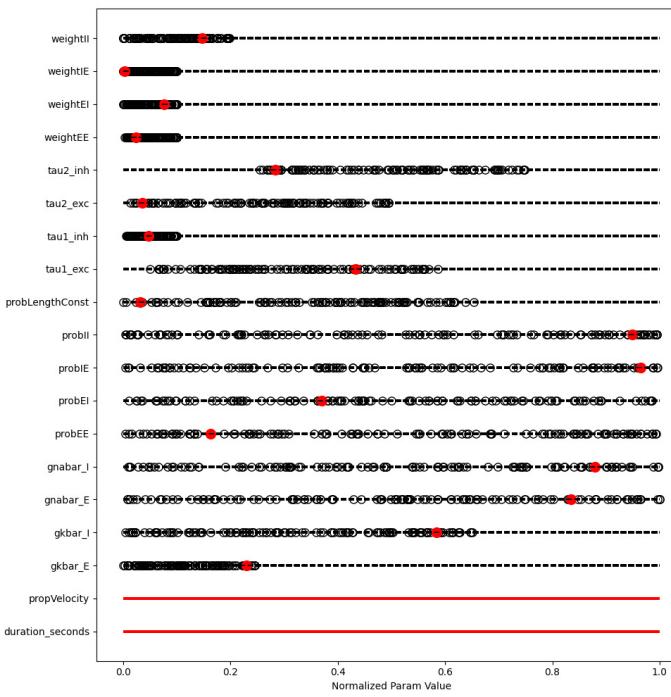
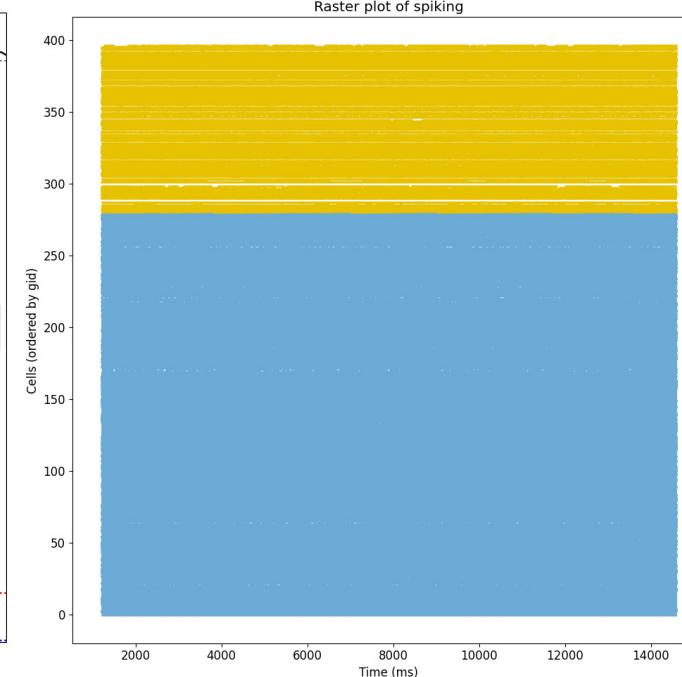
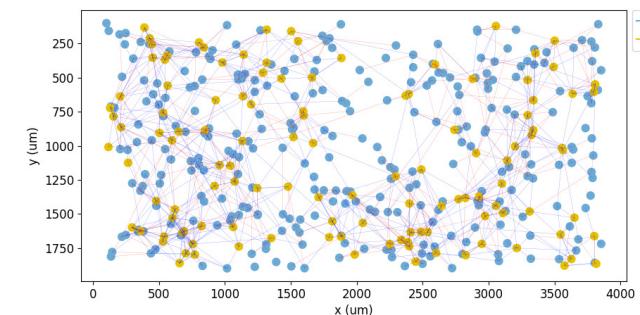


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_29_data.json
SimLabel	gen_0_cand_29
Generation Rank	15/119

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': 16778.493864582288, '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': 16490.202905491096, 'Fit': 1000}
slopeFitness	{'Value': 0.028063942752365588, 'Fit': 1.0258960543261815}
thresh	{'Value': 16283.259614371902, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 89.40397350993378, 'Fit': 4.477472945561019}
E_rate_fitness	{'Value': 41.54365079365079, 'Fit': 1000}
I_rate_fitness	{'Value': 34.78703703703704, 'Fit': 1000}
maxFitness	1000
average_fitness	750.5460336484488
average_scaled_fitness	0.7502898569980179

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

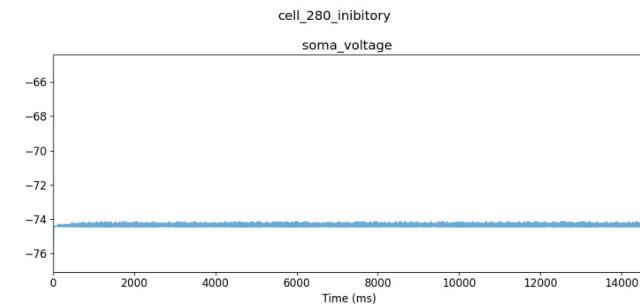
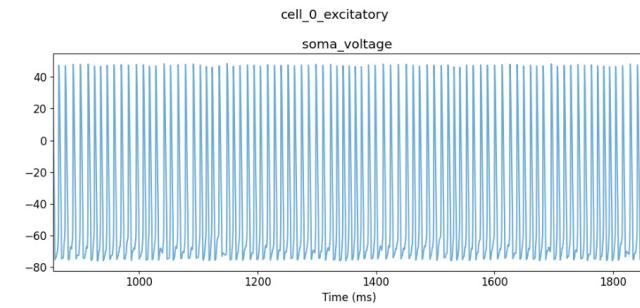
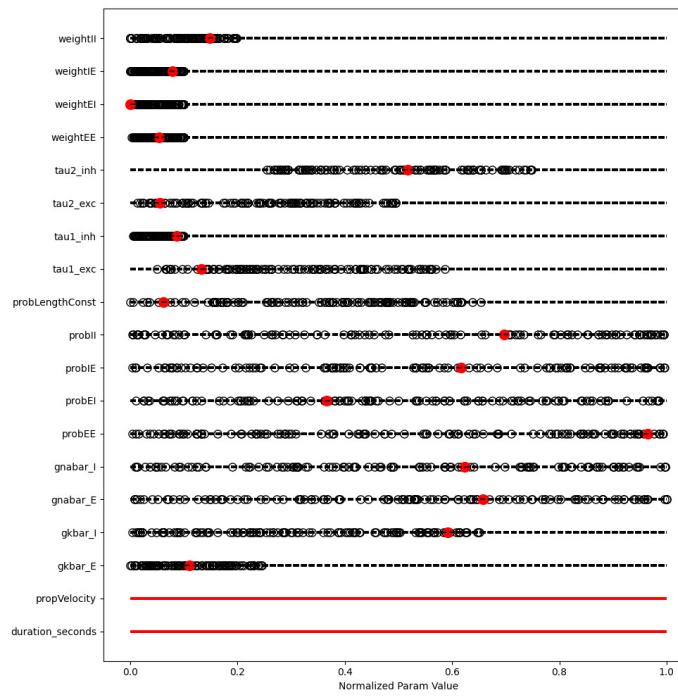
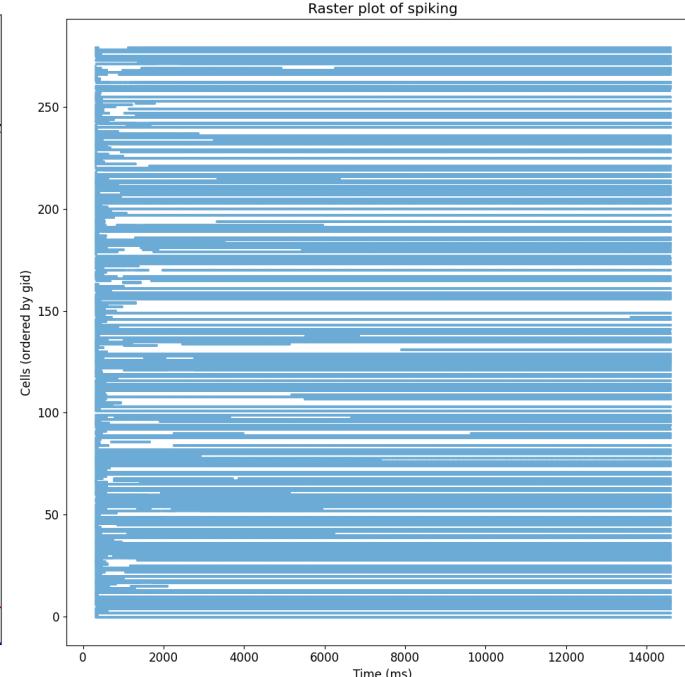
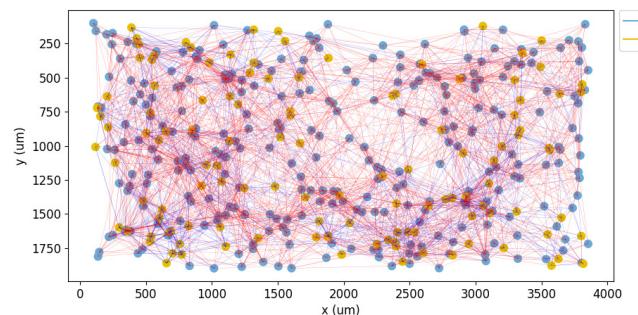


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_36_data.json
SimLabel	gen_0_cand_36
Generation Rank	14/119

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': 20684.828136643042, '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': 0.2054794520547945, 'Fit': 1.0932072595492126}
IBI_fitness	{'Value': 6.9, 'Fit': 1.0003433436029523}
baseline_fitness	{'Value': 19448.26633418402, 'Fit': 1000}
slopeFitness	{'Value': -0.42090406885353315, 'Fit': 1.52714744710126}
thresh	{'Value': 19273.620322934465, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 95.36423841059603, 'Fit': 86.59188357614293}
E_rate_fitness	{'Value': 72.55952380952381, 'Fit': 1000}
I_rate_fitness	{'Value': 0.0, 'Fit': 1000}
maxFitness	1000
average_fitness	674.1843818021997
average_scaled_fitness	0.6738581279514256

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

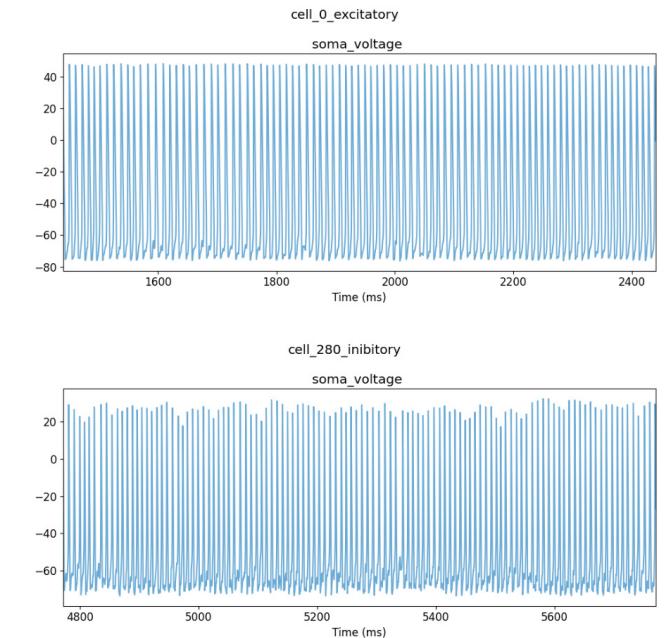
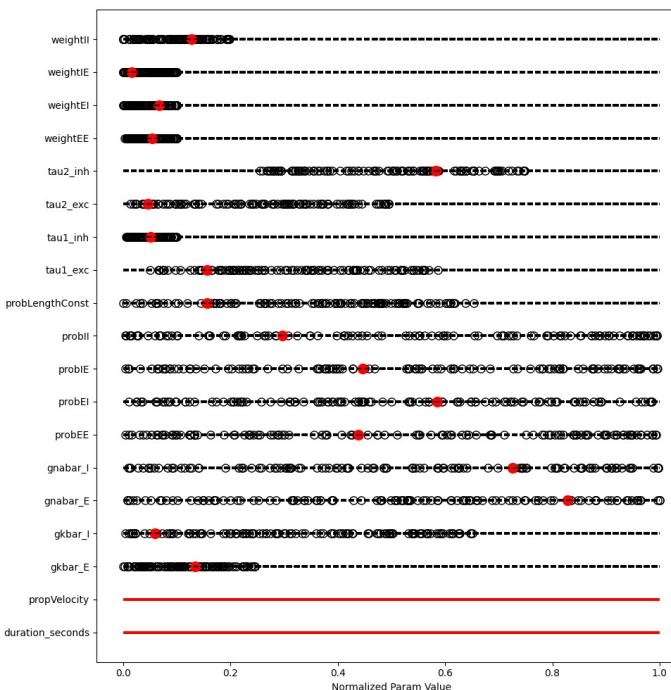
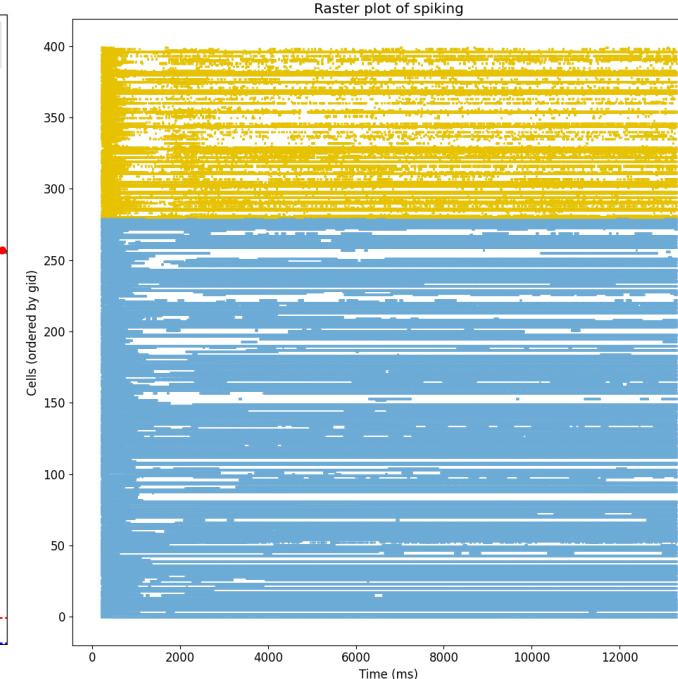
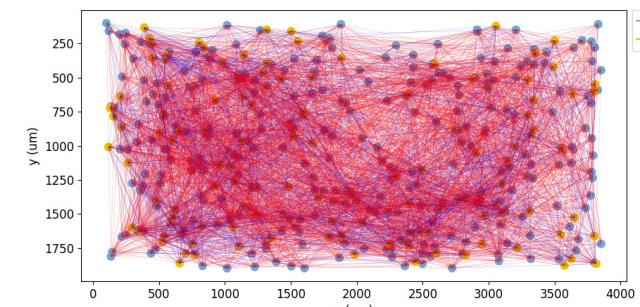


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_41_data.json
SimLabel	gen_0_cand_41
Generation Rank	20/119

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': 22870.176601258703, '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': 0.45112781954887216, 'Fit': 1.3976107662399704}
IBI_fitness	{'Value': 2.54, 'Fit': 1.0005647509957905}
baseline_fitness	{'Value': 20891.11948106972, 'Fit': 1000}
slopeFitness	{'Value': -16.733349149079906, 'Fit': 1000}
thresh	{'Value': 20741.41048016975, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 87.41721854304636, 'Fit': 32.64898537752051}
E_rate_fitness	{'Value': 78.44047619047619, 'Fit': 1000}
I_rate_fitness	{'Value': 54.03703703703704, 'Fit': 1000}
maxFitness	1000
average_fitness	752.9205967412296
average_scaled_fitness	0.7526731301933269

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

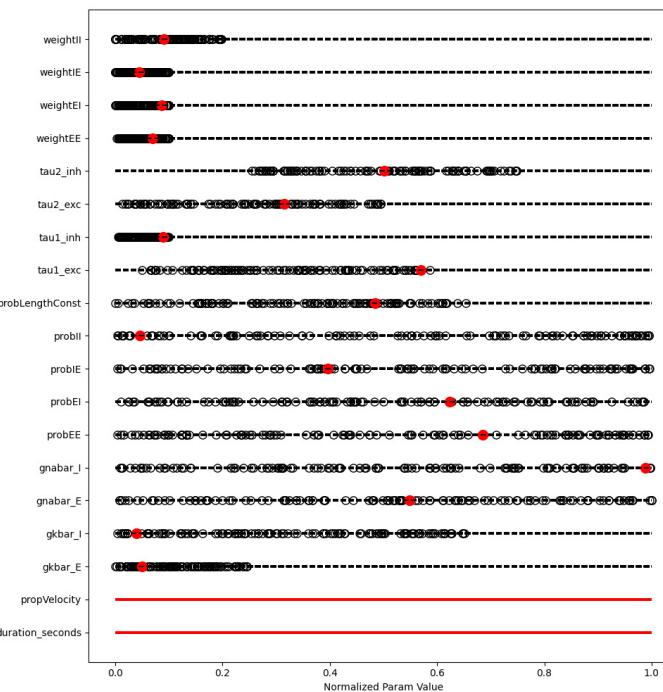
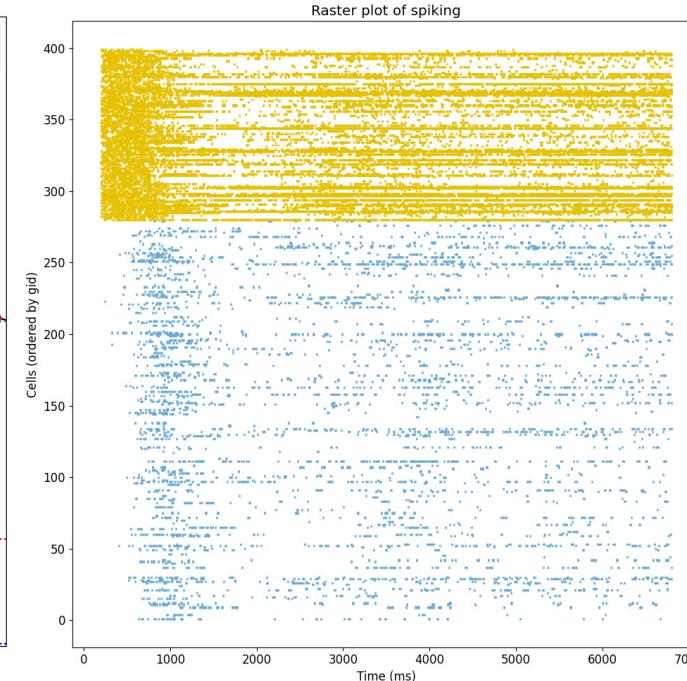
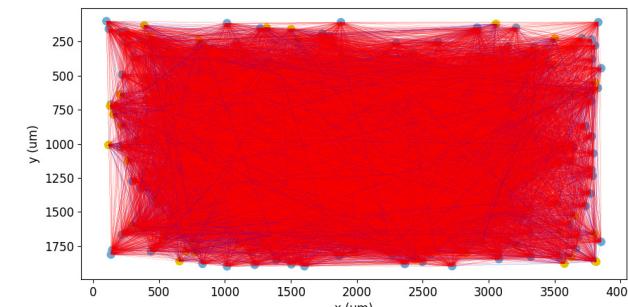


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_47/data.json
SimLabel	gen_0_cand_47
Generation Rank	17/119

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}}

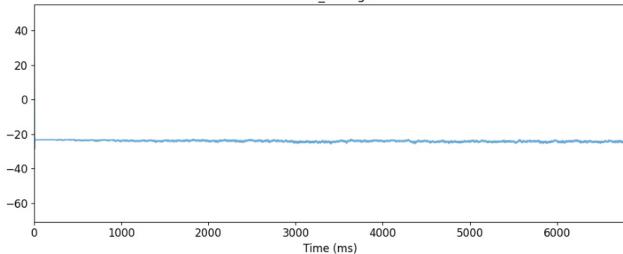
Metric	Value
BigBurstVal_Fitness	{'Value': 5331.01562538212, 'Fit': 1000.0}
numBig_Fitness	{'Value': 4, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.588235294117647, 'Fit': 1.6029916389767365}
IBI_fitness	{'Value': 2.0, 'Fit': 1.0006135604199349}
baseline_fitness	{'Value': 4485.360800898194, 'Fit': 1000}
slopeFitness	{'Value': -25.85325913541008, 'Fit': 1000}
thresh	{'Value': 4349.421850480517, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 44.370860927152314, 'Fit': 1000}
E_rate_fitness	{'Value': 3.4444444444444446, 'Fit': 13.027698930704021}
I_rate_fitness	{'Value': 52.27777777777777, 'Fit': 1000}
maxFitness	1000
average_fitness	751.3026086775084
average_scaled_fitness	0.7510535094432385

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



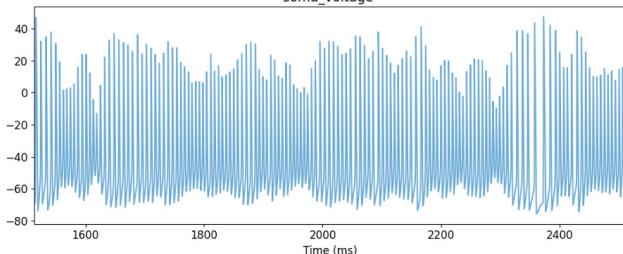
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

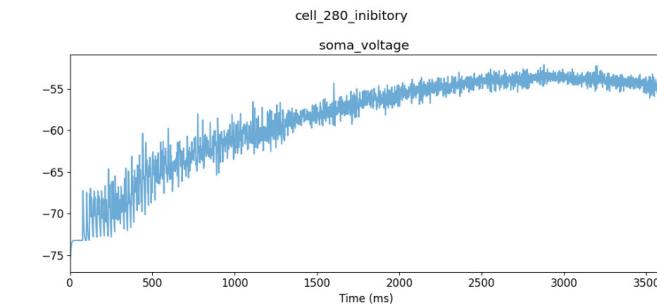
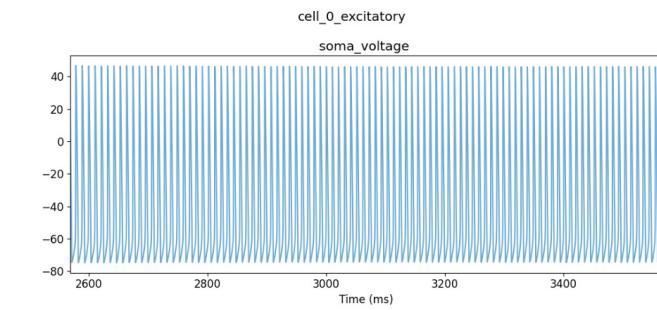
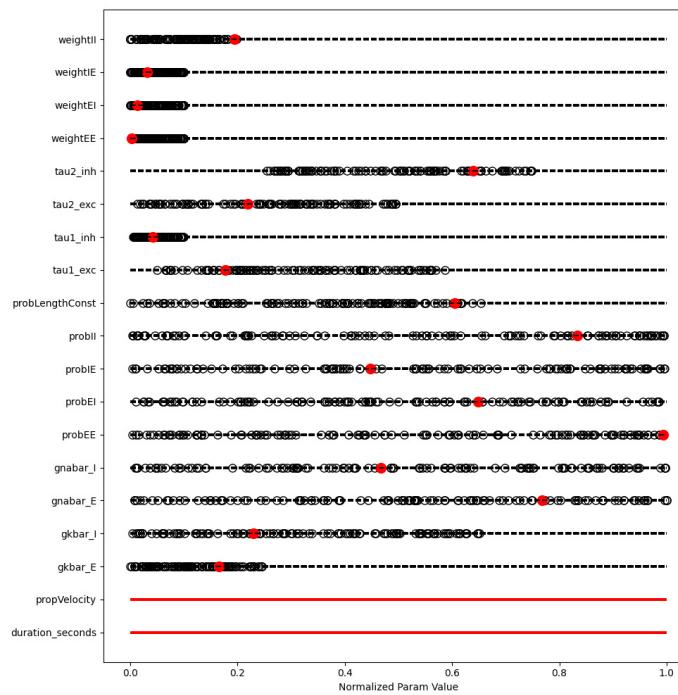
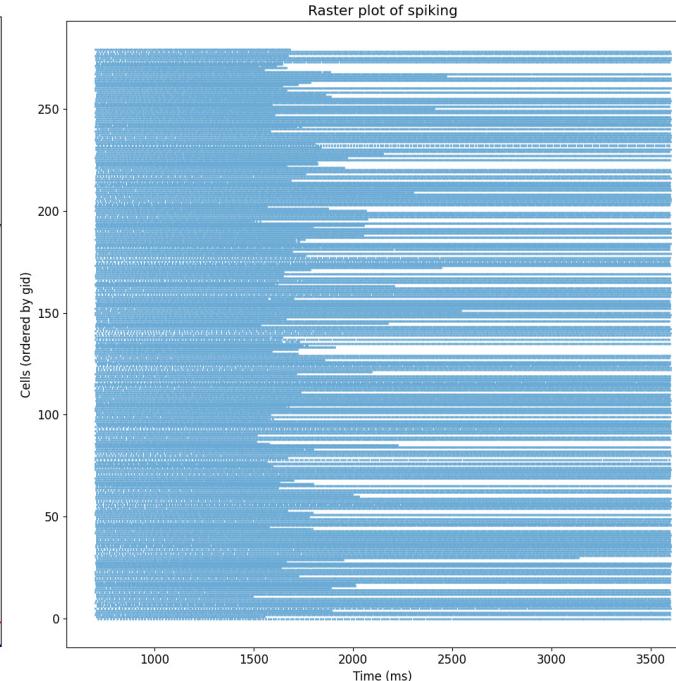
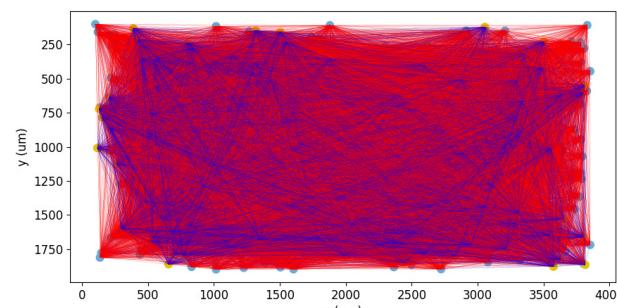


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_54/data.json
SimLabel	gen_0_cand_54
Generation Rank	24/119

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': 34411.42065588981, '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': 0.2777777777777778, 'Fit': 1.1751715552588713}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 27479.605192797935, 'Fit': 1000}
slopeFitness	{'Value': -285.3473027276188, 'Fit': 1000}
thresh	{'Value': 24212.860119972876, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 19.867549668874172, 'Fit': 1000}
E_rate_fitness	{'Value': 80.58730158730158, 'Fit': 1000}
I_rate_fitness	{'Value': 4.268518518518518, 'Fit': 1.5557326586403586}
maxFitness	1000
average_fitness	833.5609086844916
average_scaled_fitness	0.833365084071179

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

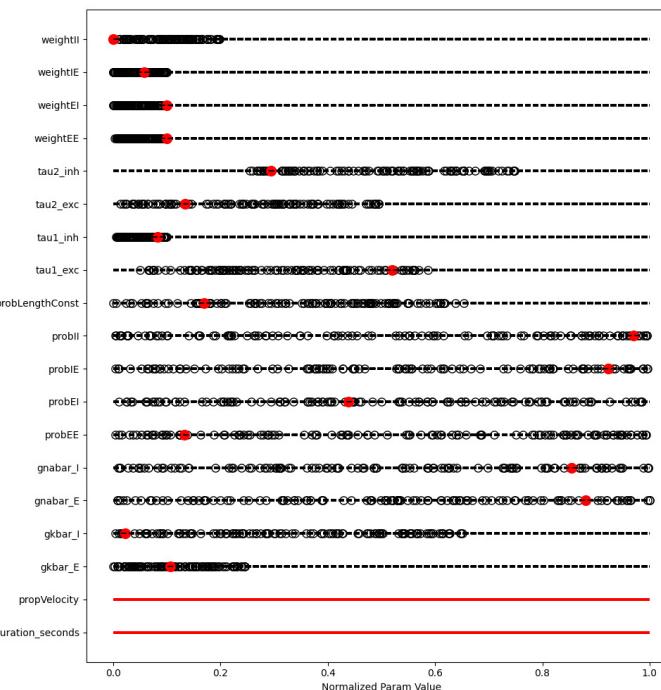
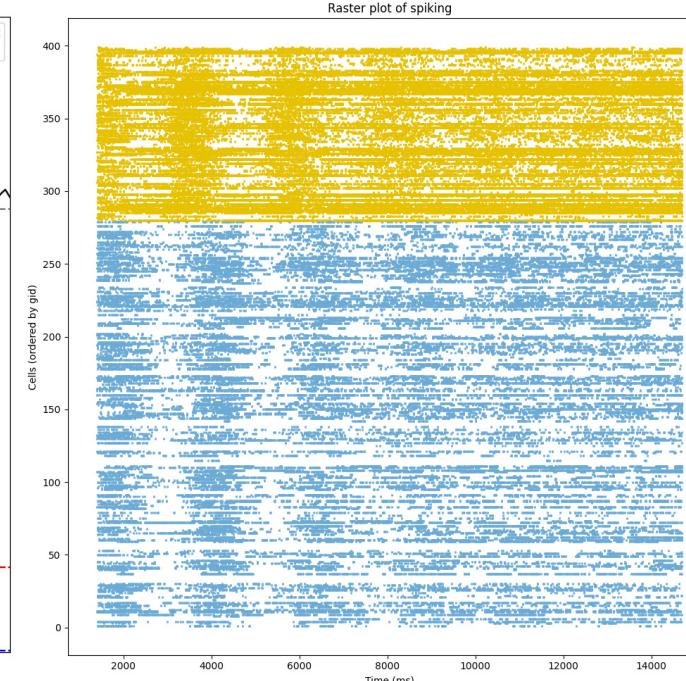
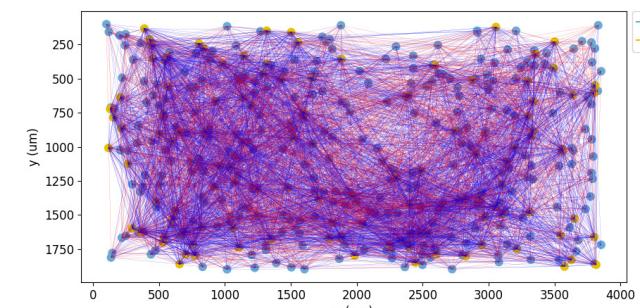


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_2_data.json
SimLabel	gen_0_cand_2
Generation Rank	3/119

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': 1.00005918646855756}
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

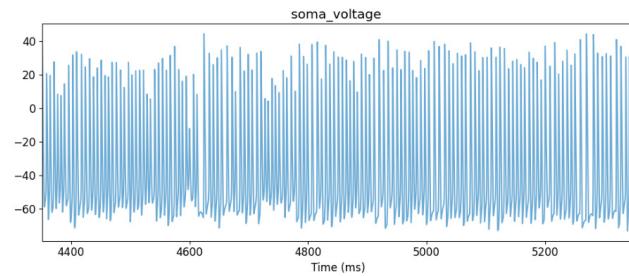
Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



cell_0_excitatory



cell_280_inhibitory

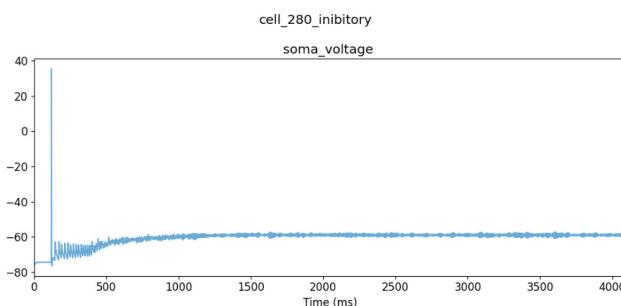
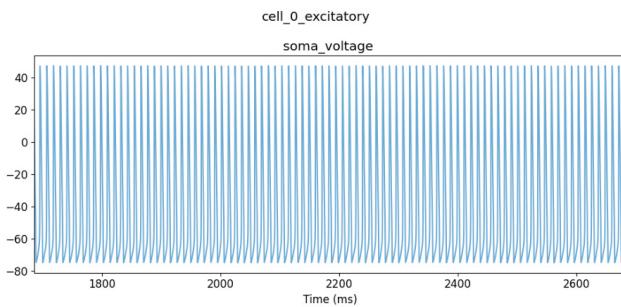
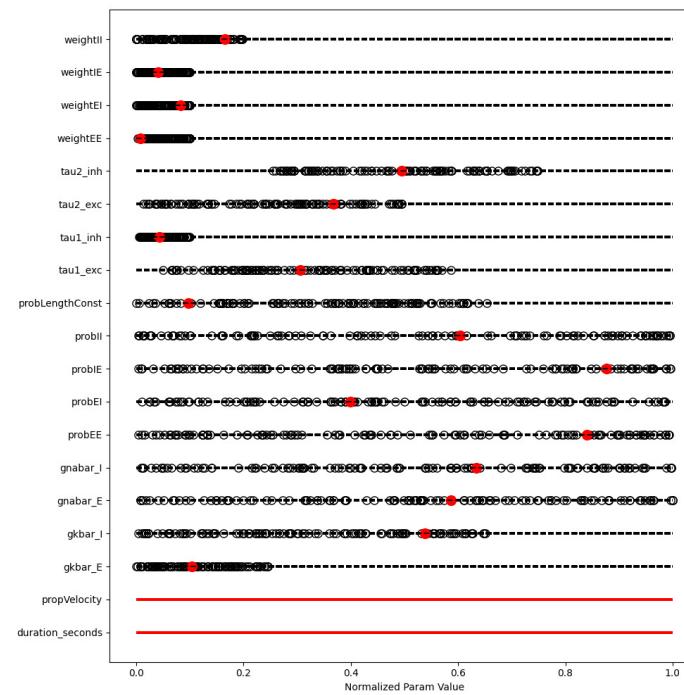
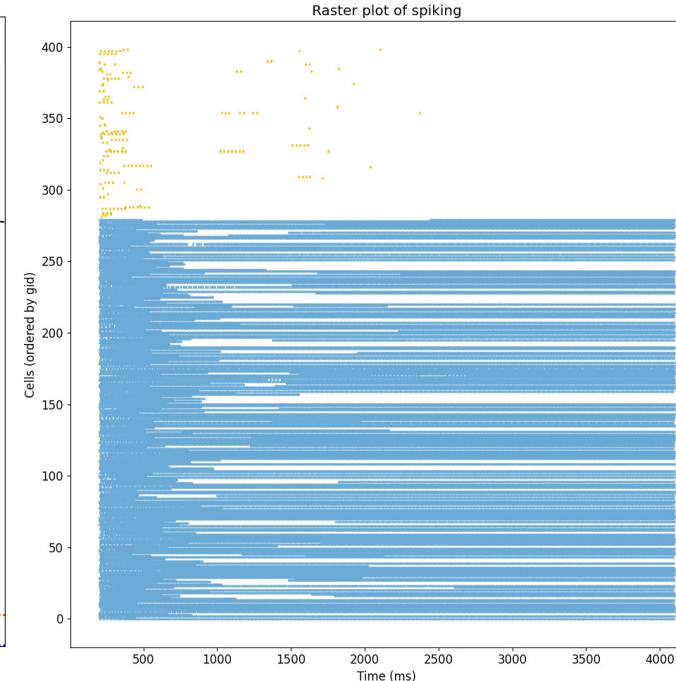
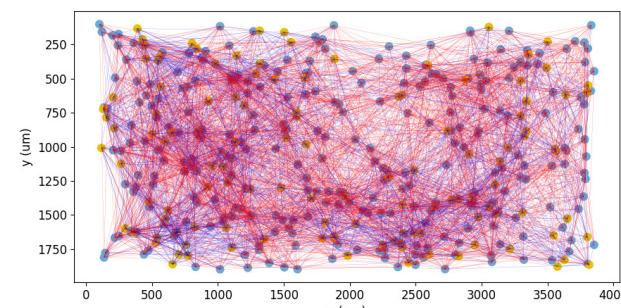


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_70_data.json
SimLabel	gen_0_cand_70
Generation Rank	23/119

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': 22848.936785612932, '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': 0.4878048780487804, 'Fit': 1.4498226544625668}
IBI_fitness	{'Value': 3.4000000000000004, 'Fit': 1.0004870200914757}
baseline_fitness	{'Value': 19594.607354884967, 'Fit': 1000}
slopeFitness	{'Value': -98.95517728226031, 'Fit': 1000}
thresh	{'Value': 18948.19911615703, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 26.490066225165563, 'Fit': 1000}
E_rate_fitness	{'Value': 83.66650793650792, 'Fit': 1000}
I_rate_fitness	{'Value': 2.4537037037037037, 'Fit': 1000}
maxFitness	1000
average_fitness	833.5375258062128
average_scaled_fitness	0.8333708154699221

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

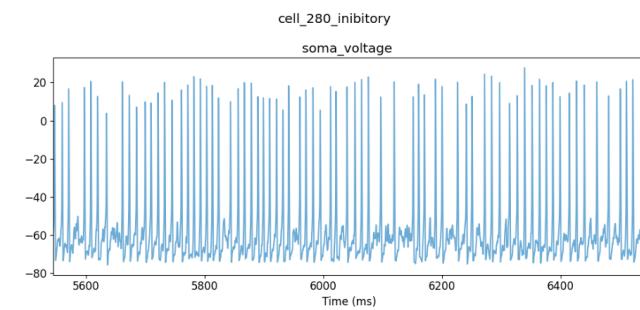
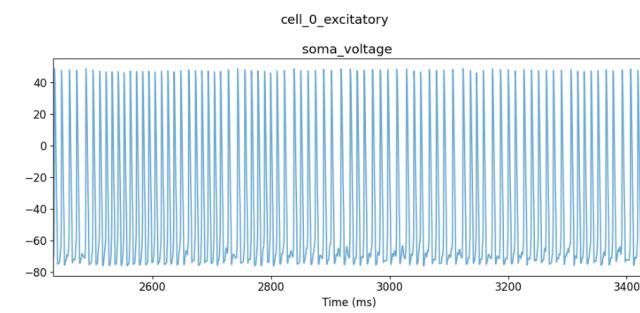
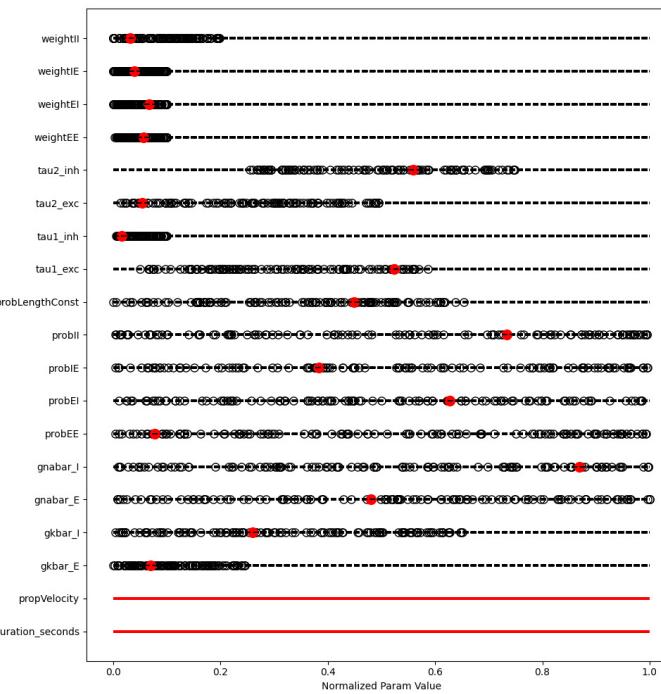
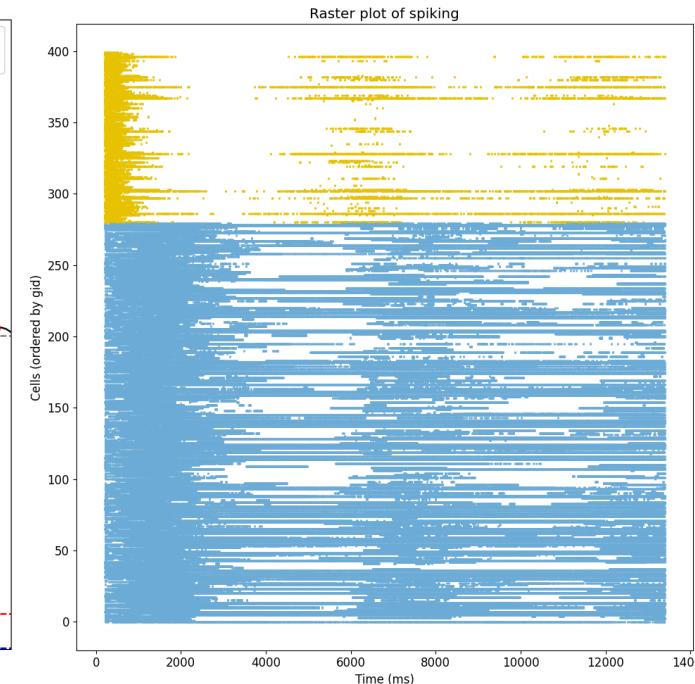
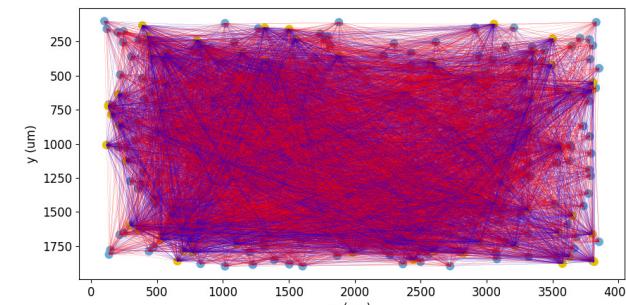


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_94/data.json
SimLabel	gen_0_cand_94
Generation Rank	18/119

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': 16753.93471752048, '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': 0.22388059701492538, 'Fit': 1.113509746436895}
IBI_fitness	{'Value': 5.70000000000001, 'Fit': 1.0002791717933233}
baseline_fitness	{'Value': 11836.239722357583, 'Fit': 1000}
slopeFitness	{'Value': -56.31623327453883, 'Fit': 1000}
thresh	{'Value': 12350.908472008728, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 88.0794701986755, 'Fit': 16.83671845754203}
E_rate_fitness	{'Value': 41.43650793650794, 'Fit': 1000}
I_rate_fitness	{'Value': 40.57407407407407, 'Fit': 1000}
maxFitness	1000
average_fitness	751.579208947981
average_scaled_fitness	0.7513304699964589

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

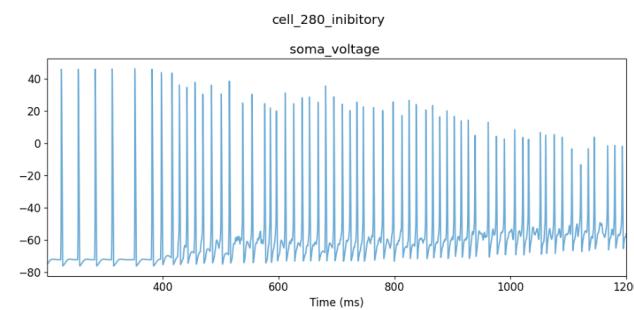
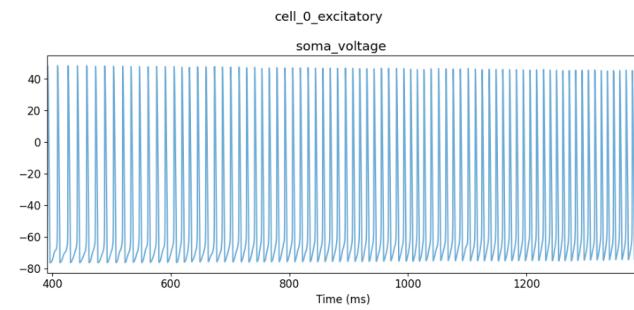
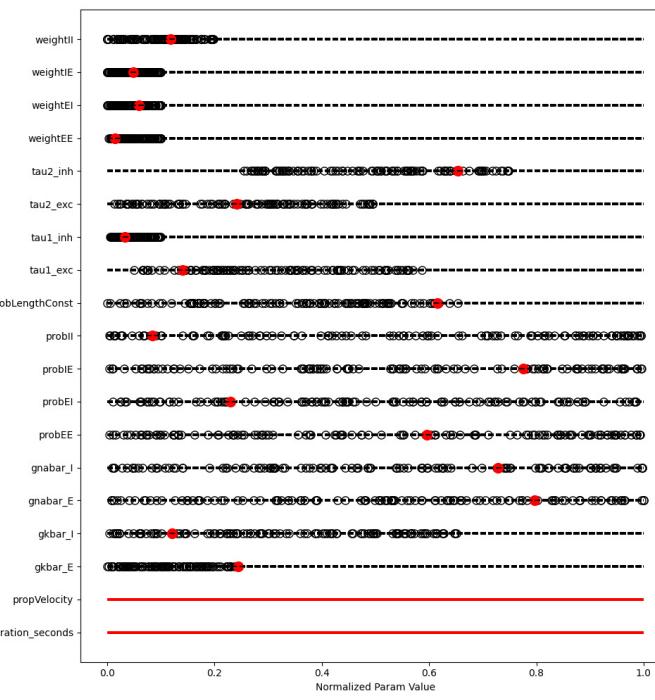
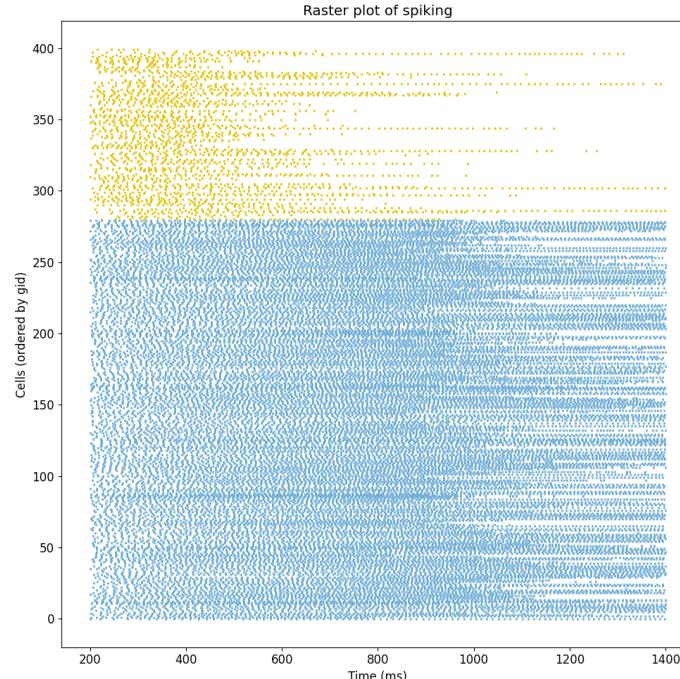
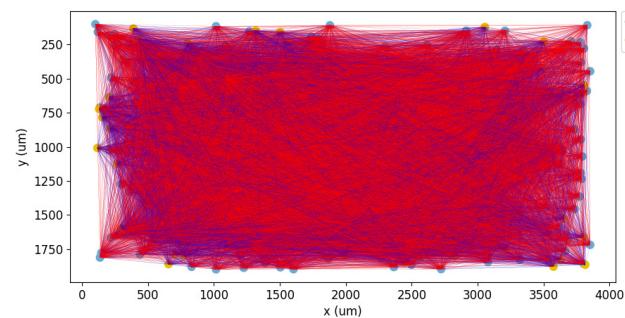


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_100_data.json
SimLabel	gen_0_cand_100
Generation Rank	26/119

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': 30495.61574951851, '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': 0.7142857142857142, 'Fit': 1.818336510519313}
IBI_fitness	{'Value': None, 'Fit': 1000}
baseline_fitness	{'Value': 25198.478819275035, 'Fit': 1000}
slopeFitness	{'Value': -327.1112440158166, 'Fit': 1000}
thresh	{'Value': 17787.99275940231, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 8.609271523178808, 'Fit': 1000}
E_rate_fitness	{'Value': 87.15079365079364, 'Fit': 1000}
I_rate_fitness	{'Value': 24.62037037037037, 'Fit': 1000}
maxFitness	1000
average_fitness	916.8181947092099
average_scaled_fitness	0.9166666666666666

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

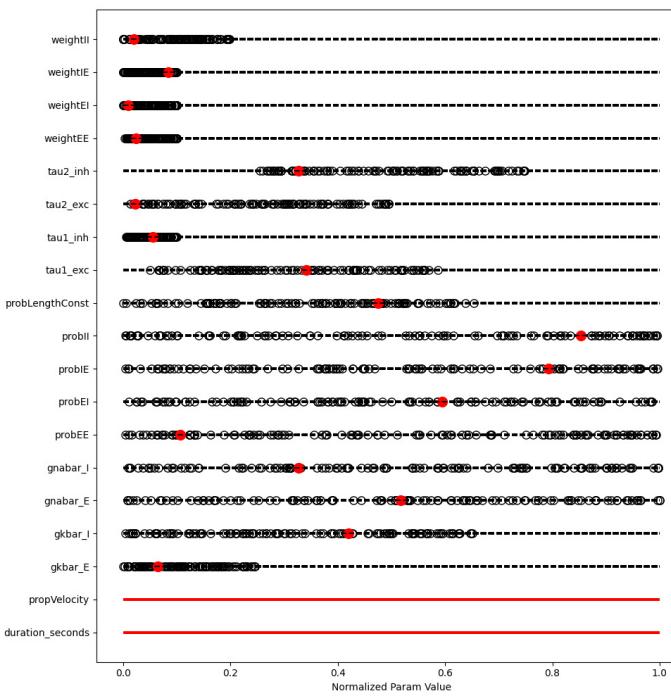
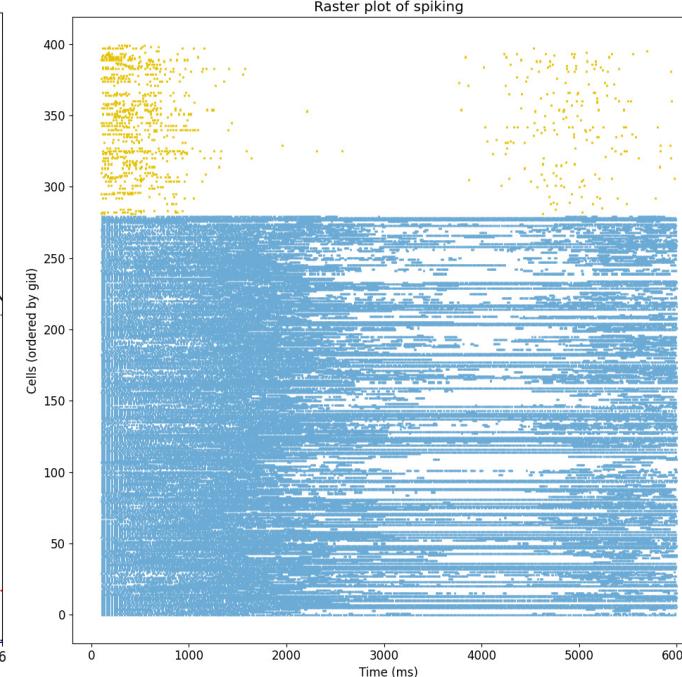
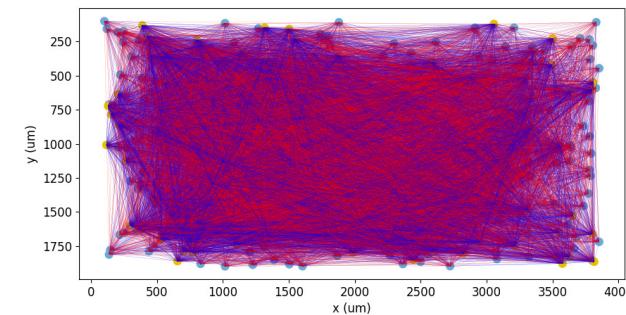


Description	Value
Data Directory	/NERSC/output/240511_Run27_16proc/gen_0/gen_0_cand_103_data.json
SimLabel	gen_0_cand_103
Generation Rank	16/119

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}}

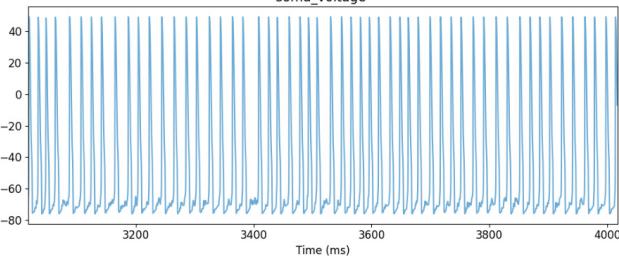
Metric	Value
BigBurstVal_Fitness	{'Value': 13344.22297577763, 'Fit': 1000.0}
numBig_Fitness	{'Value': 2, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.3333333333333333, 'Fit': 1.2423064559171904}
IBI_fitness	{'Value': 3.9, 'Fit': 1.0004418319963593}
baseline_fitness	{'Value': 10164.710107816394, 'Fit': 1000}
slopeFitness	{'Value': -123.48479667999794, 'Fit': 1000}
thresh	{'Value': 8917.623230143367, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 39.735099337748345, 'Fit': 1000}
E_rate_fitness	{'Value': 42.84920634920635, 'Fit': 1000}
I_rate_fitness	{'Value': 6.592592592592593, 'Fit': 6.567462130032675}
maxFitness	1000
average_fitness	750.7341842014956
average_scaled_fitness	0.750484558516106

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

