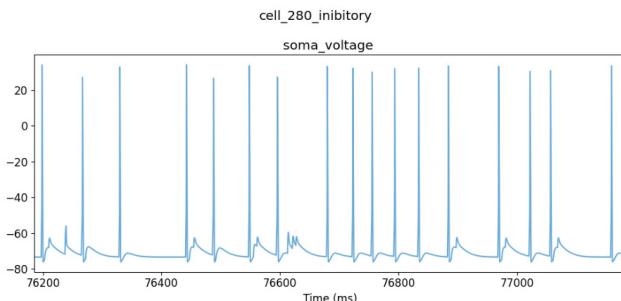
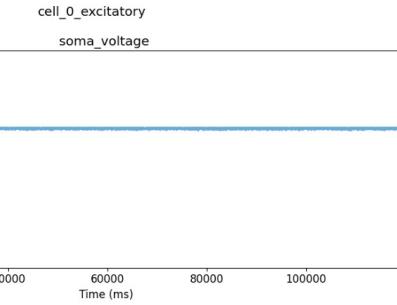
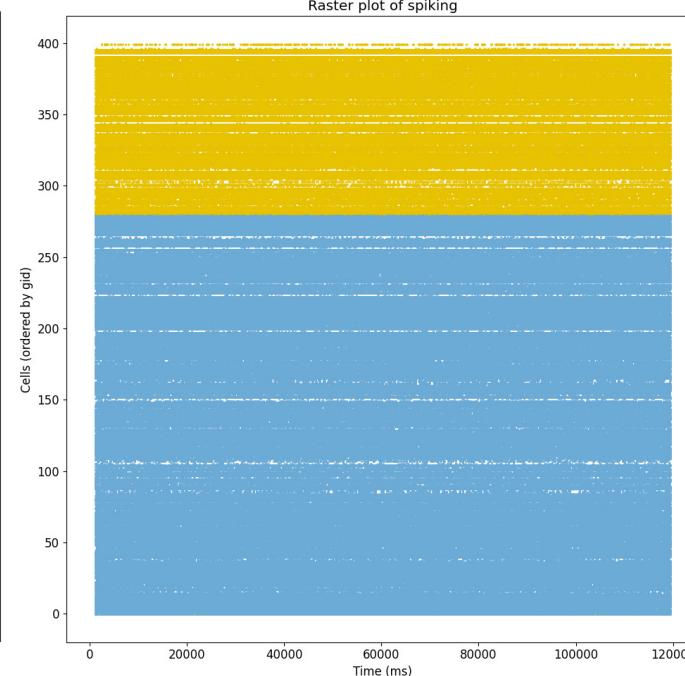
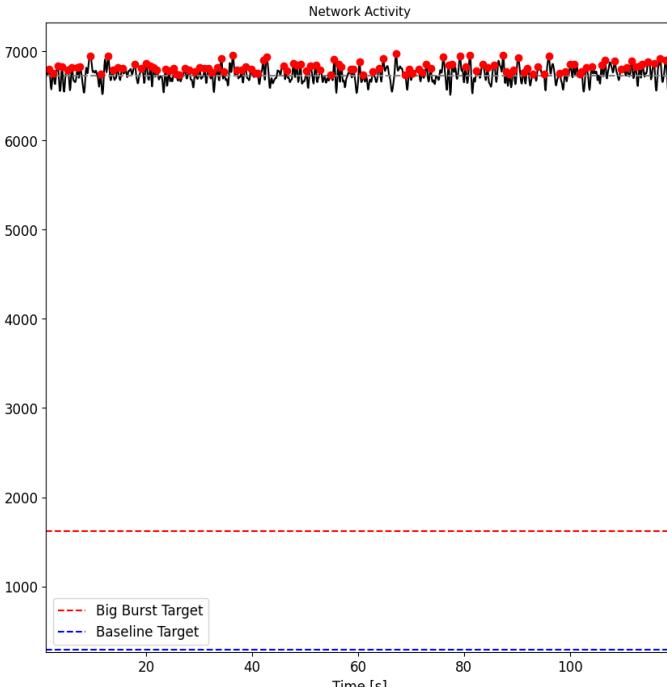
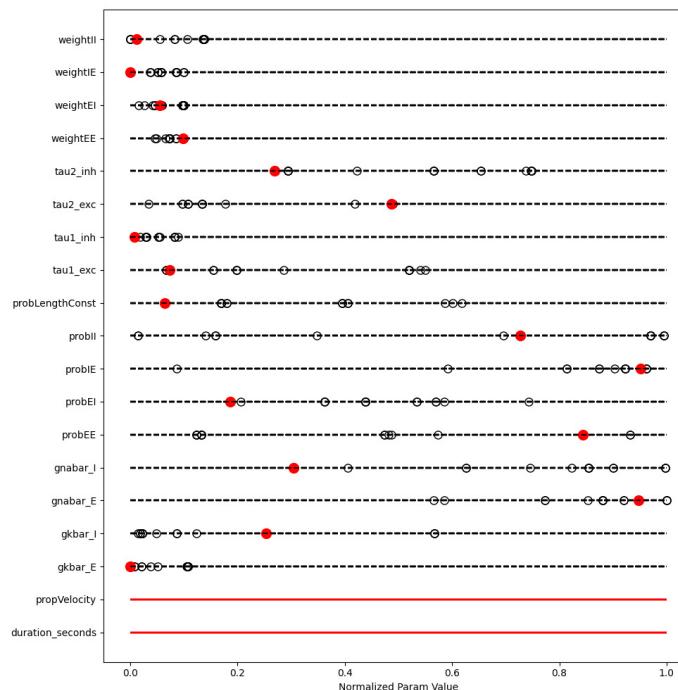
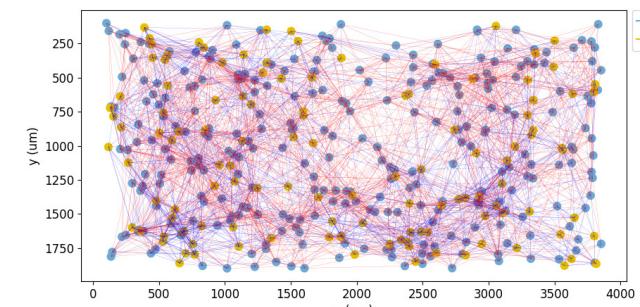


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_0_data.json
SimLabel	gen_0_cand_0
Generation Rank	13/15

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': 6825.557027871342, 'Fit': 1000.0}
numBig_Fitness	{'Value': 115, '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': 0.9623430962343096, 'Fit': 2.330259092447114}
IBI_fitness	{'Value': 1.0280701754385966, 'Fit': 1.000701414805254}
baseline_fitness	{'Value': 6738.560424028936, 'Fit': 1000}
slopeFitness	{'Value': 0.024993698278552638, 'Fit': 1.0227511329438679}
thresh	{'Value': 6728.894081456933, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.66777685262281, 'Fit': 1000}
E_rate_fitness	{'Value': 19.46825396825397, 'Fit': 1000}
I_rate_fitness	{'Value': 8.916666666666666, 'Fit': 67.10117468898616}
maxFitness	1000
average_fitness	672.621240527432
average_scaled_fitness	0.6722933039730766

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

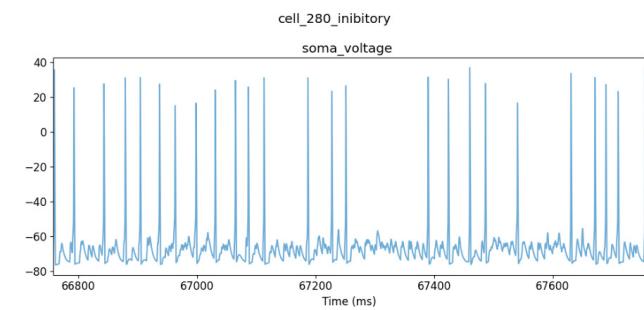
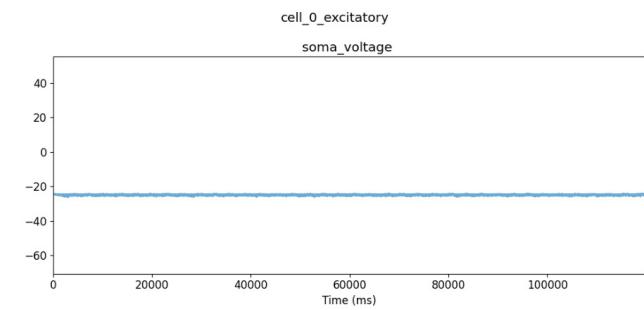
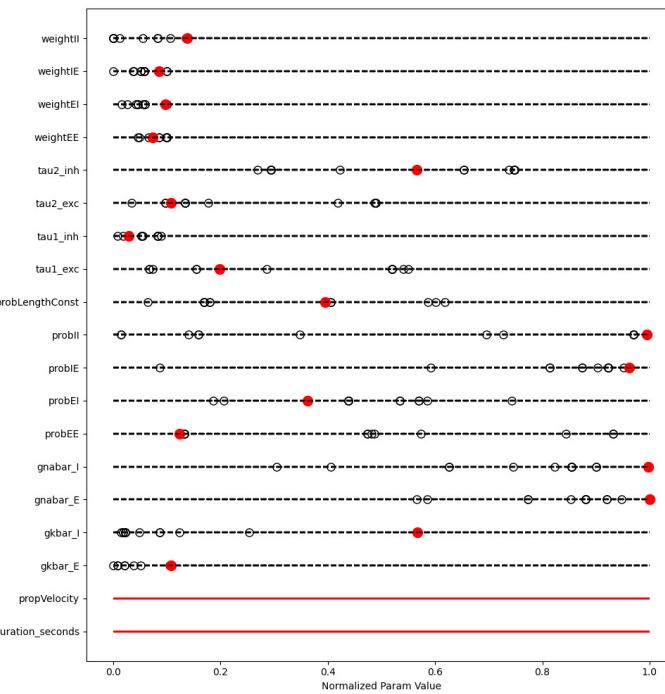
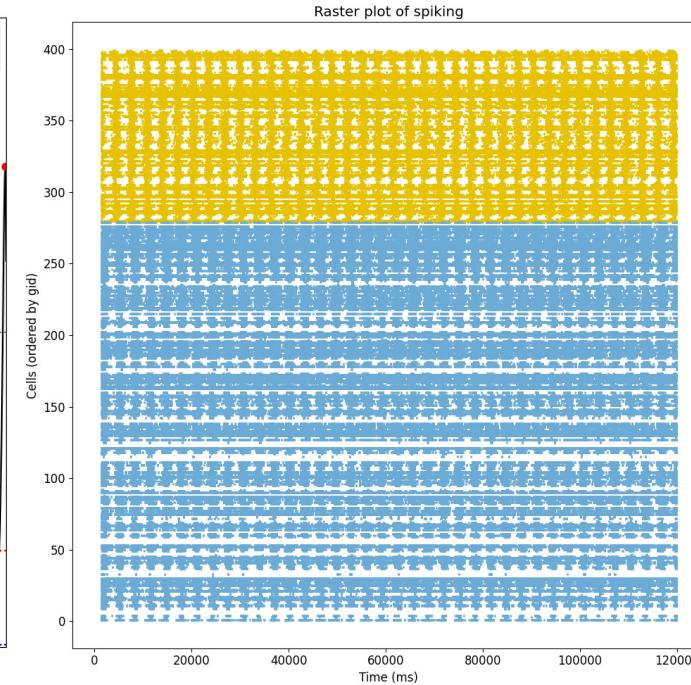
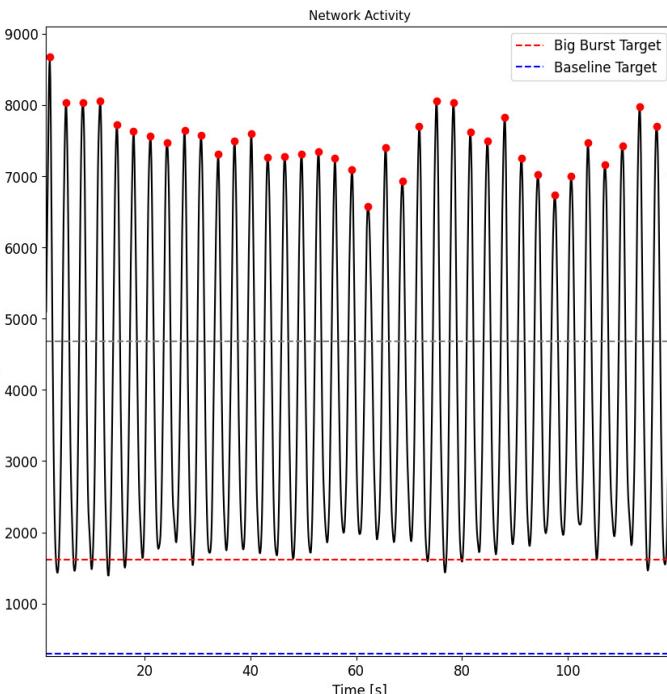


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_1_data.json
SimLabel	gen_0_cand_1
Generation Rank	11/15

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': 4.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 7492.263484308968, 'Fit': 1000.0}
numBig_Fitness	{'Value': 38, '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': 0.31693077564637195, 'Fit': 1.2220956601117494}
IBI_fitness	{'Value': 3.1783783783788, 'Fit': 1.0005070500977509}
baseline_fitness	{'Value': 4208.600048138018, 'Fit': 1000}
slopeFitness	{'Value': -0.10720011466095222, 'Fit': 1.1159405895479915}
thresh	{'Value': 4678.881656788447, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.7510407993339, 'Fit': 1000}
E_rate_fitness	{'Value': 2.4563492063492065, 'Fit': 4.850018598329761}
I_rate_fitness	{'Value': 15.435185185185185, 'Fit': 1000}
maxFitness	1000
average_fitness	667.3490468248406
average_scaled_fitness	0.6670158938790962

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

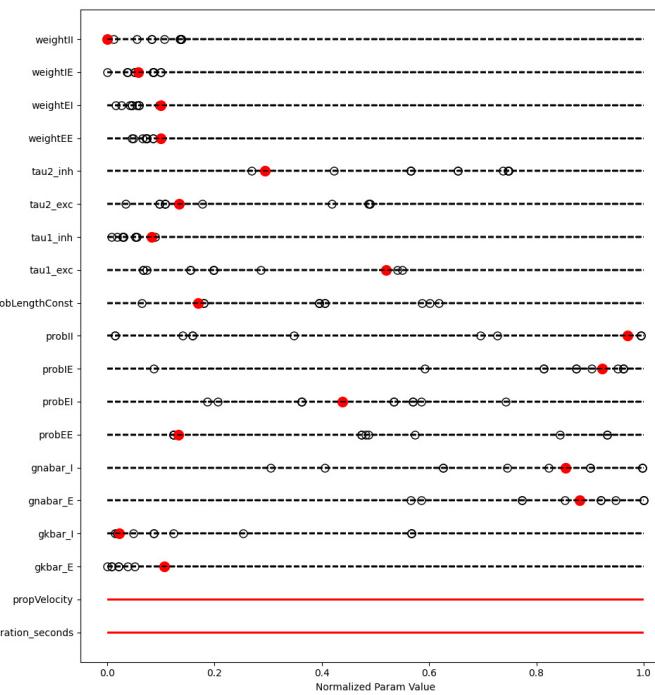
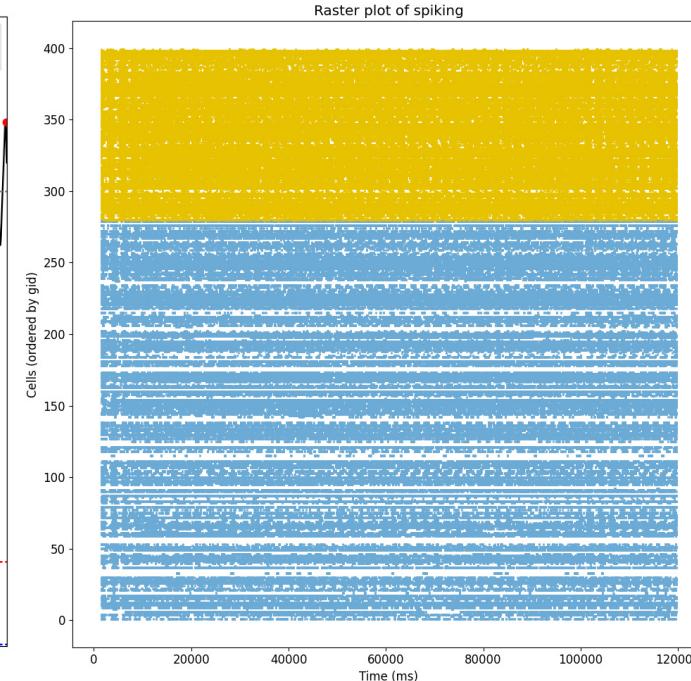
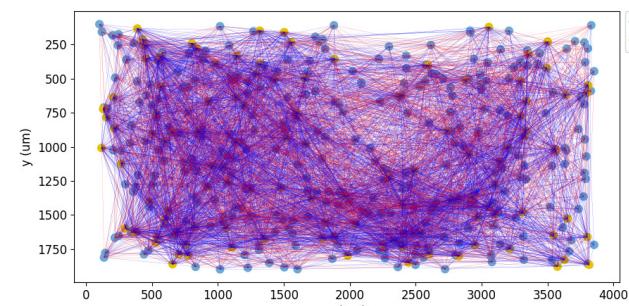


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_2_data.json
SimLabel	gen_0_cand_2
Generation Rank	8/15

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}}

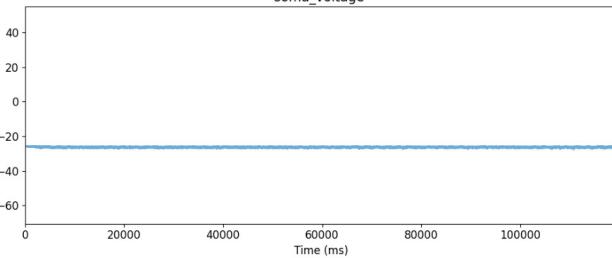
Metric	Value
BigBurstVal_Fitness	{'Value': 8310.788191615196, 'Fit': 1000.0}
numBig_Fitness	{'Value': 56, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4678362573099415, 'Fit': 1.4211588366489025}
IBI_fitness	{'Value': 2.14, 'Fit': 1.0006009038870904}
baseline_fitness	{'Value': 7572.595253483548, 'Fit': 1000}
slopeFitness	{'Value': 0.0809412620217627, 'Fit': 1.081602512566344}
thresh	{'Value': 7561.981787697178, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.50124895920067, 'Fit': 1000}
E_rate_fitness	{'Value': 1.6666666666666665, 'Fit': 2.2018545883903475}
I_rate_fitness	{'Value': 23.324074074074073, 'Fit': 1000}
maxFitness	1000
average_fitness	667.1421014034577
average_scaled_fitness	0.6668087098974138

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



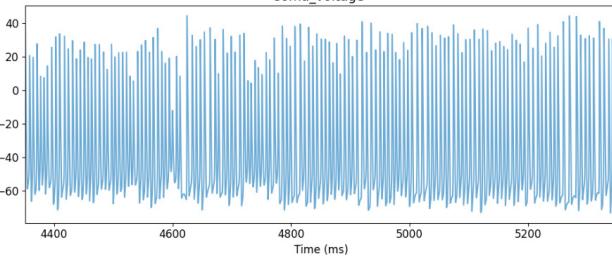
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

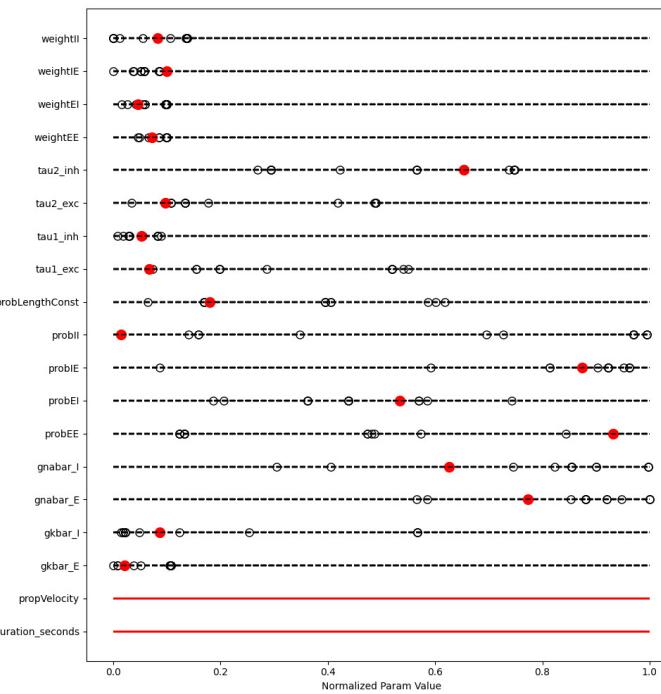
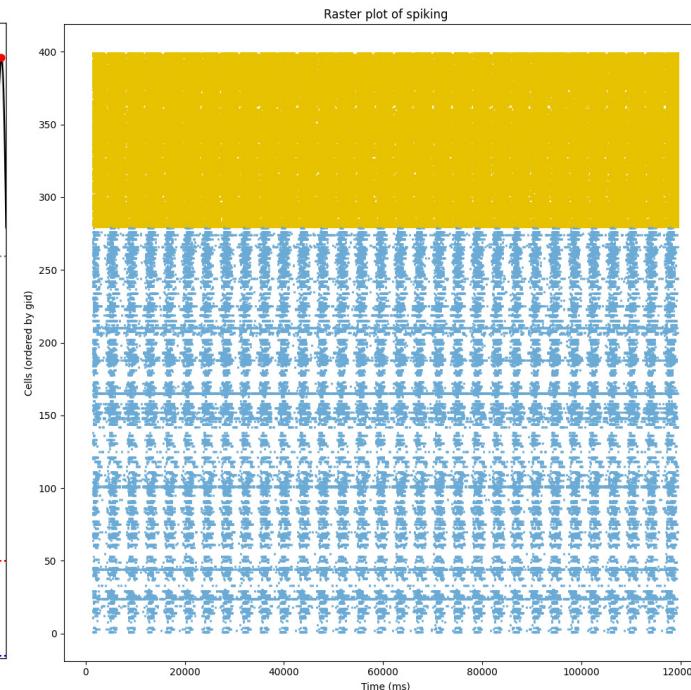
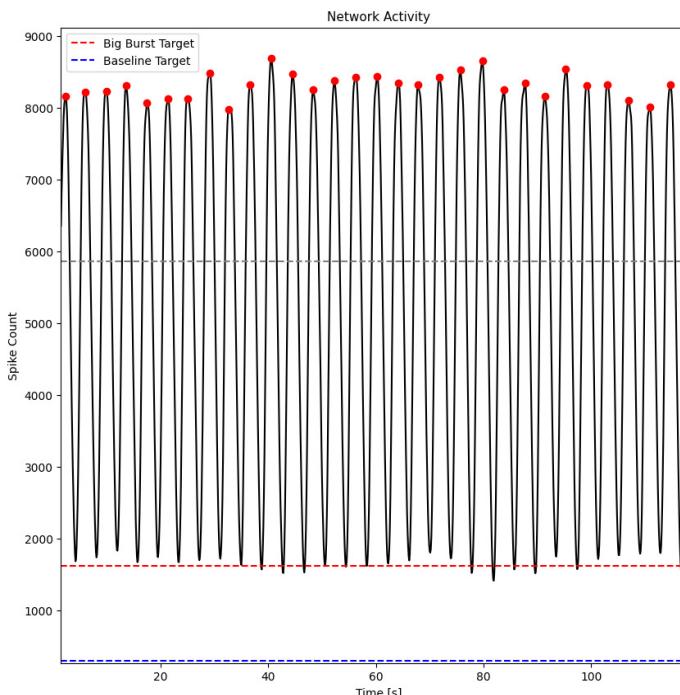


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_3_data.json
SimLabel	gen_0_cand_3
Generation Rank	0/15

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}}

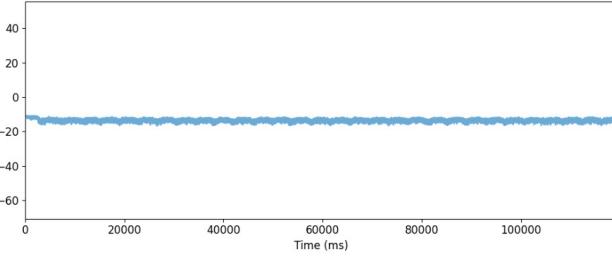
Metric	Value
BigBurstVal_Fitness	{'Value': 8317.87564969356, 'Fit': 1000.0}
numBig_Fitness	{'Value': 31, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.2594142259414226, 'Fit': 1.1537881698459544}
IBI_fitness	{'Value': 3.8733333333333335, 'Fit': 1.0004442420743607}
baseline_fitness	{'Value': 5366.388889037755, 'Fit': 1000}
slopeFitness	{'Value': 0.0702668694482341, 'Fit': 1.0701184643976425}
thresh	{'Value': 5864.632876510926, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.33472106577852, 'Fit': 1000}
E_rate_fitness	{'Value': 0.8849206349206349, 'Fit': 1.0075825714157556}
I_rate_fitness	{'Value': 18.416666666666664, 'Fit': 1000}
maxFitness	1000
average_fitness	667.0193277873111
average_scaled_fitness	0.6666858655807294

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



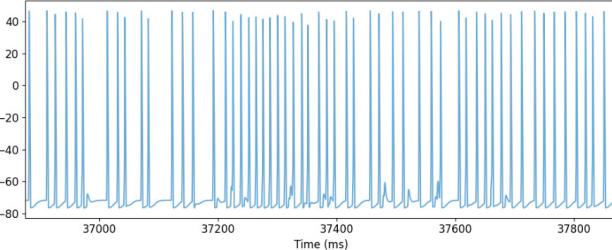
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

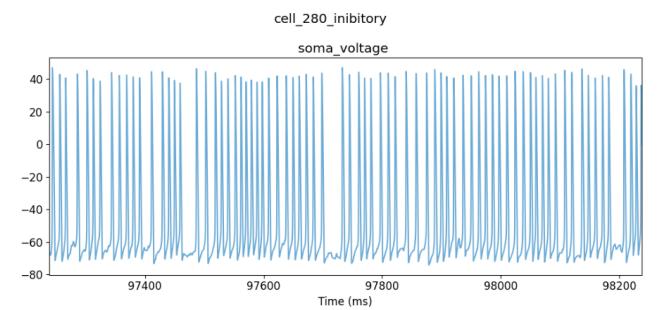
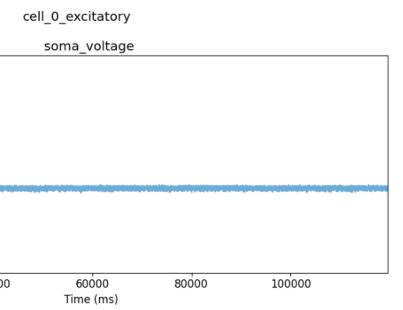
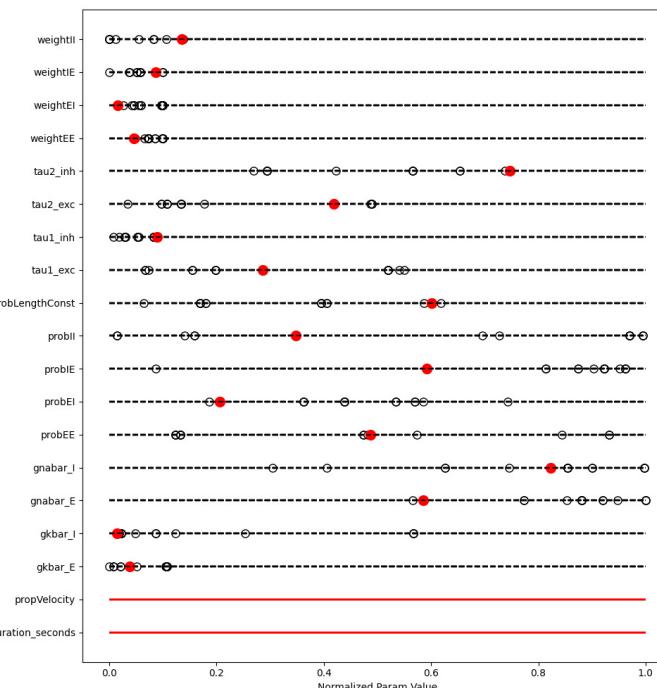
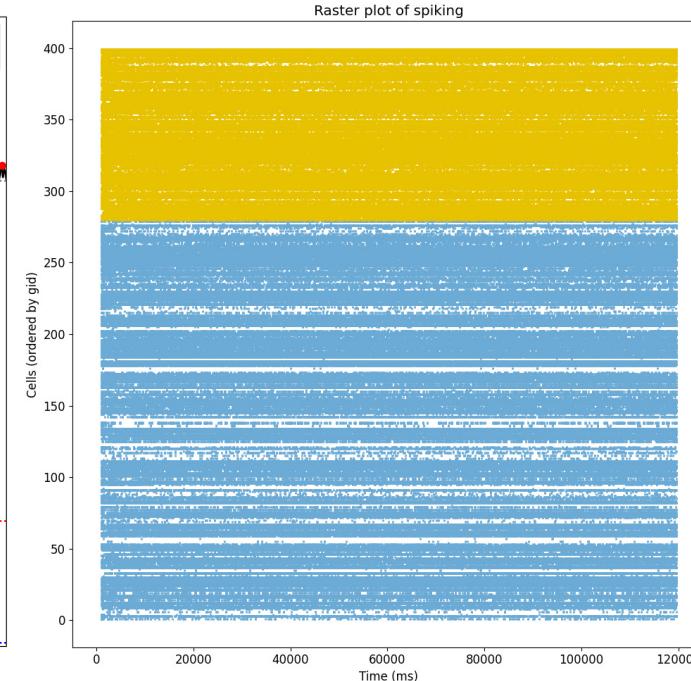
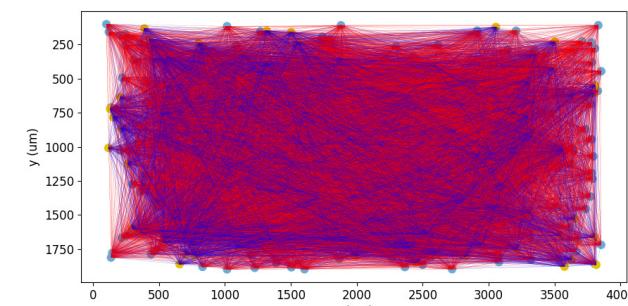


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_4_data.json
SimLabel	gen_0_cand_4
Generation Rank	12/15

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': 5419.376536310679, 'Fit': 1000.0}
numBig_Fitness	{'Value': 84, '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': 0.7023411371237458, 'Fit': 1.7967464485361306}
IBI_fitness	{'Value': 1.4144578313253013, 'Fit': 1.0006664881837644}
baseline_fitness	{'Value': 5299.194171020919, 'Fit': 1000}
slopeFitness	{'Value': -0.03961754640647169, 'Fit': 1.0430144801705923}
thresh	{'Value': 5284.16607528845, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.83430474604496, 'Fit': 1000}
E_rate_fitness	{'Value': 4.833333333333333, 'Fit': 52.24617417501778}
I_rate_fitness	{'Value': 16.97222222222222, 'Fit': 1000}
maxFitness	1000
average_fitness	671.3405501326589
average_scaled_fitness	0.6710113422078138

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

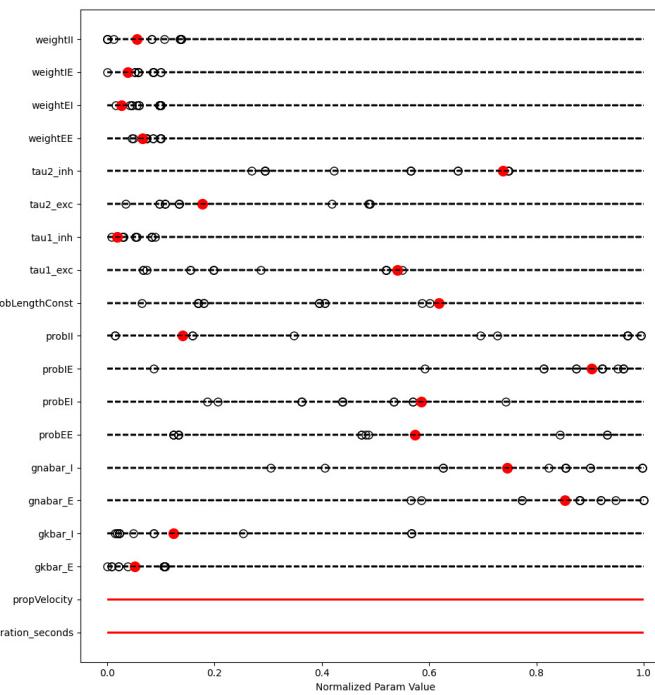
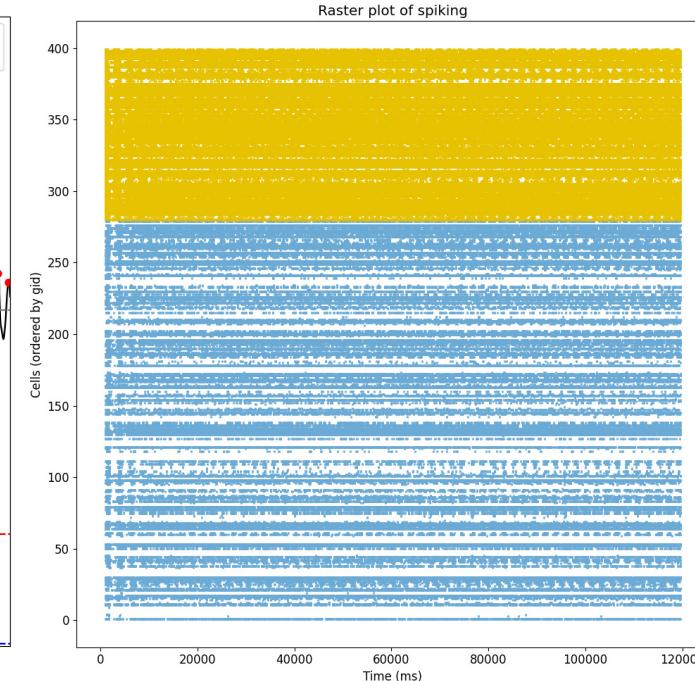
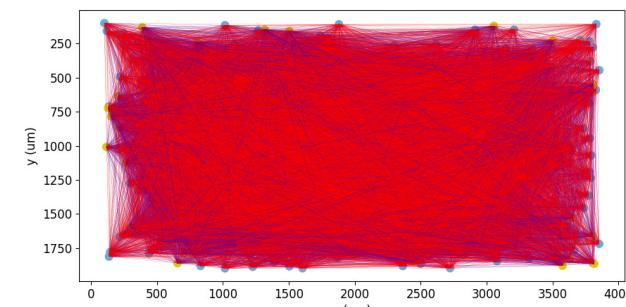


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_5_data.json
SimLabel	gen_0_cand_5
Generation Rank	4/15

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}}

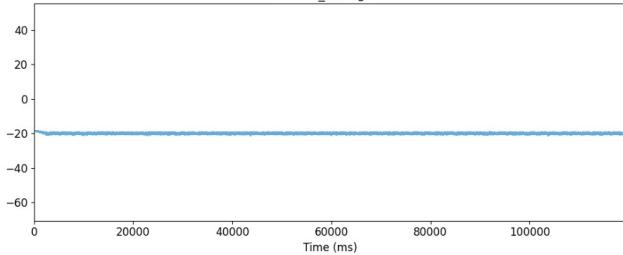
Metric	Value
BigBurstVal_Fitness	{'Value': 4665.823884929335, 'Fit': 1000.0}
numBig_Fitness	{'Value': 61, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.5100334448160535, 'Fit': 1.4824109882764753}
IBI_fitness	{'Value': 1.9633333333333336, 'Fit': 1.000061687309766}
baseline_fitness	{'Value': 4316.081410075004, 'Fit': 1000}
slopeFitness	{'Value': -0.015381324539790348, 'Fit': 1.0180396204356945}
thresh	{'Value': 4321.071623690834, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.83430474604496, 'Fit': 1000}
E_rate_fitness	{'Value': 0.36507936507936506, 'Fit': 1.669104577710649}
I_rate_fitness	{'Value': 27.462962962962962, 'Fit': 1000}
maxFitness	1000
average_fitness	667.0975143382933
average_scaled_fitness	0.6667640728468616

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



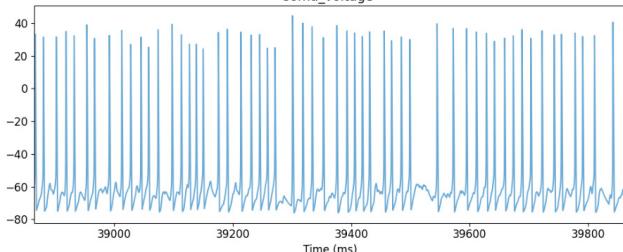
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

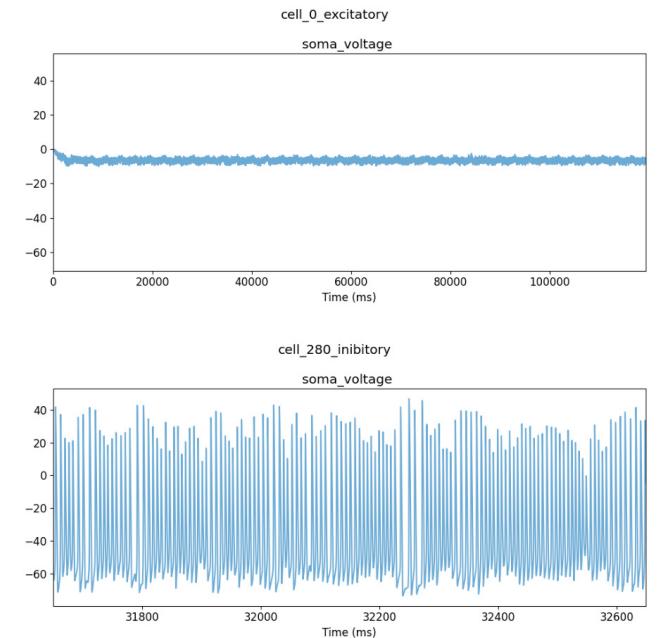
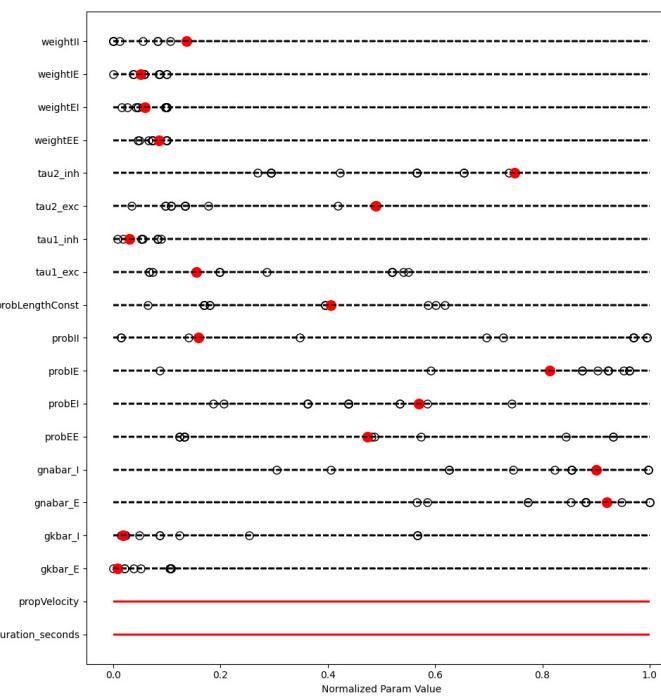
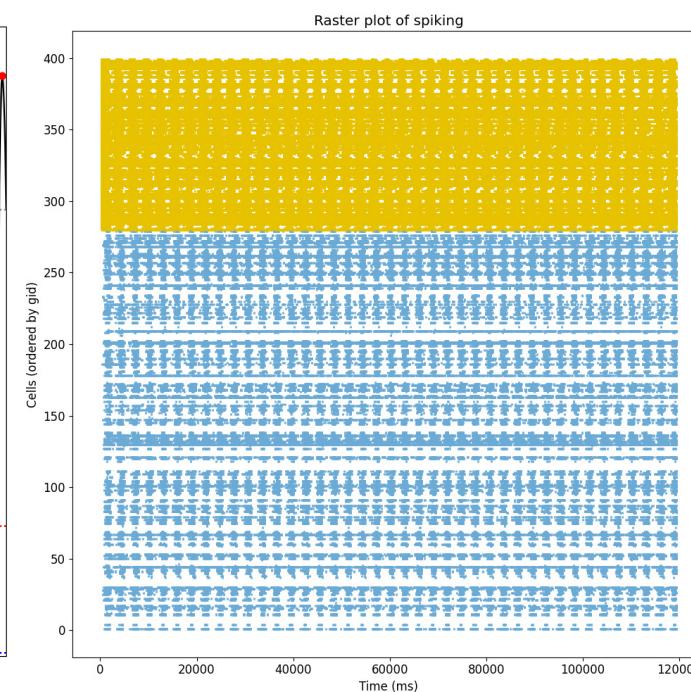
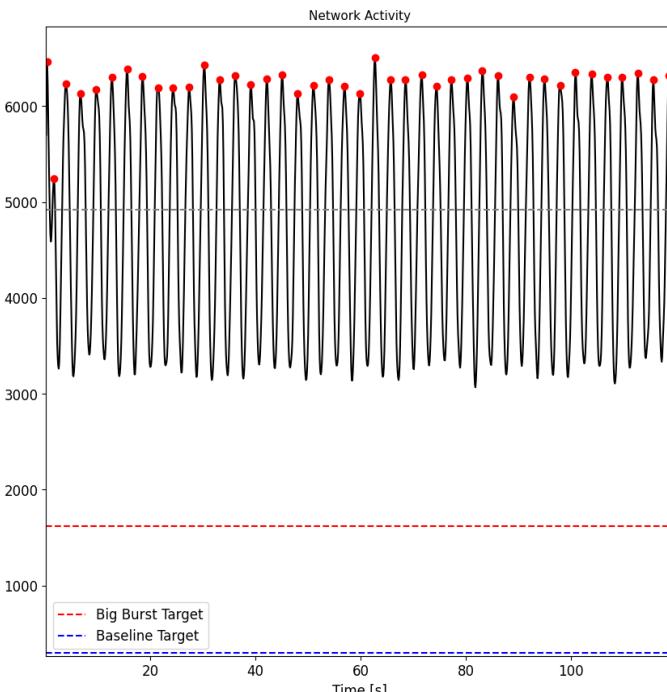


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_6_data.json
SimLabel	gen_0_cand_6
Generation Rank	2/15

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': 6251.891899959931, 'Fit': 1000.0}
numBig_Fitness	{'Value': 42, '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': 0.3517587939698492, 'Fit': 1.2654087058244887}
IBI_fitness	{'Value': 2.882926829268293, 'Fit': 1.0005337536778731}
baseline_fitness	{'Value': 4806.139096358937, 'Fit': 1000}
slopeFitness	{'Value': 0.008567144248198514, 'Fit': 1.0060880890772237}
thresh	{'Value': 4920.690233731585, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 99.33388842631142, 'Fit': 1000}
E_rate_fitness	{'Value': 0.5793650793650794, 'Fit': 1.3471639262782007}
I_rate_fitness	{'Value': 47.78703703703704, 'Fit': 1000}
maxFitness	1000
average_fitness	667.0515995395714
average_scaled_fitness	0.6667181397889417

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

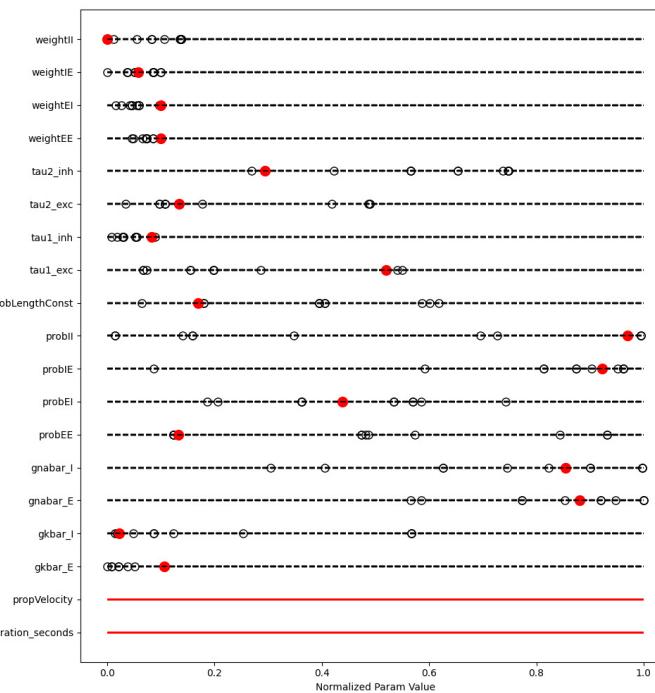
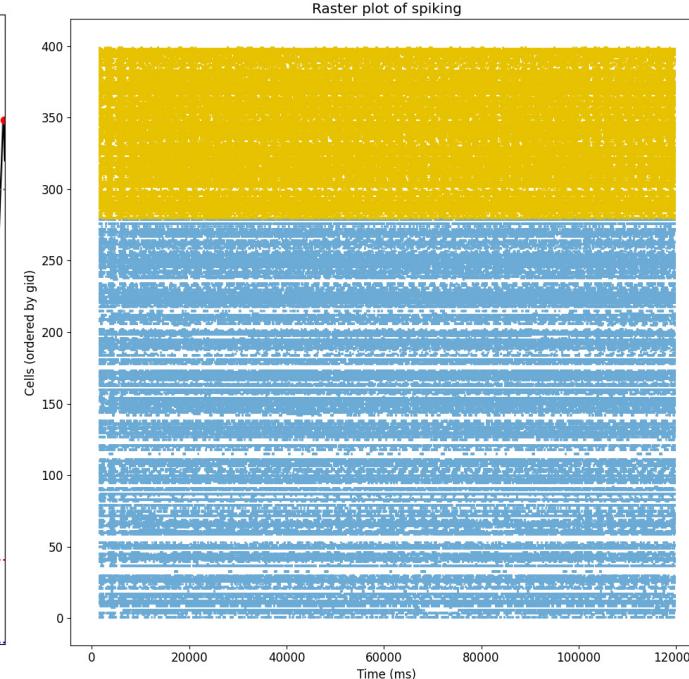
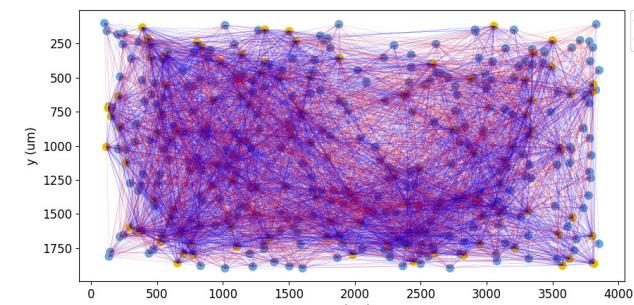


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_7/data.json
SimLabel	gen_0_cand_7
Generation Rank	5/15

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}}

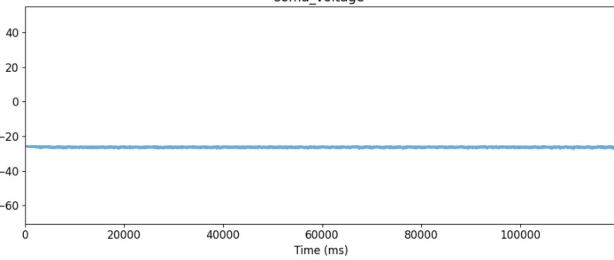
Metric	Value
BigBurstVal_Fitness	{'Value': 8310.788191615196, 'Fit': 1000.0}
numBig_Fitness	{'Value': 56, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4678362573099415, 'Fit': 1.4211588366489025}
IBI_fitness	{'Value': 2.14, 'Fit': 1.0006009038870904}
baseline_fitness	{'Value': 7572.595253483548, 'Fit': 1000}
slopeFitness	{'Value': 0.0809412620217627, 'Fit': 1.081602512566344}
thresh	{'Value': 7561.981787697178, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.50124895920067, 'Fit': 1000}
E_rate_fitness	{'Value': 1.6666666666666665, 'Fit': 2.2018545883903475}
I_rate_fitness	{'Value': 23.324074074074073, 'Fit': 1000}
maxFitness	1000
average_fitness	667.1421014034577
average_scaled_fitness	0.6668087098974138

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



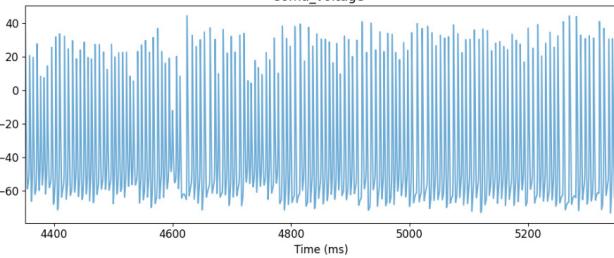
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

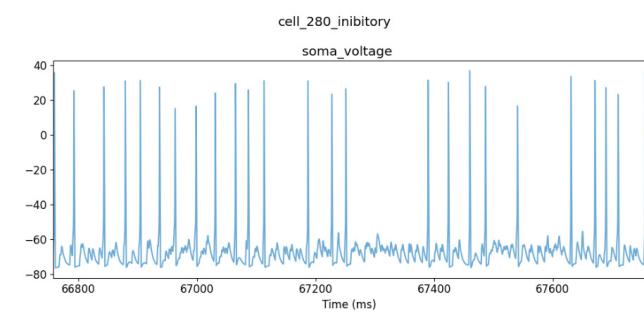
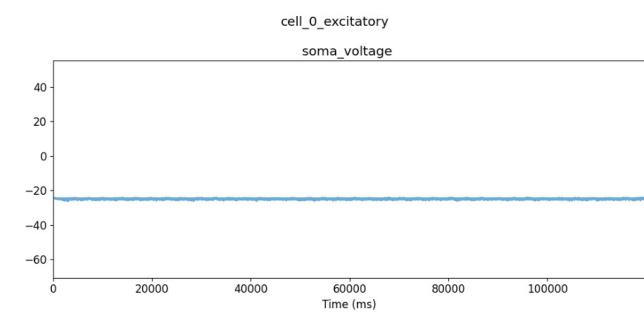
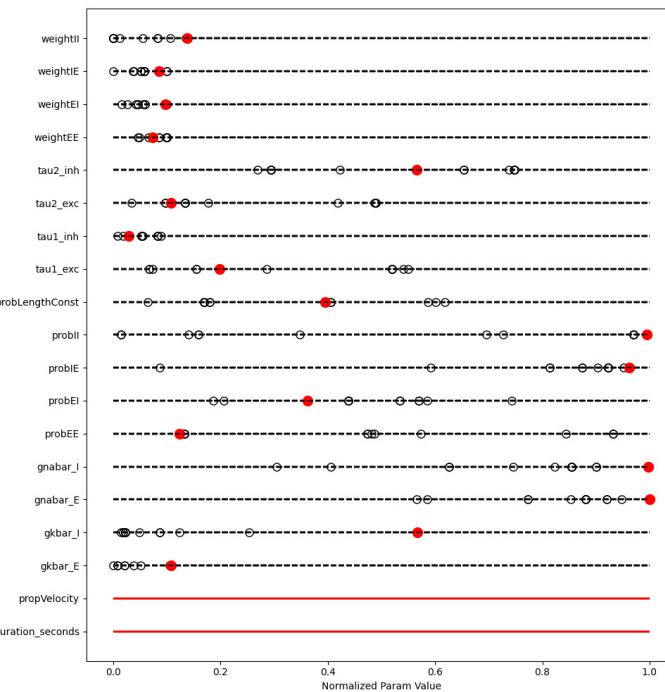
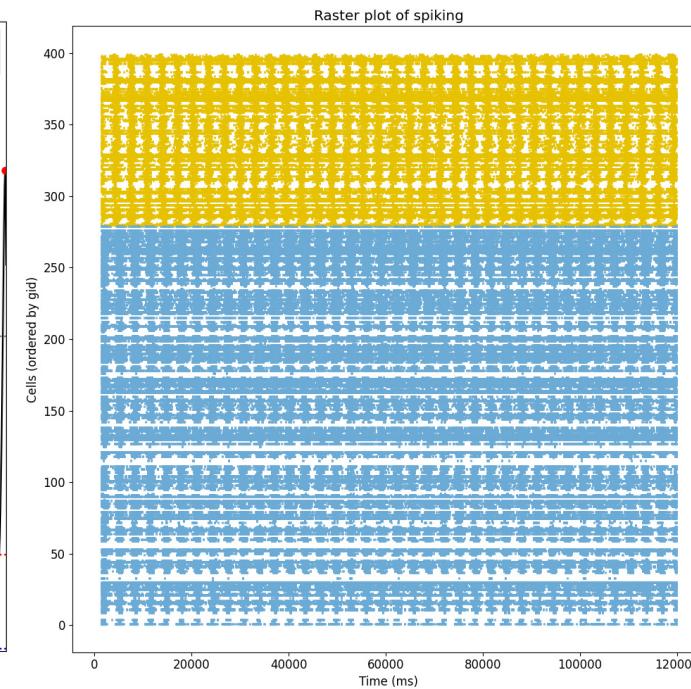
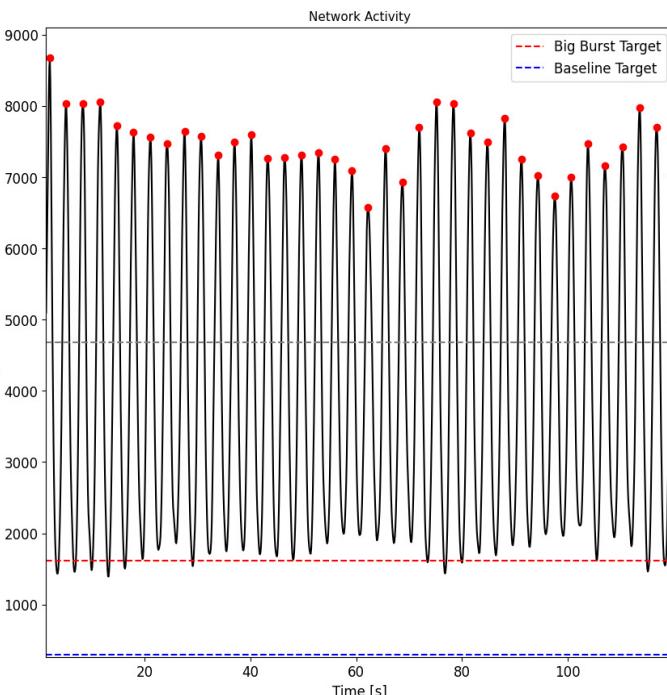


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_8_data.json
SimLabel	gen_0_cand_8
Generation Rank	10/15

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': 4.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}

Metric	Value
BigBurstVal_Fitness	{'Value': 7492.263484308968, 'Fit': 1000.0}
numBig_Fitness	{'Value': 38, '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': 0.31693077564637195, 'Fit': 1.2220956601117494}
IBI_fitness	{'Value': 3.1783783783788, 'Fit': 1.0005070500977509}
baseline_fitness	{'Value': 4208.600048138018, 'Fit': 1000}
slopeFitness	{'Value': -0.10720011466095222, 'Fit': 1.1159405895479915}
thresh	{'Value': 4678.881656788447, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.7510407993339, 'Fit': 1000}
E_rate_fitness	{'Value': 2.4563492063492065, 'Fit': 4.850018598329761}
I_rate_fitness	{'Value': 15.435185185185185, 'Fit': 1000}
maxFitness	1000
average_fitness	667.3490468248406
average_scaled_fitness	0.6670158938790962

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

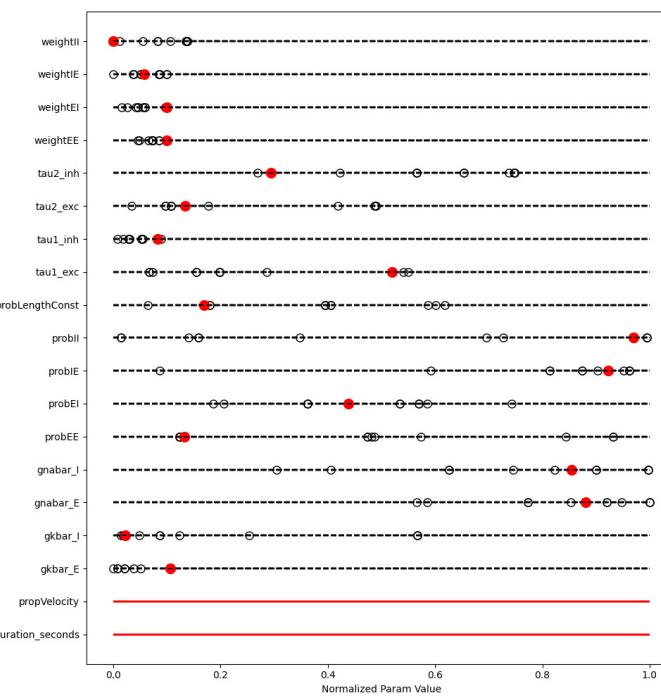
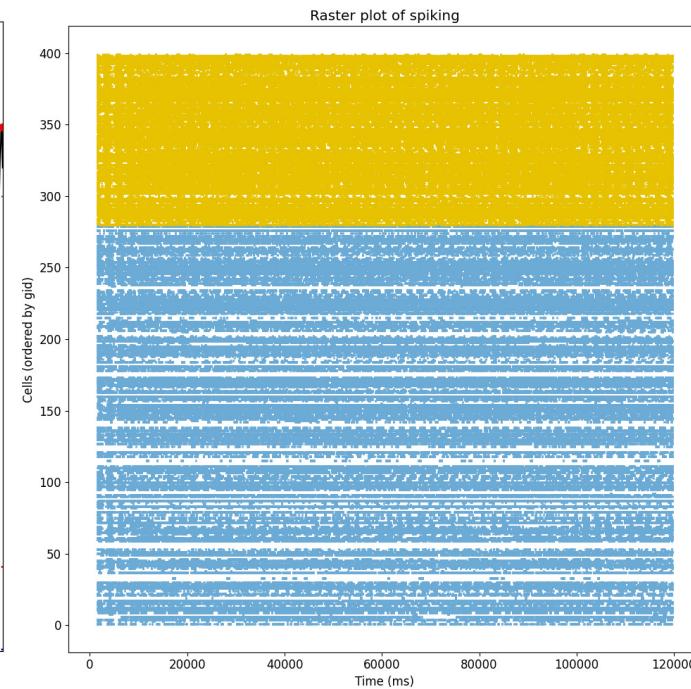
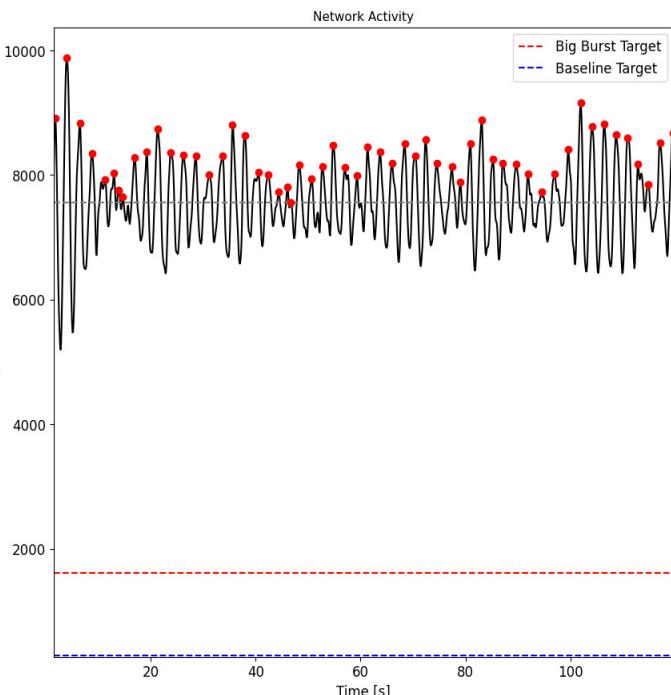


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_9_data.json
SimLabel	gen_0_cand_9
Generation Rank	7/15

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}}

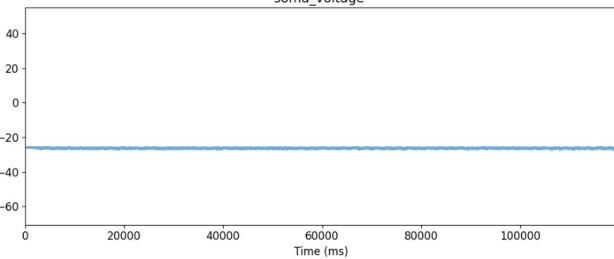
Metric	Value
BigBurstVal_Fitness	{'Value': 8310.788191615196, 'Fit': 1000.0}
numBig_Fitness	{'Value': 56, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4678362573099415, 'Fit': 1.4211588366489025}
IBI_fitness	{'Value': 2.14, 'Fit': 1.0006009038870904}
baseline_fitness	{'Value': 7572.595253483548, 'Fit': 1000}
slopeFitness	{'Value': 0.0809412620217627, 'Fit': 1.081602512566344}
thresh	{'Value': 7561.981787697178, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.50124895920067, 'Fit': 1000}
E_rate_fitness	{'Value': 1.6666666666666665, 'Fit': 2.2018545883903475}
I_rate_fitness	{'Value': 23.324074074074073, 'Fit': 1000}
maxFitness	1000
average_fitness	667.1421014034577
average_scaled_fitness	0.6668087098974138

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



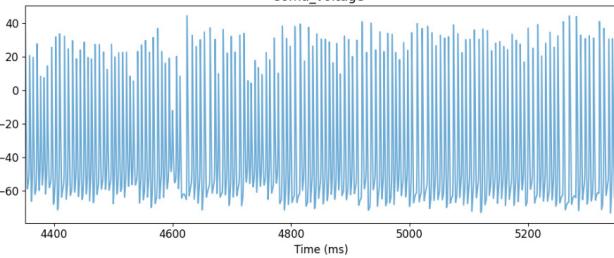
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

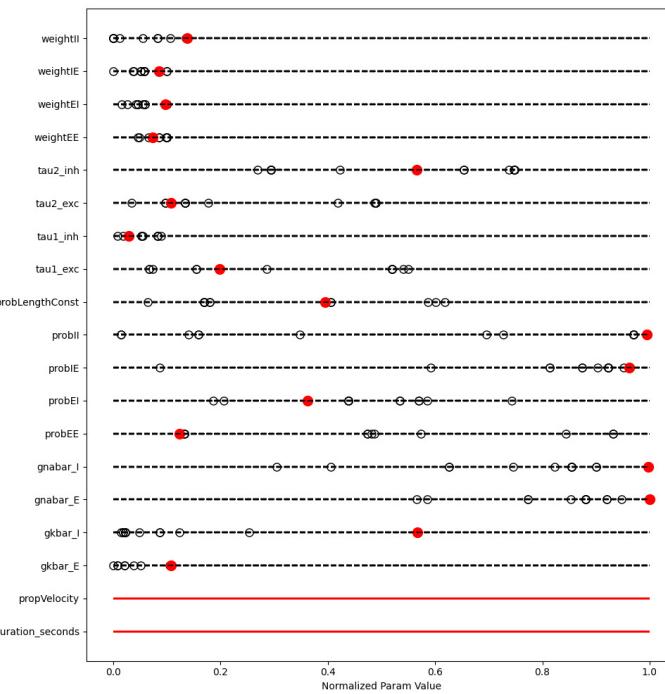
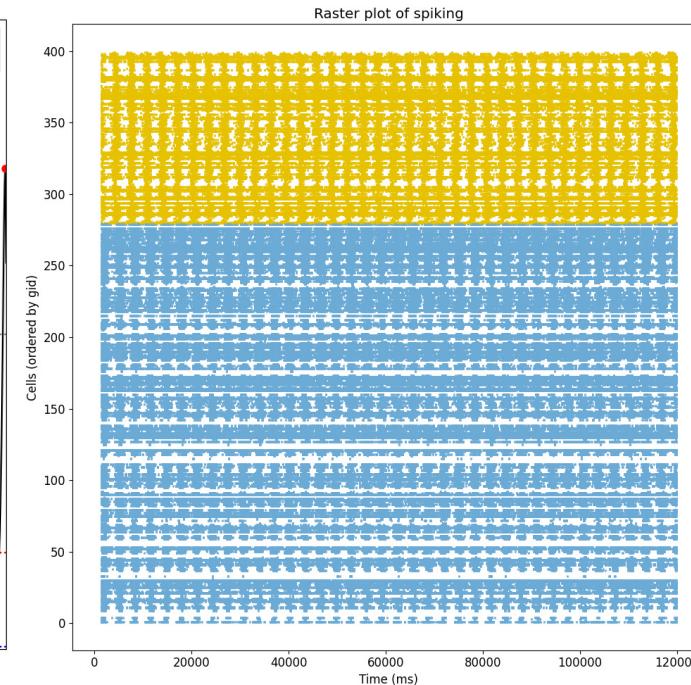
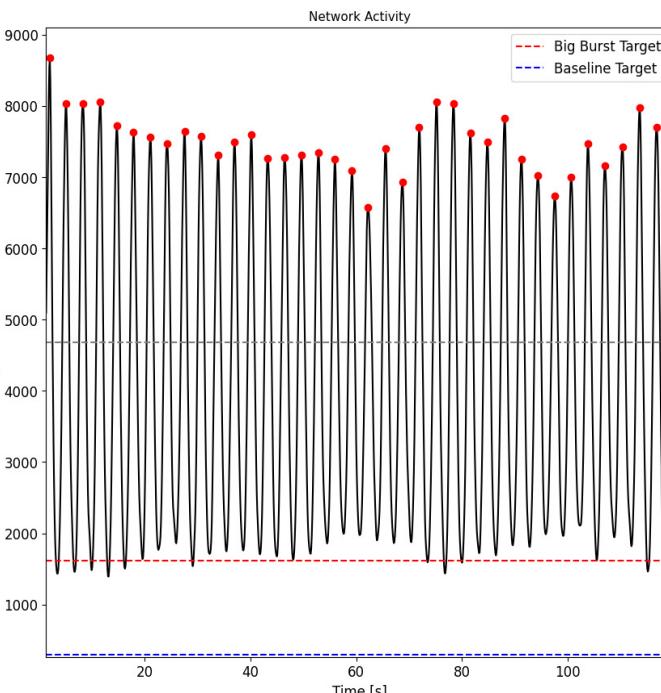


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_10/data.json
SimLabel	gen_0_cand_10
Generation Rank	9/15

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}}

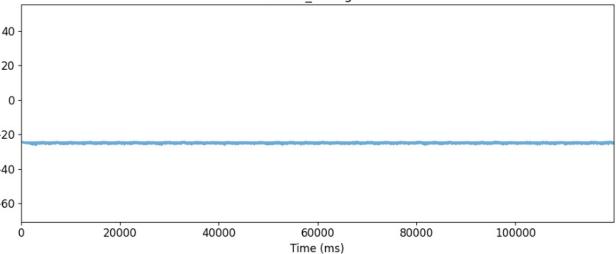
Metric	Value
BigBurstVal_Fitness	{'Value': 7492.263484308968, 'Fit': 1000.0}
numBig_Fitness	{'Value': 38, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.31693077564637195, 'Fit': 1.2220956601117494}
IBI_fitness	{'Value': 3.1783783783788, 'Fit': 1.0005070500977509}
baseline_fitness	{'Value': 4208.600048138018, 'Fit': 1000}
slopeFitness	{'Value': -0.10720011466095222, 'Fit': 1.1159405895479915}
thresh	{'Value': 4678.881656788447, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.7510407993339, 'Fit': 1000}
E_rate_fitness	{'Value': 2.4563492063492065, 'Fit': 4.850018598329761}
I_rate_fitness	{'Value': 15.435185185185185, 'Fit': 1000}
maxFitness	1000
average_fitness	667.3490468248406
average_scaled_fitness	0.6670158938790962

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



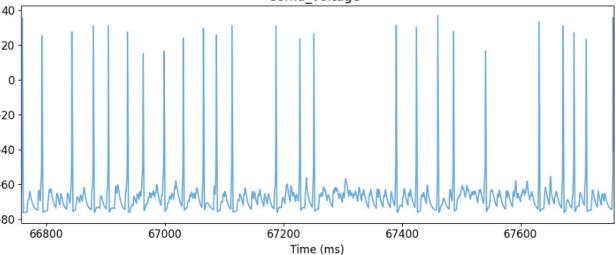
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

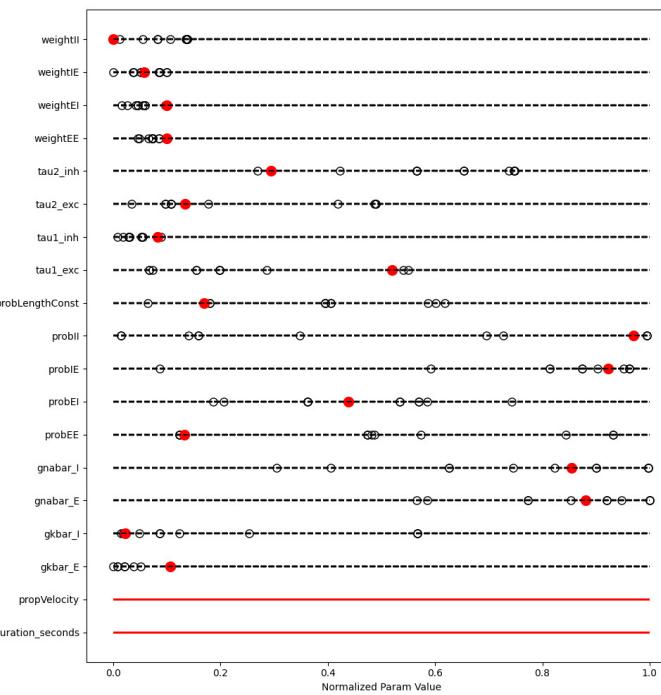
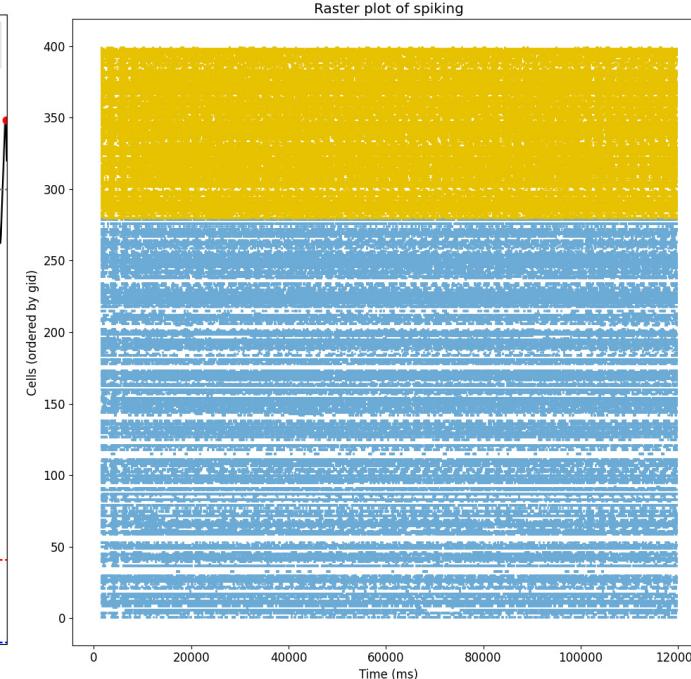
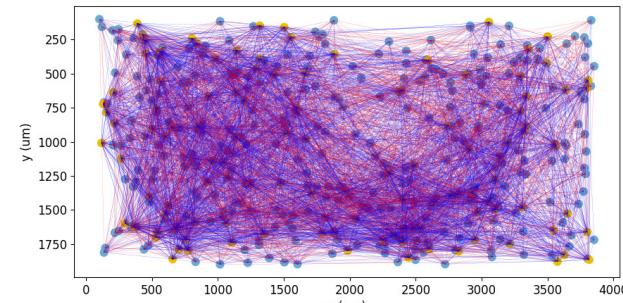


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_11_data.json
SimLabel	gen_0_cand_11
Generation Rank	6/15

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}}

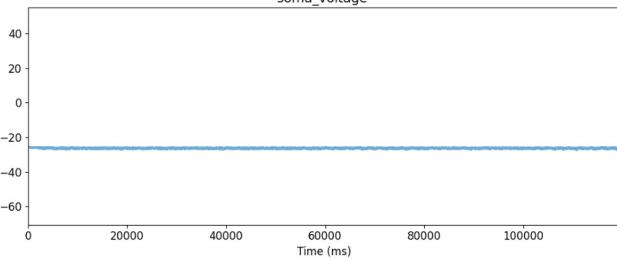
Metric	Value
BigBurstVal_Fitness	{'Value': 8310.788191615196, 'Fit': 1000.0}
numBig_Fitness	{'Value': 56, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.4678362573099415, 'Fit': 1.4211588366489025}
IBI_fitness	{'Value': 2.14, 'Fit': 1.0006009038870904}
baseline_fitness	{'Value': 7572.595253483548, 'Fit': 1000}
slopeFitness	{'Value': 0.0809412620217627, 'Fit': 1.081602512566344}
thresh	{'Value': 7561.981787697178, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.50124895920067, 'Fit': 1000}
E_rate_fitness	{'Value': 1.6666666666666665, 'Fit': 2.2018545883903475}
I_rate_fitness	{'Value': 23.324074074074073, 'Fit': 1000}
maxFitness	1000
average_fitness	667.1421014034577
average_scaled_fitness	0.6668087098974138

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



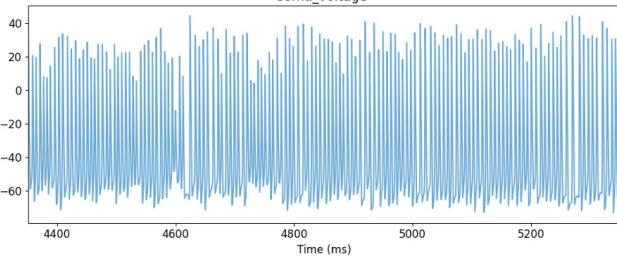
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

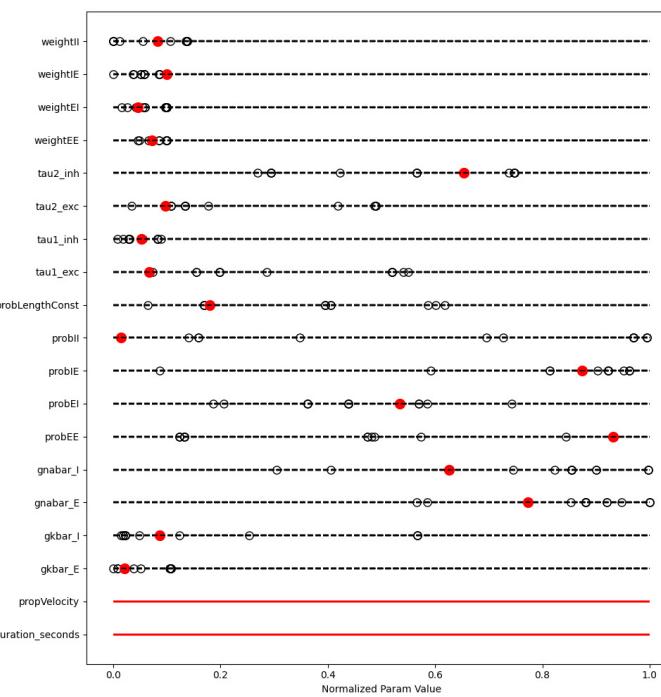
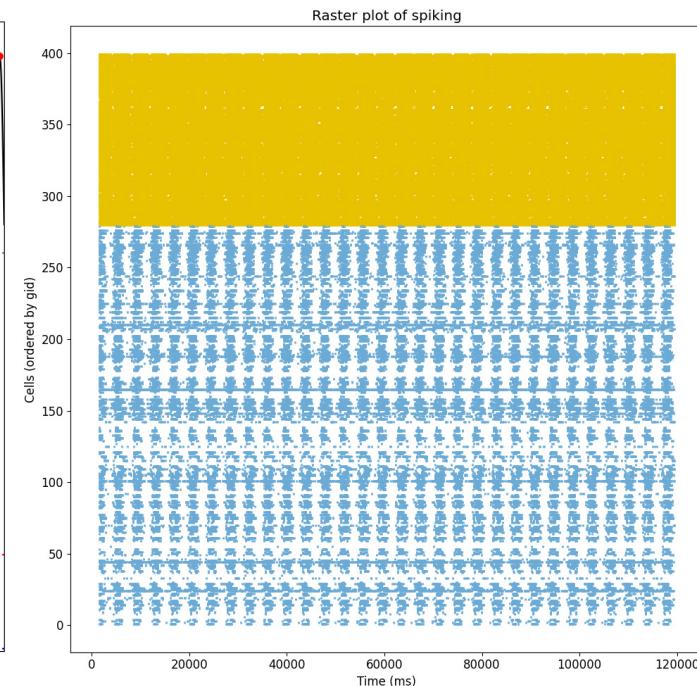
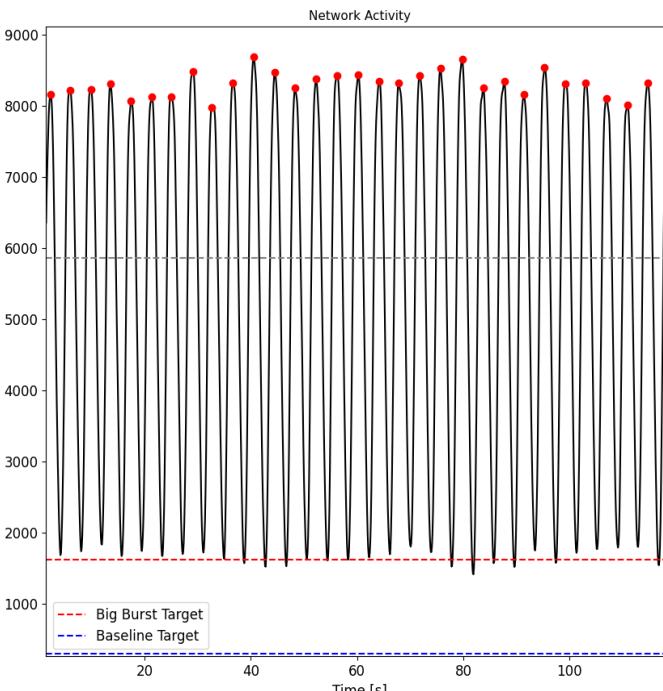


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_12/data.json
SimLabel	gen_0_cand_12
Generation Rank	1/15

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}}

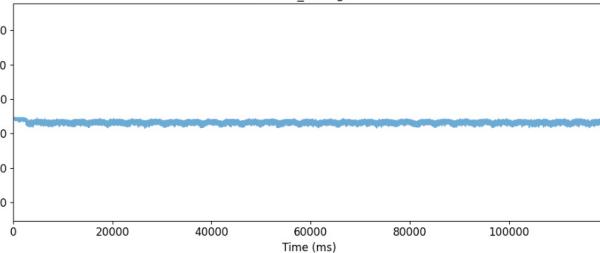
Metric	Value
BigBurstVal_Fitness	{'Value': 8317.87564969356, 'Fit': 1000.0}
numBig_Fitness	{'Value': 31, 'Percent': 100.0, 'Fit': 1000}
SmallBurstVal_Fitness	{'Value': None, 'Fit': 1000}
numSmall_Fitness	{'Value': 0, 'Percent': 0.0, 'Fit': 1000}
burst_peak_frequency_fitness	{'Value': 0.2594142259414226, 'Fit': 1.1537881698459544}
IBI_fitness	{'Value': 3.8733333333333335, 'Fit': 1.0004442420743607}
baseline_fitness	{'Value': 5366.388889037755, 'Fit': 1000}
slopeFitness	{'Value': 0.07026686944482341, 'Fit': 1.0701184643976425}
thresh	{'Value': 5864.632876510926, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 98.33472106577852, 'Fit': 1000}
E_rate_fitness	{'Value': 0.8849206349206349, 'Fit': 1.0075825714157556}
I_rate_fitness	{'Value': 18.416666666666664, 'Fit': 1000}
maxFitness	1000
average_fitness	667.0193277873111
average_scaled_fitness	0.6666858655807294

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



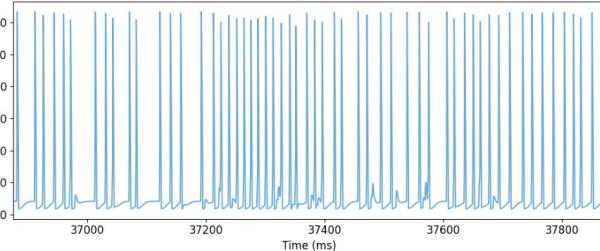
cell_0_excitatory

soma_voltage



cell_280_inhibitory

soma_voltage

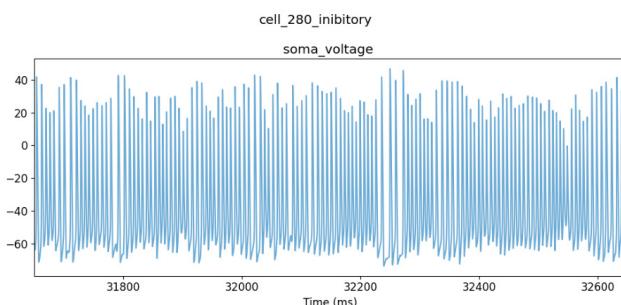
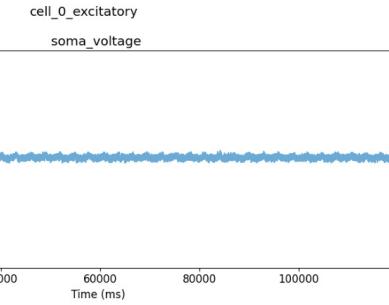
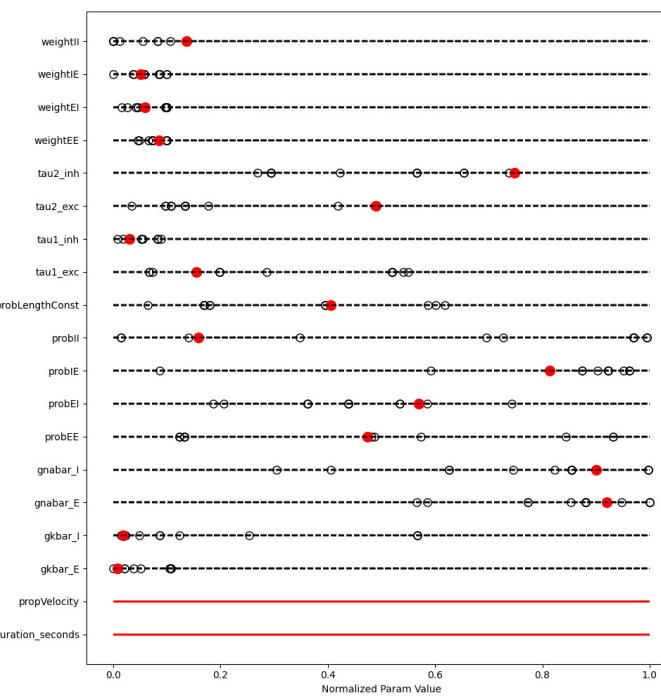
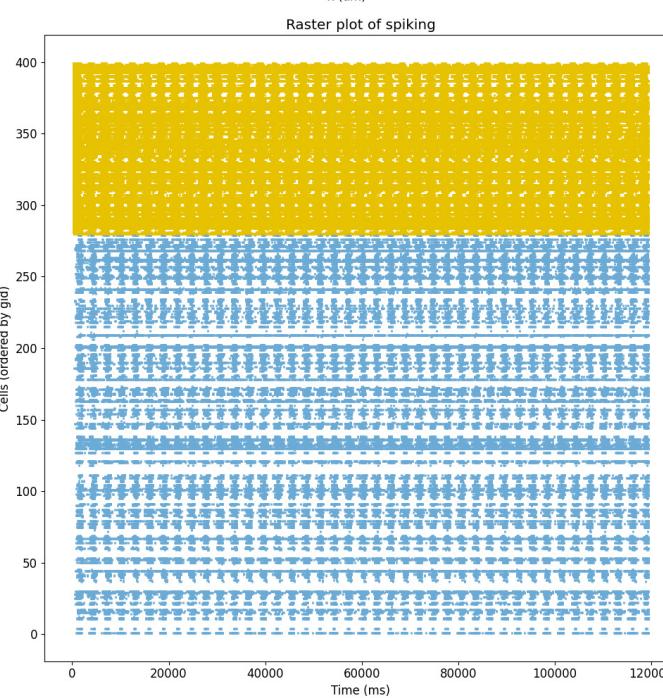


Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_13.data.json
SimLabel	gen_0_cand_13
Generation Rank	3/15

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': 6251.891899959931, 'Fit': 1000.0}
numBig_Fitness	{'Value': 42, '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': 0.3517587939698492, 'Fit': 1.2654087058244887}
IBI_fitness	{'Value': 2.882926829268293, 'Fit': 1.0005337536778731}
baseline_fitness	{'Value': 4806.139096358937, 'Fit': 1000}
slopeFitness	{'Value': 0.008567144248198514, 'Fit': 1.0060880890772237}
thresh	{'Value': 4920.690233731585, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 99.33388842631142, 'Fit': 1000}
E_rate_fitness	{'Value': 0.5793650793650794, 'Fit': 1.3471639262782007}
I_rate_fitness	{'Value': 47.78703703703704, 'Fit': 1000}
maxFitness	1000
average_fitness	667.0515995395714
average_scaled_fitness	0.6667181397889417

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0



Description	Value
Data Directory	/NERSC/output/240517_Run1_best_case/gen_0/gen_0_cand_14/data.json
SimLabel	gen_0_cand_14
Generation Rank	14/15

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': 13019.47998244287, 'Fit': 1000.0}
numBig_Fitness	{'Value': 66, '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': 0.5518394648829431, 'Fit': 1.5456983713634973}
IBI_fitness	{'Value': 1.8307692307692307, 'Fit': 1.0006288578320557}
baseline_fitness	{'Value': 12486.98945566189, 'Fit': 1000}
slopeFitness	{'Value': -0.44638950940084404, 'Fit': 1.5665676596923751}
thresh	{'Value': 12541.62959490947, 'Fit': 1000}
sustain_oscillation_fitness	{'Value': 99.58368026644463, 'Fit': 1000}
E_rate_fitness	{'Value': 81.55555555555556, 'Fit': 1000}
I_rate_fitness	{'Value': 35.81481481481482, 'Fit': 1000}
maxFitness	1000
average_fitness	750.3427412407406
average_scaled_fitness	0.7500926767613244

Parameter	Value
binSize	0.1
gaussianSigma	0.15
thresholdBurst	1.0

