

```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_oscil: {'target': 100, 'width': 5, 'min': 75}

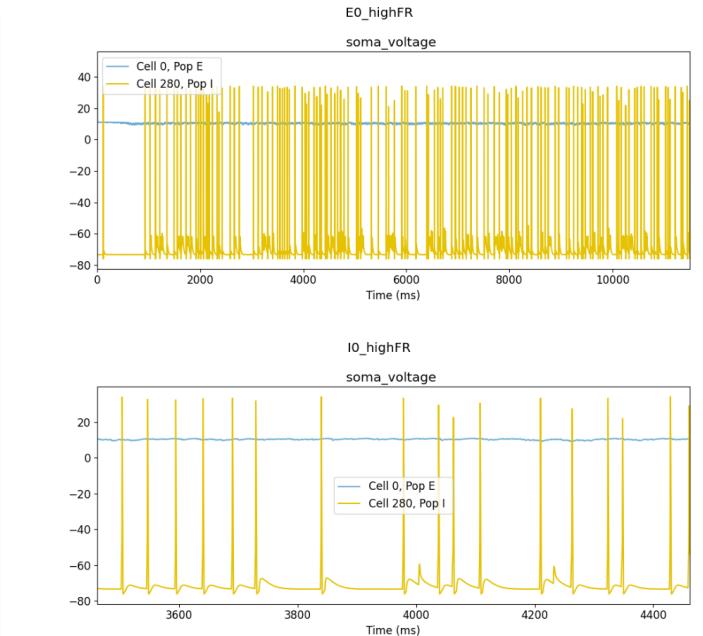
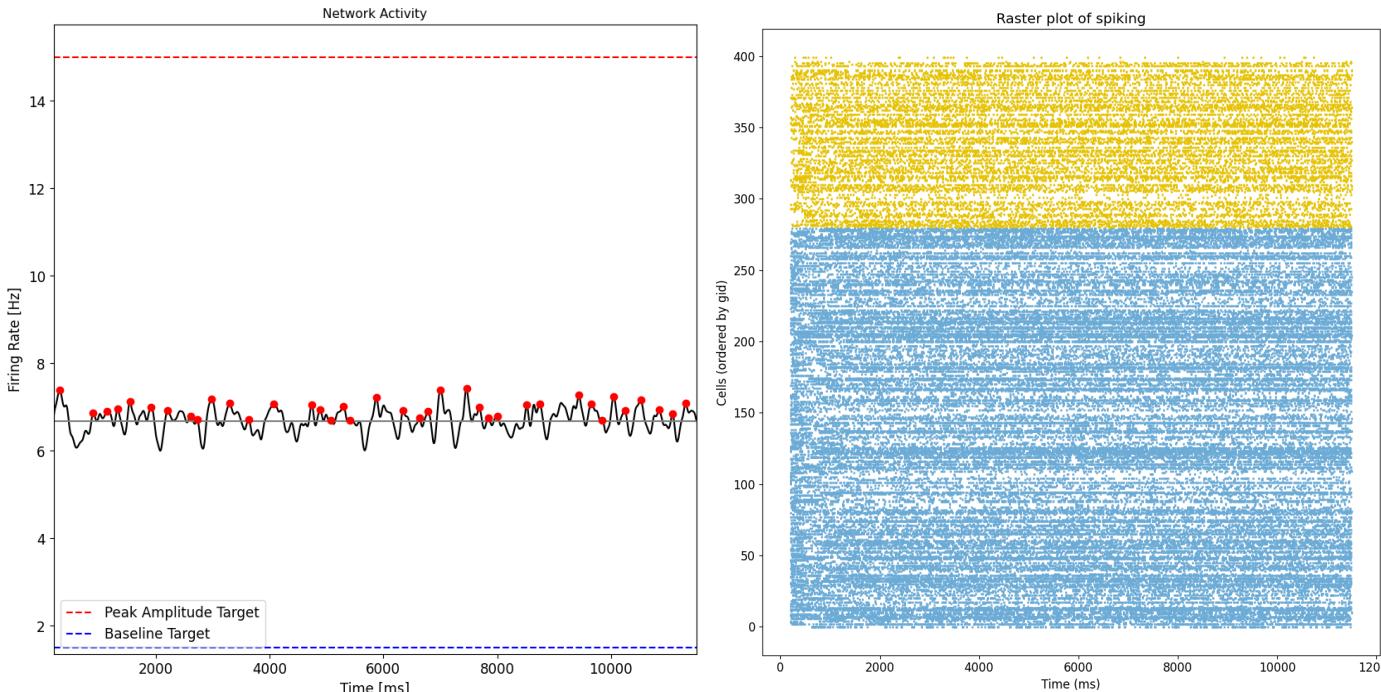
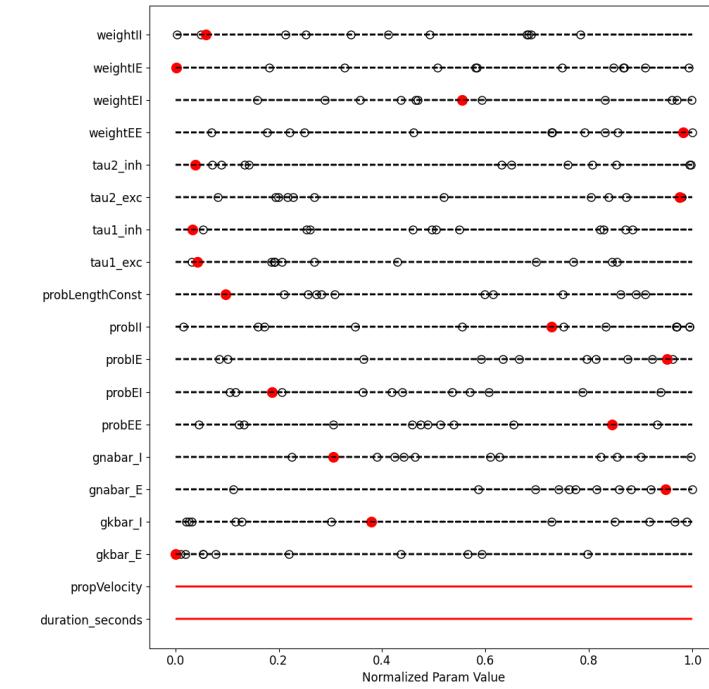
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```

burstAmp_Fitness: {'Value': 0.31341397047680297, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 3.3050663187649487, 'Fit': 1000}
IBI_fitness: {'Value': 297.1621621621622, 'Fit': 3.8730675409275195}
baseline_fitness: {'Value': 6.71693826628373, 'Fit': 1000}
slopeFitness: {'Value': 5.595569428173807e-05, 'Fit': 1.0001119176508766}
thresh: {'Value': 6.675690565367346, 'Fit': 0.1871788755917189}
sustain_oscillation_fitness: {'Value': 94.12866958151156, 'Fit': 3.235767289814504}
E_rate_fitness: {'Value': 19.46825396825397, 'Fit': 119.97718351175384}
I_rate_fitness: {'Value': 8.916666666666666, 'Fit': 8.234505665347891}
maxFitness: 1000
average_fitness: 348.50086831123184
average_scaled_fitness: 348.3788986061611

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

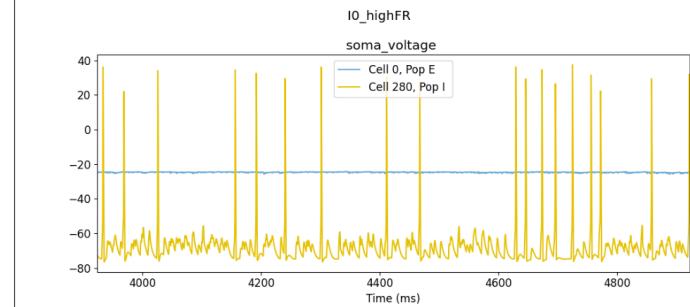
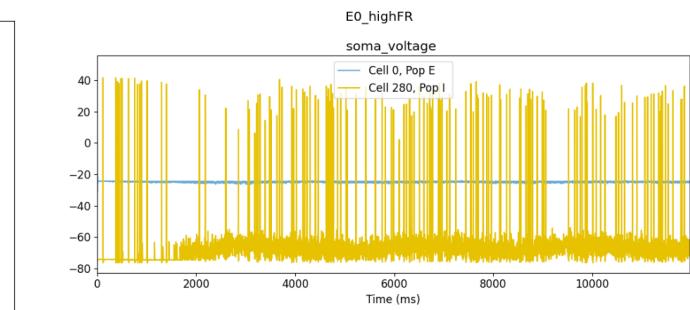
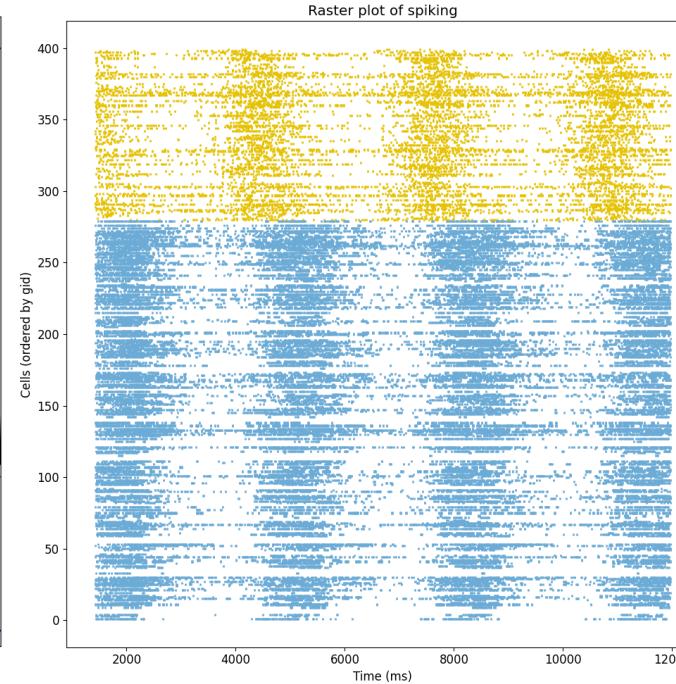
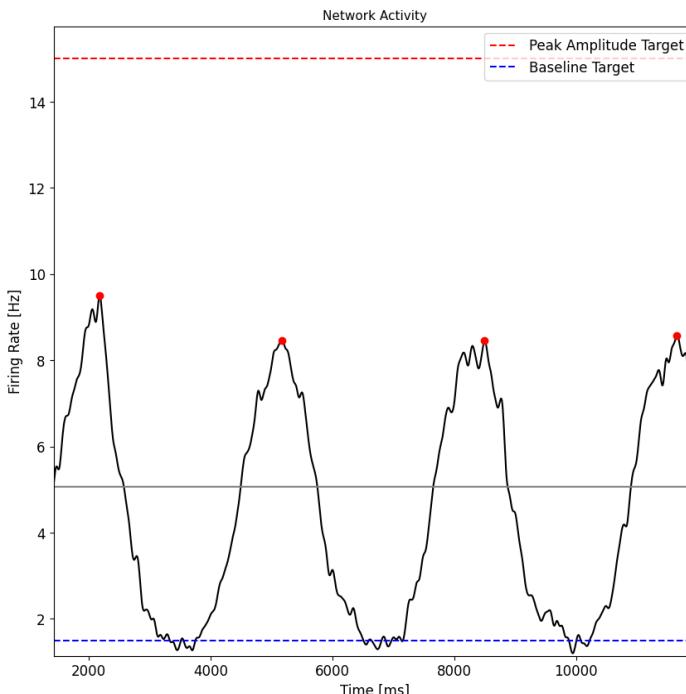
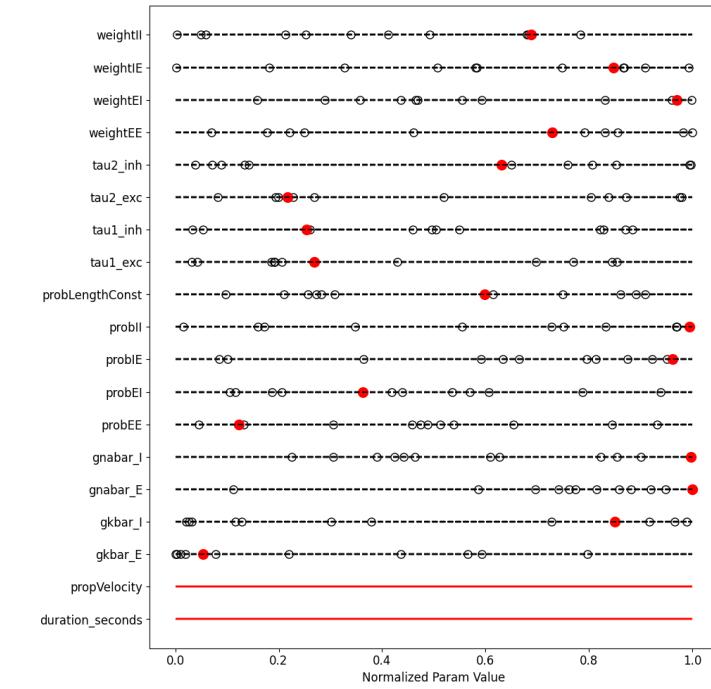
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```

burstAmp_Fitness: {'Value': 3.6870872645709665, 'Fit': 1000.0}
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IBI_fitness: {'Value': 3157.5, 'Fit': 1.086889840540404}
baseline_fitness: {'Value': 4.579053948134078, 'Fit': 1000}
slopeFitness: {'Value': -9.678745128511474e-06, 'Fit': 1.0000193576776144}
thresh: {'Value': 5.065065302533625, 'Fit': 0.9370062724958484}
sustain_oscillation_fitness: {'Value': 87.88257339163023, 'Fit': 11.28512313587106}
E_rate_fitness: {'Value': 2.4563492063492065, 'Fit': 7.519204271932153}
I_rate_fitness: {'Value': 15.435185185185185, 'Fit': 4.290835552601959}
maxFitness: 1000
average_fitness: 225.23601150513323
average_scaled_fitness: 224.50937192236273

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

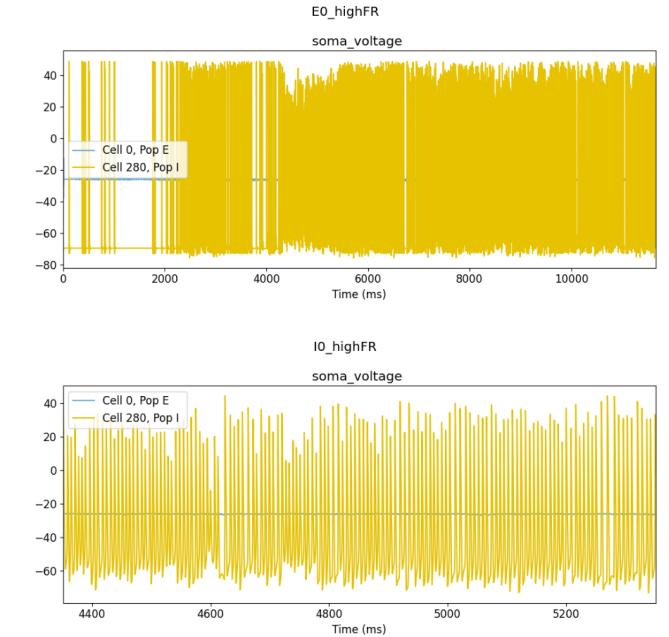
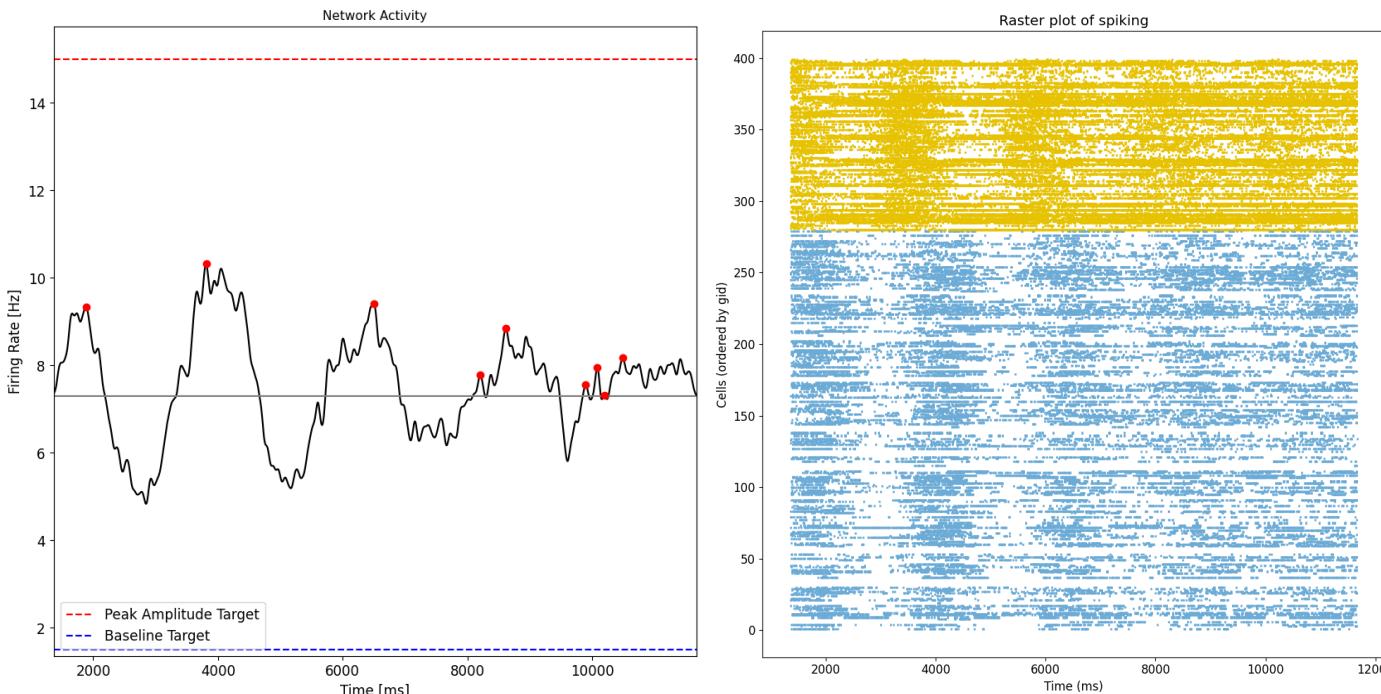
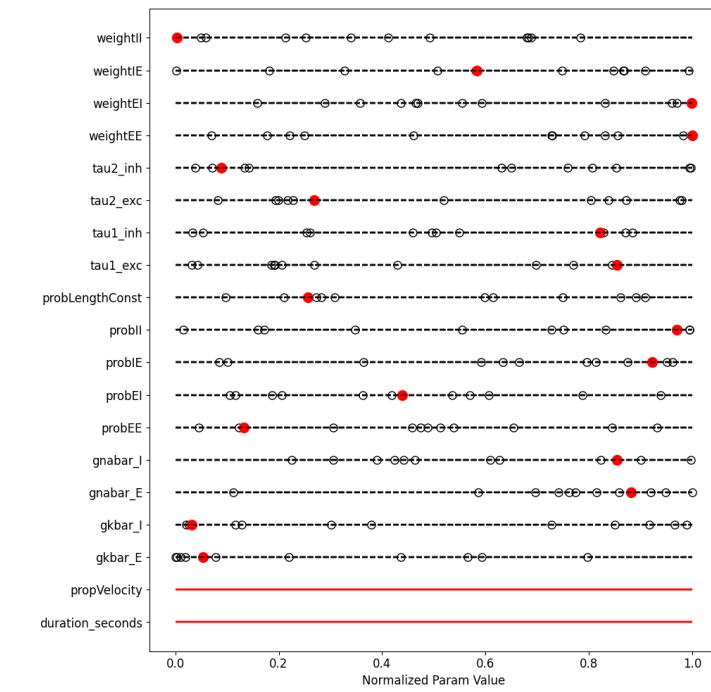
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```

burstAmp_Fitness: {'Value': 1.2214848131507487, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.7717041800643087, 'Fit': 13.876892967069857}
IBI_fitness: {'Value': 1074.375, 'Fit': 2.875251703601312}
baseline_fitness: {'Value': 7.522333382877726, 'Fit': 1000}
slopeFitness: {'Value': 0.00010637629367410511, 'Fit': 1.000212775220785}
thresh: {'Value': 7.294823835915531, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 85.8213616489694, 'Fit': 17.042797325218864}
E_rate_fitness: {'Value': 1.6666666666666665, 'Fit': 10.312258501325767}
I_rate_fitness: {'Value': 23.324074074074073, 'Fit': 1.949538333691855}
maxFitness: 1000
average_fitness: 338.561883511792
average_scaled_fitness: 337.89964227551786

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

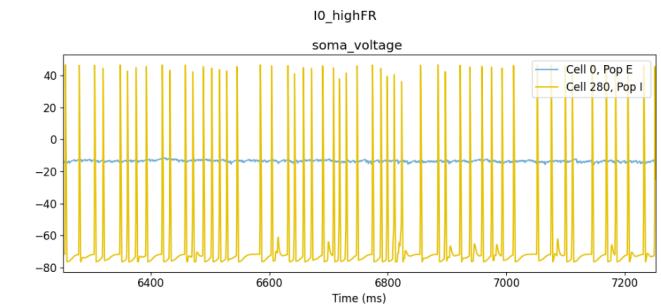
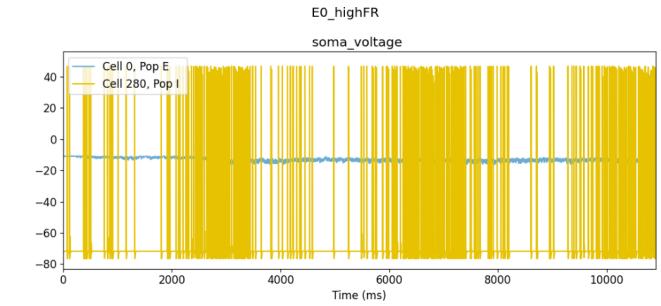
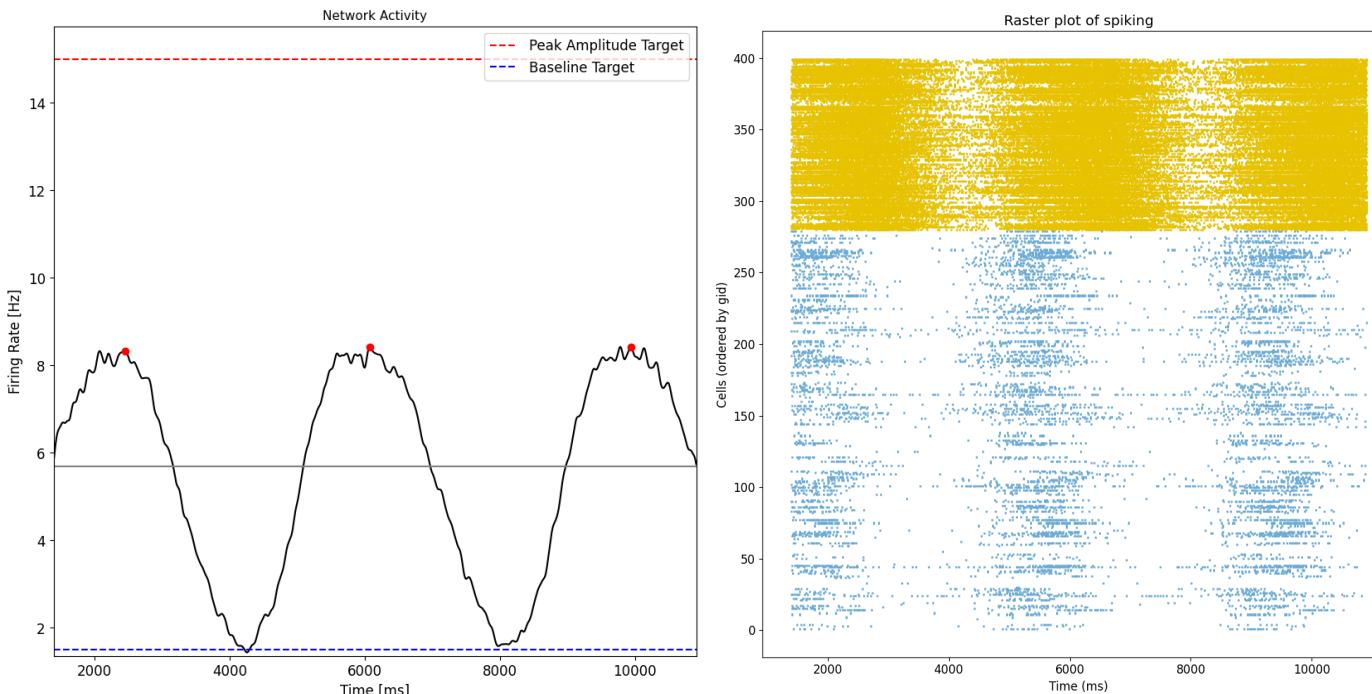
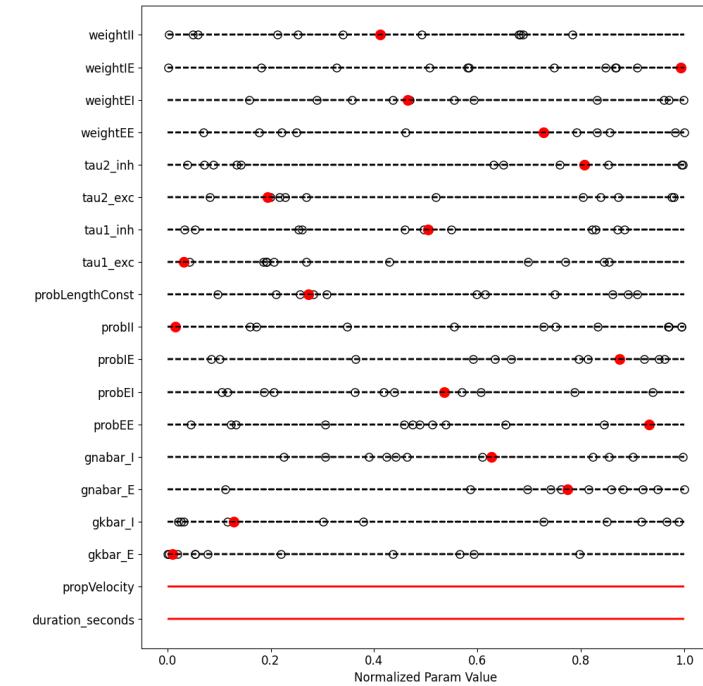
```

```

burstAmp_Fitness: {'Value': 2.6996600940445714, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.27510316368638243, 'Fit': 1.4181894429499076}
IBI_fitness: {'Value': 3742.5, 'Fit': 1.452155379040199}
baseline_fitness: {'Value': 5.687433702170394, 'Fit': 1000}
slopeFitness: {'Value': 0.0001194237172909505, 'Fit': 1.0002388759609016}
thresh: {'Value': 5.687618660351873, 'Fit': 0.5027719153388304}
sustain_oscillation_fitness: {'Value': 79.262960649594, 'Fit': 63.26978405494912}
E_rate_fitness: {'Value': 0.8849206349206349, 'Fit': 1000}
I_rate_fitness: {'Value': 18.416666666666664, 'Fit': 3.1846211486585325}
maxFitness: 1000
average_fitness: 341.2030845352108
average_scaled_fitness: 340.87169333401437

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



Data Directory: /NERSC/output/240506_Run1_overnightRun/gen_0/gen_0_cand_4_data.json

SimLabel: gen_0_cand_4

Generation Rank: 1/12

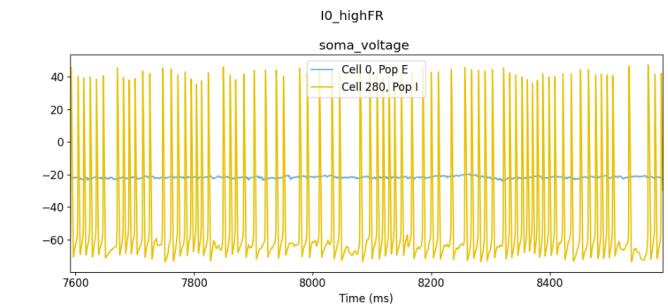
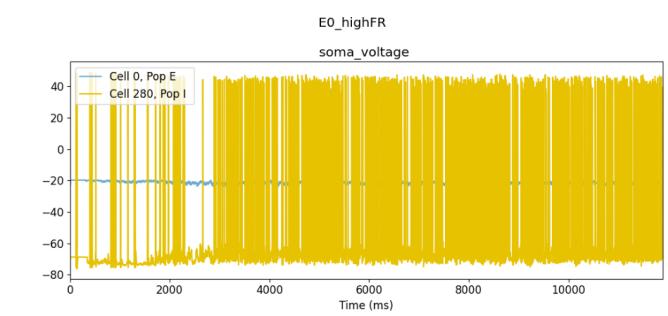
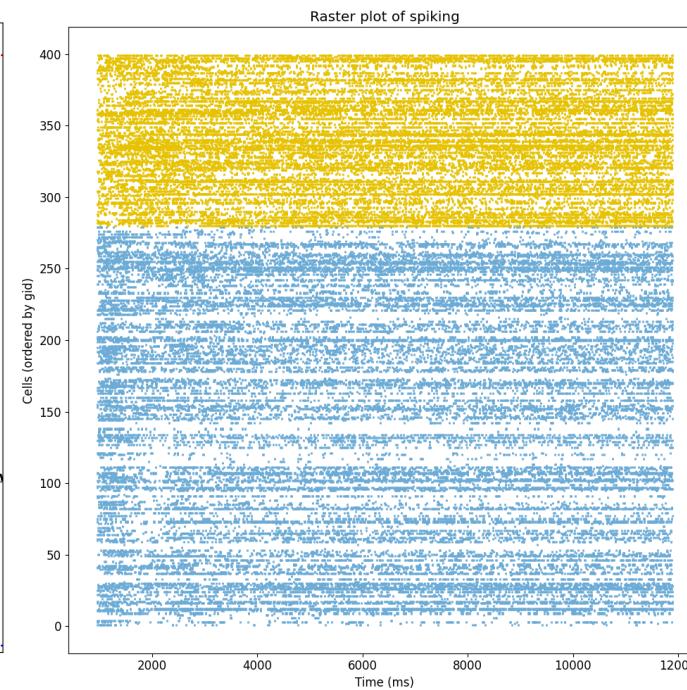
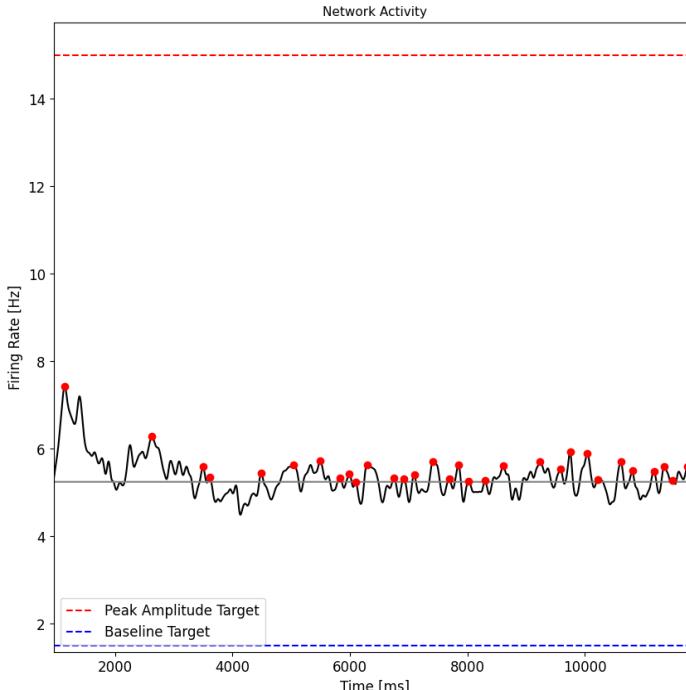
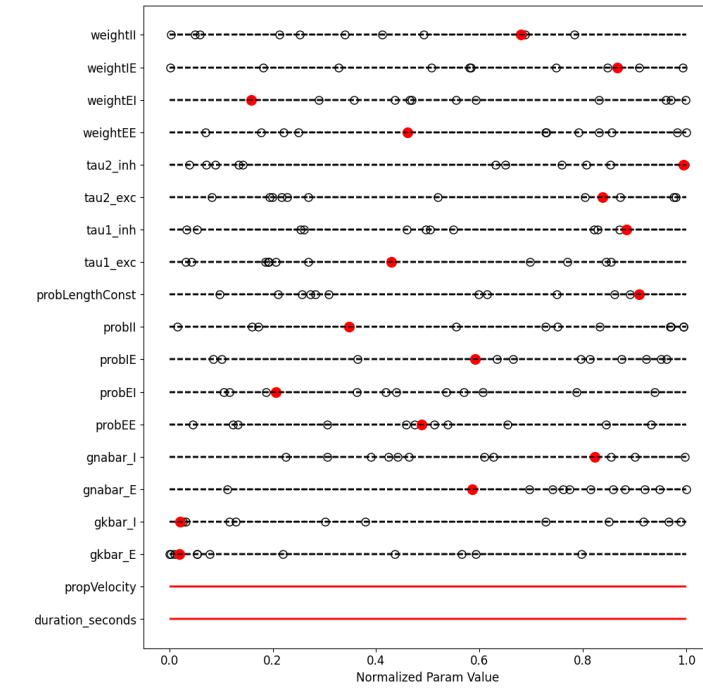
```
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}
```

```
burstAmp_Fitness: {'Value': 0.3523412311866433, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 2.6061370323665405, 'Fit': 1000}
IBI_fitness: {'Value': 353.75, 'Fit': 3.7898390176572483}
baseline_fitness: {'Value': 5.369260756537494, 'Fit': 1000}
slopeFitness: {'Value': -0.0004075229941467437, 'Fit': 1.0008153782285325}
thresh: {'Value': 5.2422005392680635, 'Fit': 0.7848987587454482}
sustain_oscillation_fitness: {'Value': 91.19300437226732, 'Fit': 5.820575415777985}
E_rate_fitness: {'Value': 4.83333333333333, 'Fit': 2.905677746882002}
I_rate_fitness: {'Value': 16.97222222222222, 'Fit': 3.6795033277165095}
maxFitness: 1000
average_fitness: 335.33125662722307
average_scaled_fitness: 334.80914915406527
```

binSize: 7.5

gaussianSigma: 30.0

thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

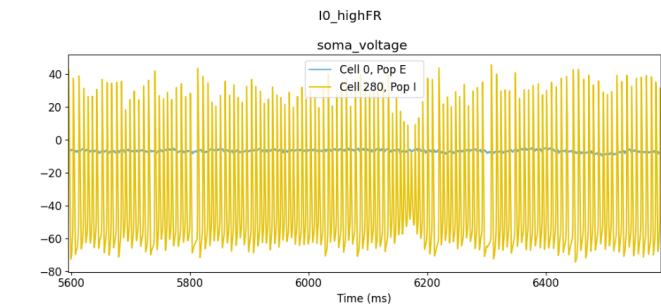
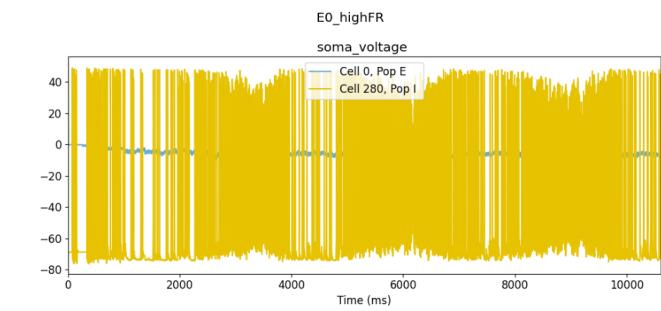
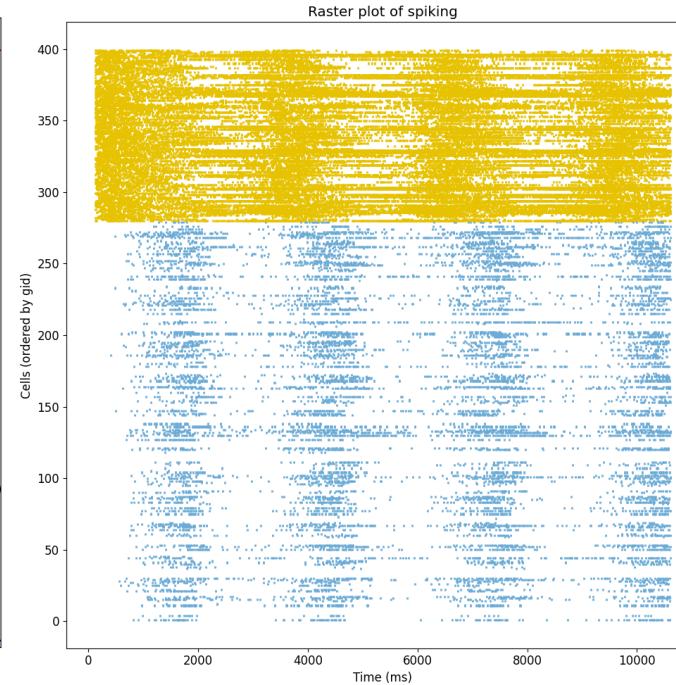
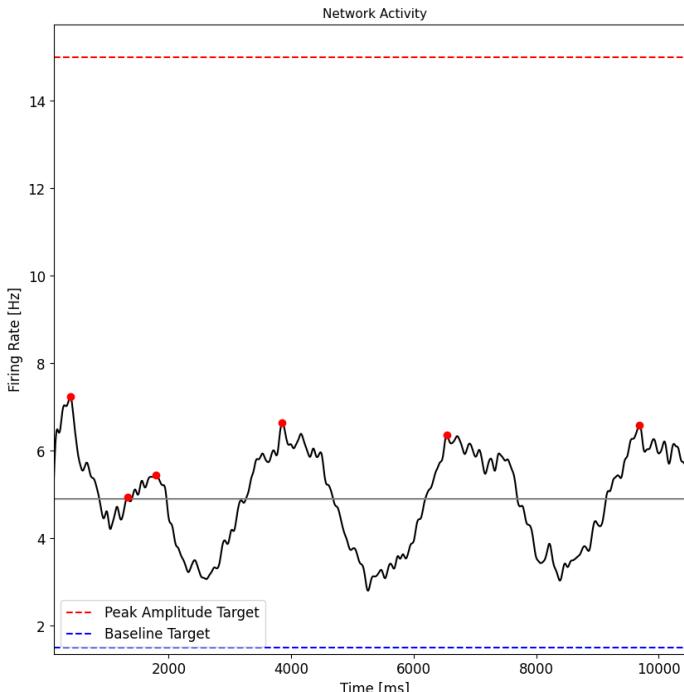
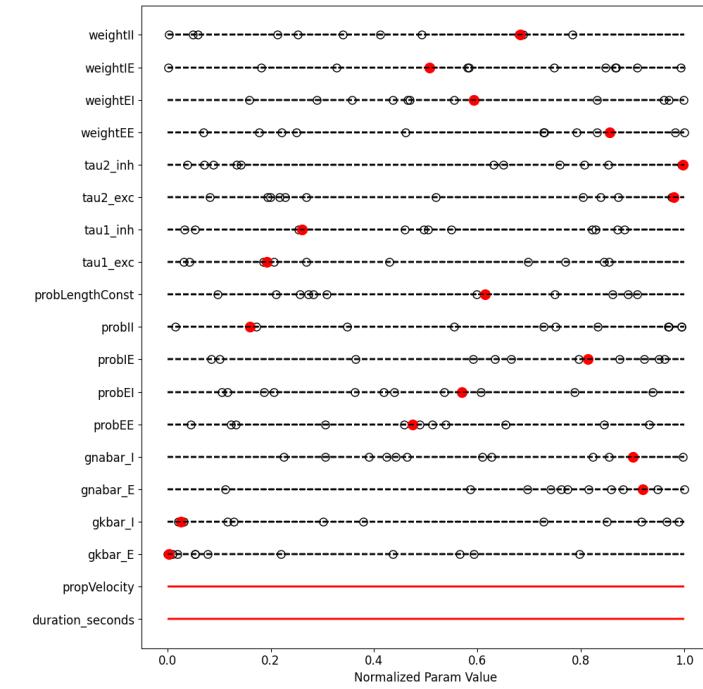
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```

burstAmp_Fitness: {'Value': 1.3011525174545215, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.5653710247349822, 'Fit': 4.023797660711818}
IBI_fitness: {'Value': 1858.5, 'Fit': 2.0427056287575303}
baseline_fitness: {'Value': 4.923173427191922, 'Fit': 1000}
slopeFitness: {'Value': 9.917909309178078e-05, 'Fit': 1.0001983778604695}
thresh: {'Value': 4.89802190052201, 'Fit': 1.1073592197174043}
sustain_oscillation_fitness: {'Value': 87.44534665833854, 'Fit': 12.316387199820213}
E_rate_fitness: {'Value': 0.5793650793650794, 'Fit': 1000}
I_rate_fitness: {'Value': 47.78703703703704, 'Fit': 5.9221745477442305}
maxFitness: 1000
average_fitness: 336.2680691816235
average_scaled_fitness: 335.60354092099647

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

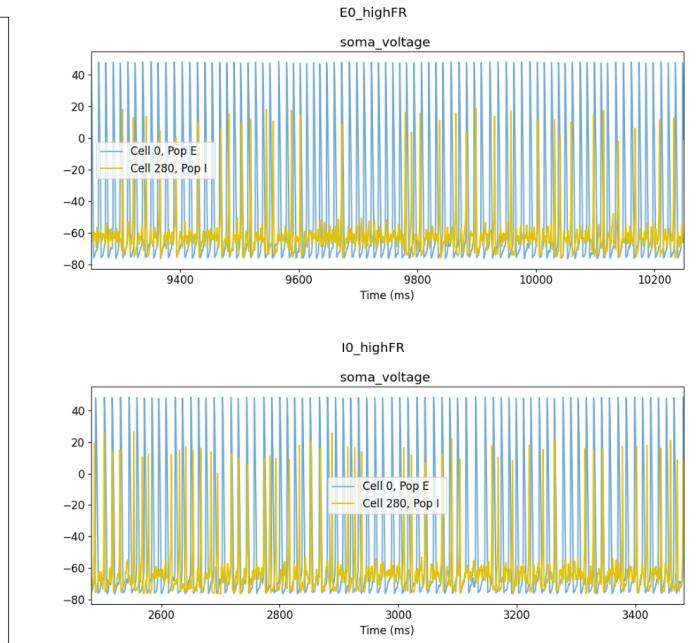
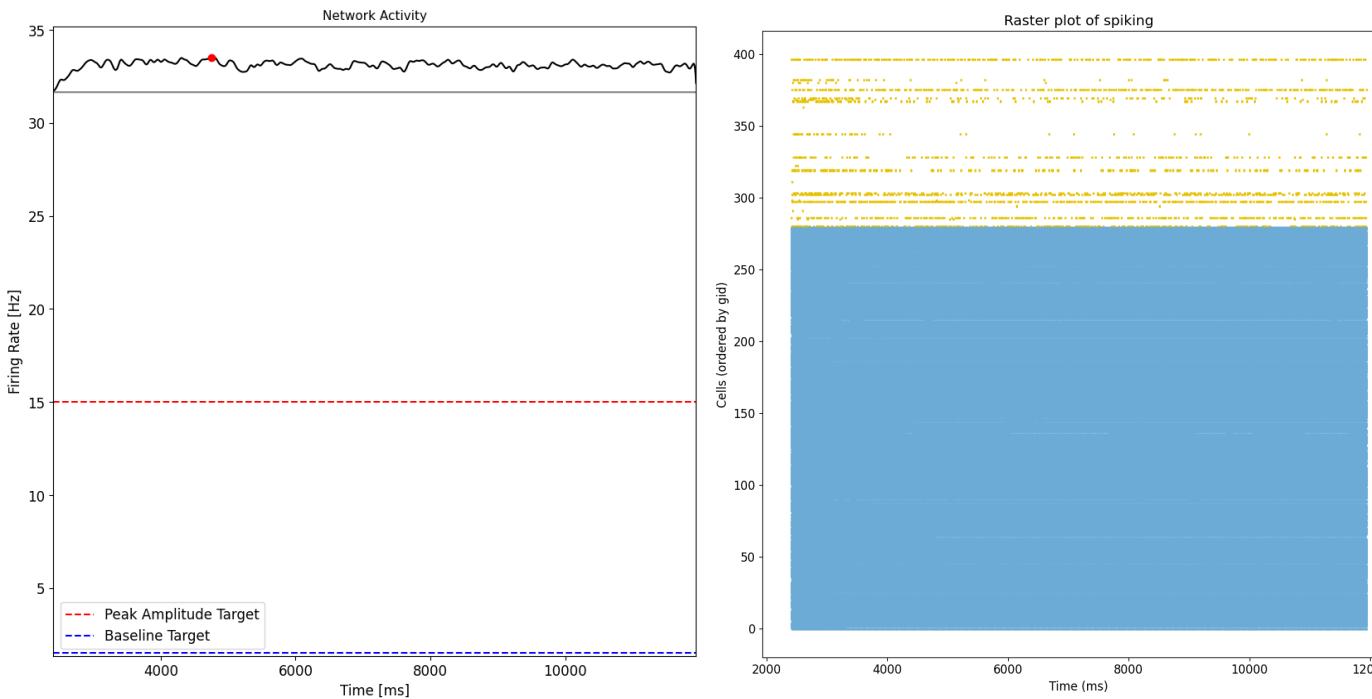
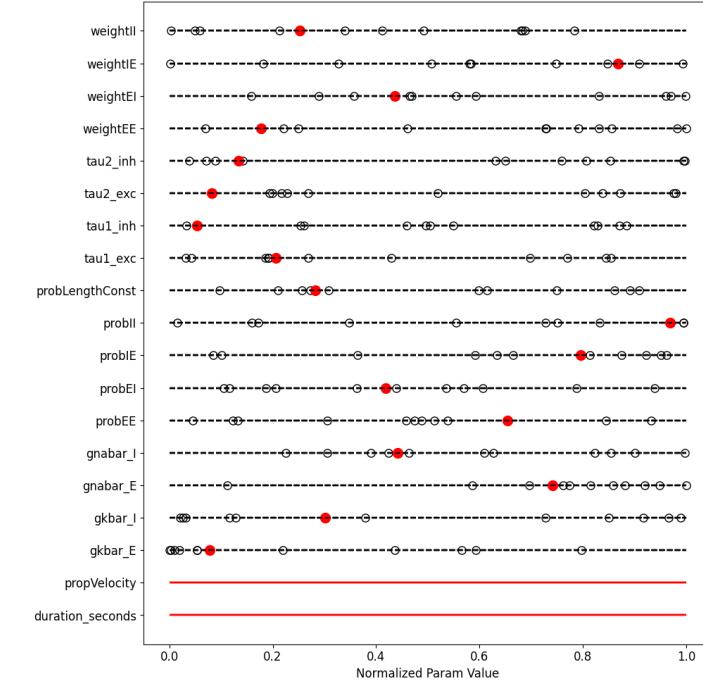
```

```

burstAmp_Fitness: {'Value': 1.8637057521532405, 'Fit': 1000.0}
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IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 33.106361633146356, 'Fit': 1000}
slopeFitness: {'Value': -1.6997328897260013e-05, 'Fit': 1.0000339952356194}
thresh: {'Value': 31.651015582359197, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 79.45034353529044, 'Fit': 60.942530243808896}
E_rate_fitness: {'Value': 63.98412698412699, 'Fit': 1000}
I_rate_fitness: {'Value': 35.25, 'Fit': 1.6904588483790914}
maxFitness: 1000
average_fitness: 673.7370025652693
average_scaled_fitness: 673.4104018646435

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

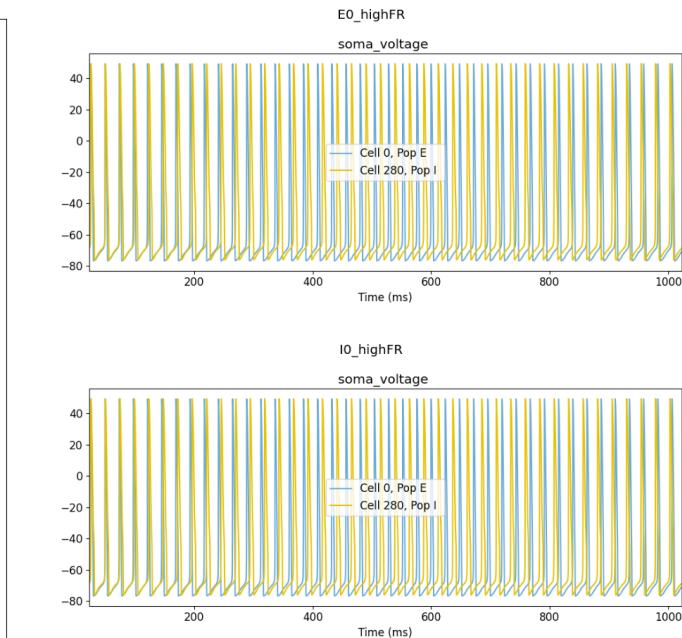
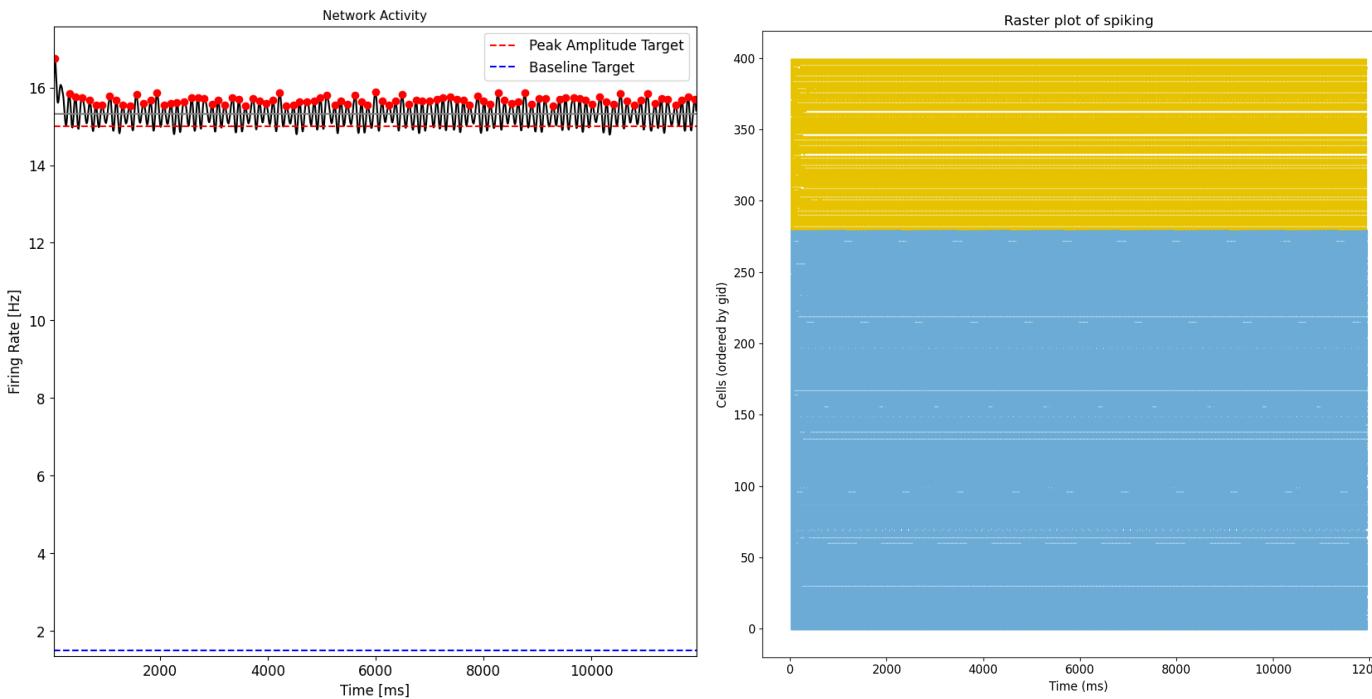
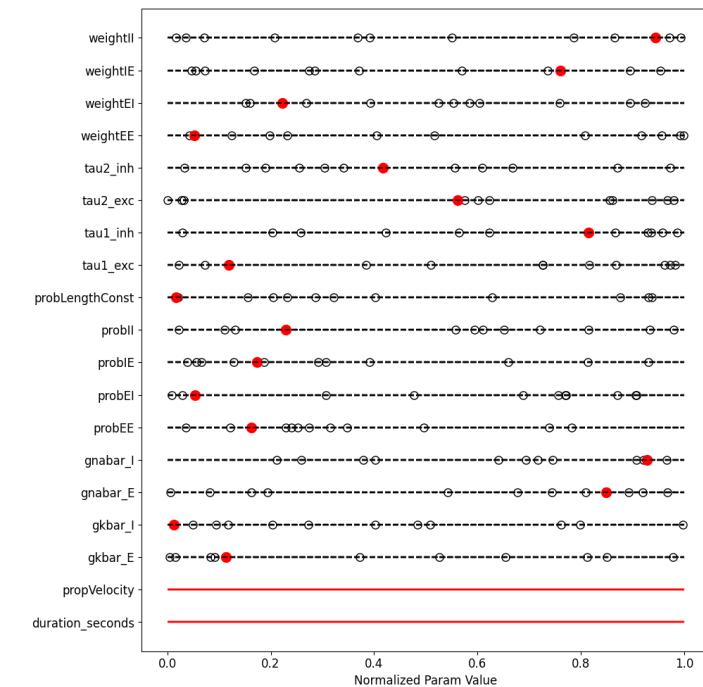
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```

burstAmp_Fitness: {'Value': 0.362315534659509, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 7.872696817420436, 'Fit': 1000}
IBI_fitness: {'Value': 127.58064516129032, 'Fit': 4.20491199402132}
baseline_fitness: {'Value': 15.337867835509039, 'Fit': 1000}
slopeFitness: {'Value': -4.7200762796209344e-05, 'Fit': 1.0000944059815566}
thresh: {'Value': 15.321278415108921, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 99.31292941911305, 'Fit': 1.1473031669590088}
E_rate_fitness: {'Value': 40.154761904761905, 'Fit': 1000}
I_rate_fitness: {'Value': 32.86111111111111, 'Fit': 1.3312403626309104}
maxFitness: 1000
average_fitness: 556.4092833255103
average_scaled_fitness: 555.9652066125824

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

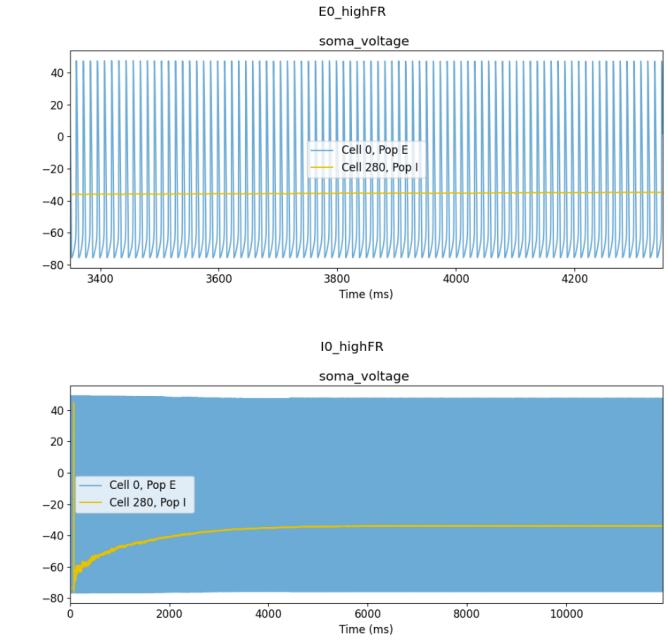
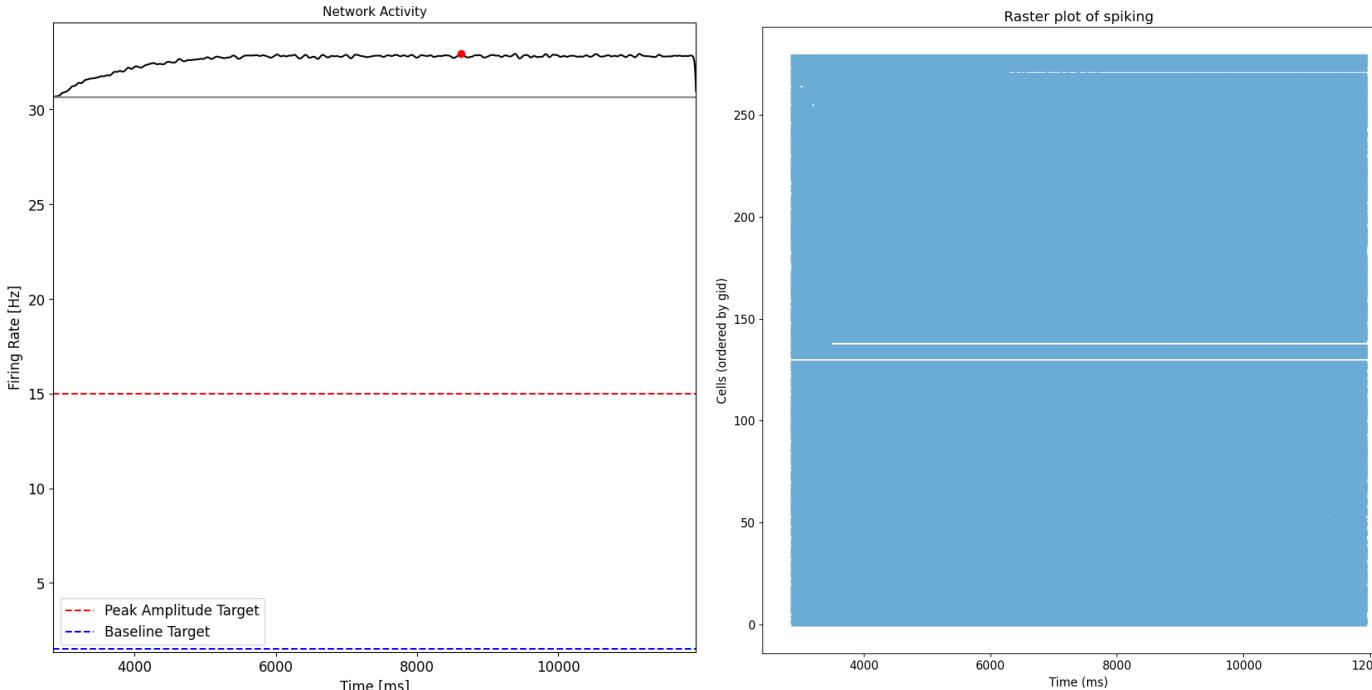
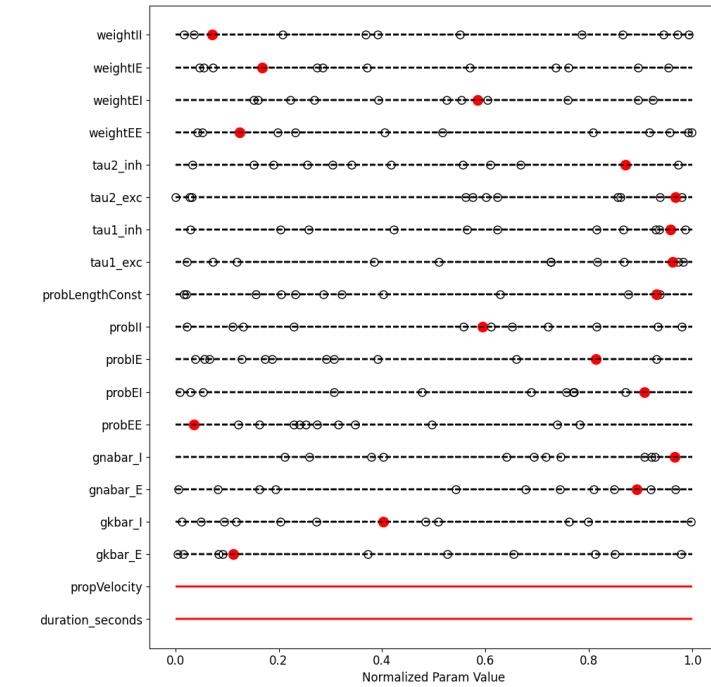
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```

burstAmp_Fitness: {'Value': 2.3091329528787305, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.08369951872776732, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 32.62087919499381, 'Fit': 1000}
slopeFitness: {'Value': 0.0008308354630604872, 'Fit': 1.0016630522662593}
thresh: {'Value': 30.650973748538842, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 75.82760774515927, 'Fit': 125.7729693275464}
E_rate_fitness: {'Value': 52.52777777777777, 'Fit': 1000}
I_rate_fitness: {'Value': 1.8055555555555556, 'Fit': 1000}
maxFitness: 1000
average_fitness: 791.8638480422013
average_scaled_fitness: 791.6551567105482

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

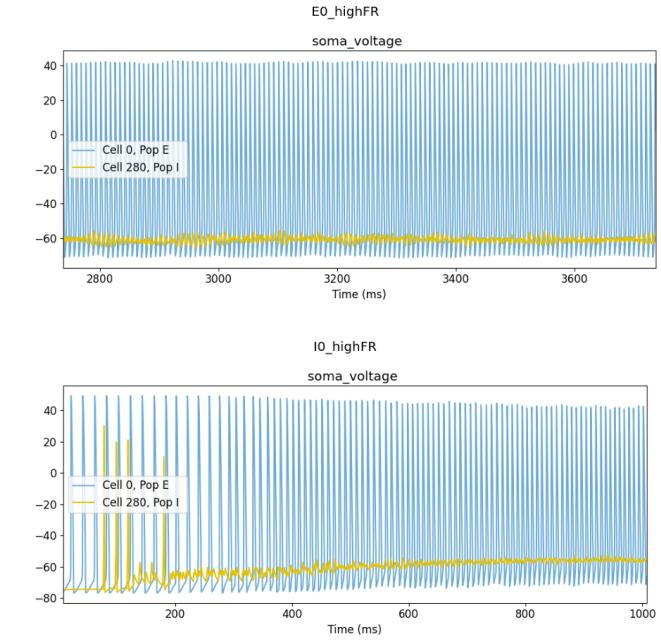
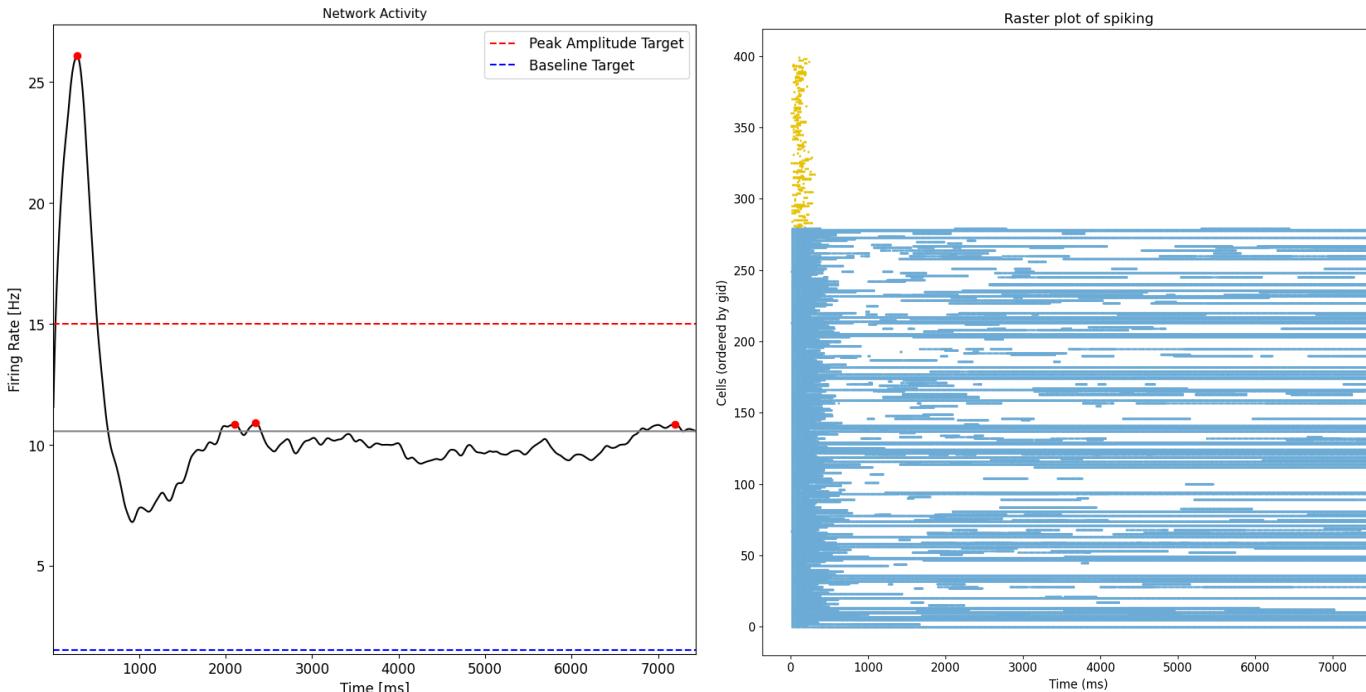
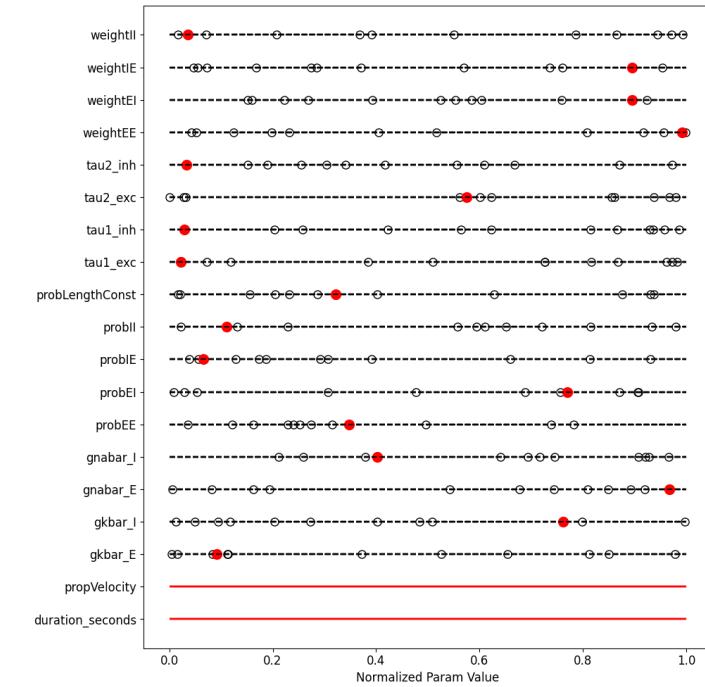
```

```

burstAmp_Fitness: {'Value': 4.106659935563943, 'Fit': 750.3245352814272}
burst_peak_frequency_fitness: {'Value': 0.5376344086021505, 'Fit': 3.406912485290392}
IBI_fitness: {'Value': 2305.0, 'Fit': 335.25887882205075}
baseline_fitness: {'Value': 10.581883109801934, 'Fit': 1000}
slopeFitness: {'Value': -0.0035506354576874894, 'Fit': 1.0071265447296627}
thresh: {'Value': 10.561294965459545, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 61.96127420362274, 'Fit': 1000}
E_rate_fitness: {'Value': 54.785714285714285, 'Fit': 1000}
I_rate_fitness: {'Value': 1.9351851851851851, 'Fit': 1000}
maxFitness: 1000
average_fitness: 676.6663836814997
average_scaled_fitness: 676.3404175245327

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



Data Directory: /NERSC/output/240506_Run1_overnightRun/gen_1/gen_1_cand_125_data.json

SimLabel: gen_1_cand_125

Generation Rank: 1/12

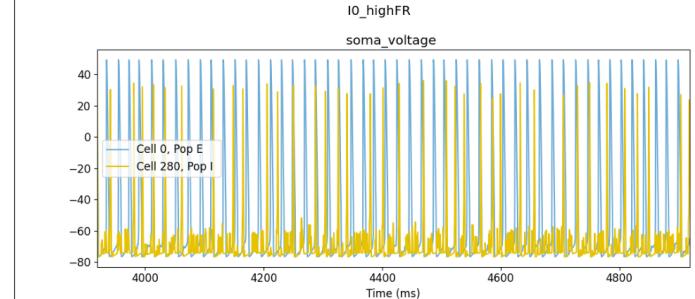
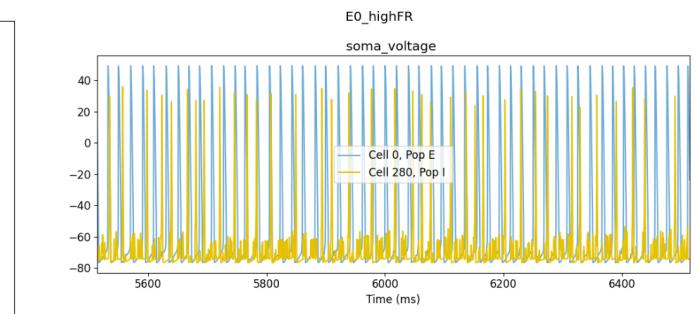
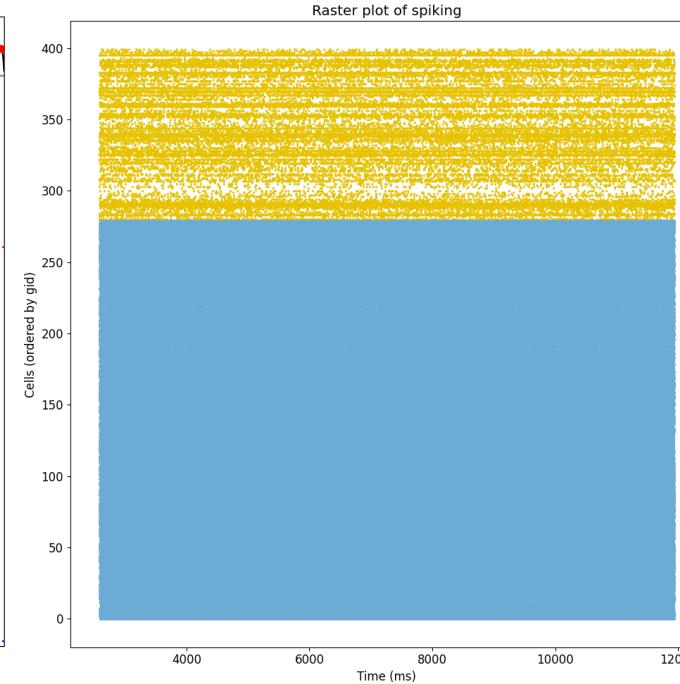
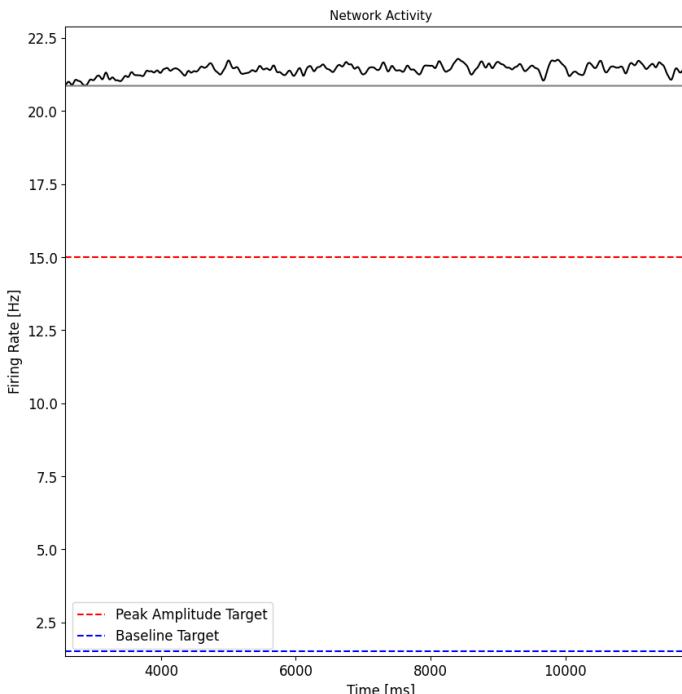
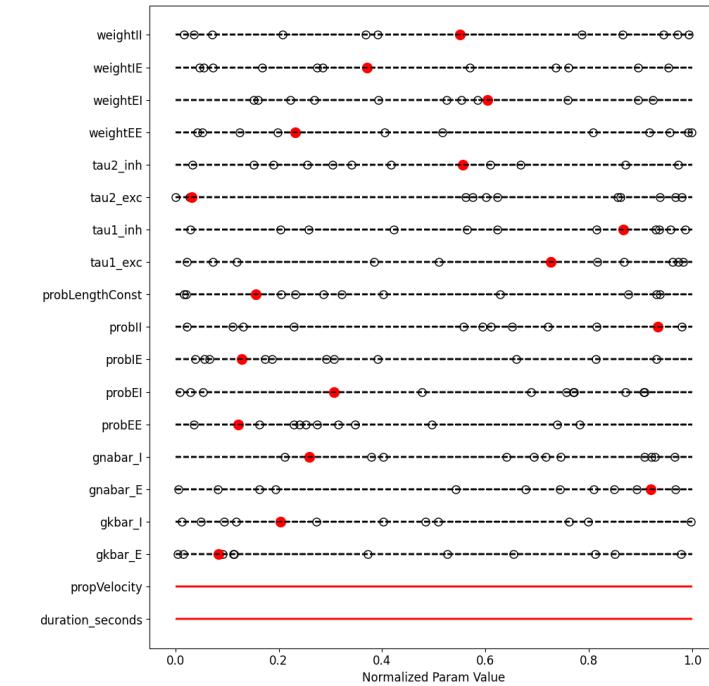
```
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}
```

```
burstAmp_Fitness: {'Value': 0.9451770465310894, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.08375209380234507, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 21.411071744017526, 'Fit': 1000}
slopeFitness: {'Value': 0.0002653187293750639, 'Fit': 1.0005307782717123}
thresh: {'Value': 20.859742913135324, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 78.01374141161774, 'Fit': 81.22732600225525}
E_rate_fitness: {'Value': 50.595238095238095, 'Fit': 1000}
I_rate_fitness: {'Value': 30.685185185185183, 'Fit': 1.07092045662766}
maxFitness: 1000
average_fitness: 675.9220863596838
average_scaled_fitness: 675.5975116855774
```

binSize: 7.5

gaussianSigma: 30.0

thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

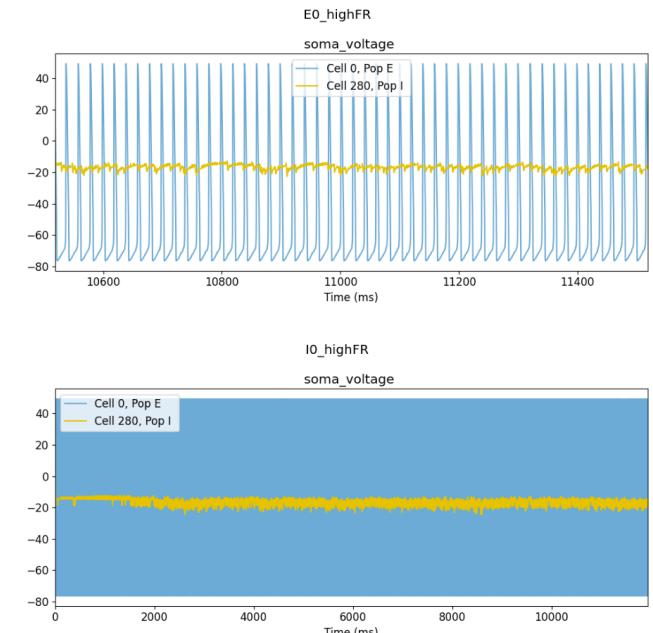
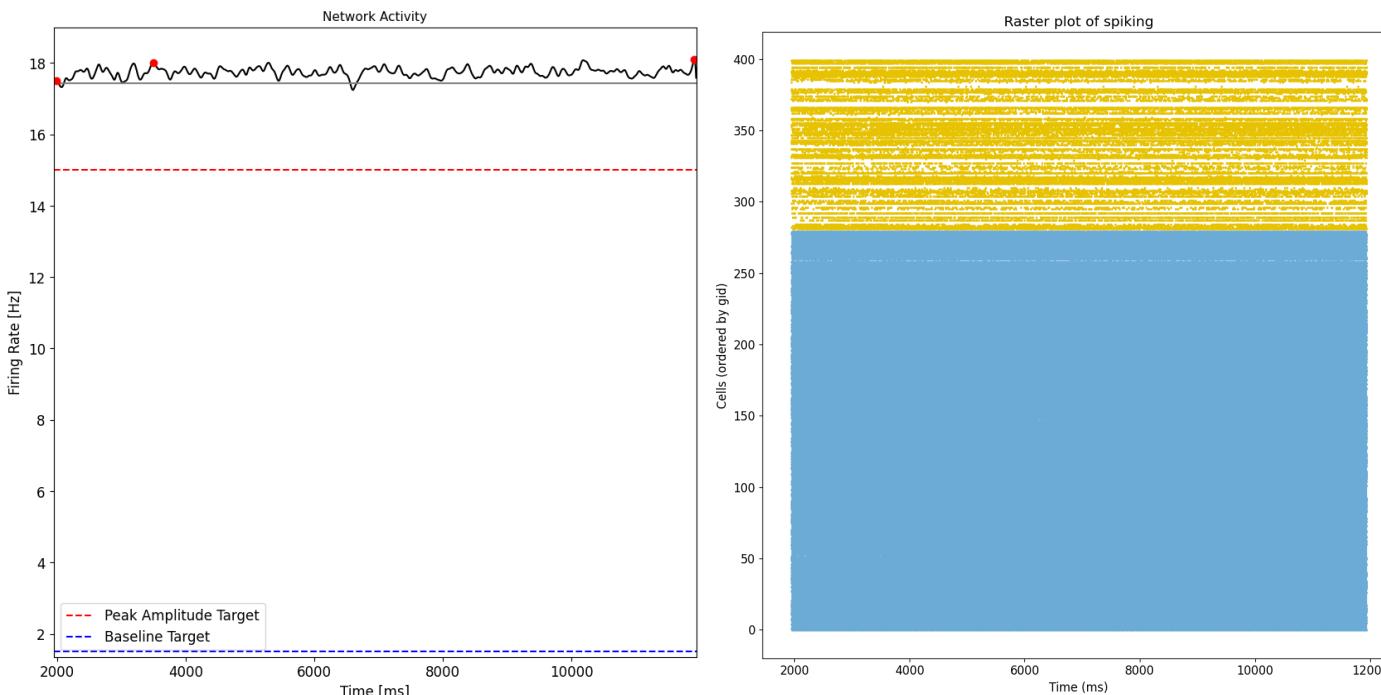
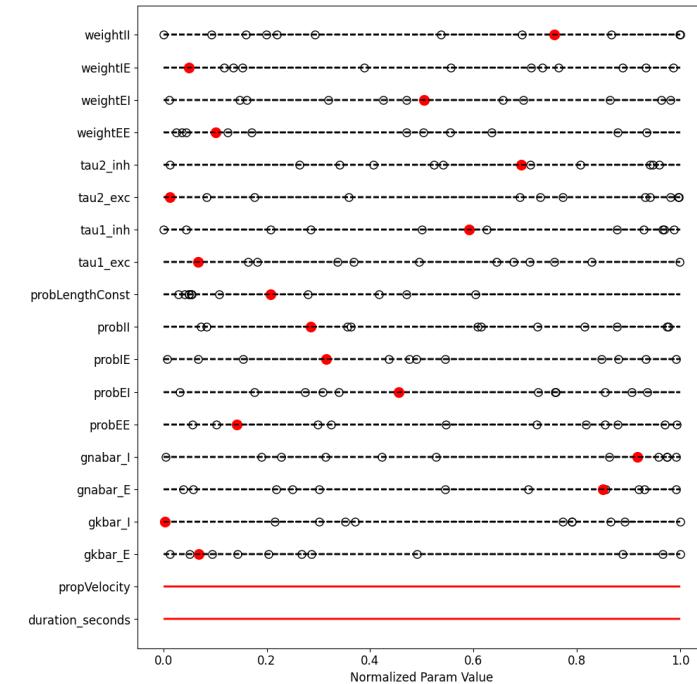
```

```

burstAmp_Fitness: {'Value': 0.4361605420571486, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.2512562814070352, 'Fit': 1.636340443462536}
IBI_fitness: {'Value': 4961.25, 'Fit': 501.05453806655885}
baseline_fitness: {'Value': 17.742546843580783, 'Fit': 1000}
slopeFitness: {'Value': 6.043059297954855e-05, 'Fit': 1.0001208684899665}
thresh: {'Value': 17.43290754413793, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 83.32292317301686, 'Fit': 28.090048435080316}
E_rate_fitness: {'Value': 49.63888888888886, 'Fit': 1000}
I_rate_fitness: {'Value': 8.648148148148147, 'Fit': 8.458612771605086}
maxFitness: 1000
average_fitness: 504.47107339835514
average_scaled_fitness: 503.974988432994

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

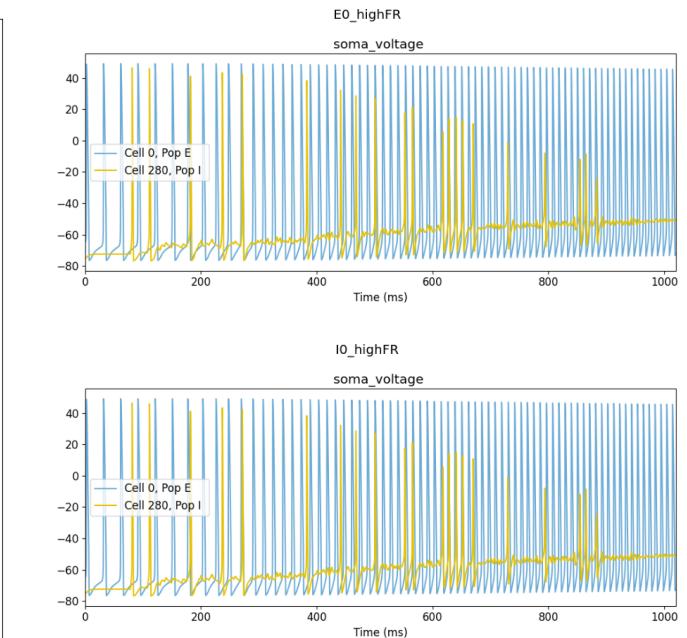
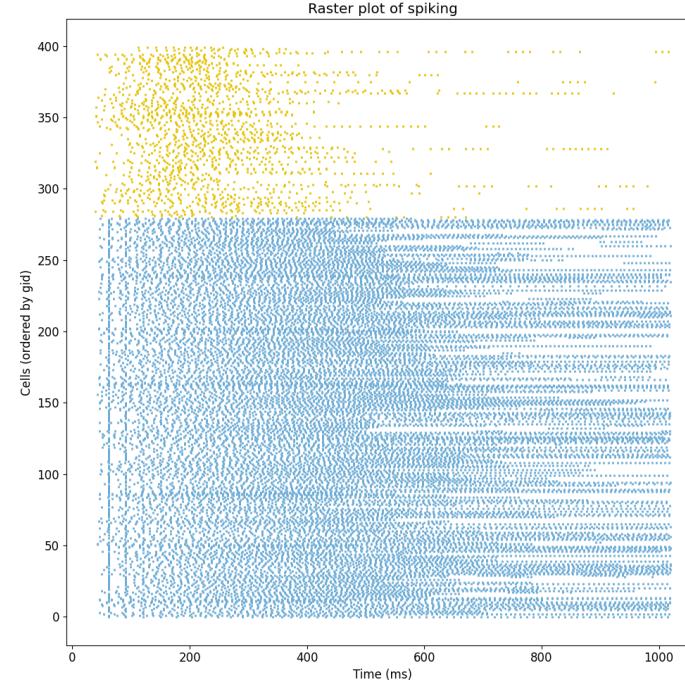
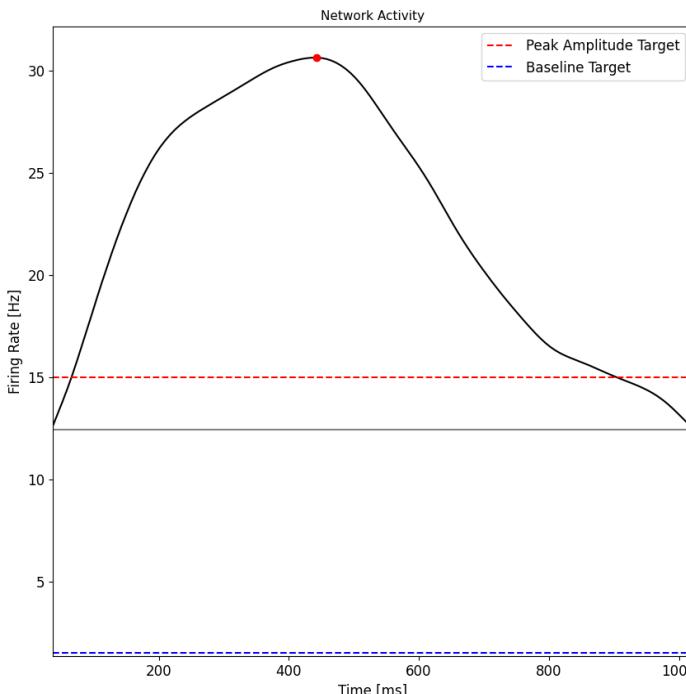
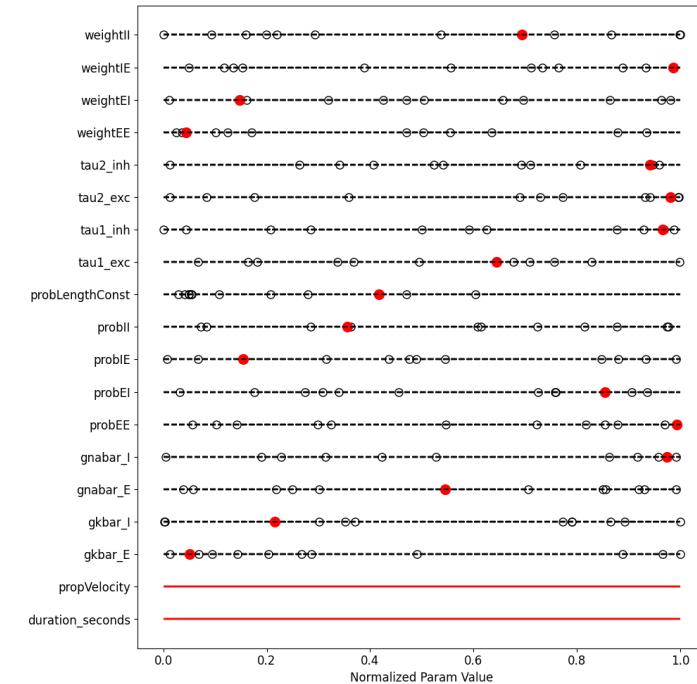
```

```

burstAmp_Fitness: {'Value': 18.203124637796645, 'Fit': 4.960776688485613}
burst_peak_frequency_fitness: {'Value': 0.9803921568627451, 'Fit': 48.53828855239109}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 22.427742198891337, 'Fit': 1000}
slopeFitness: {'Value': -0.08143309980425027, 'Fit': 1.1768792122540837}
thresh: {'Value': 12.4238938325865, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 8.244846970643348, 'Fit': 1000}
E_rate_fitness: {'Value': 77.32539682539682, 'Fit': 1000}
I_rate_fitness: {'Value': 14.064814814814815, 'Fit': 4.9210332495115745}
maxFitness: 1000
average_fitness: 562.1774419669603
average_scaled_fitness: 561.6615705814454

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



```

rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, 'width': 0.5, 'max': 0.5}
thresh_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7}
burst_peak_frequency: {'target': 0.3333333333333333, 'width': 0.1666666666666666, 'min': 0.25}
sustained_osc: {'target': 100, 'width': 5, 'min': 75}

```

```

burstAmp_Fitness: {'Value': 0.11112432708042519, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.2517306482064191, 'Fit': 1.6316897115872893}
IBI_fitness: {'Value': 1627.5, 'Fit': 2.645263038297227}
baseline_fitness: {'Value': 16.893747541602224, 'Fit': 1000}
slopeFitness: {'Value': 1.228888944371543e-05, 'Fit': 1.0000245780799248}
thresh: {'Value': 16.78785136164401, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 92.25484072454717, 'Fit': 4.706911004046382}
E_rate_fitness: {'Value': 57.58333333333336, 'Fit': 1000}
I_rate_fitness: {'Value': 0.21296296296296297, 'Fit': 1000}
maxFitness: 1000
average_fitness: 556.6648764813345
average_scaled_fitness: 556.2210866607617

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0

