

```

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}

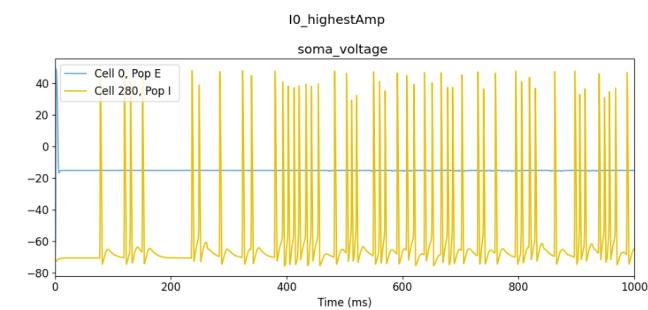
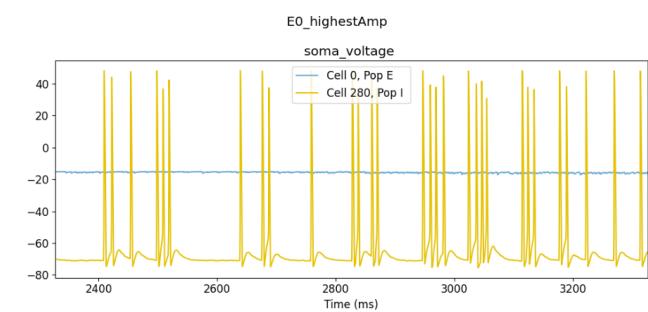
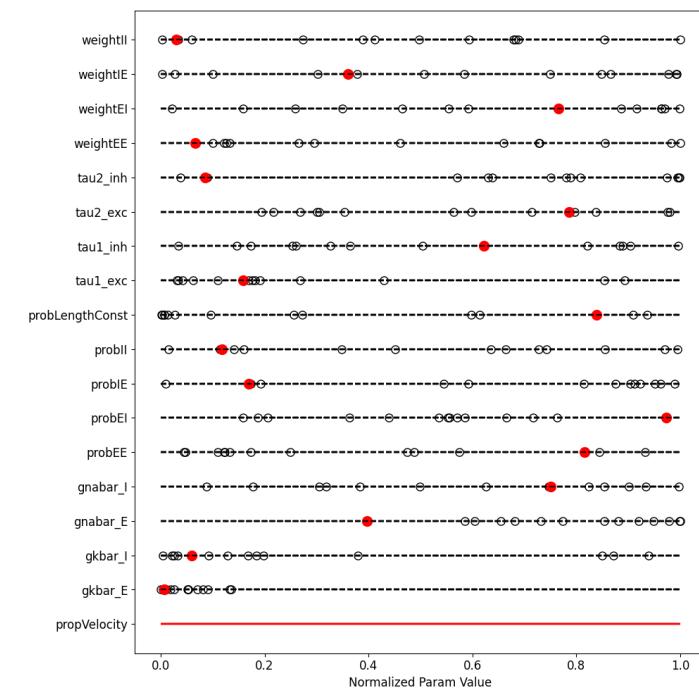
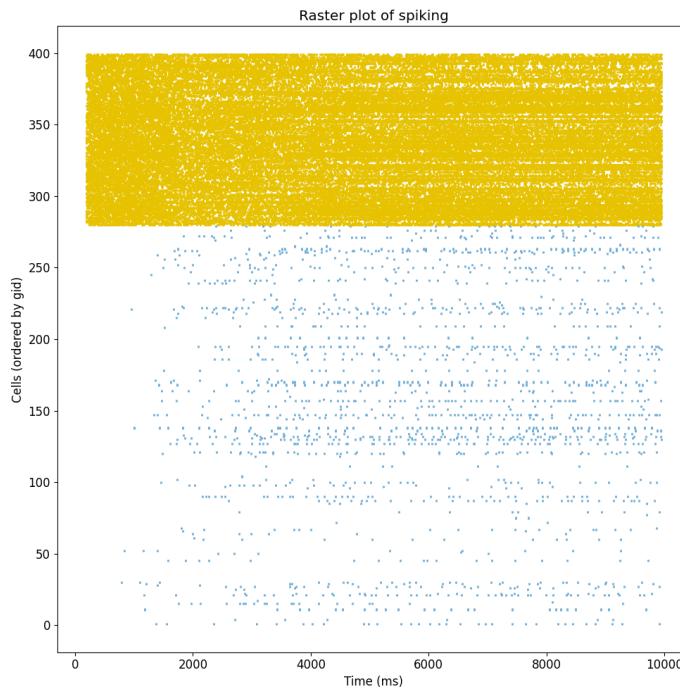
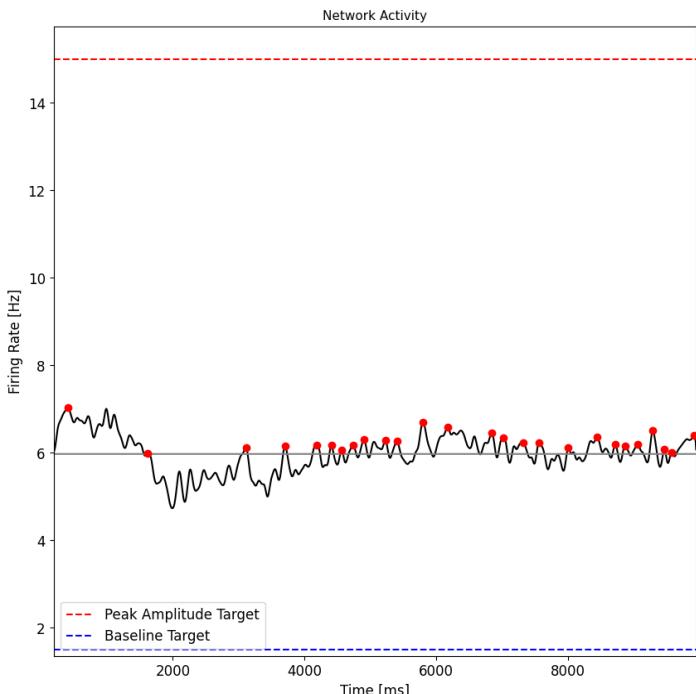
```

```

burstAmp_Fitness: {'Value': 0.30698028135163846, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 2.6124089424767645, 'Fit': 1000}
IBI_fitness: {'Value': 380.7, 'Fit': 3.747843635529321}
baseline_fitness: {'Value': 5.988100541294636, 'Fit': 1000}
slopeFitness: {'Value': 5.715623667814507e-05, 'Fit': 1.000114319007276}
thresh: {'Value': 5.971147498794758, 'Fit': 0.378648290258081}
sustain_oscillation_fitness: {'Value': 97.60299625468166, 'Fit': 1.615106258203766}
E_rate_fitness: {'Value': 0.011904761904761904, 'Fit': 1000}
I_rate_fitness: {'Value': 54.879629629629626, 'Fit': 12.036731861542894}
maxFitness: 1000
average_fitness: 446.5309382627269
average_scaled_fitness: 446.3212887653655

```

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}

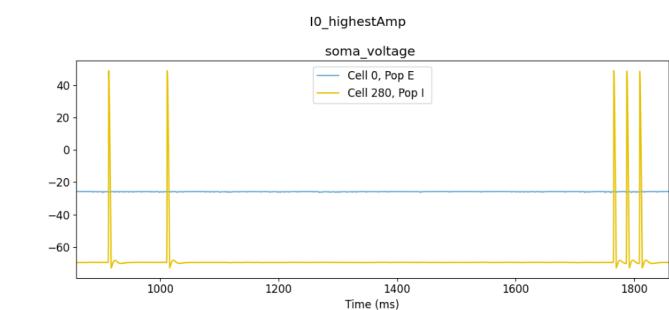
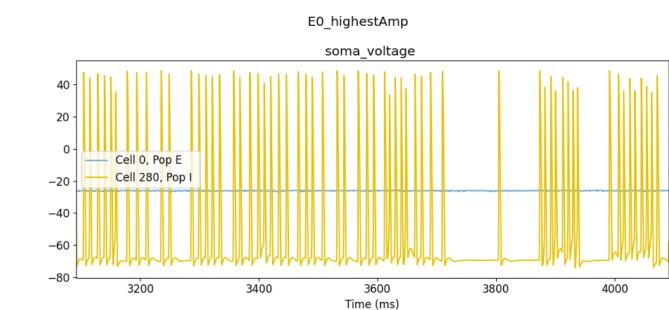
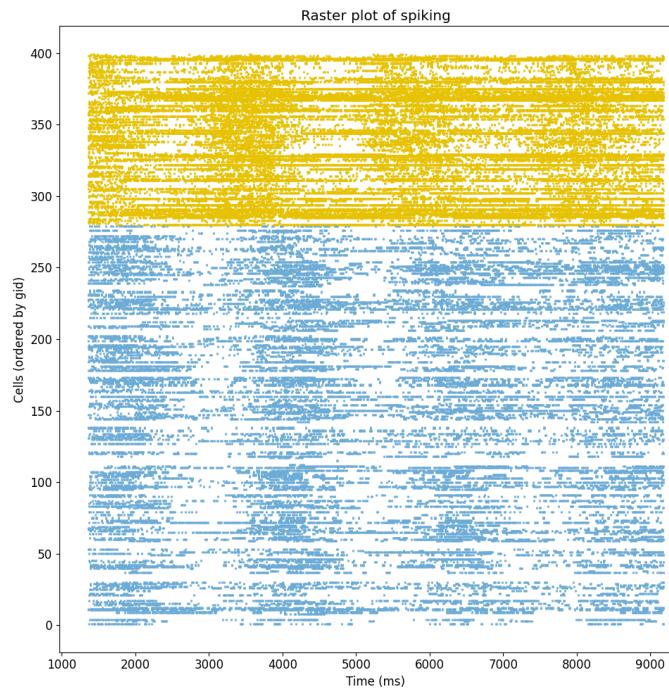
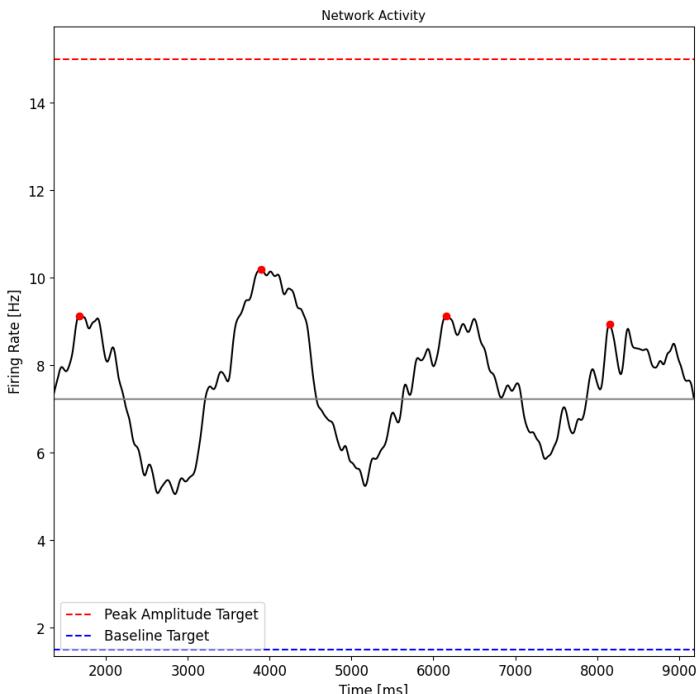
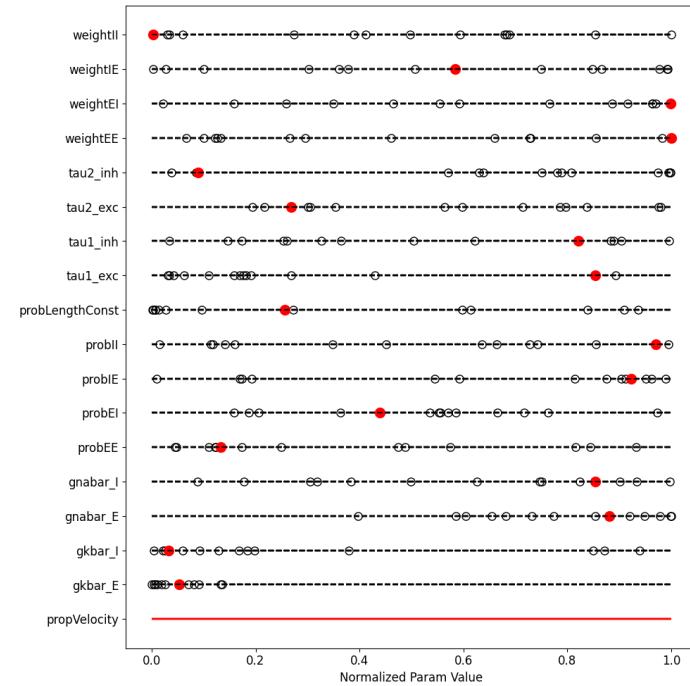
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```

burstAmp_Fitness: {'Value': 2.1203174364079773, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.4357298474945534, 'Fit': 1.8485084764507018}
IBI_fitness: {'Value': 2160.0, 'Fit': 1.5246496076130907}
baseline_fitness: {'Value': 7.592980296160551, 'Fit': 1000}
slopeFitness: {'Value': 0.0002599365554891534, 'Fit': 1.0005200082684247}
thresh: {'Value': 7.225392102270848, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 78.20224719101122, 'Fit': 78.22197057985548}
E_rate_fitness: {'Value': 1.6428571428571428, 'Fit': 10.410939651403002}
I_rate_fitness: {'Value': 23.25, 'Fit': 1.9640329759698474}
maxFitness: 1000
average_fitness: 343.88562458884013
average_scaled_fitness: 343.2285115738094

```

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}

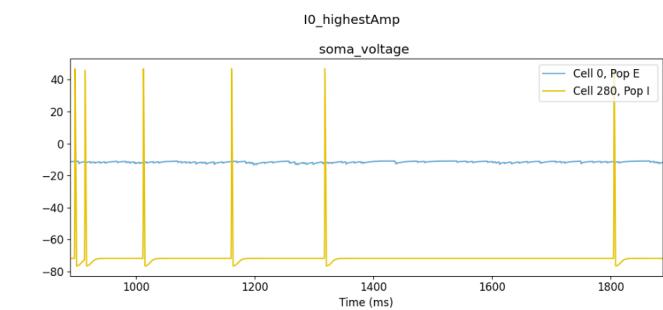
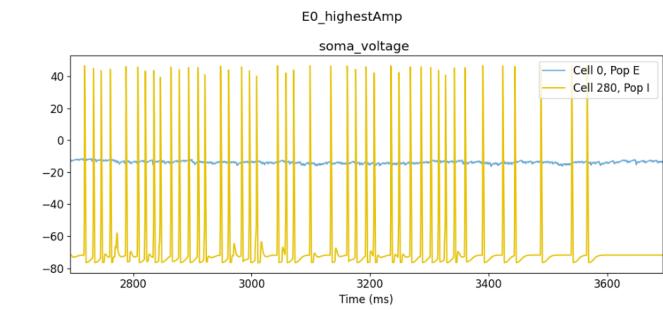
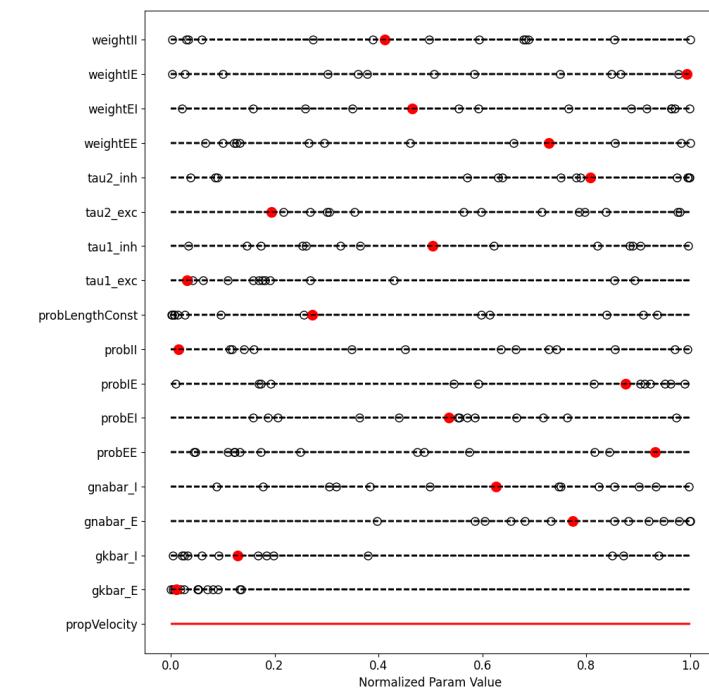
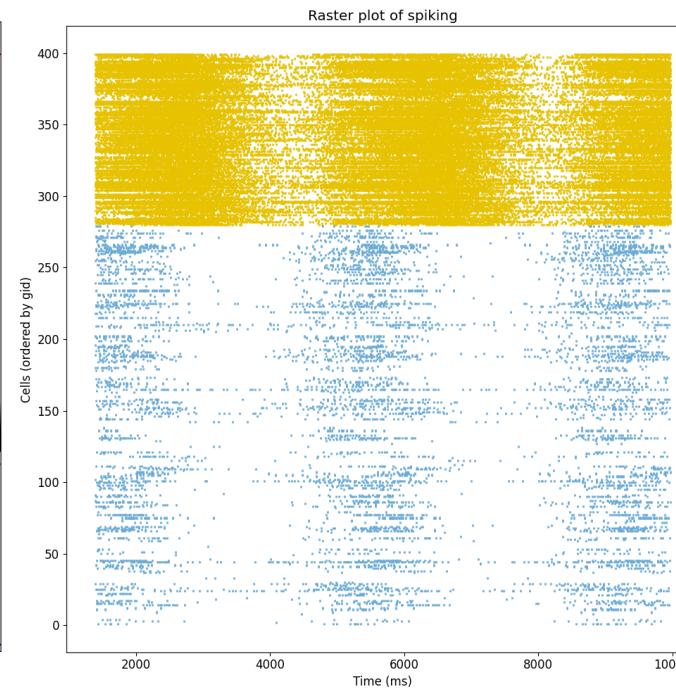
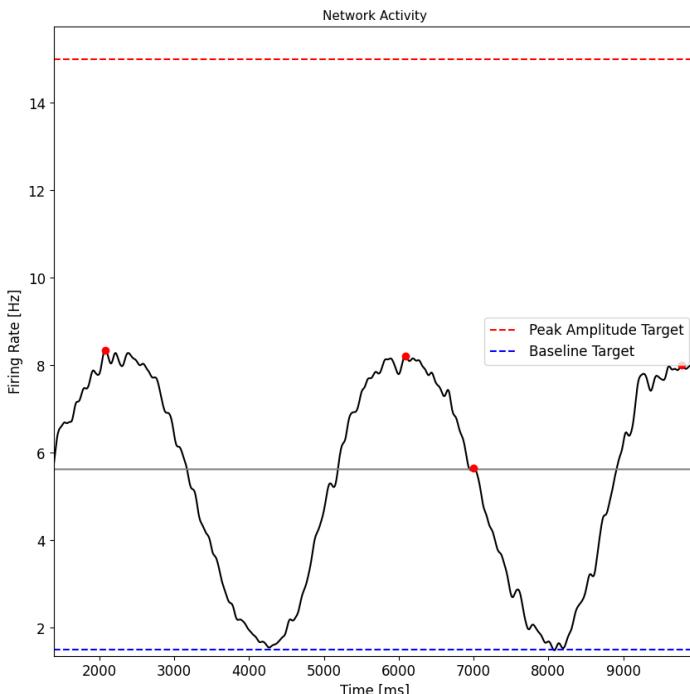
```

```

burstAmp_Fitness: {'Value': 1.933575565088278, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.4010025062656642, 'Fit': 1.5008251210871444}
IBI_fitness: {'Value': 2567.5, 'Fit': 334.6517903874919}
baseline_fitness: {'Value': 5.425694783357251, 'Fit': 1000}
slopeFitness: {'Value': -0.0008331559556403008, 'Fit': 1.0016677009804071}
thresh: {'Value': 5.621073539307177, 'Fit': 0.5373672429718314}
sustain_oscillation_fitness: {'Value': 85.84269662921349, 'Fit': 16.970230707210714}
E_rate_fitness: {'Value': 0.8849206349206349, 'Fit': 1000}
I_rate_fitness: {'Value': 18.416666666666664, 'Fit': 3.1846211486585325}
maxFitness: 1000
average_fitness: 373.0940558120445
average_scaled_fitness: 372.75699596829463

```

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}

```

```

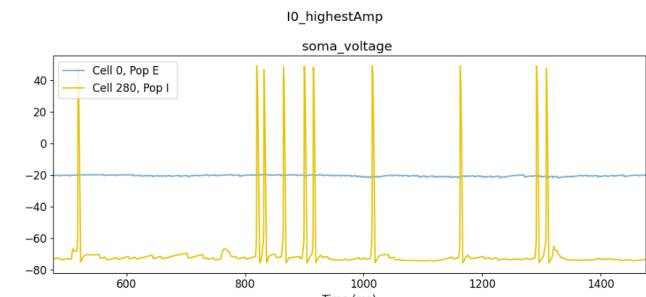
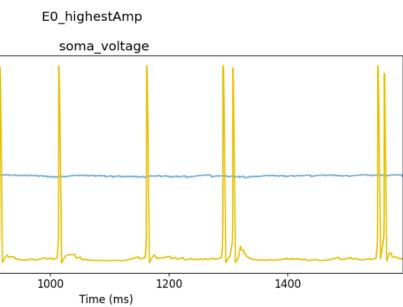
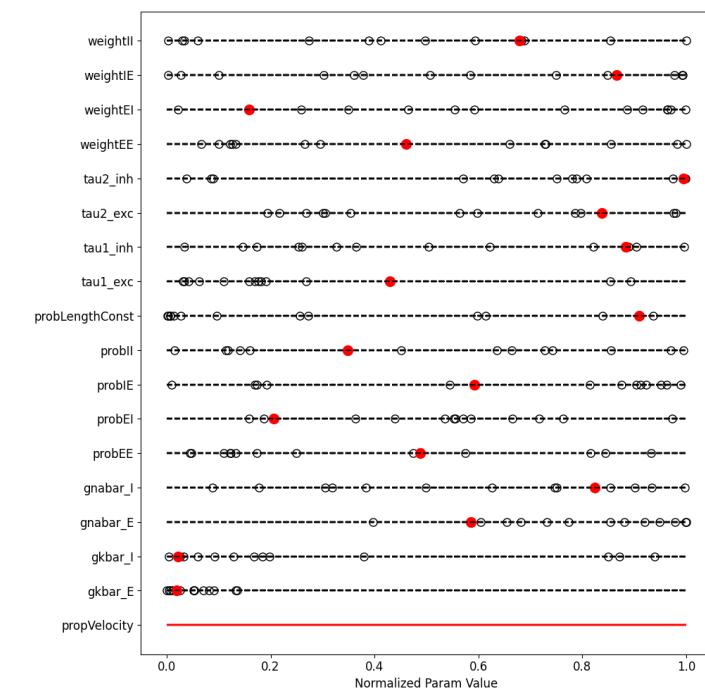
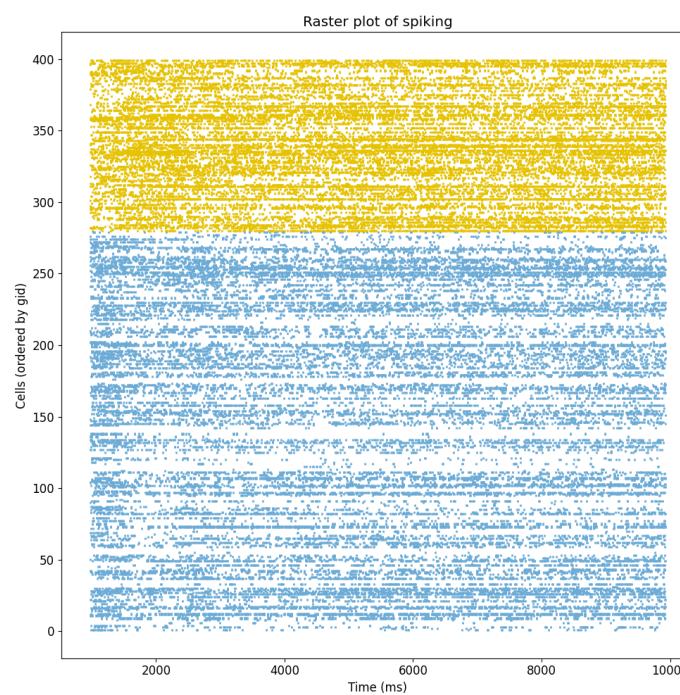
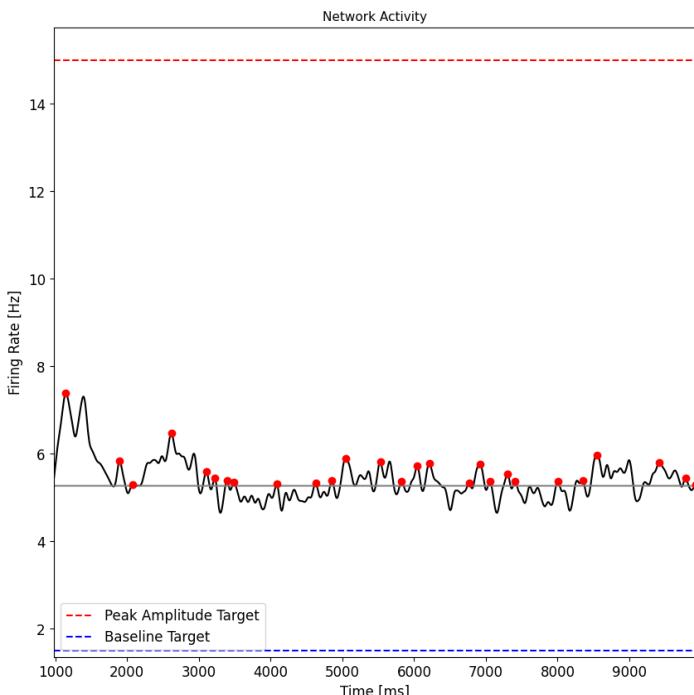
burstAmp_Fitness: {'Value': 0.3620546740049522, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 2.719033232628399, 'Fit': 1000}
IBI_fitness: {'Value': 337.5, 'Fit': 3.8068122155014814}
baseline_fitness: {'Value': 5.4216161212262755, 'Fit': 1000}
slopeFitness: {'Value': -0.0004960003047060409, 'Fit': 1.0009924928047558}
thresh: {'Value': 5.265784401301693, 'Fit': 0.7666043885936378}
sustain_oscillation_fitness: {'Value': 89.51310861423221, 'Fit': 8.144788518631392}
E_rate_fitness: {'Value': 4.777777777777778, 'Fit': 2.9709711588854004}
I_rate_fitness: {'Value': 16.98148148148148, 'Fit': 3.6760979569946612}
maxFitness: 1000
average_fitness: 335.59625185904565
average_scaled_fitness: 335.0865262720509

```

```

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': 1.3809828099927994, 'Fit': 1000.0}
```

```
burst_peak_frequency_fitness: {'Value': 0.6374501992031872, 'Fit': 6.200941871176879}
```

```
IBI_fitness: {'Value': 1576.5, 'Fit': 2.2900235543957783}
```

```
baseline_fitness: {'Value': 4.440313309194301, 'Fit': 1000}
```

```
slopeFitness: {'Value': -0.0004684156692259484, 'Fit': 1.0009372703019979}
```

```
thresh: {'Value': 4.498946131616797, 'Fit': 1.650459721808464}
```

```
sustain_oscillation_fitness: {'Value': 84.04494382022472, 'Fit': 24.31300119705449}
```

```
E_rate_fitness: {'Value': 0.3611111111111111, 'Fit': 1000}
```

```
I_rate_fitness: {'Value': 27.48148148148148, 'Fit': 1.2864054445828286}
```

```
maxFitness: 1000
```

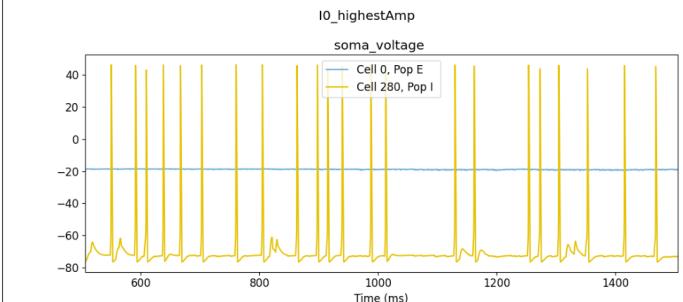
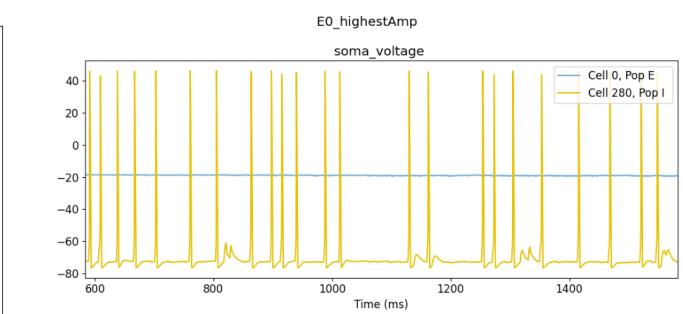
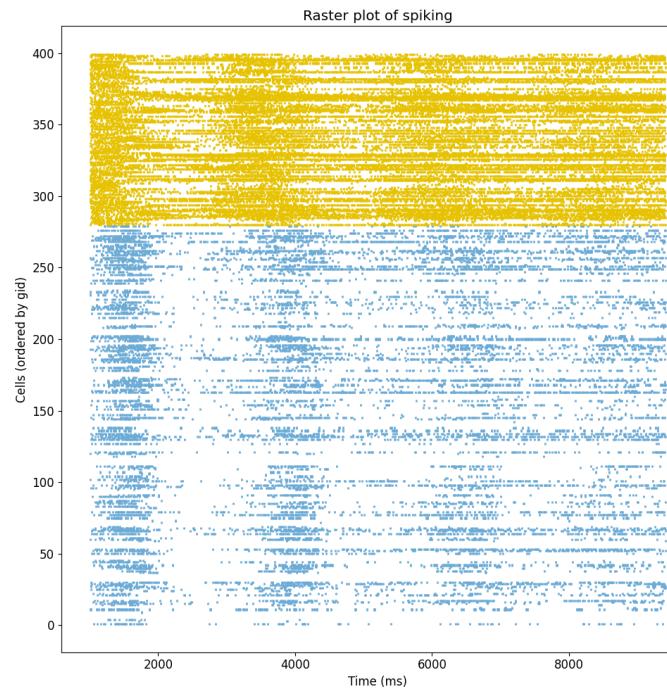
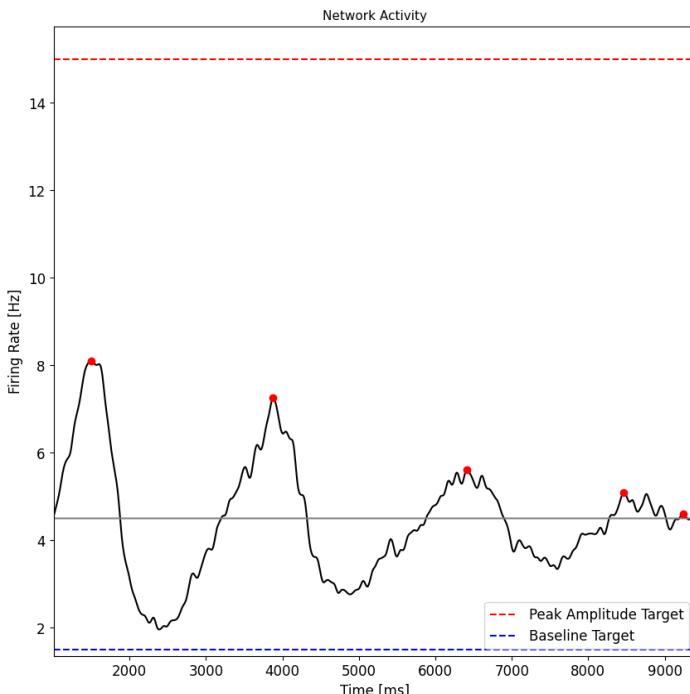
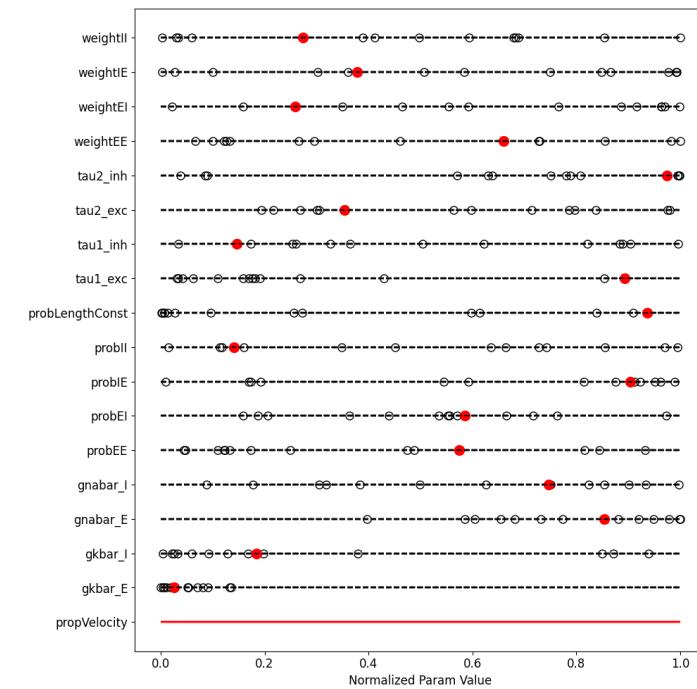
```
average_fitness: 337.41575211770225
```

```
average_scaled_fitness: 336.7518823572961
```

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}

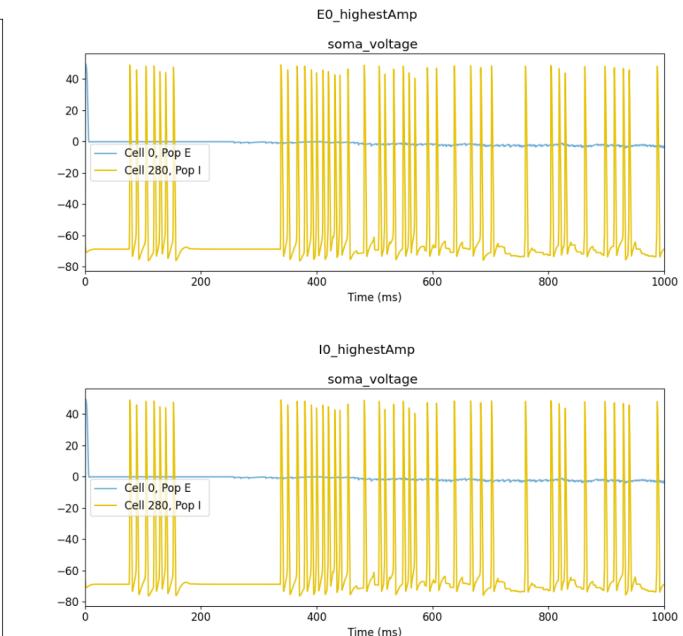
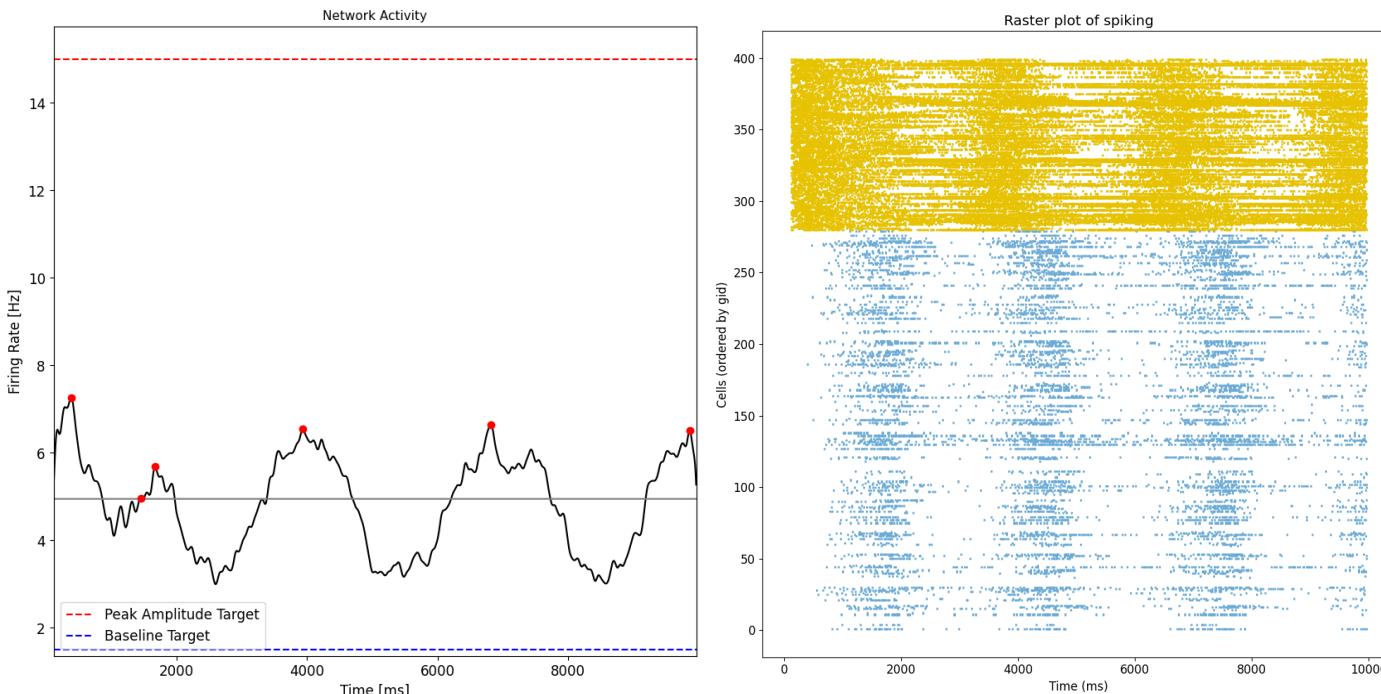
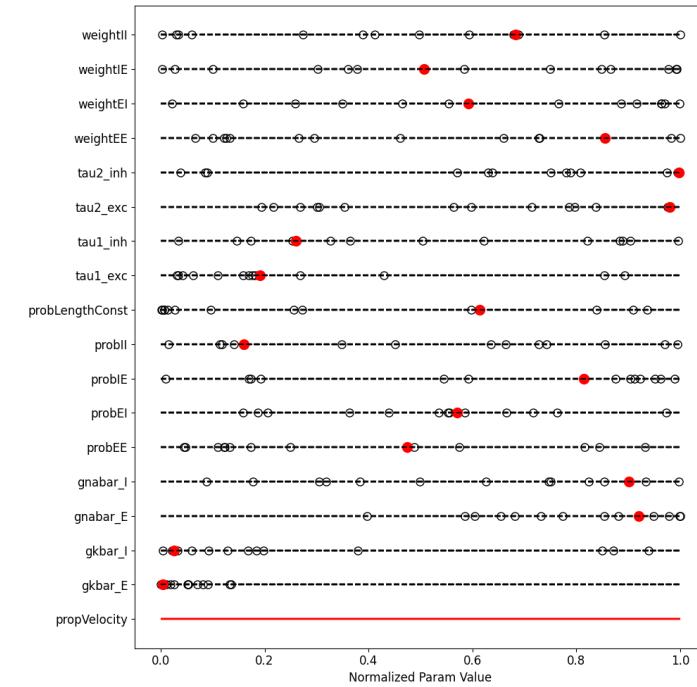
```

```

burstAmp_Fitness: {'Value': 1.3224500554685108, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.6024096385542168, 'Fit': 5.025162698969181}
IBI_fitness: {'Value': 1894.5, 'Fit': 2.0359881935251156}
baseline_fitness: {'Value': 4.836656861175548, 'Fit': 1000}
slopeFitness: {'Value': -0.00023594990893399957, 'Fit': 1.000472011801035}
thresh: {'Value': 4.944237024263732, 'Fit': 1.0573470371301363}
sustain_oscillation_fitness: {'Value': 98.35205992509364, 'Fit': 1.390395188462777}
E_rate_fitness: {'Value': 0.5714285714285714, 'Fit': 1000}
I_rate_fitness: {'Value': 47.82407407407407, 'Fit': 5.944149196224549}
maxFitness: 1000
average_fitness: 335.16150159172133
average_scaled_fitness: 334.49568314939273

```

binSize: 7.5  
gaussianSigma: 30.0  
thresholdBurst: 1.0



Data Directory: /NERSC/output/240429\_Run2\_debug\_node\_run/gen\_2/gen\_2\_cand\_59\_data.json

SimLabel: gen\_2\_cand\_59

Generation Rank: 12/14

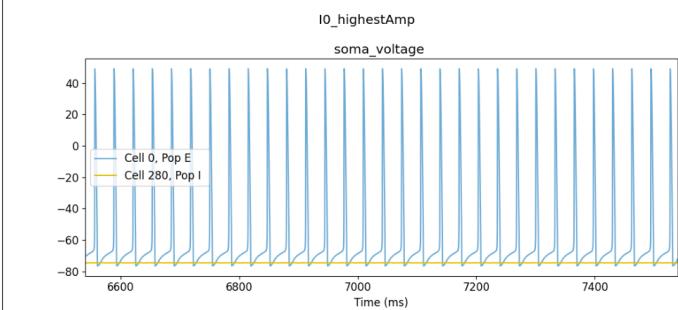
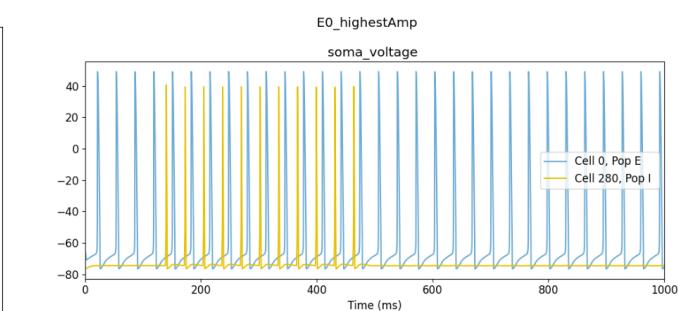
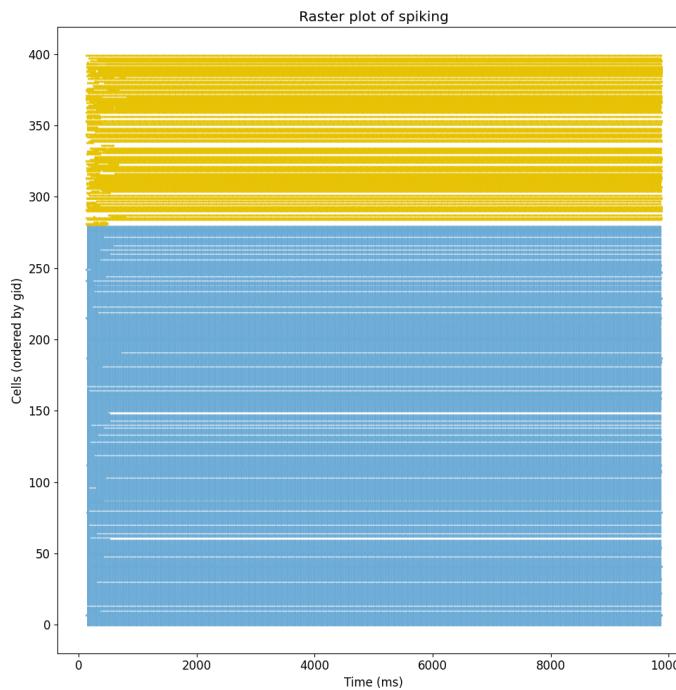
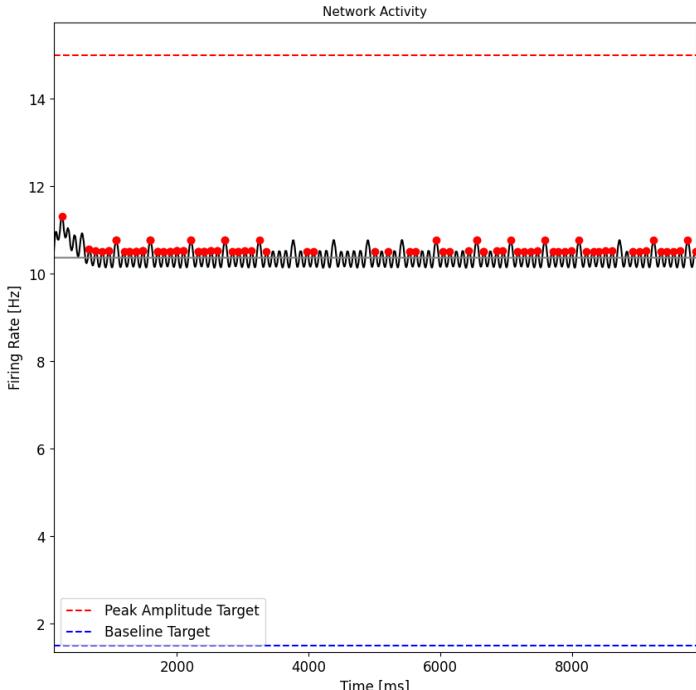
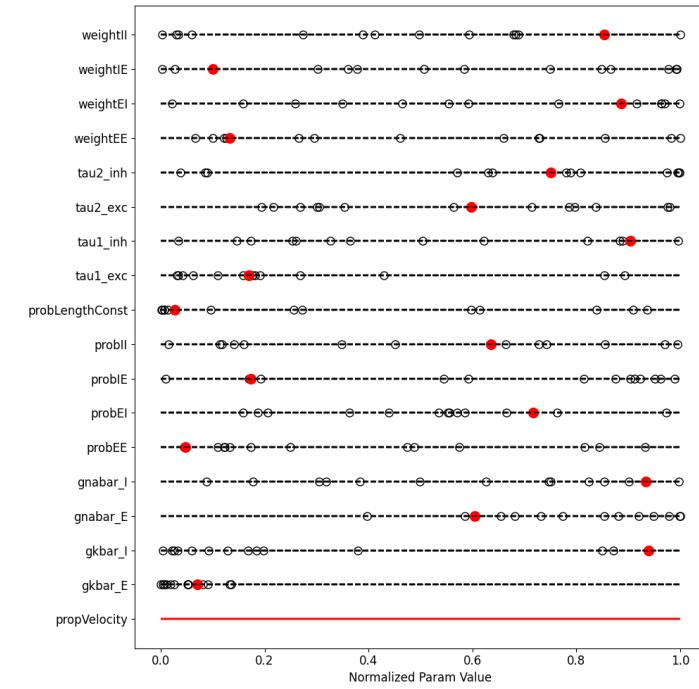
```
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 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': 0.20494101339347462, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 9.212857504429259, 'Fit': 1000}
IBI_fitness: {'Value': 106.75, 'Fit': 50.21735010016753}
baseline_fitness: {'Value': 10.39083341369117, 'Fit': 1000}
slopeFitness: {'Value': -9.320898634524385e-05, 'Fit': 1.0001864353496006}
thresh: {'Value': 10.367509786519165, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 97.67267267267268, 'Fit': 1.592755389000704}
E_rate_fitness: {'Value': 28.44047619047619, 'Fit': 1000}
I_rate_fitness: {'Value': 22.48148148148148, 'Fit': 2.1209240192281644}
maxFitness: 1000
average_fitness: 561.6590239937495
average_scaled_fitness: 561.2201623520291
```

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}

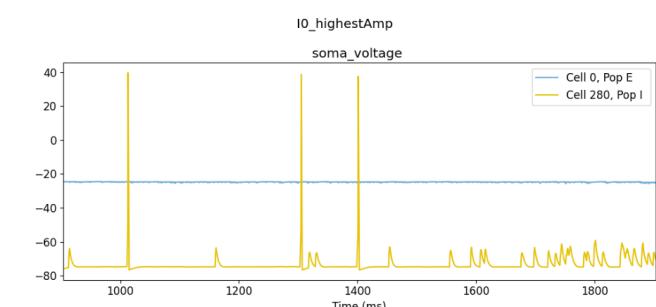
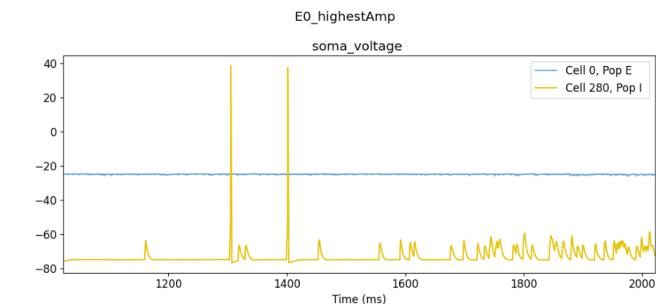
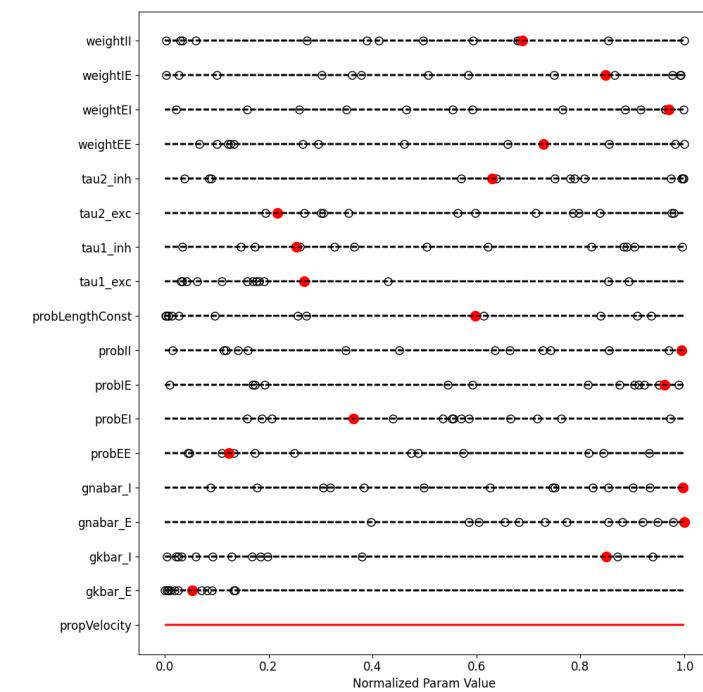
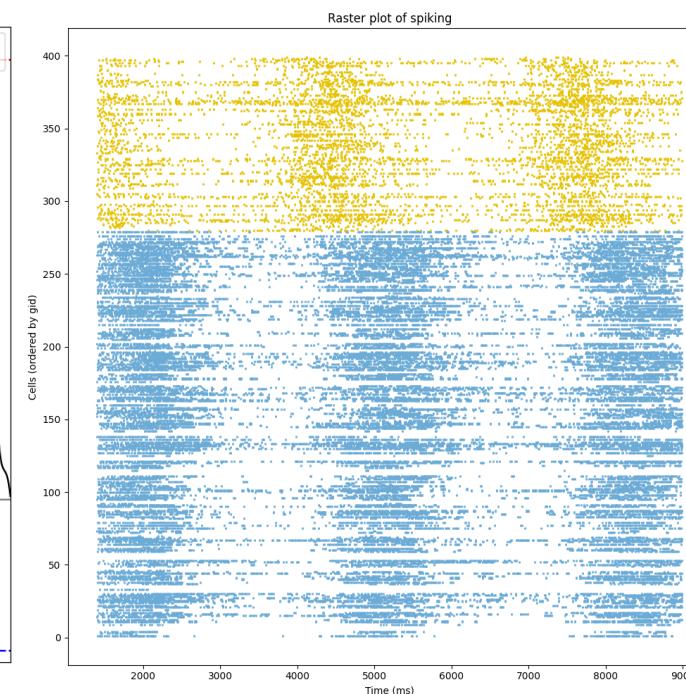
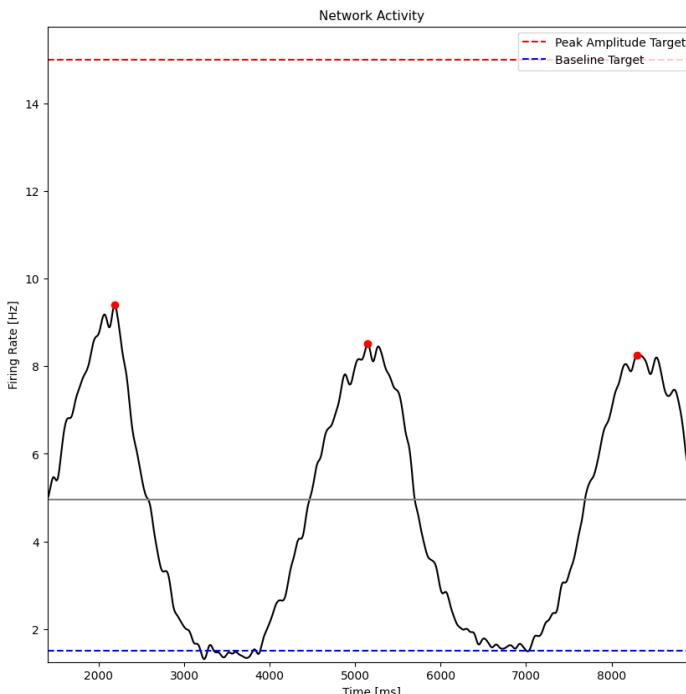
```

```

burstAmp_Fitness: {'Value': 3.761054088956605, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.33361134278565474, 'Fit': 1.001669448694389}
IBI_fitness: {'Value': 3056.25, 'Fit': 1.0523444194851552}
baseline_fitness: {'Value': 4.759094750927645, 'Fit': 1000}
slopeFitness: {'Value': 0.00011648951375730002, 'Fit': 1.000233006169236}
thresh: {'Value': 4.956282409366429, 'Fit': 1.0446872837510583}
sustain_oscillation_fitness: {'Value': 75.88014981273409, 'Fit': 124.45821504632488}
E_rate_fitness: {'Value': 2.4444444444444446, 'Fit': 7.555095393791001}
I_rate_fitness: {'Value': 15.435185185185185, 'Fit': 4.290835552601959}
maxFitness: 1000
average_fitness: 237.82256446120195
average_scaled_fitness: 237.05944613748366

```

binSize: 7.5  
gaussianSigma: 30.0  
thresholdBurst: 1.0



Data Directory: /NERSC/output/240430\_Run1\_interactive\_node\_run/gen\_0/gen\_0\_cand\_76\_data.json

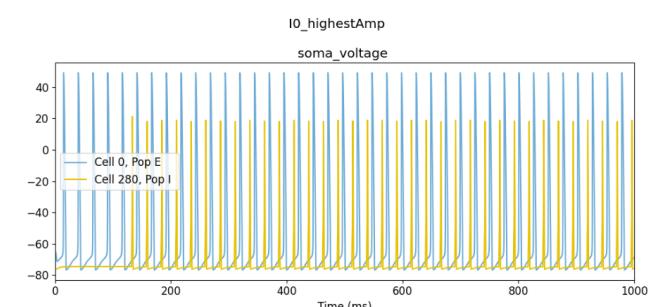
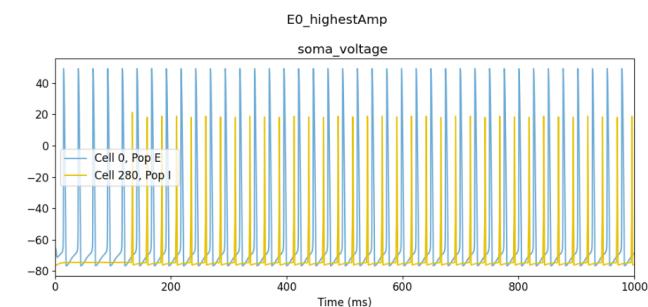
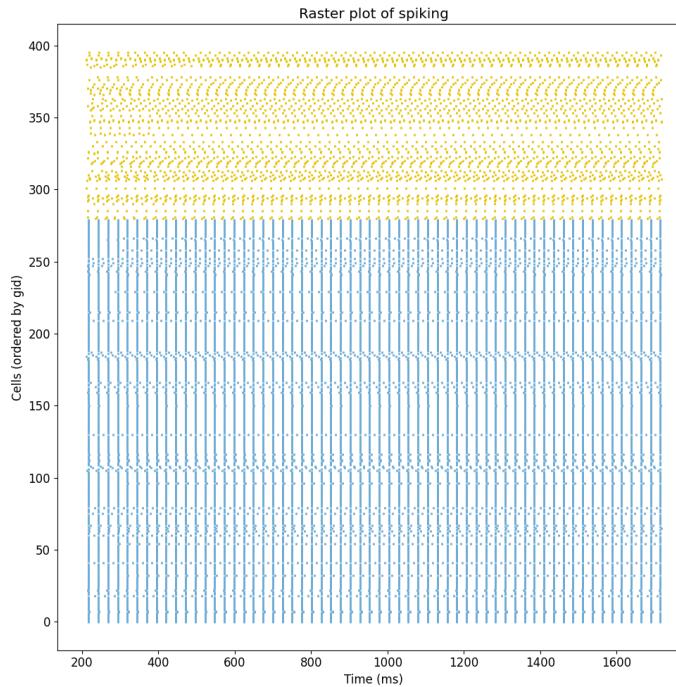
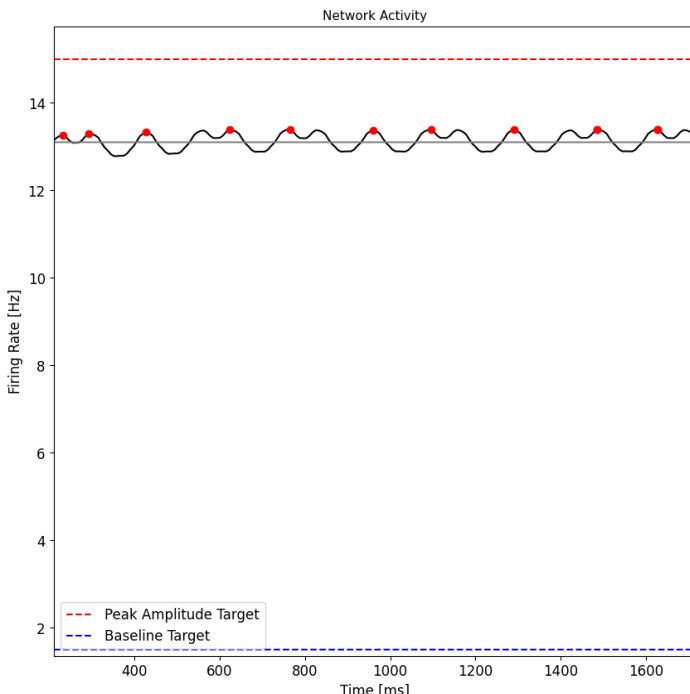
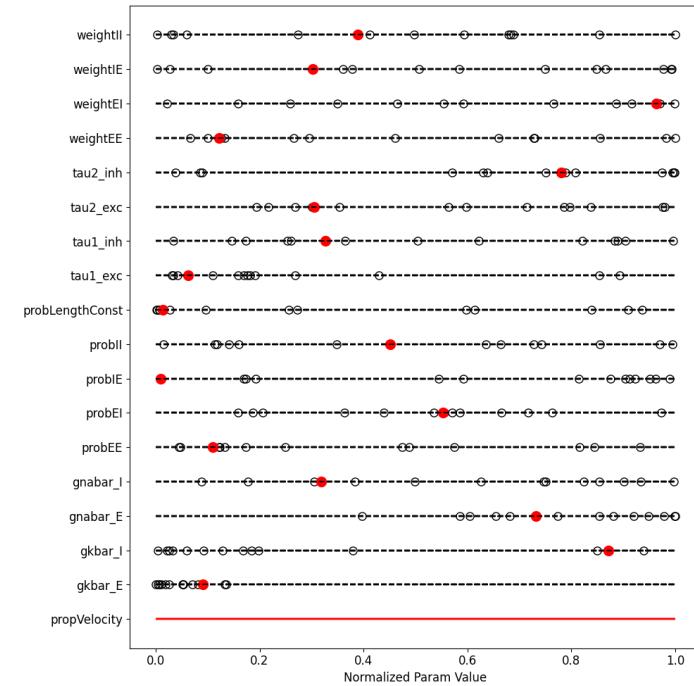
SimLabel: gen\_0\_cand\_76

Generation Rank: 13/14

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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': 0.2815108162858028, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 33.18777292576419, 'Fit': 1000}
IBI_fitness: {'Value': 24.910714285714285, 'Fit': 66.27324520286736}
baseline_fitness: {'Value': 13.139203660865071, 'Fit': 1000}
slopeFitness: {'Value': 0.0004907411118588423, 'Fit': 1.0009819640350122}
thresh: {'Value': 13.099191139702558, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 15.153788447111777, 'Fit': 1000}
E_rate_fitness: {'Value': 38.96031746031746, 'Fit': 1000}
I_rate_fitness: {'Value': 16.88888888888889, 'Fit': 3.7102939716106484}
maxFitness: 1000
average_fitness: 674.553835682057
average_scaled_fitness: 674.2277435289466
```

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_oscil: {'target': 100, 'width': 5, 'min': 75}

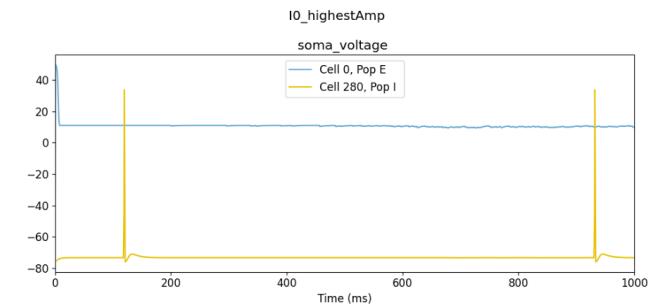
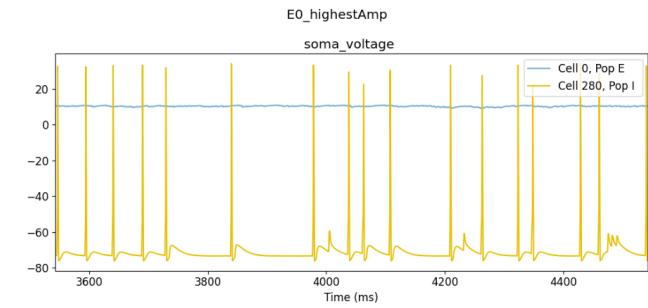
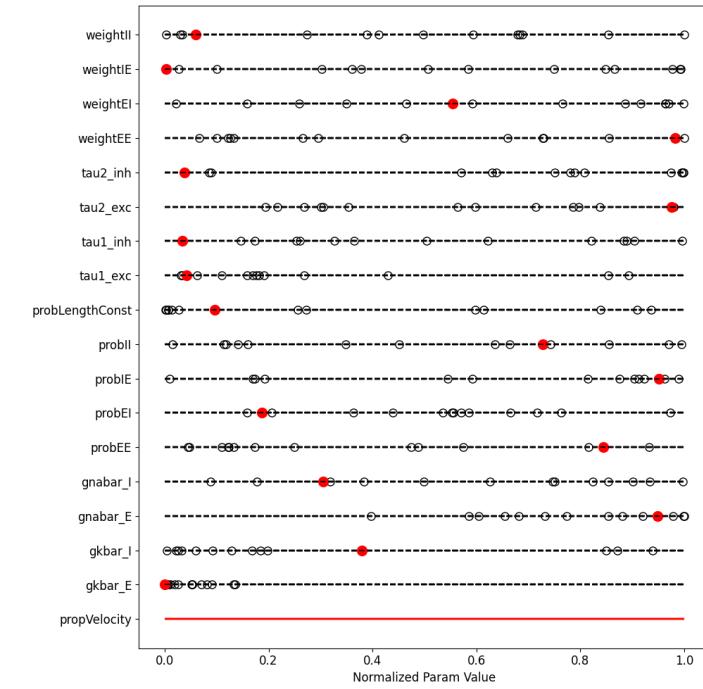
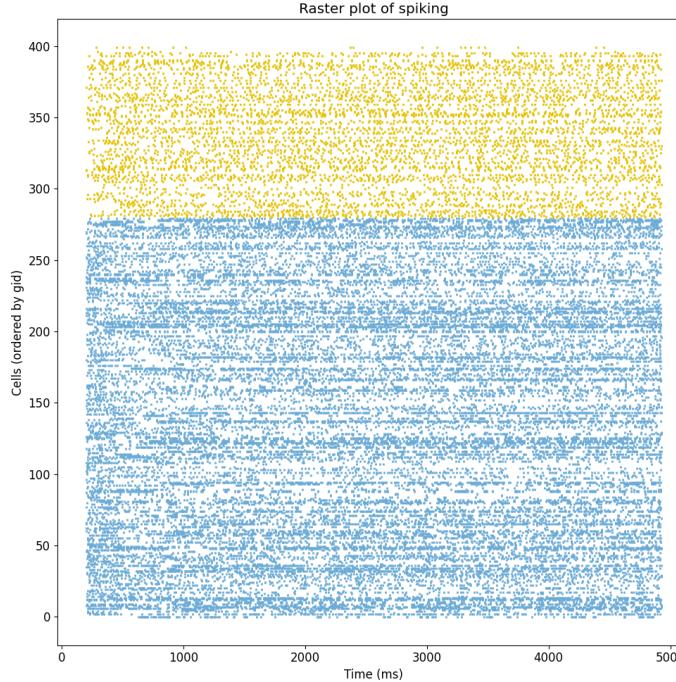
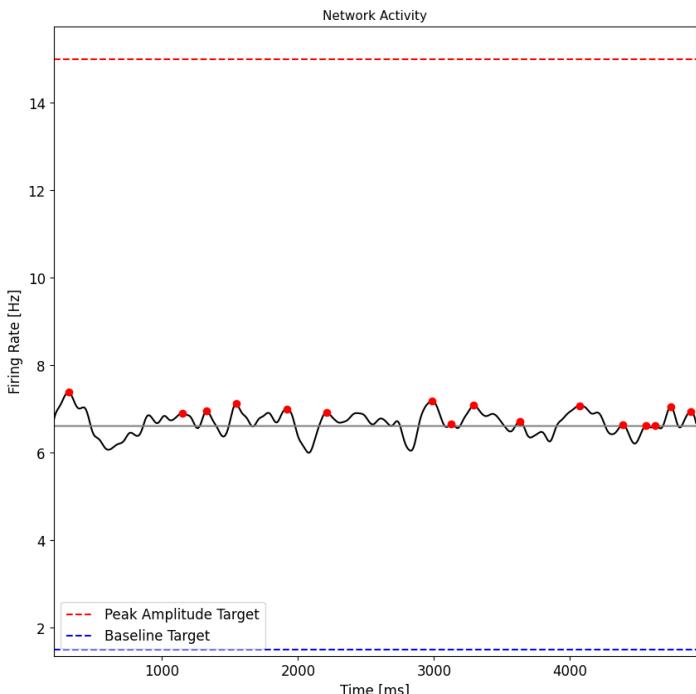
```

```

burstAmp_Fitness: {'Value': 0.31985713624859125, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 3.2470826991374935, 'Fit': 1000}
IBI_fitness: {'Value': 305.0, 'Fit': 3.870013369620602}
baseline_fitness: {'Value': 6.69193739562785, 'Fit': 1000}
slopeFitness: {'Value': -3.996106867422769e-05, 'Fit': 1.0000799253312076}
thresh: {'Value': 6.609985161087215, 'Fit': 0.1998905802120237}
sustain_oscillation_fitness: {'Value': 94.46107784431138, 'Fit': 3.0276430064092956}
E_rate_fitness: {'Value': 19.46825396825397, 'Fit': 119.97718351175384}
I_rate_fitness: {'Value': 8.916666666666666, 'Fit': 8.234505665347891}
maxFitness: 1000
average_fitness: 348.47881289540834
average_scaled_fitness: 348.3485539097534

```

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}

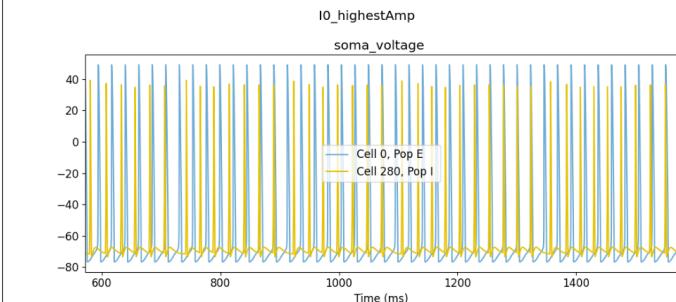
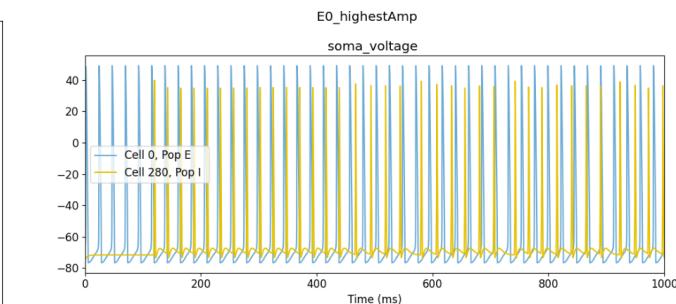
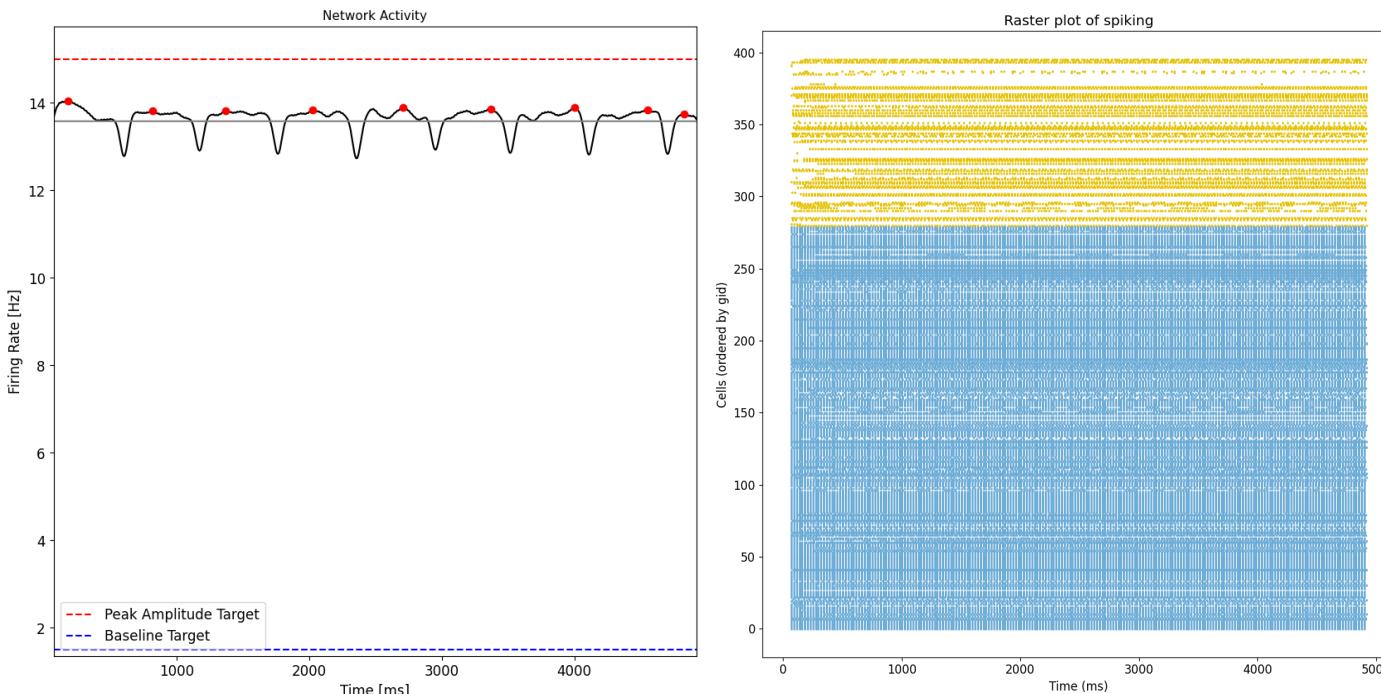
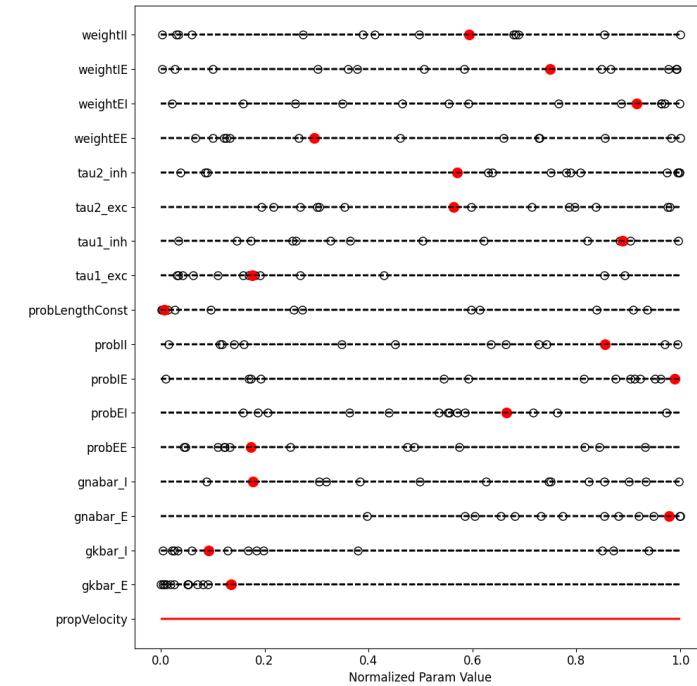
```

```

burstAmp_Fitness: {'Value': 0.2804752752403178, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 1.829268292682927, 'Fit': 1000}
IBI_fitness: {'Value': 581.25, 'Fit': 3.3580921933310286}
baseline_fitness: {'Value': 13.637603968026387, 'Fit': 1000}
slopeFitness: {'Value': -0.00013106585364120845, 'Fit': 1.0002621660668005}
thresh: {'Value': 13.579402424766844, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 97.0059880239521, 'Fit': 1.8199379283585044}
E_rate_fitness: {'Value': 42.039682539682545, 'Fit': 1000}
I_rate_fitness: {'Value': 15.009259259259258, 'Fit': 4.477541278806097}
maxFitness: 1000
average_fitness: 556.7395370629513
average_scaled_fitness: 556.2957164551997

```

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}

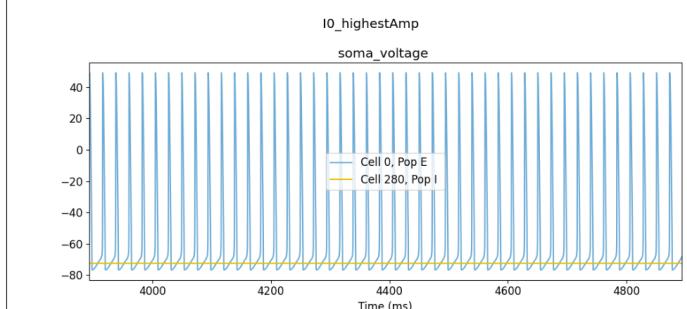
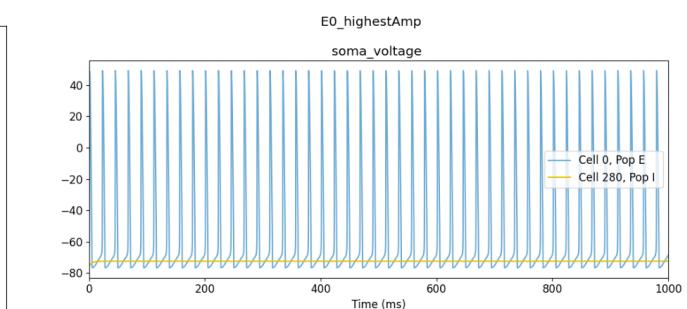
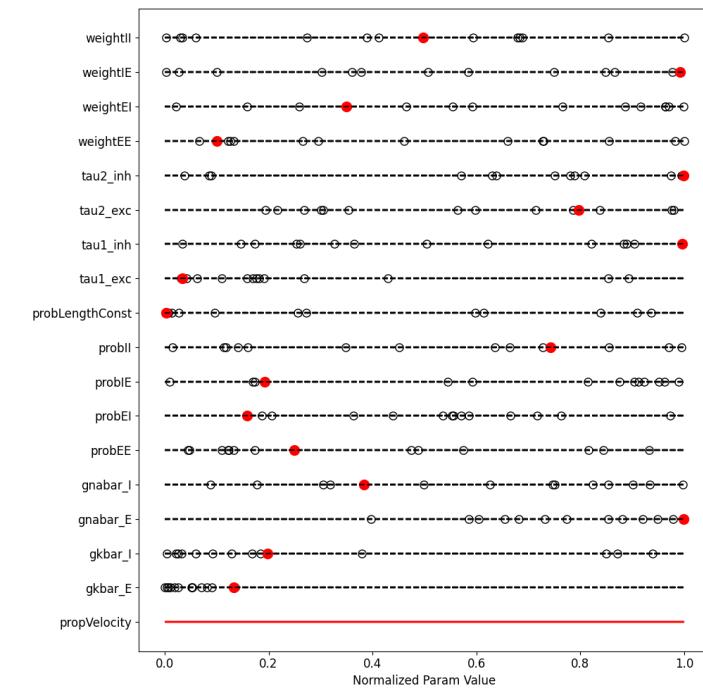
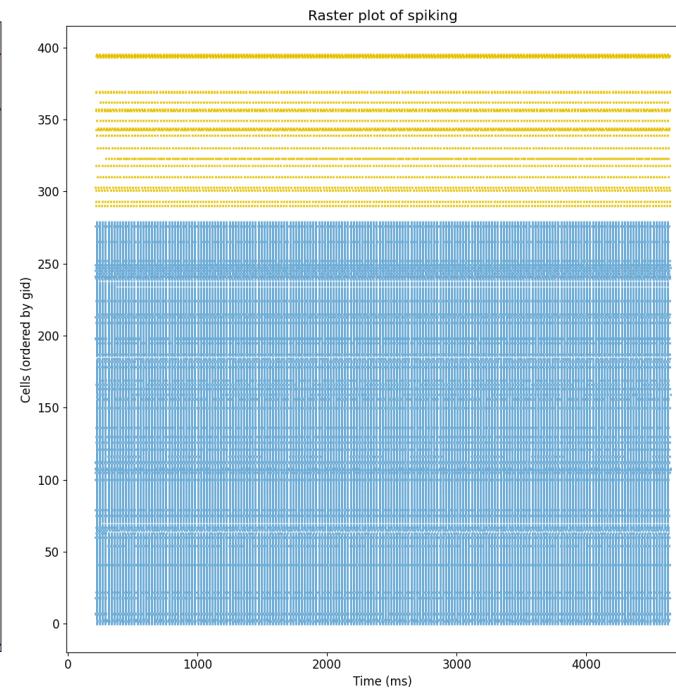
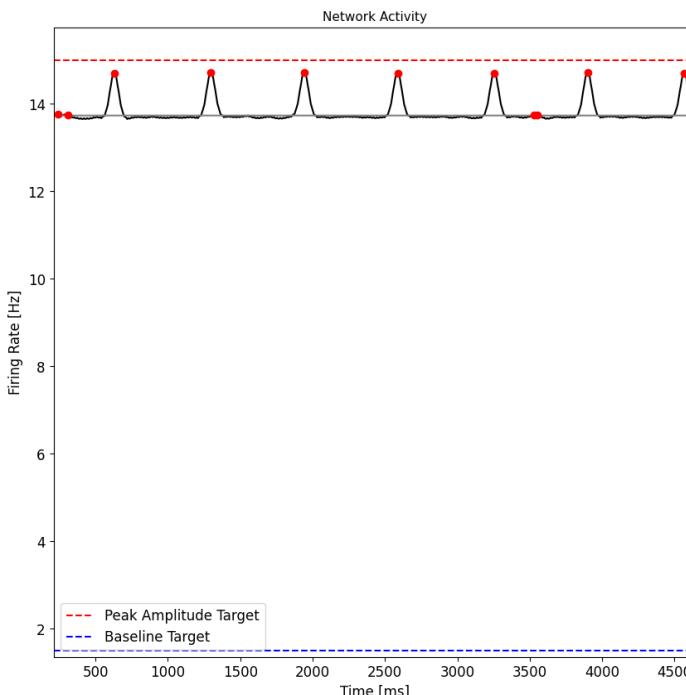
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```

burstAmp_Fitness: {'Value': 0.6230167083667538, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 2.365591397849462, 'Fit': 1000}
IBI_fitness: {'Value': 432.75, 'Fit': 3.637374575837555}
baseline_fitness: {'Value': 13.812715487851316, 'Fit': 1000}
slopeFitness: {'Value': 9.77195116891993e-05, 'Fit': 1.0001954581228285}
thresh: {'Value': 13.73309323183863, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 88.77245508982035, 'Fit': 9.445221781427623}
E_rate_fitness: {'Value': 45.69444444444444, 'Fit': 1000}
I_rate_fitness: {'Value': 7.527777777777778, 'Fit': 9.46141758464099}
maxFitness: 1000
average_fitness: 558.1715788222255
average_scaled_fitness: 557.7292215984077

```

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}

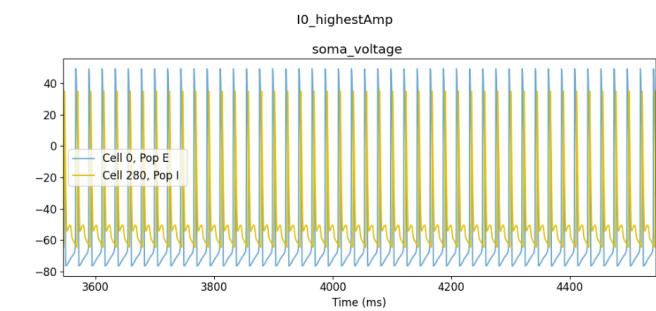
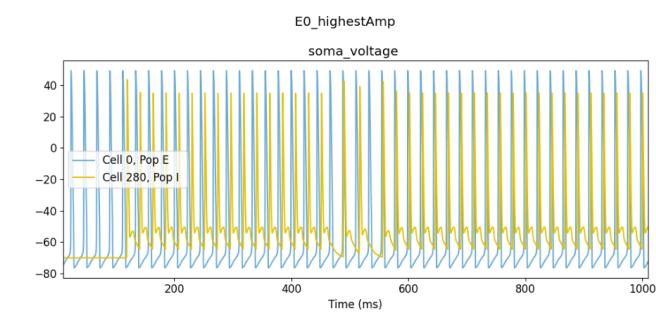
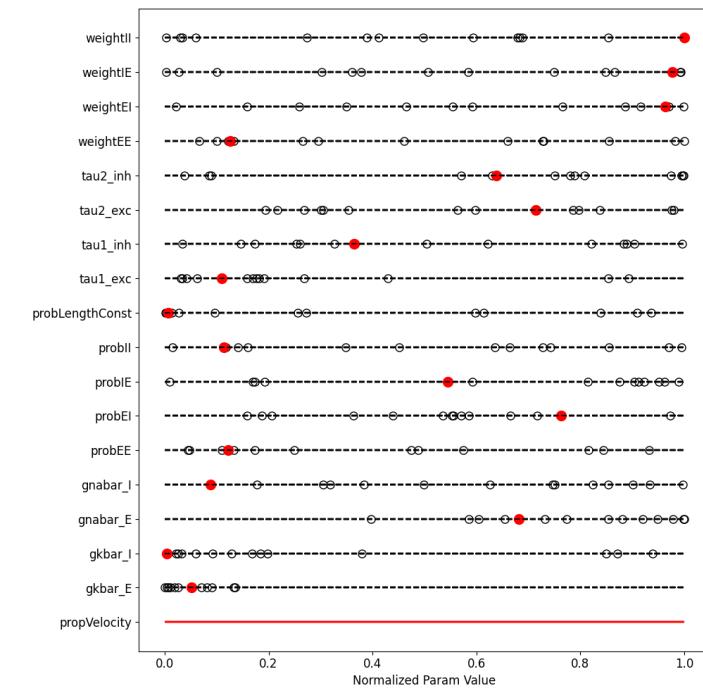
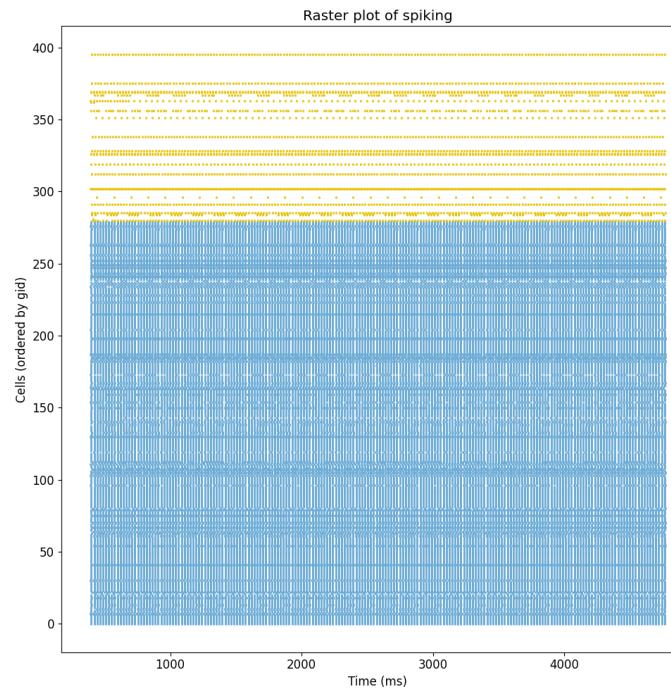
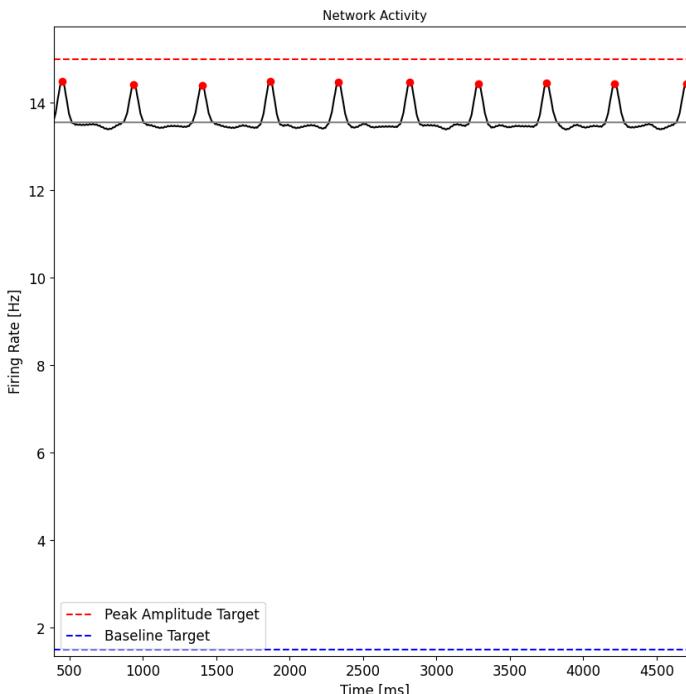
```

```

burstAmp_Fitness: {'Value': 0.8995042118104057, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 2.0964360587002098, 'Fit': 1000}
IBI_fitness: {'Value': 472.5, 'Fit': 3.538716337548243}
baseline_fitness: {'Value': 13.631111740889061, 'Fit': 1000}
slopeFitness: {'Value': -2.301055600403686e-05, 'Fit': 1.0000460221709957}
thresh: {'Value': 13.55300519990878, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 87.57485029940119, 'Fit': 12.001479575187918}
E_rate_fitness: {'Value': 46.37301587301587, 'Fit': 1000}
I_rate_fitness: {'Value': 6.157407407407407, 'Fit': 10.851021893229602}
maxFitness: 1000
average_fitness: 558.5990293142373
average_scaled_fitness: 558.1571661458167

```

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_oscil: {'target': 100, 'width': 5, 'min': 75}

```

```

burstAmp_Fitness: {'Value': 0.6285678360905689, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 4.065040650406504, 'Fit': 1000}
IBI_fitness: {'Value': 256.57894736842104, 'Fit': 3.94220122574828}
baseline_fitness: {'Value': 9.772331467259368, 'Fit': 1000}
slopeFitness: {'Value': -5.348404268963068e-05, 'Fit': 1.0001069738066688}
thresh: {'Value': 9.73696181949864, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 98.04804804804806, 'Fit': 1.4775575055553853}
E_rate_fitness: {'Value': 33.59920634920635, 'Fit': 1000}
I_rate_fitness: {'Value': 3.7222222222222223, 'Fit': 13.842973533208488}
maxFitness: 1000
average_fitness: 557.806982137591
average_scaled_fitness: 557.3642990862513

```

binSize: 7.5  
gaussianSigma: 30.0  
thresholdBurst: 1.0

