

Generation: gen\_0

Generation Rank: 3/10

```

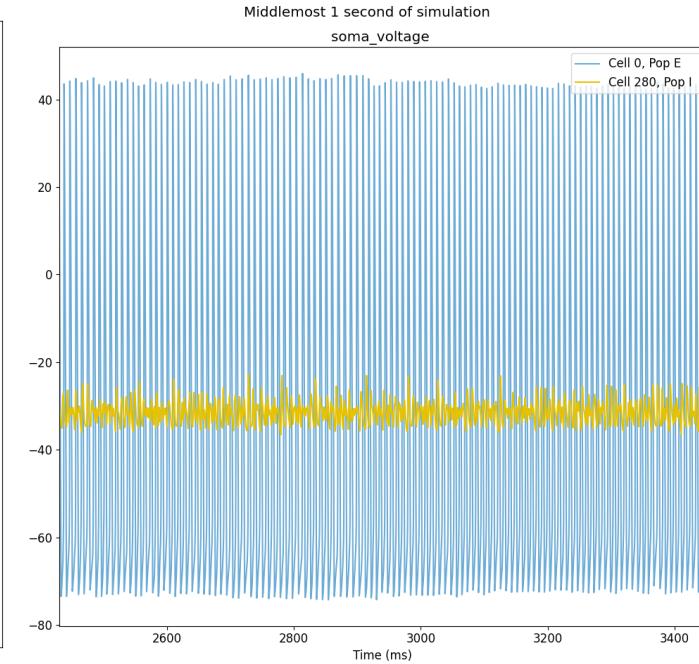
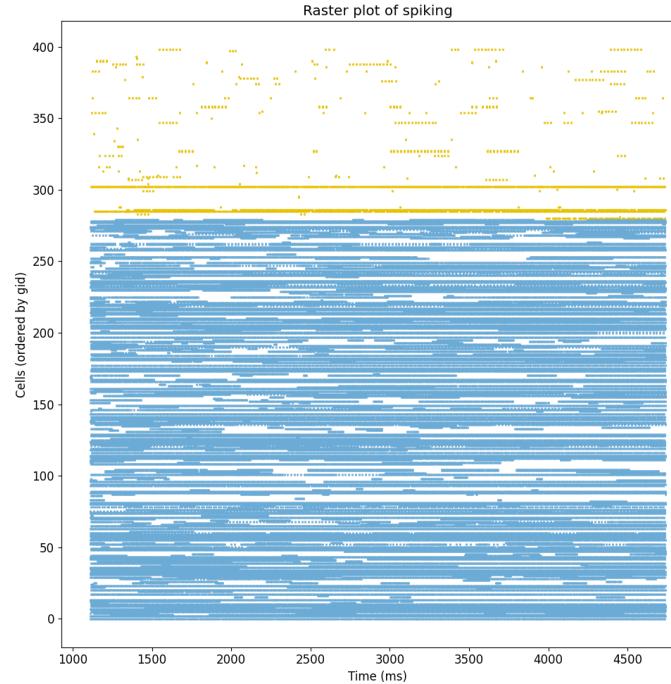
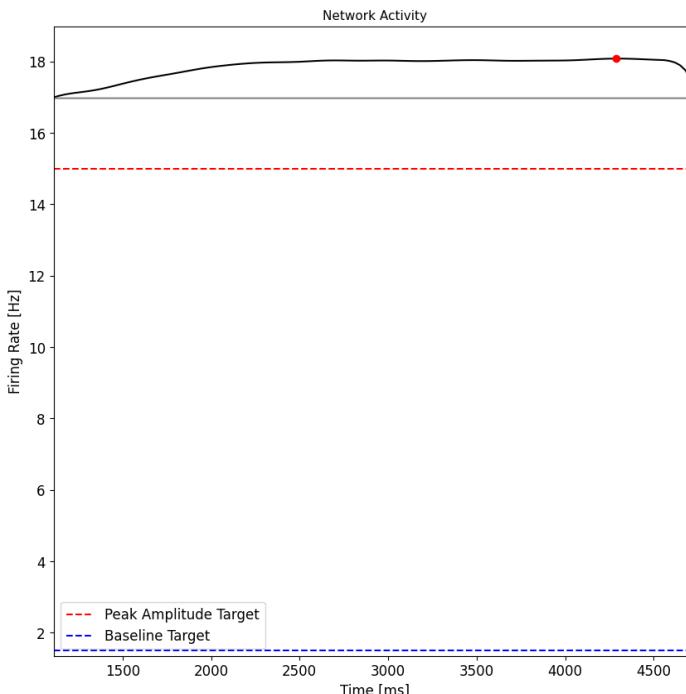
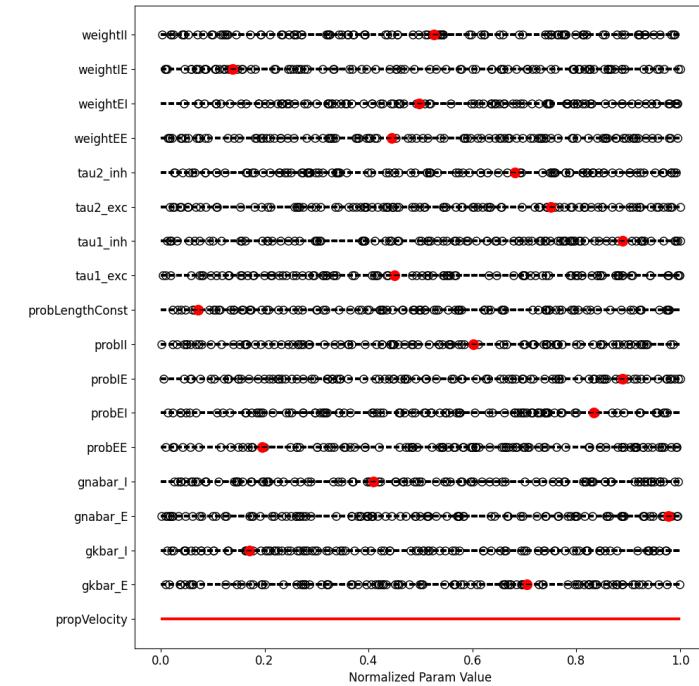
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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': 1.1090006849570209, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21097046413502107, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 17.849995663463794, 'Fit': 1000}
slopeFitness: {'Value': 0.005638201499183856, 'Fit': 1.0113402212853144}
thresh: {'Value': 16.96792562496275, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 73.05389221556887, 'Fit': 1000}
rate_fitness: {'Value': 29.6005291005291, 'Fit': 503.5569016983662}
maxFitness: 1000
average_fitness: 813.0710302399565
average_scaled_fitness: 812.8817900681174

```



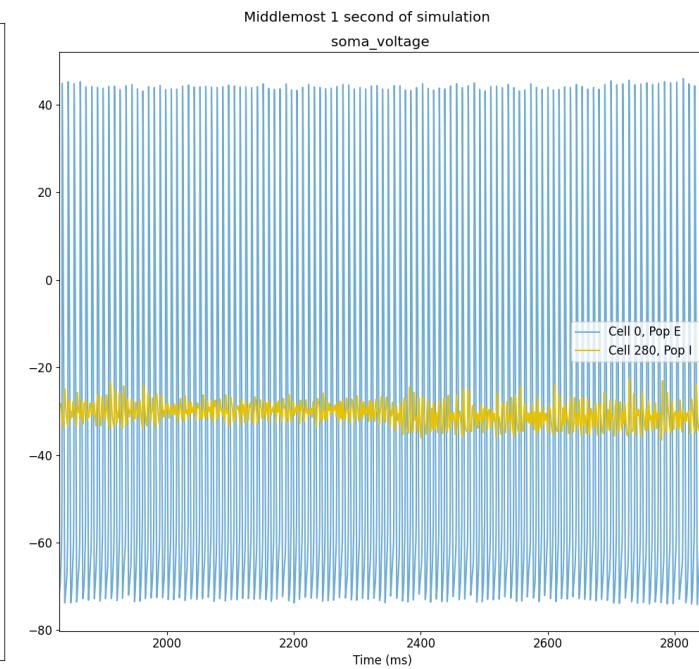
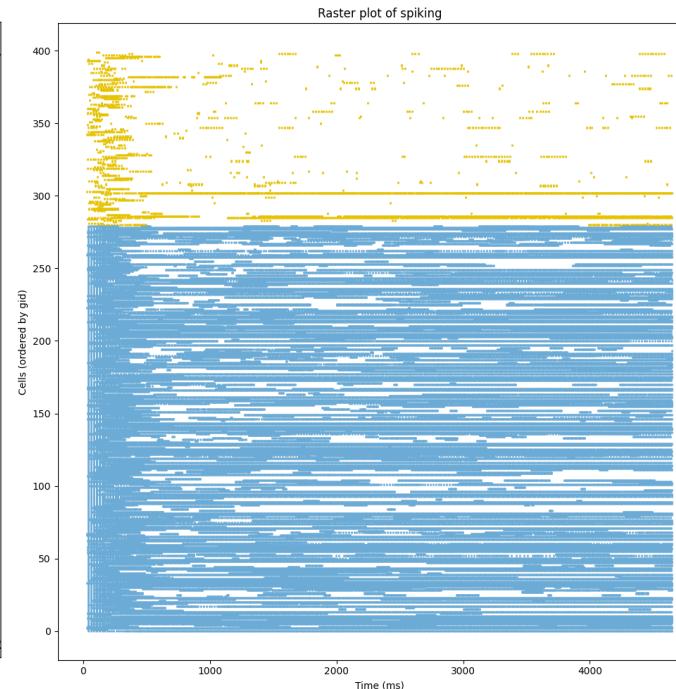
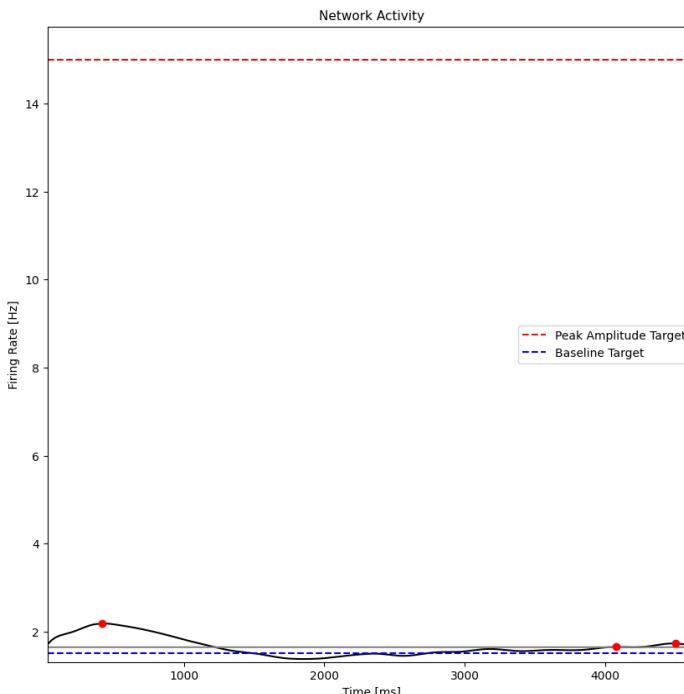
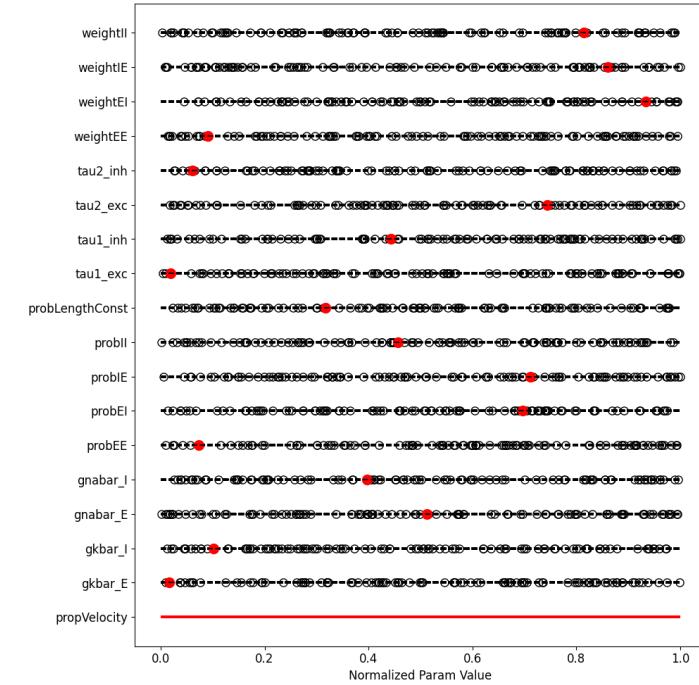
Data Directory: /NERSC/output/240426\_Run12\_26AprSAFE\_1x100/gen\_0/gen\_0\_cand\_85\_data.json

Generation: gen\_0

Generation Rank: 0/10

```
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': 0.20916969248367945, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.6451612903225806, 'Fit': 6.494578435006581}
IBI_fitness: {'Value': 2040.0, 'Fit': 2.5118773421082947}
baseline_fitness: {'Value': 1.6536395704530107, 'Fit': 1.1660705247565482}
slopeFitness: {'Value': -0.0023455248883670044, 'Fit': 1.0047020699761007}
thresh: {'Value': 1.6442559800107142, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 92.26190476190477, 'Fit': 4.700265740356516}
rate_fitness: {'Value': 8.428571428571429, 'Fit': 501.88109267749996}
maxFitness: 1000
average_fitness: 314.719823348713
average_scaled_fitness: 314.03062850122797
```



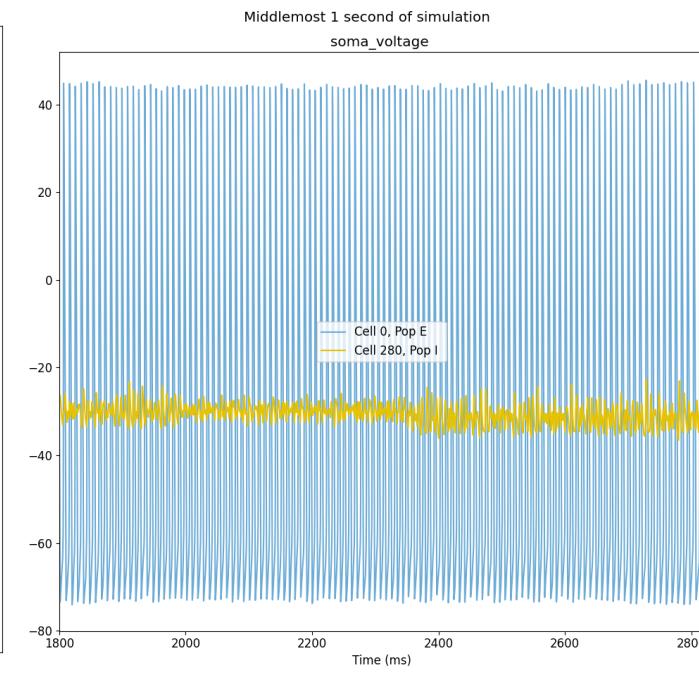
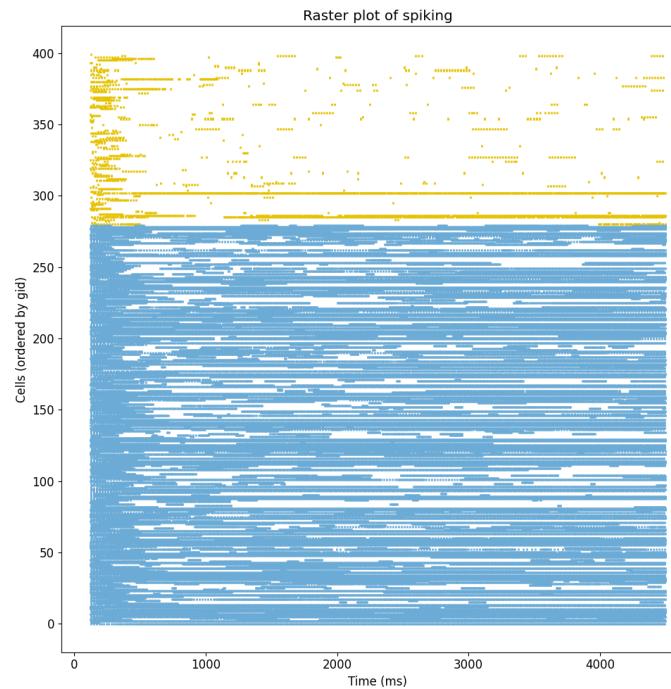
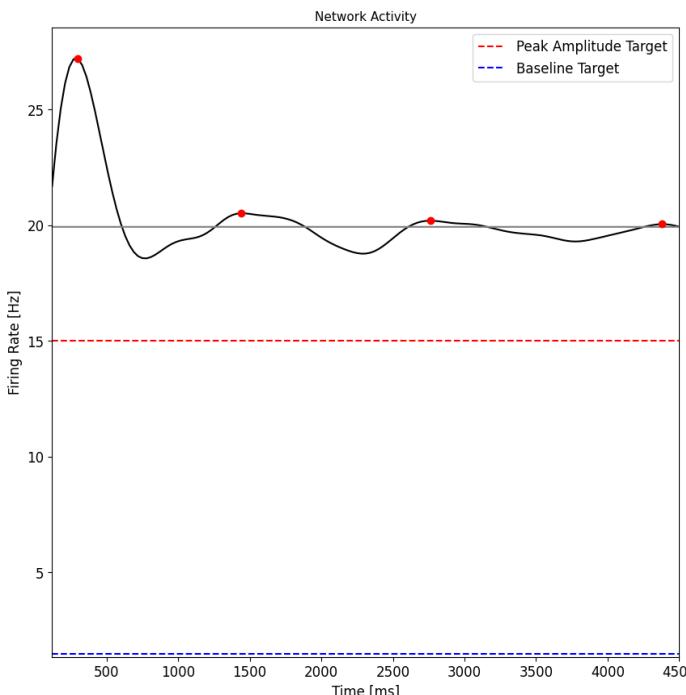
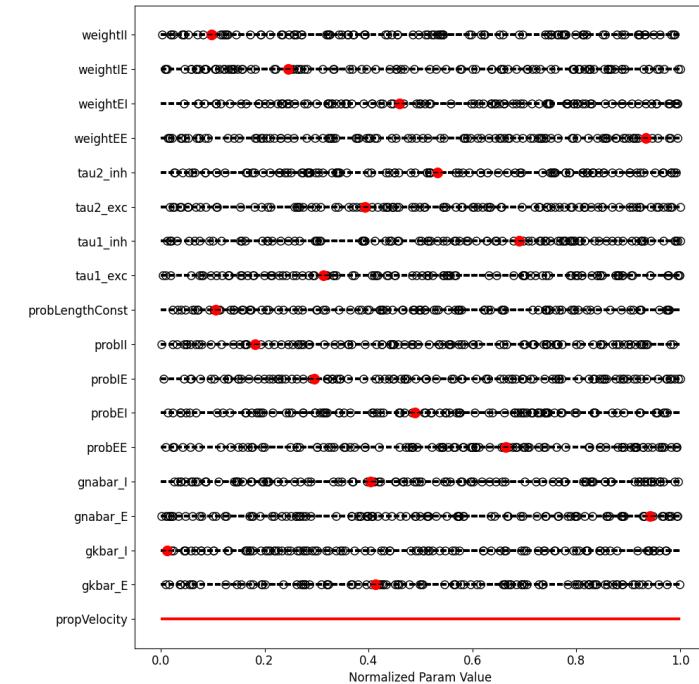
Data Directory: /NERSC/output/240426\_Run12\_26AprSAFE\_1x100/gen\_0/gen\_0\_cand\_99\_data.json

Generation: gen\_0

Generation Rank: 1/10

```
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': 2.057992065037433, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.8888888888888888, 'Fit': 28.03162489452614}
IBI_fitness: {'Value': 1360.0, 'Fit': 2.281530562547343}
baseline_fitness: {'Value': 20.19847193751008, 'Fit': 1000}
slopeFitness: {'Value': -0.018262542076620602, 'Fit': 1.037200320983235}
thresh: {'Value': 19.922466945539412, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 87.5, 'Fit': 12.182493960703473}
rate_fitness: {'Value': 43.36574074074074, 'Fit': 503.79507688916505}
maxFitness: 1000
average_fitness: 443.4159908284907
average_scaled_fitness: 442.8381023293871
```



```

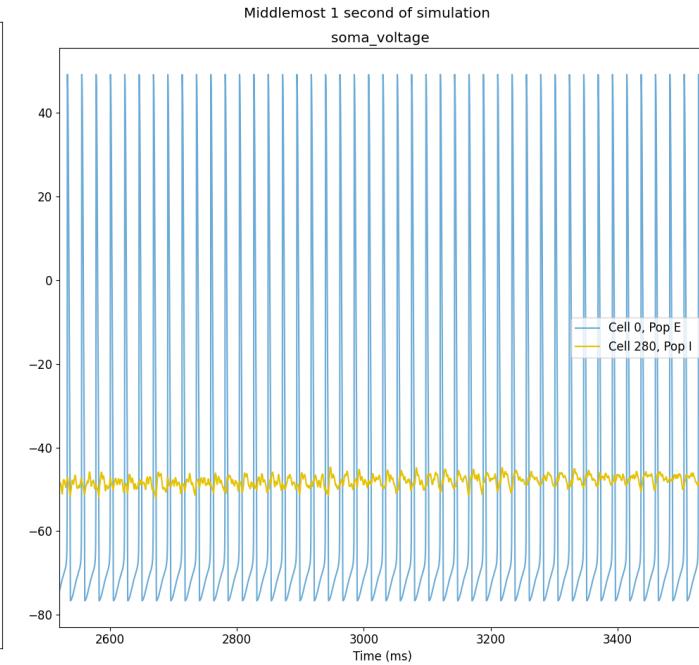
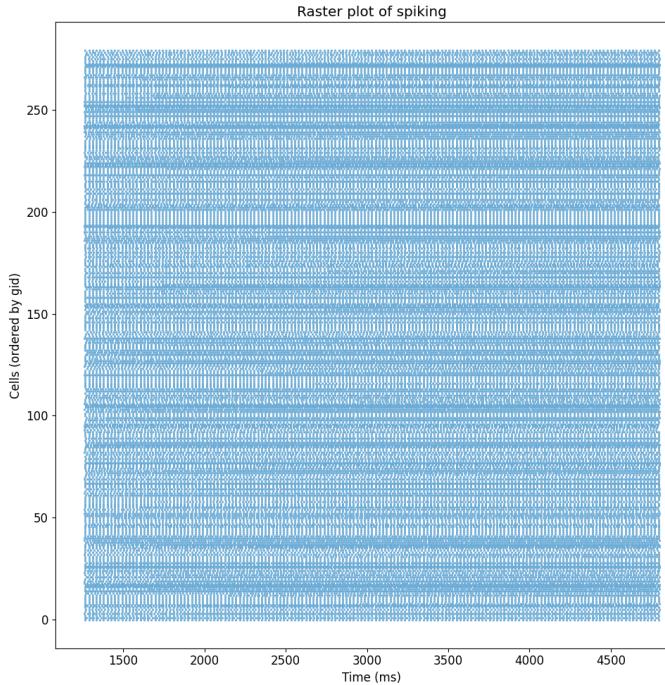
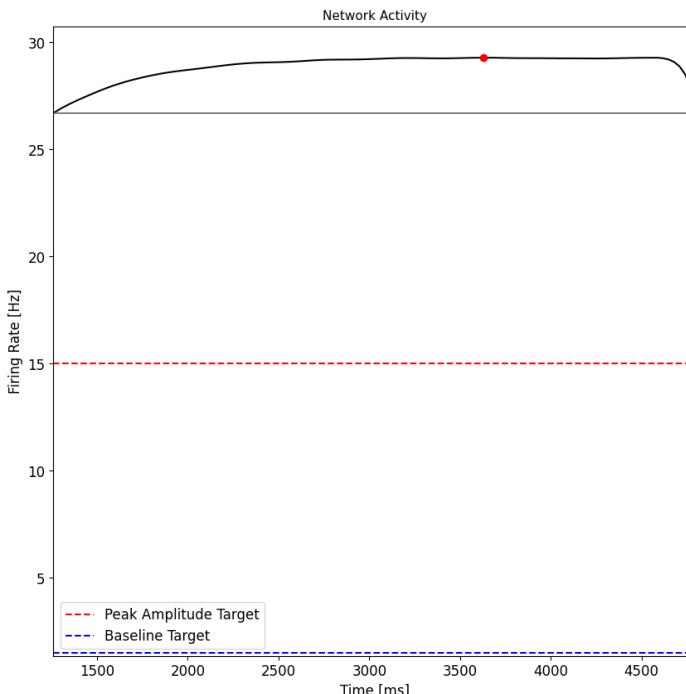
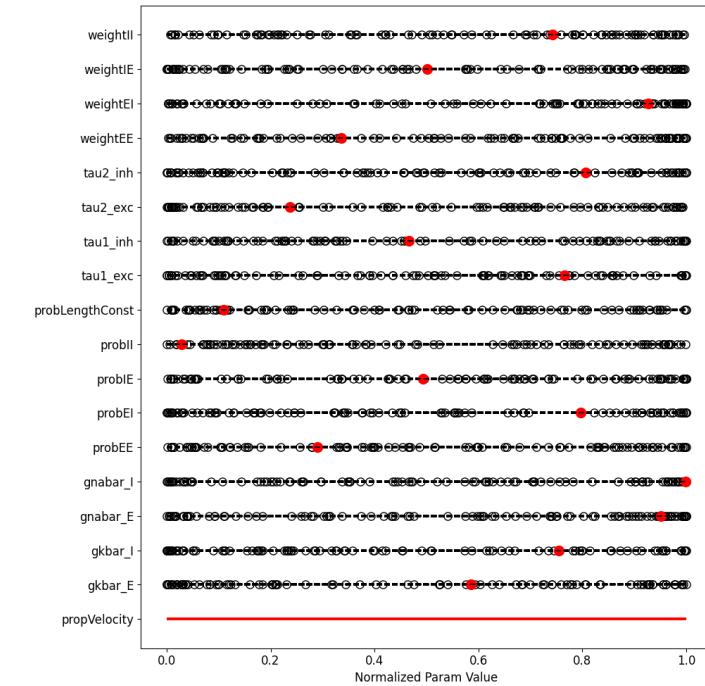
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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': 2.591689026452684, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.2083333333333334, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 28.87374740889194, 'Fit': 1000}
slopeFitness: {'Value': 0.011108695634663672, 'Fit': 1.022466035501148}
thresh: {'Value': 26.686620574699838, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 70.83333333333334, 'Fit': 1000}
rate_fitness: {'Value': 38.28835978835979, 'Fit': 503.0557895506754}
maxFitness: 1000
average_fitness: 813.0097819482721
average_scaled_fitness: 812.8183951148063

```

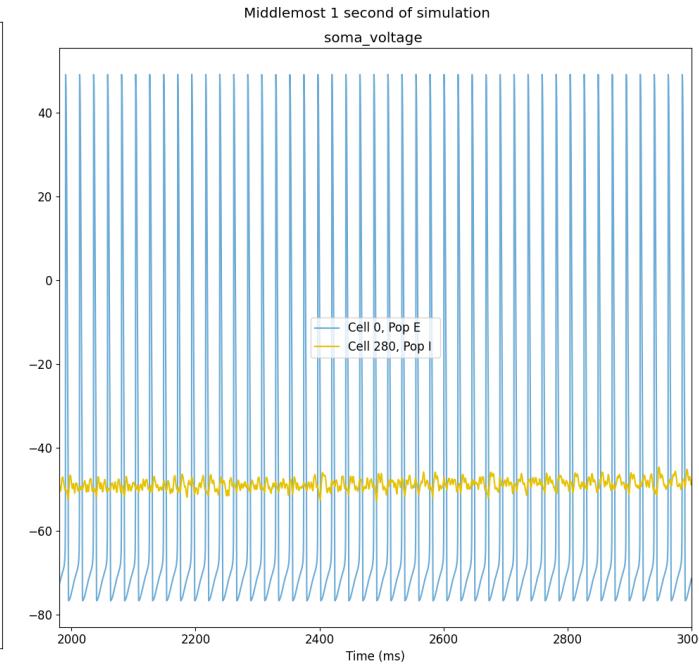
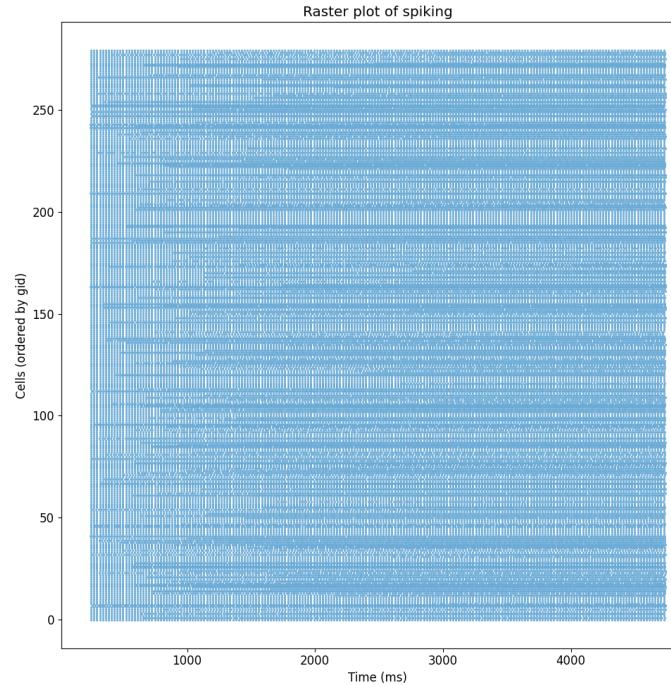
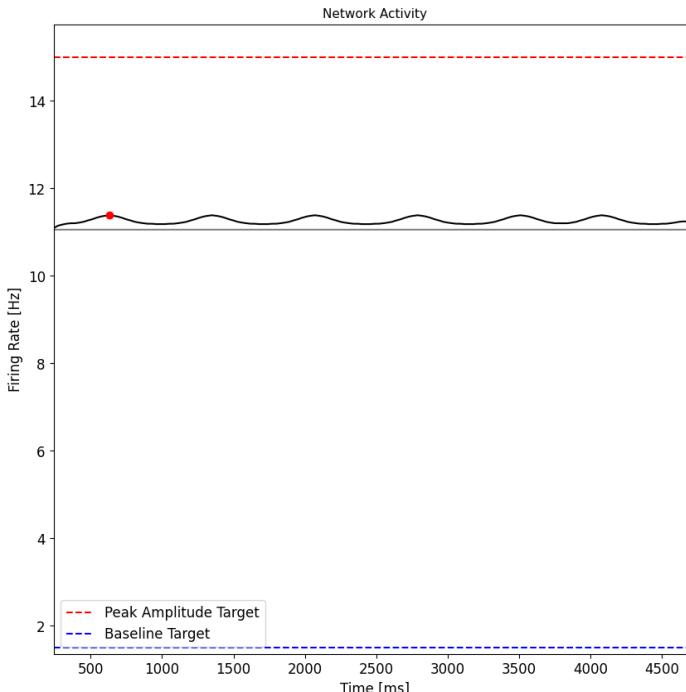
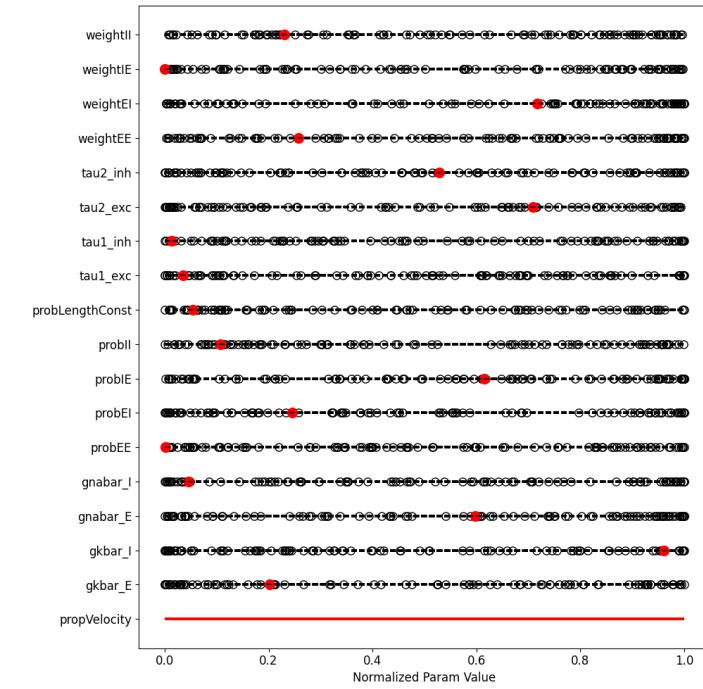


```

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': 0.32865798864719054, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21097046413502107, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 11.255328363505395, 'Fit': 1000}
slopeFitness: {'Value': -1.845484427262701e-05, 'Fit': 1.0000369103697162}
thresh: {'Value': 11.054814643735199, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 89.88095238095238, 'Fit': 7.567097131370448}
rate_fitness: {'Value': 20.555555555555554, 'Fit': 1000.0}
maxFitness: 1000
average_fitness: 751.0708917552174
average_scaled_fitness: 750.8217042622167

```



```

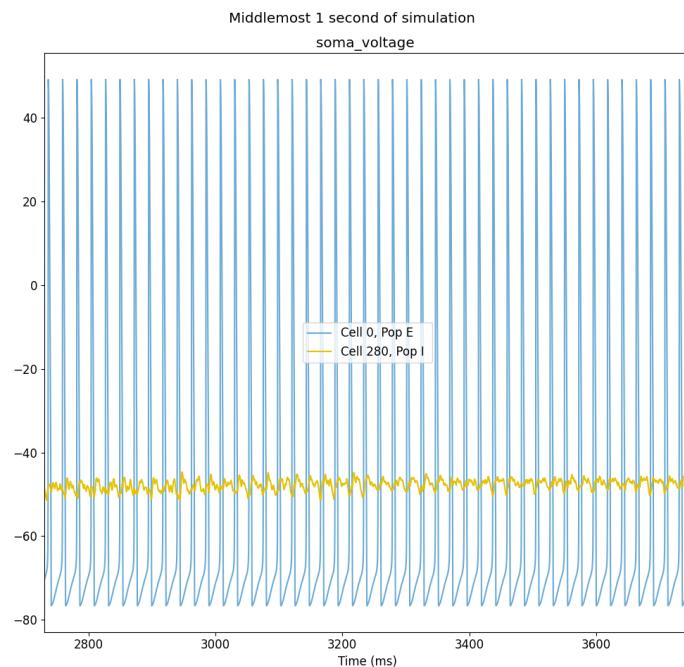
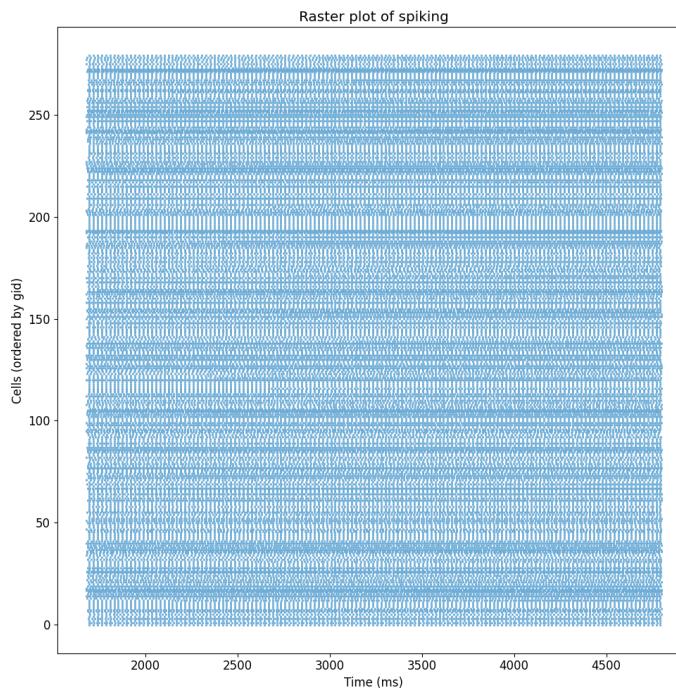
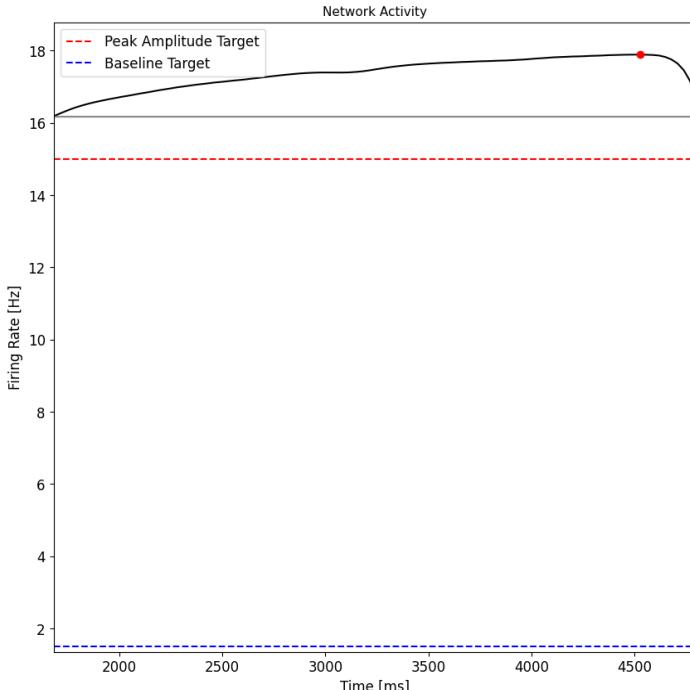
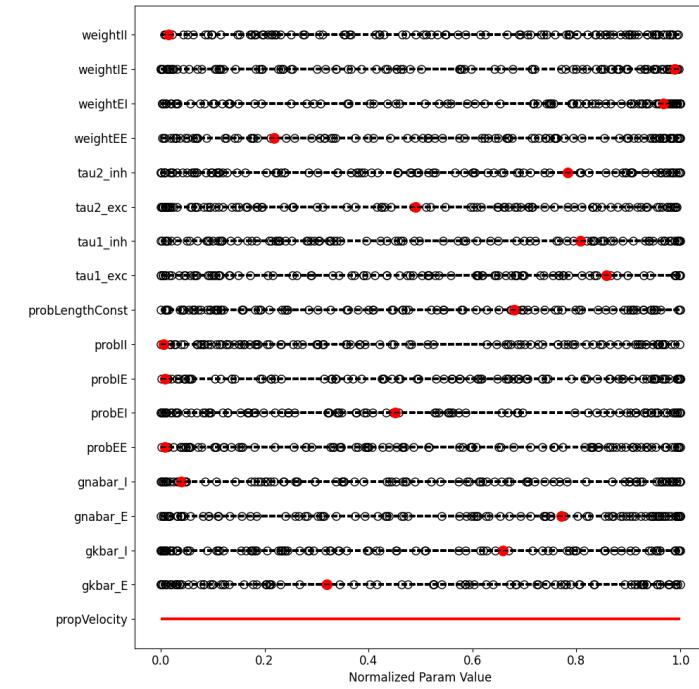
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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': 1.7192100580801366, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.2083333333333334, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 17.367831209940107, 'Fit': 1000}
slopeFitness: {'Value': 0.01279698709180899, 'Fit': 1.0259243121402293}
thresh: {'Value': 16.17094055202494, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 62.5, 'Fit': 1000}
rate_fitness: {'Value': 24.148809523809522, 'Fit': 1000.0}
maxFitness: 1000
average_fitness: 875.1282405390175
average_scaled_fitness: 875.0

```



```

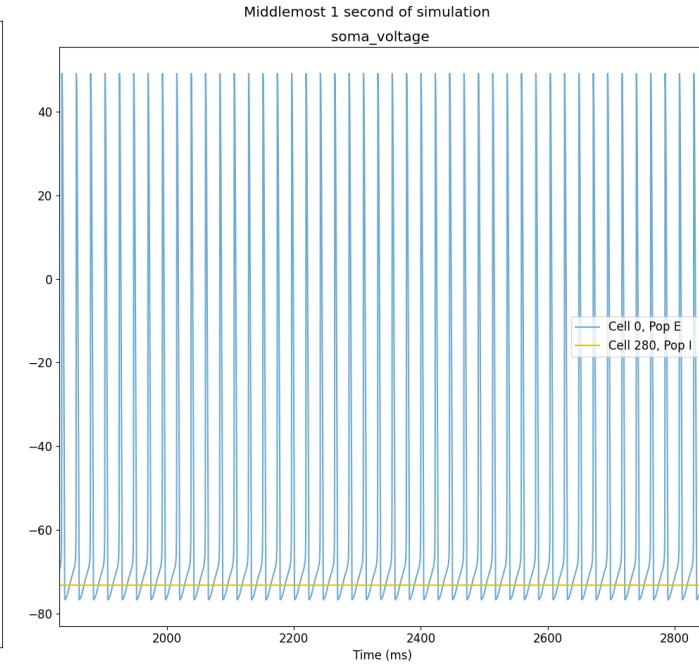
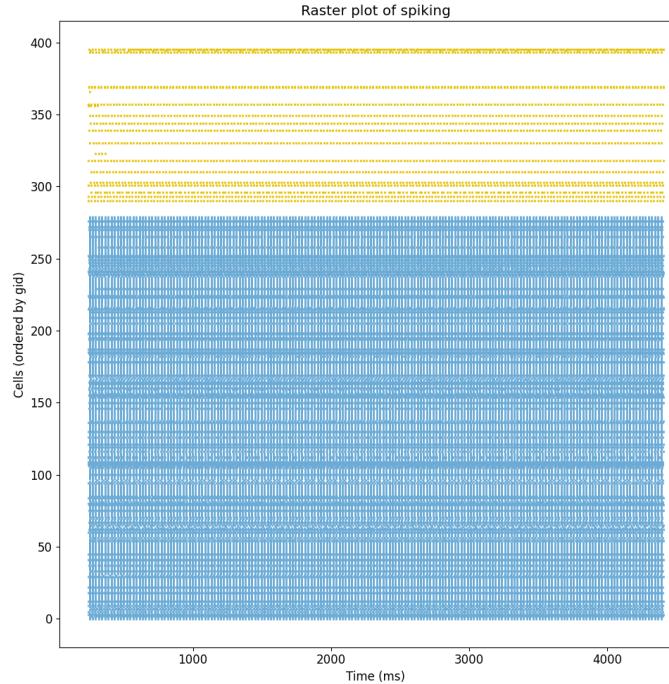
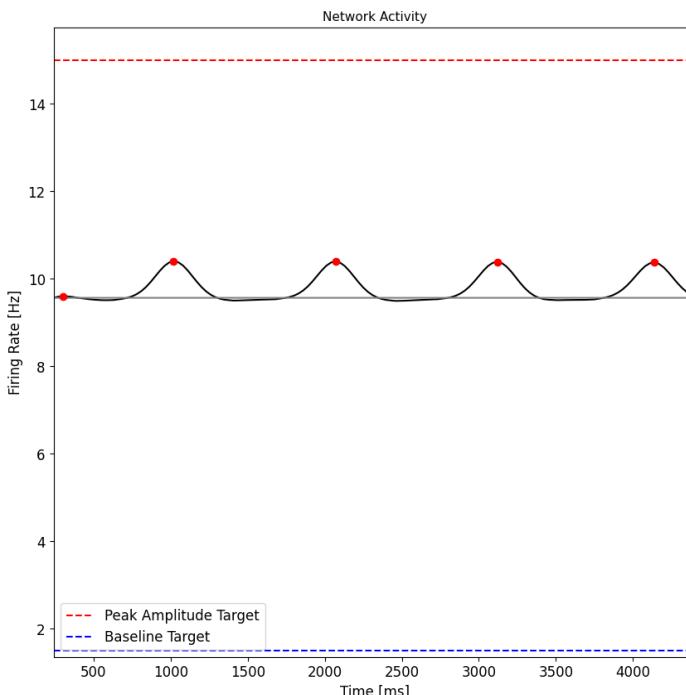
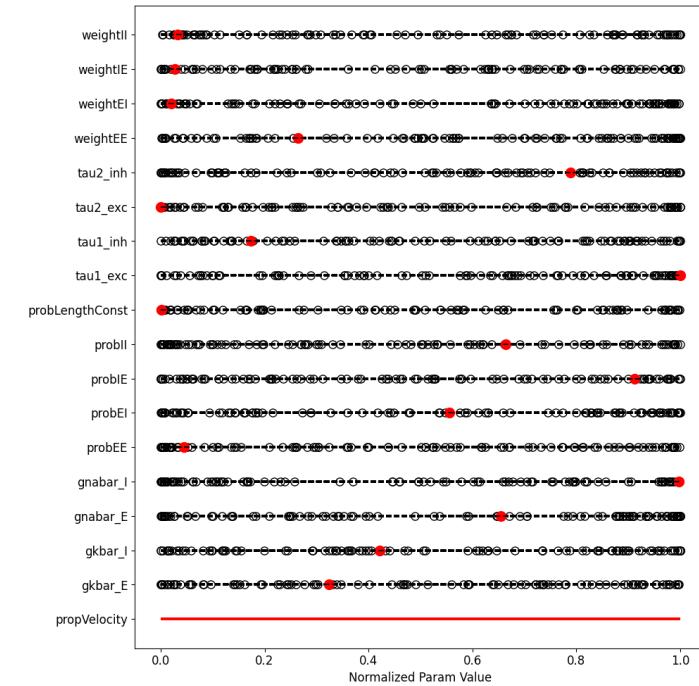
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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_oscil: {'target': 100, 'width': 5, 'min': 75}

```

```

burstAmp_Fitness: {'Value': 0.666497131130771, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 1.1337868480725624, 'Fit': 121.84150837007405}
IBI_fitness: {'Value': 960.0, 'Fit': 2.7800843148751575}
baseline_fitness: {'Value': 9.772705816381801, 'Fit': 1000}
slopeFitness: {'Value': 0.001143981005884316, 'Fit': 1.0022905813941538}
thresh: {'Value': 9.564443065875185, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 83.33333333333334, 'Fit': 28.031624894526075}
rate_fitness: {'Value': 18.660714285714285, 'Fit': 506.92148676660423}
maxFitness: 1000
average_fitness: 457.57212436593414
average_scaled_fitness: 457.0279085527167

```



```

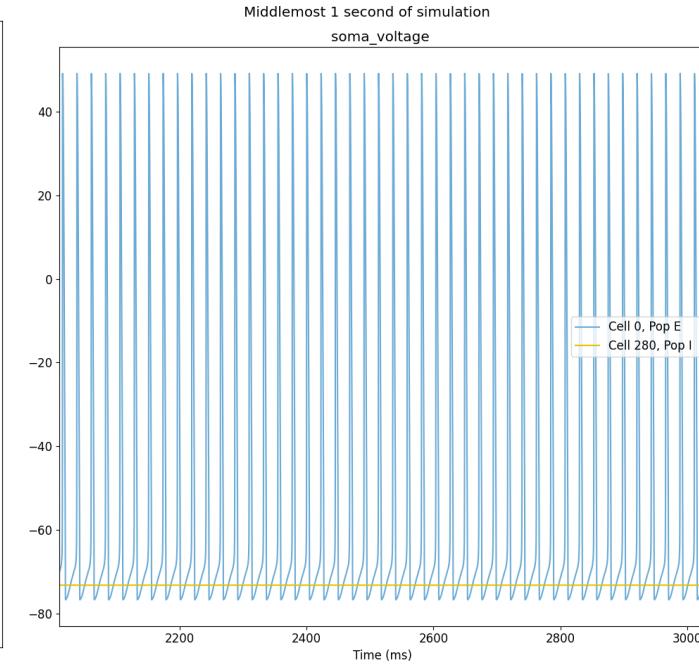
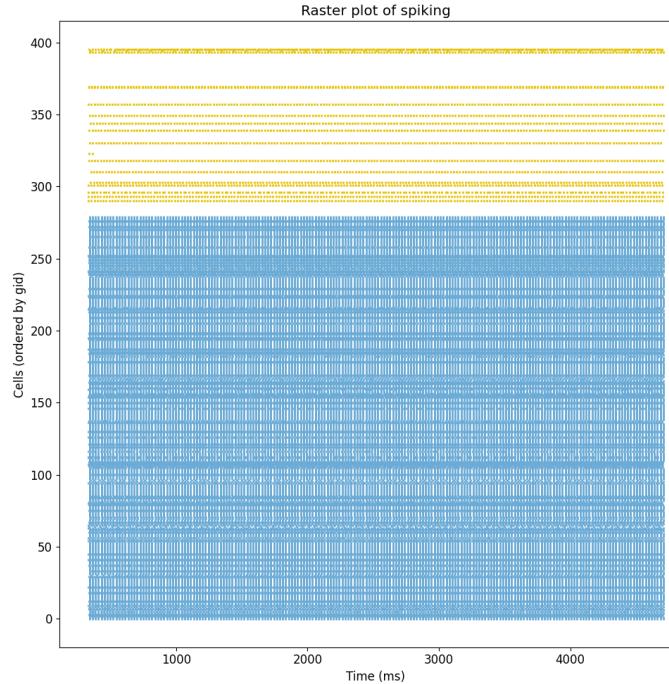
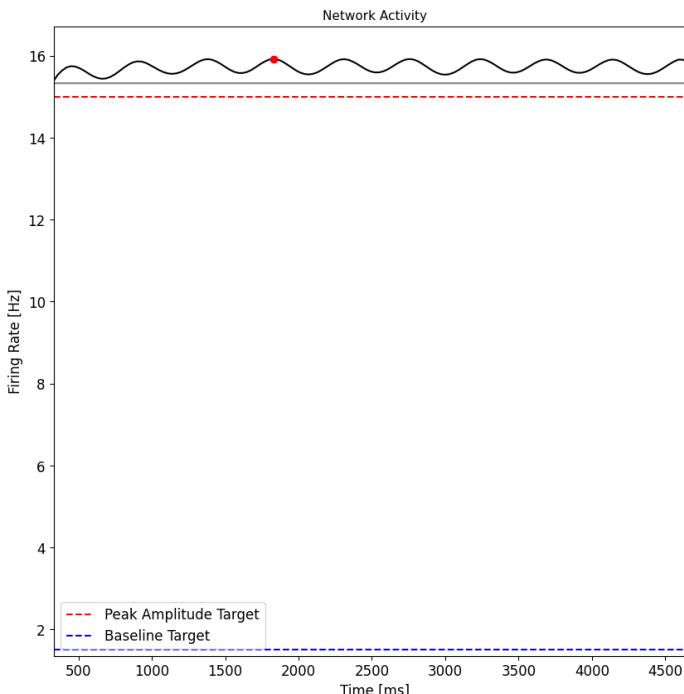
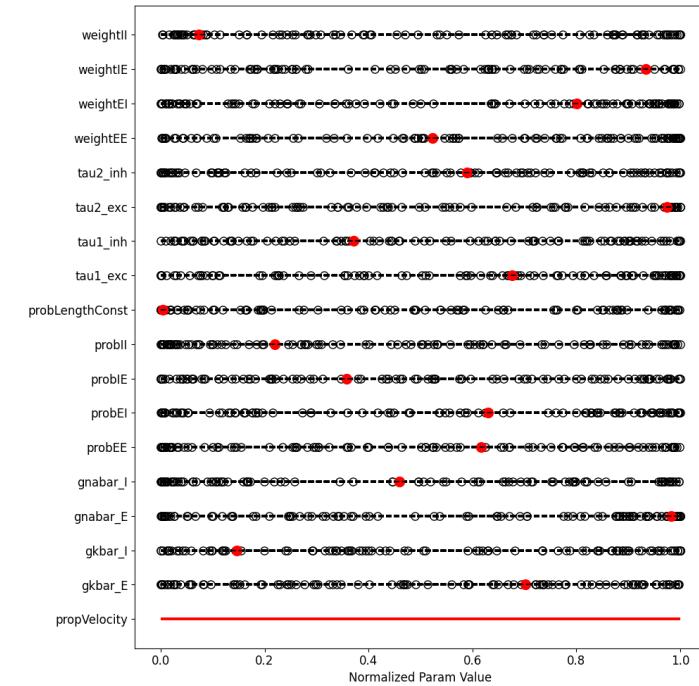
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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': 0.5926475004156213, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21231422505307856, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 15.721273639668157, 'Fit': 1000}
slopeFitness: {'Value': 0.000630397792926163, 'Fit': 1.0012615907227402}
thresh: {'Value': 15.331994138186564, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 87.5, 'Fit': 12.182493960703473}
rate_fitness: {'Value': 30.007275132275133, 'Fit': 504.41742312703366}
maxFitness: 1000
average_fitness: 689.7001473348074
average_scaled_fitness: 689.3891446156496

```



```

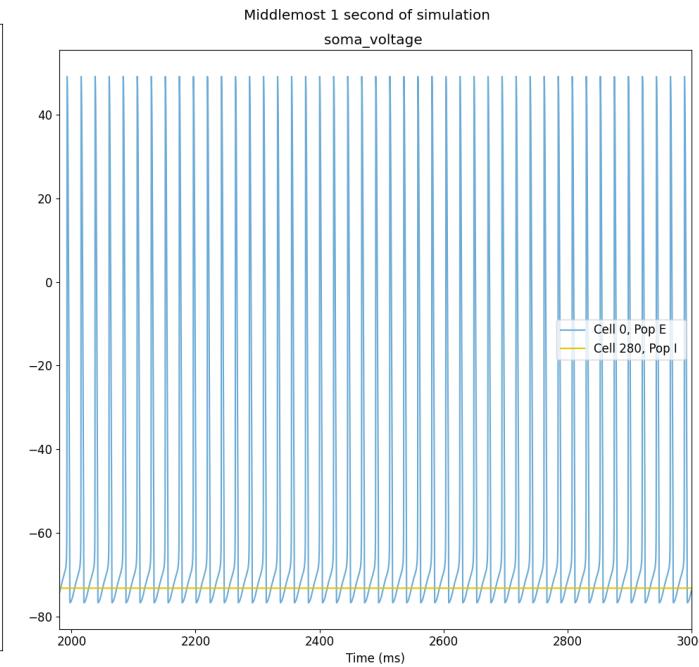
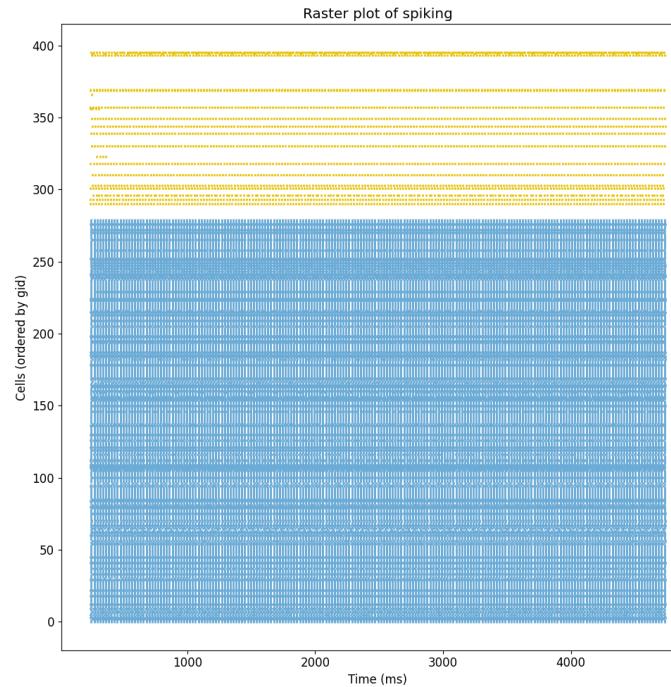
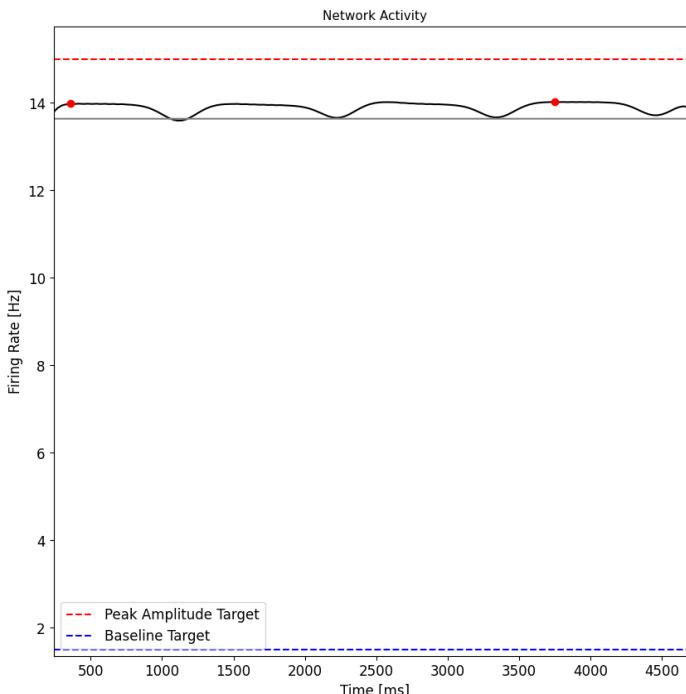
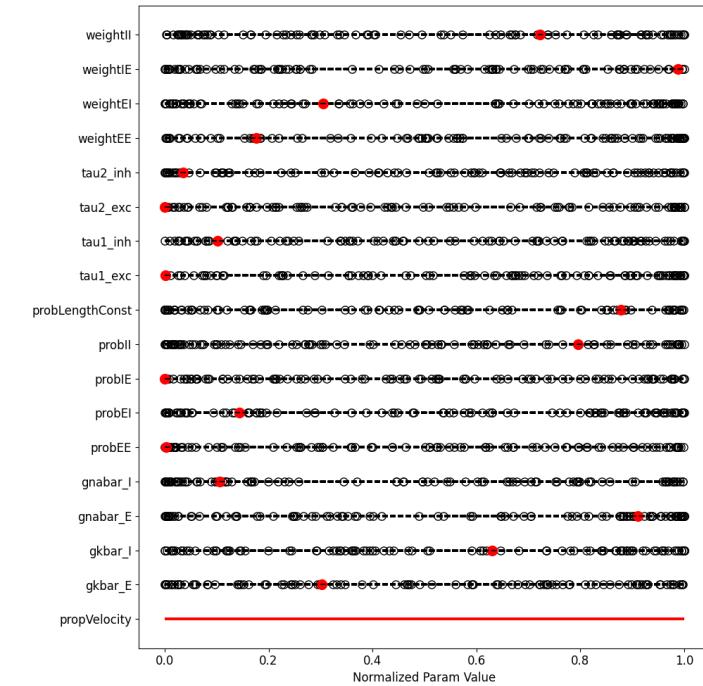
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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': 0.3647963875417899, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.42194092827004215, 'Fit': 1.7017303215436181}
IBI_fitness: {'Value': 3390.0, 'Fit': 1.2153109864897307}
baseline_fitness: {'Value': 13.893939342058387, 'Fit': 1000}
slopeFitness: {'Value': 4.7241857921333405e-05, 'Fit': 1.0000944881795695}
thresh: {'Value': 13.636666228394382, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 89.88095238095238, 'Fit': 7.567097131370448}
rate_fitness: {'Value': 25.009920634920636, 'Fit': 1000.0}
maxFitness: 1000
average_fitness: 501.4355291159479
average_scaled_fitness: 500.9364183787173

```



```

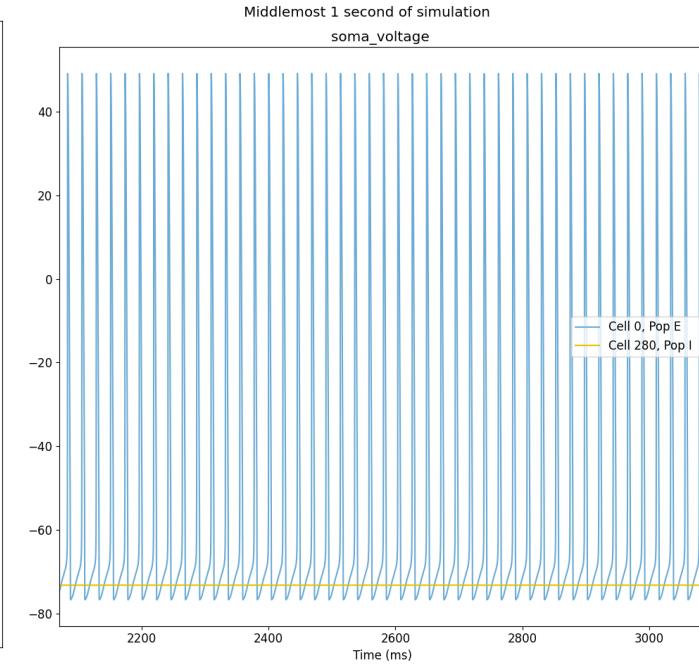
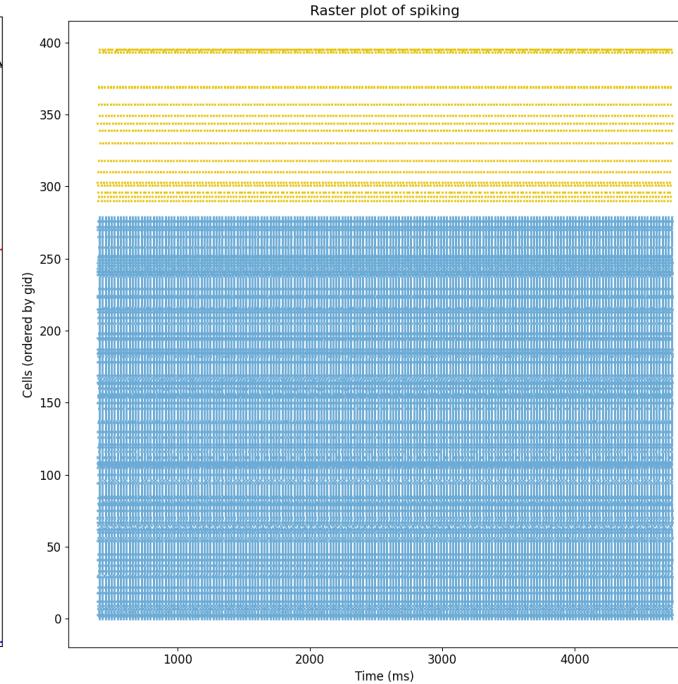
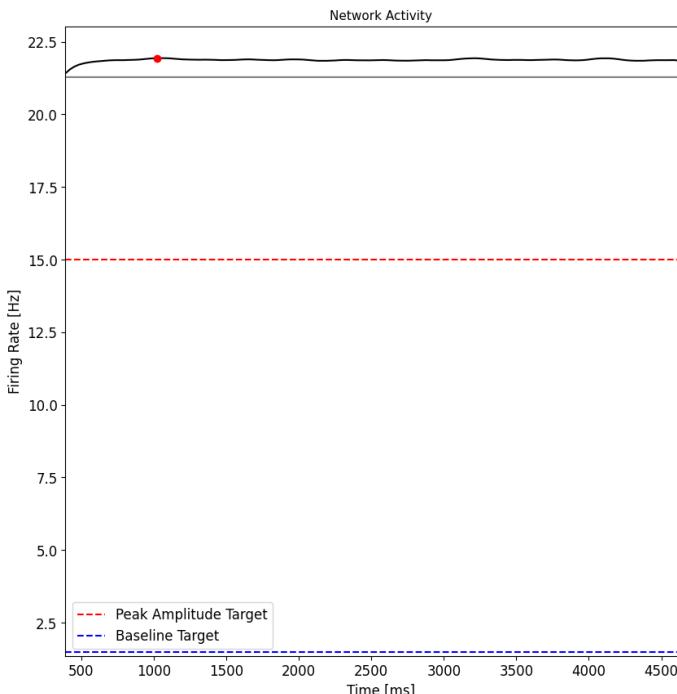
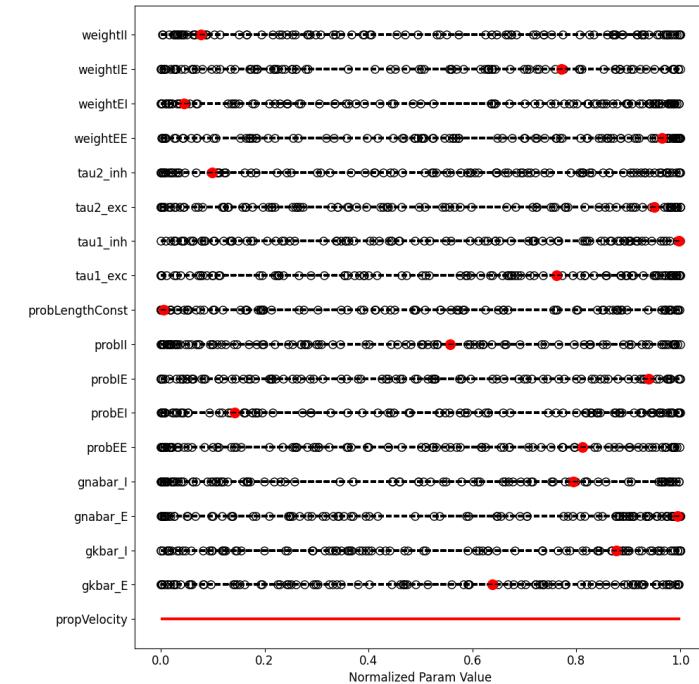
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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': 0.653942246313683, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21097046413502107, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 21.86156326053657, 'Fit': 1000}
slopeFitness: {'Value': 7.578288511920906e-05, 'Fit': 1.00015157725691}
thresh: {'Value': 21.28354216312257, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 86.90476190476191, 'Fit': 13.722648170944307}
rate_fitness: {'Value': 38.07738095238095, 'Fit': 1000.0}
maxFitness: 1000
average_fitness: 751.8403499685251
average_scaled_fitness: 751.5919042197271

```



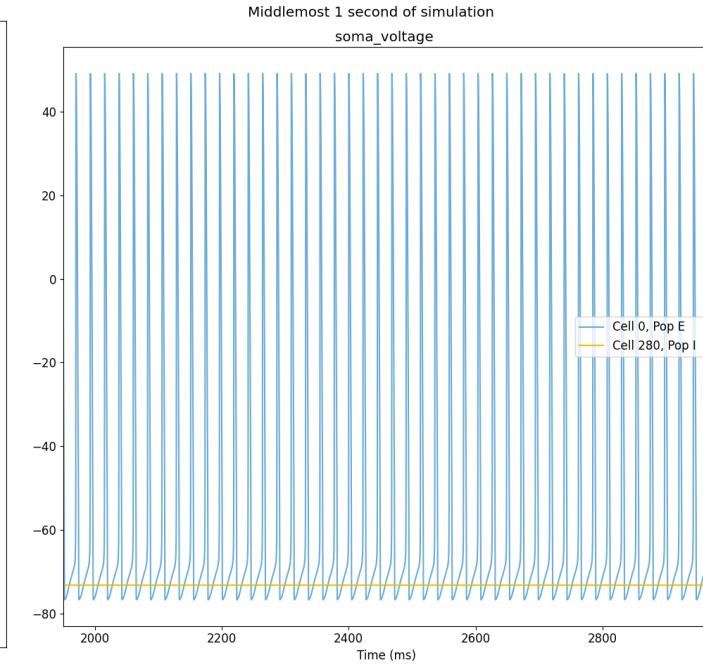
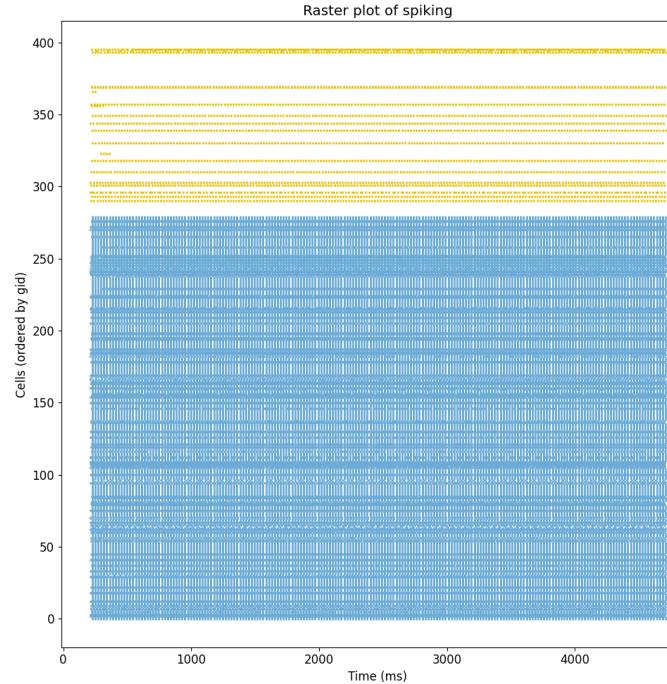
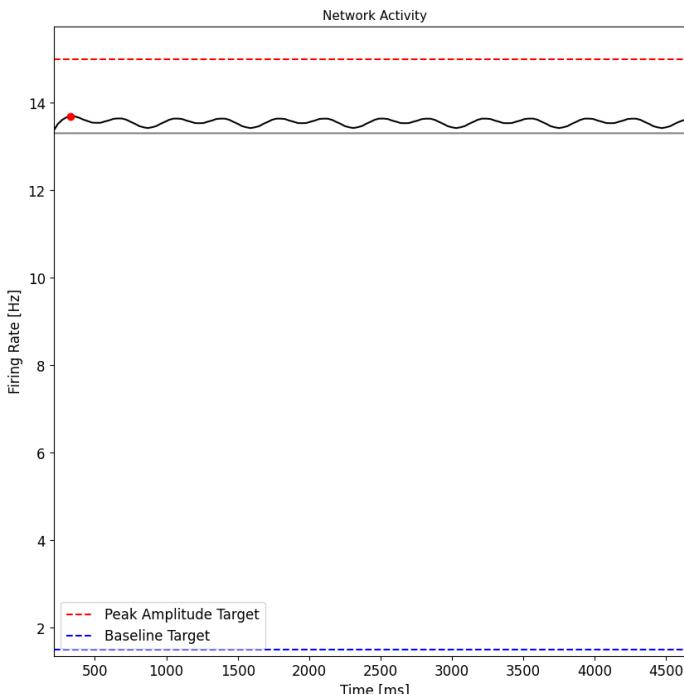
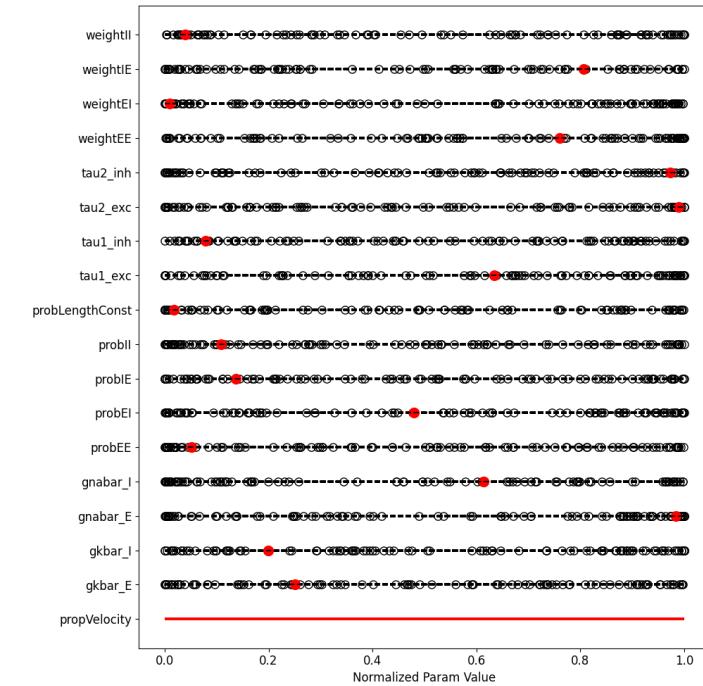
Data Directory: /NERSC/output/240426\_Run12\_26AprSAFE\_1x100/gen\_13/gen\_13\_cand\_5\_data.json

Generation: gen\_13

Generation Rank: 7/10

```
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': 0.39009010417493784, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21231422505307856, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 13.558175257200851, 'Fit': 1000}
slopeFitness: {'Value': -0.0001818399233172819, 'Fit': 1.0003637459861676}
thresh: {'Value': 13.305190150695283, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 89.88095238095238, 'Fit': 7.567097131370448}
rate_fitness: {'Value': 24.48148148148148, 'Fit': 1000.0}
maxFitness: 1000
average_fitness: 751.0709326096696
average_scaled_fitness: 750.8216636356856
```



```

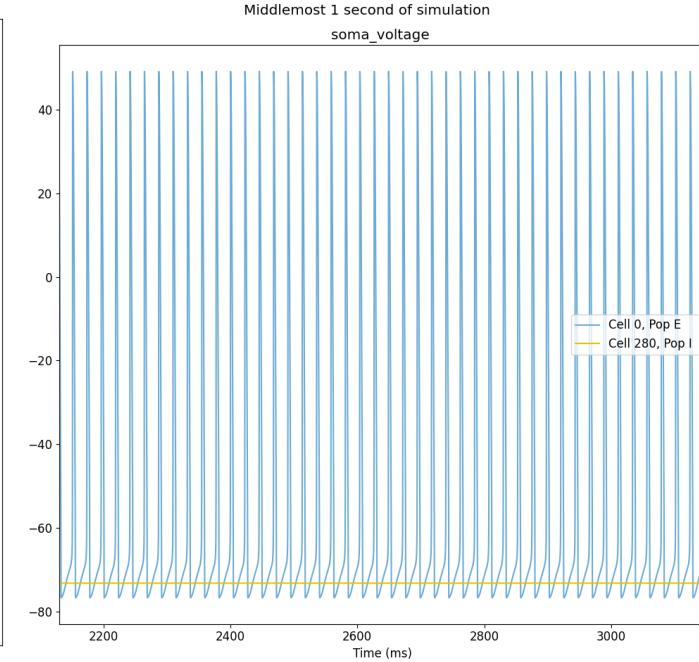
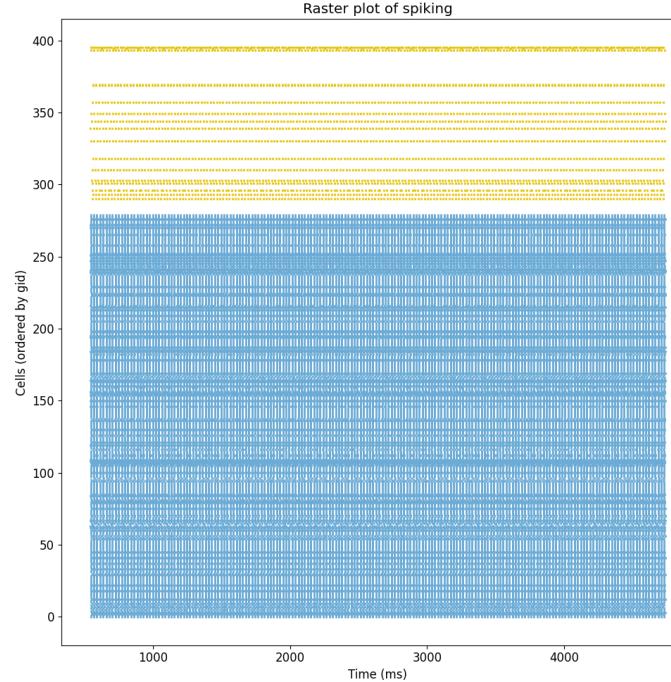
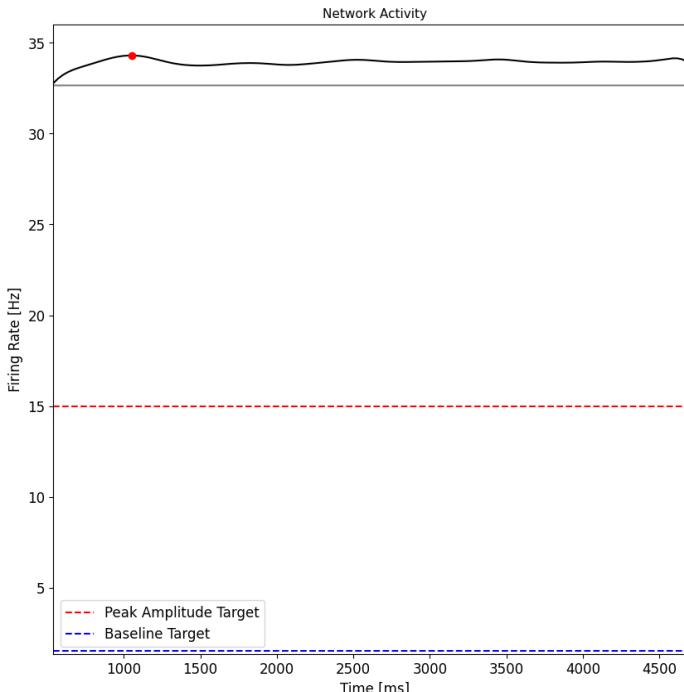
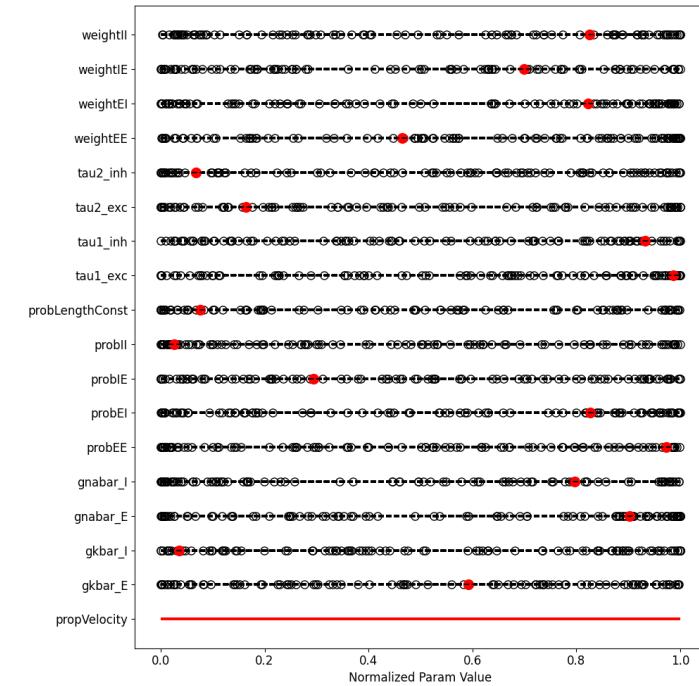
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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': 1.6488083612581832, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21097046413502107, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 33.92130138655939, 'Fit': 1000}
slopeFitness: {'Value': 0.0012821554920632414, 'Fit': 1.0025676016416933}
thresh: {'Value': 32.65357977191913, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 83.92857142857143, 'Fit': 24.88551019688277}
rate_fitness: {'Value': 58.90277777777777, 'Fit': 502.1080043796904}
maxFitness: 1000
average_fitness: 690.9995102722768
average_scaled_fitness: 690.689405491378

```



```

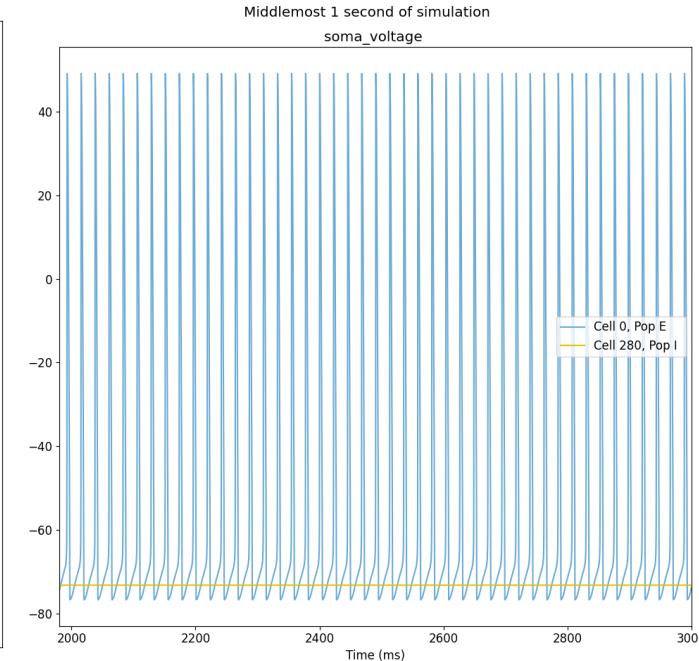
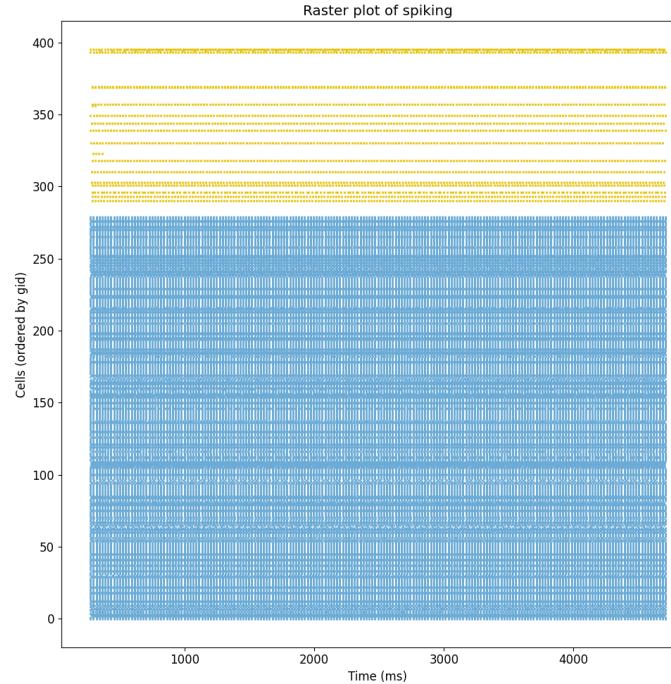
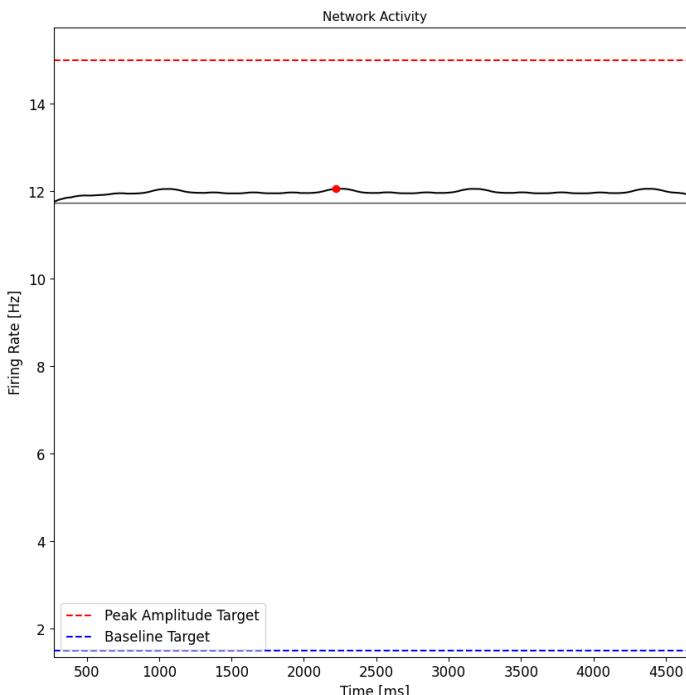
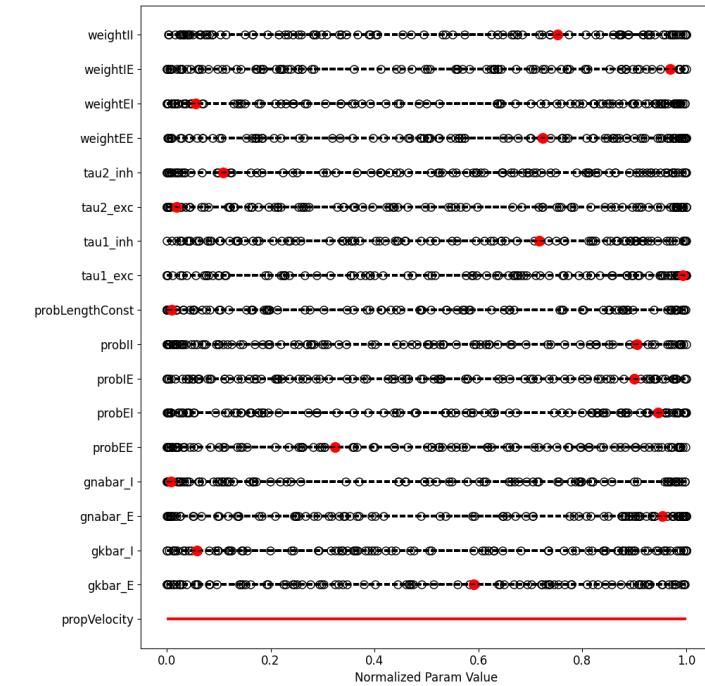
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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_oscil: {'target': 100, 'width': 5, 'min': 75}

```

```

burstAmp_Fitness: {'Value': 0.33123100359938995, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21231422505307856, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 11.970201975265534, 'Fit': 1000}
slopeFitness: {'Value': 0.00032641546674917185, 'Fit': 1.0006530440739914}
thresh: {'Value': 11.726434526907248, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 88.69047619047619, 'Fit': 9.601360065270807}
rate_fitness: {'Value': 21.386904761904763, 'Fit': 1000.0}
maxFitness: 1000
average_fitness: 751.3252516386681
average_scaled_fitness: 751.0761652456786

```



```

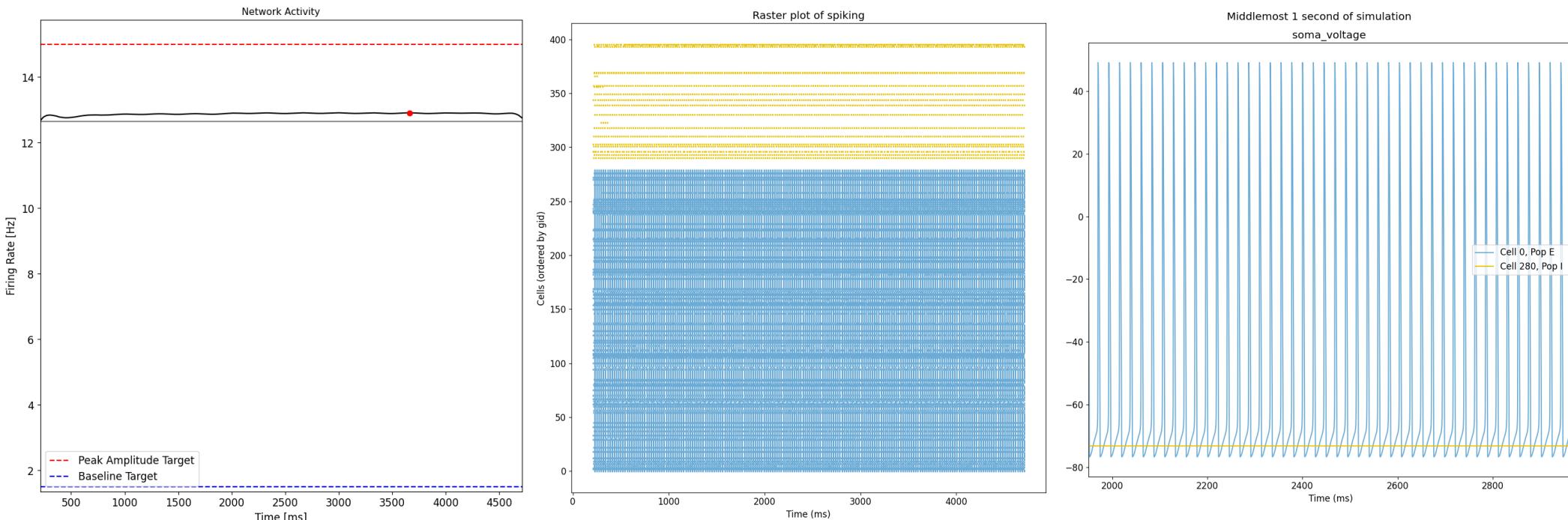
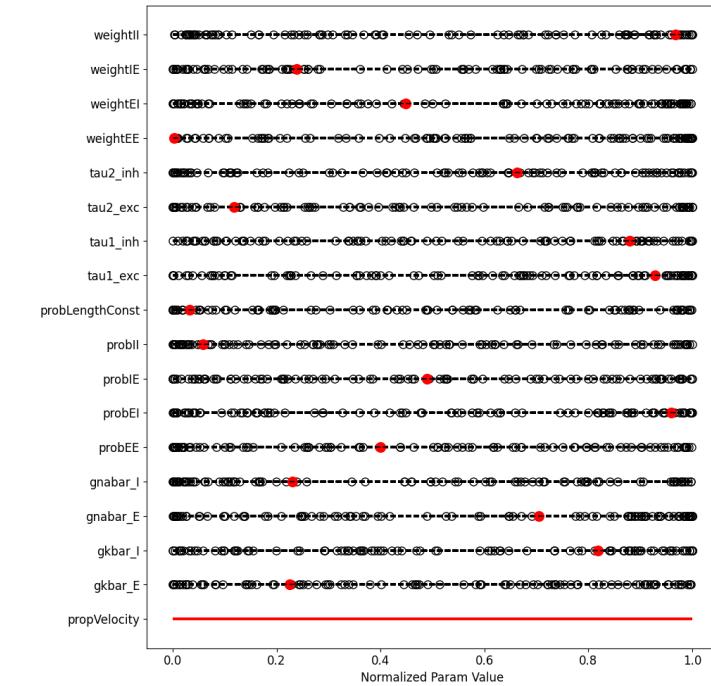
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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_oscil: {'target': 100, 'width': 5, 'min': 75}

```

```

burstAmp_Fitness: {'Value': 0.26589469815716527, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21231422505307856, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 12.874905871900696, 'Fit': 1000}
slopeFitness: {'Value': 0.0005359641034930684, 'Fit': 1.0010725029273613}
thresh: {'Value': 12.644414071156618, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 89.88095238095238, 'Fit': 7.567097131370448}
rate_fitness: {'Value': 23.166666666666664, 'Fit': 1000.0}
maxFitness: 1000
average_fitness: 751.0710212042873
average_scaled_fitness: 750.8215755352328

```



```

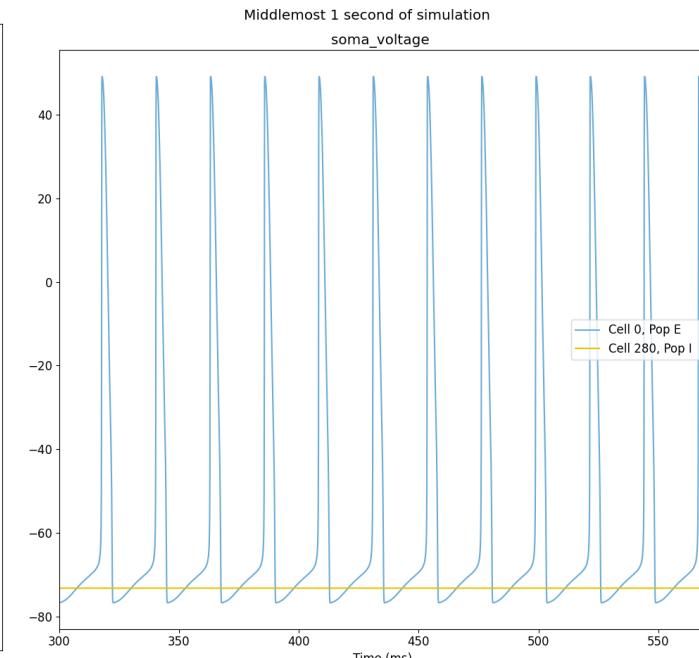
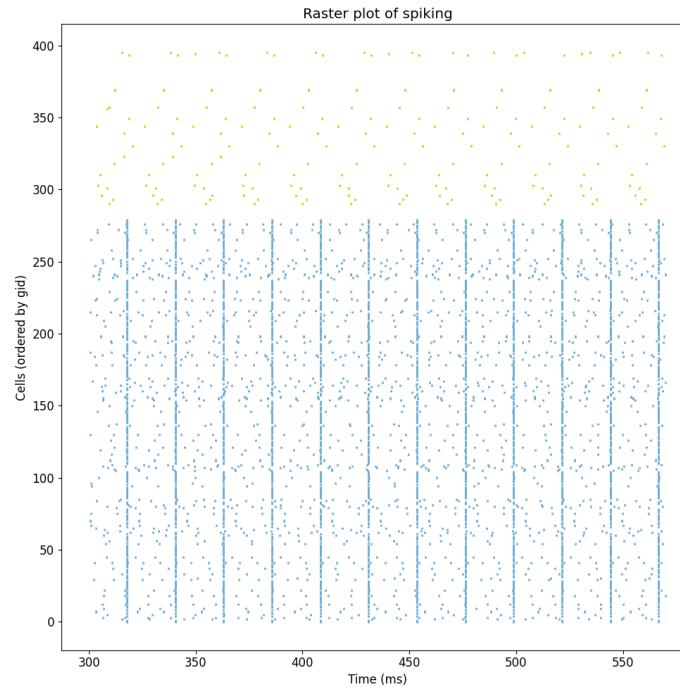
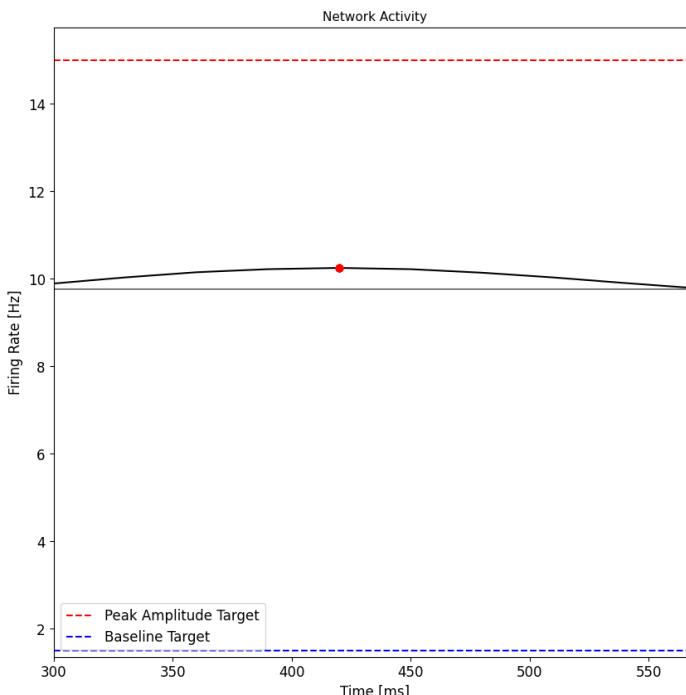
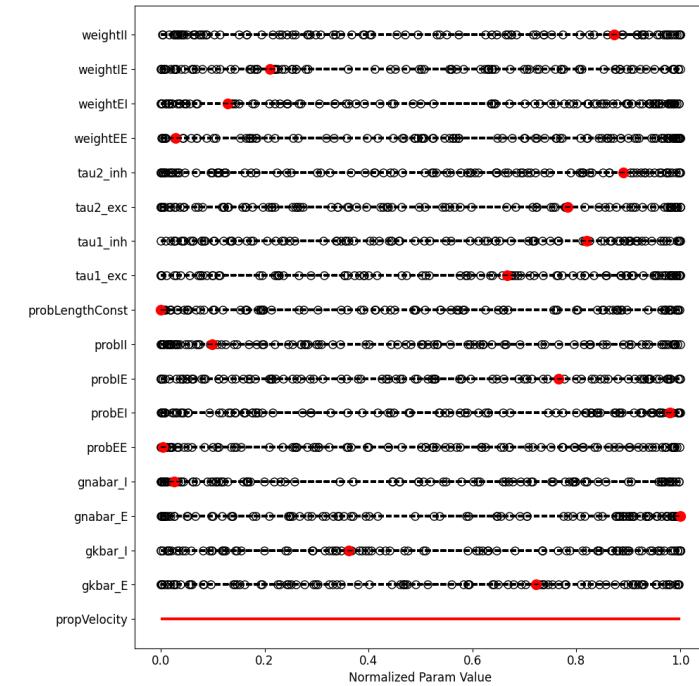
rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 1.5, 'width': 1, 'max': 3}
rate_slope: {'target': 0, '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': 0.4792612536293053, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 17.54385964912281, 'Fit': 1000}
IBI_fitness: {'Value': 0.0, 'Fit': 4.4816890703380645}
baseline_fitness: {'Value': 10.061390763980548, 'Fit': 1000}
slopeFitness: {'Value': -0.016489342478666, 'Fit': 1.0335285093022475}
thresh: {'Value': 9.768795727676931, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 5.9880239520958085, 'Fit': 1000}
rate_fitness: {'Value': 17.777777777777778, 'Fit': 1000.0}
maxFitness: 1000
average_fitness: 750.689402197455
average_scaled_fitness: 750.4314660025439

```



```

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': 0.4022621491080649, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.21097046413502107, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 15.961539425120012, 'Fit': 1000}
slopeFitness: {'Value': 5.358962902283106e-05, 'Fit': 1.0001071850019476}
thresh: {'Value': 15.62630811192825, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 89.28571428571429, 'Fit': 8.523756461042588}
rate_fitness: {'Value': 30.154761904761905, 'Fit': 505.5886720920429}
maxFitness: 1000
average_fitness: 689.3890669672609
average_scaled_fitness: 689.0781117528506

```

