

```

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}

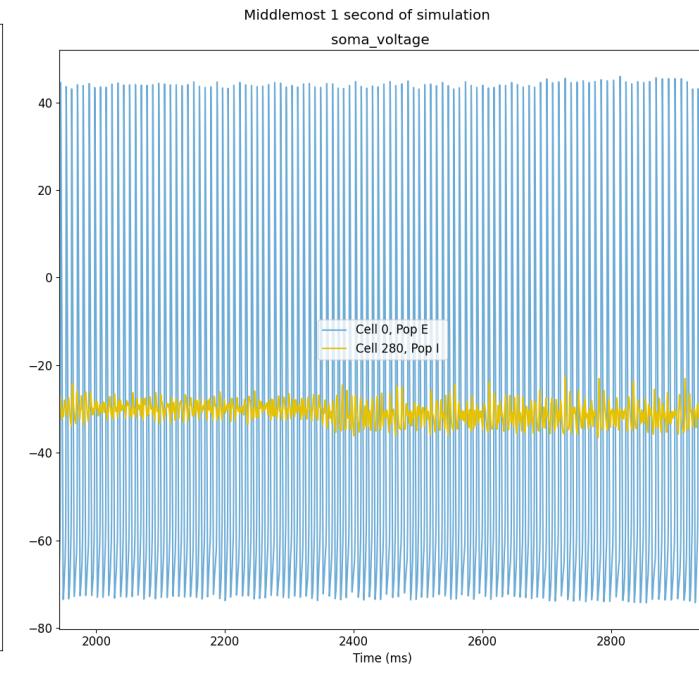
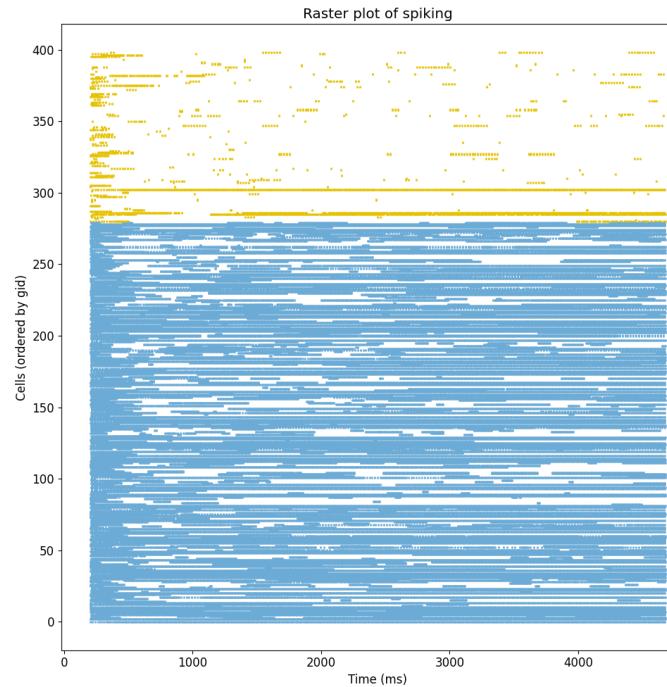
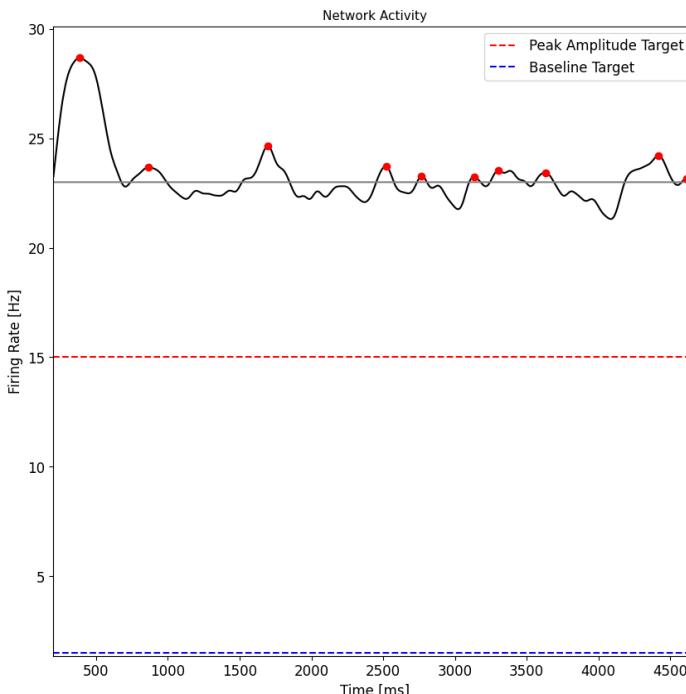
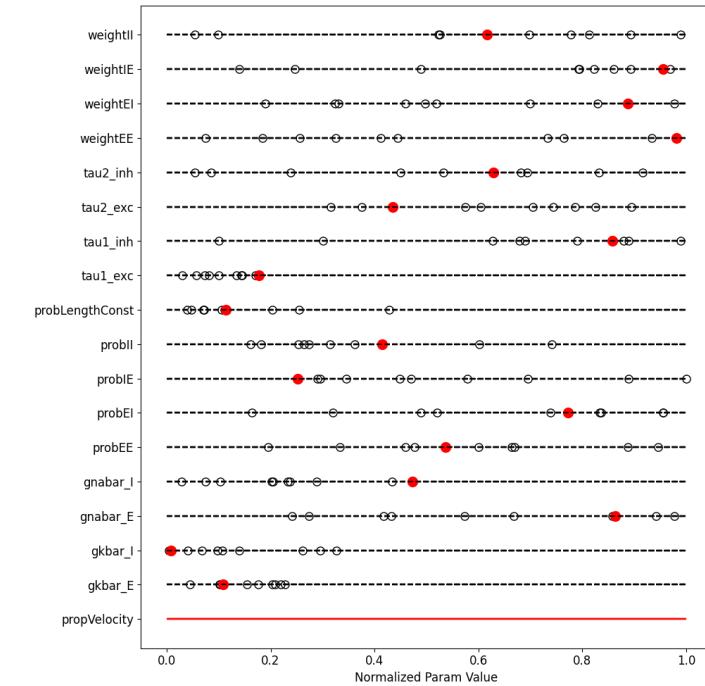
```

```

burstAmp_Fitness: {'Value': 1.1612944694112408, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 2.1367521367521367, 'Fit': 1000}
IBI_fitness: {'Value': 470.0, 'Fit': 3.5725092776810285}
baseline_fitness: {'Value': 23.277926460904744, 'Fit': 1000}
slopeFitness: {'Value': -0.003596031100731402, 'Fit': 1.007217987213757}
thresh: {'Value': 22.994294641264336, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 89.52095808383234, 'Fit': 8.13201209609415}
E_rate_fitness: {'Value': 86.87301587301587, 'Fit': 1000}
I_rate_fitness: {'Value': 3.2777777777777777, 'Fit': 14.472093693901481}
maxFitness: 1000
average_fitness: 558.5759814505433
average_scaled_fitness: 558.1309229681633

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



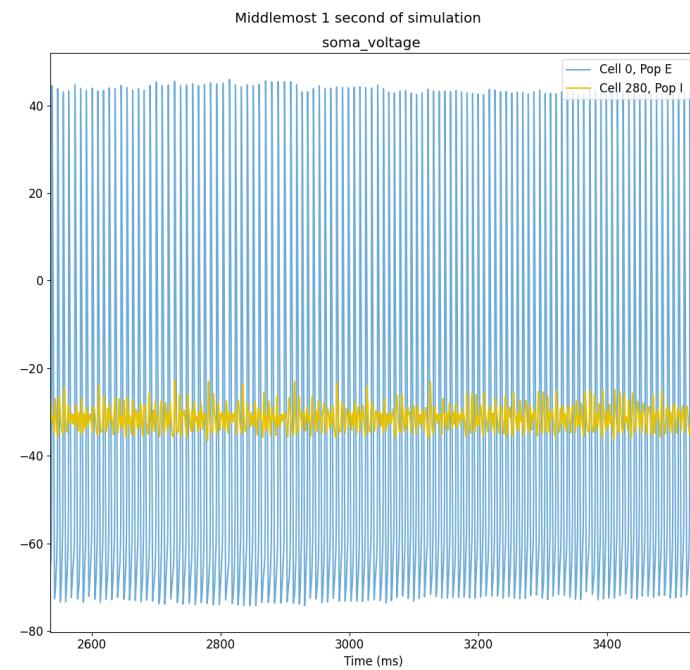
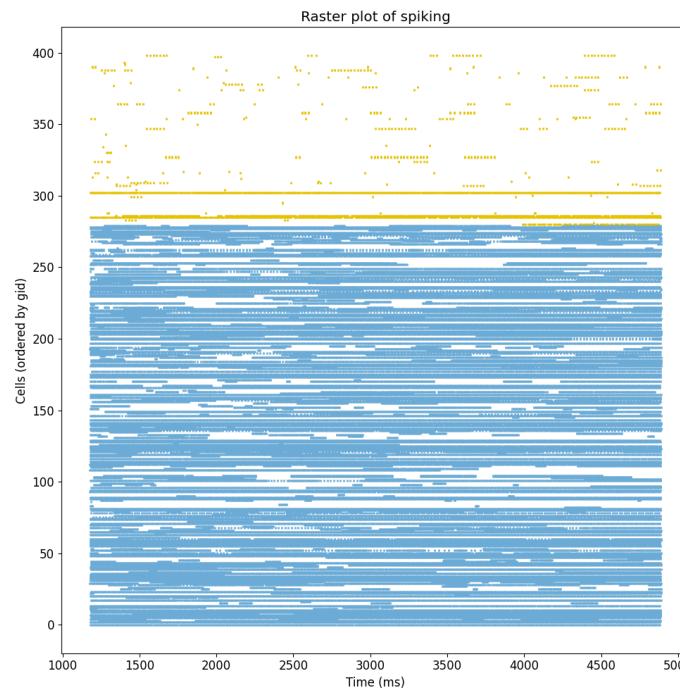
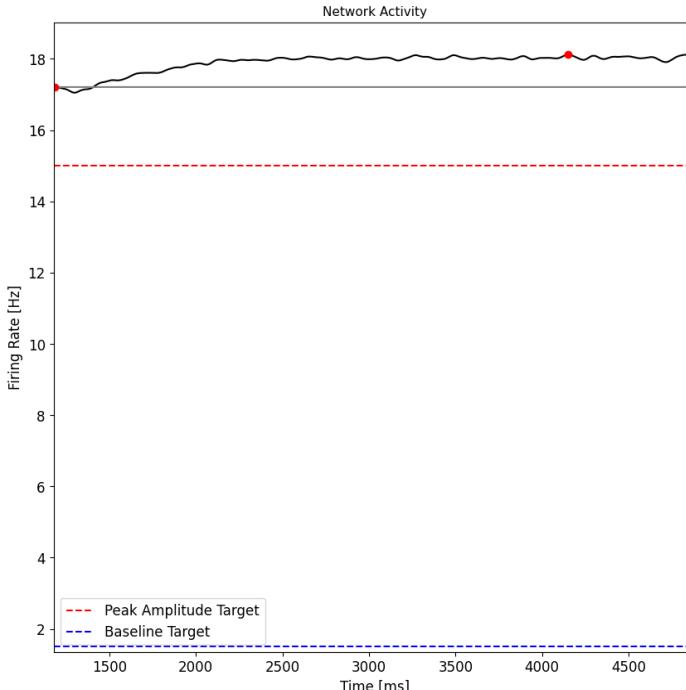
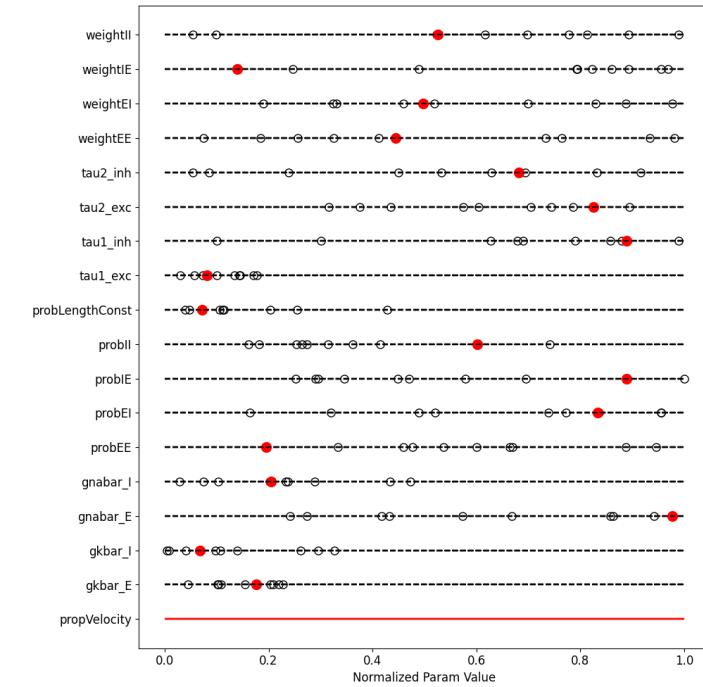
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rate_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}}
bursts_peak_targets: {'target': 15, 'width': 2, 'min': 8}
IBI_targets: {'target': 3000, 'width': 2000, 'max': 4000}
baseline_targets: {'target': 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': 0.45990156590772635, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.40899795501022496, 'Fit': 1.5745786773727195}
IBI_fitness: {'Value': 2962.5, 'Fit': 1.0189268850520263}
baseline_fitness: {'Value': 17.886306221296863, 'Fit': 1000}
slopeFitness: {'Value': 0.0013393010727889188, 'Fit': 1.0026821928055725}
thresh: {'Value': 17.20933944387663, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 74.92447129909365, 'Fit': 1000}
E_rate_fitness: {'Value': 48.82142857142857, 'Fit': 1000}
I_rate_fitness: {'Value': 10.37962962962963, 'Fit': 7.113803396732368}
maxFitness: 1000
average_fitness: 556.7455545724404
average_scaled_fitness: 556.300665150427

```

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}

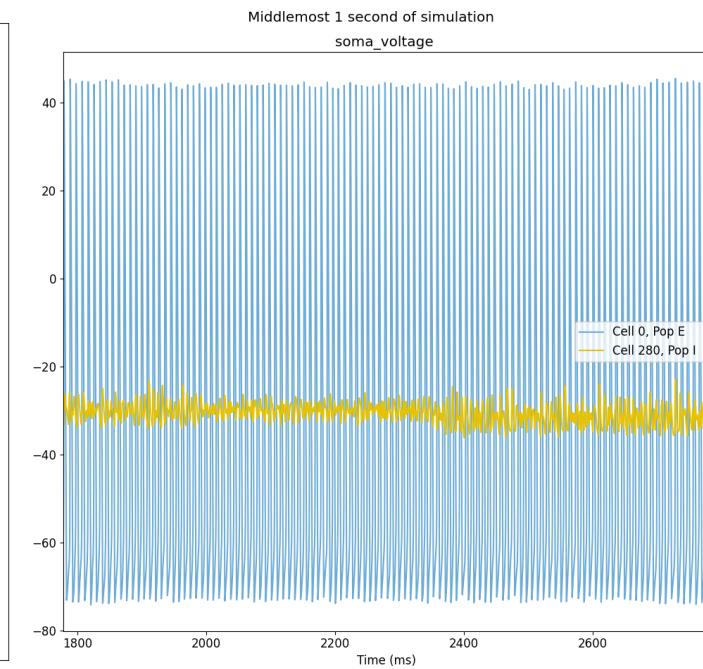
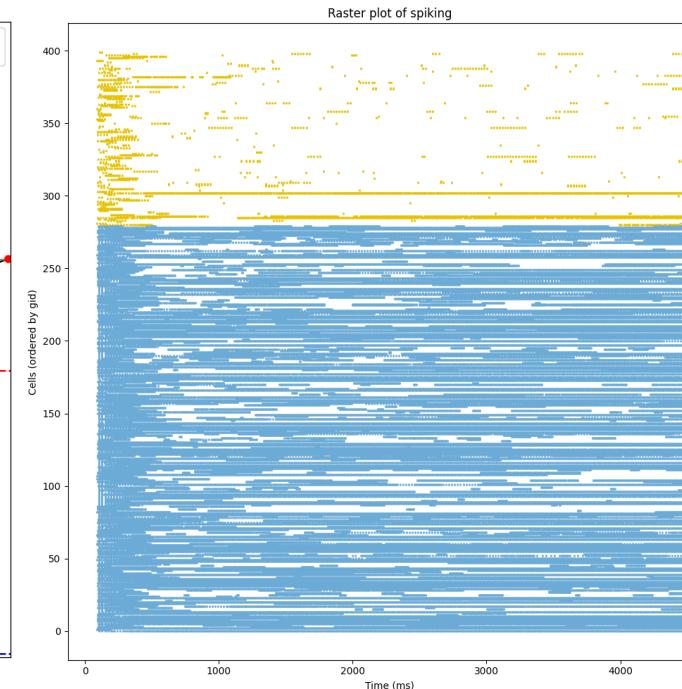
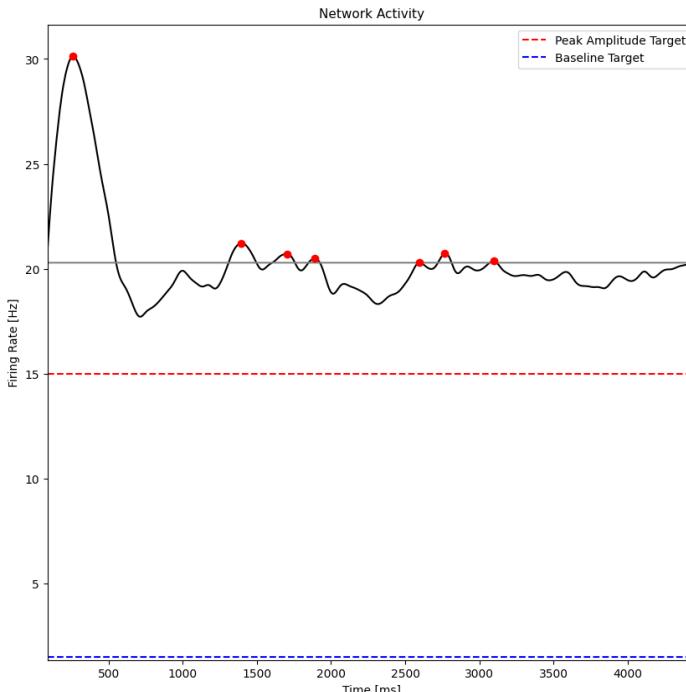
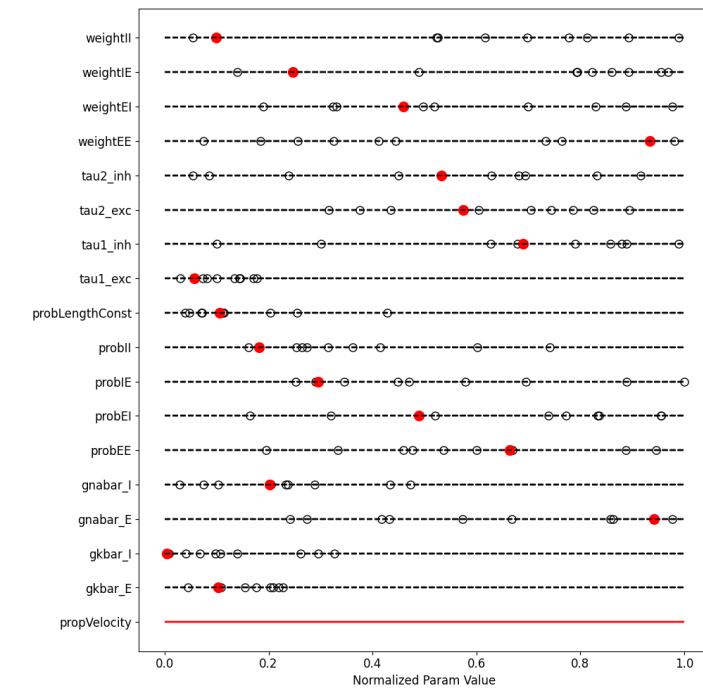
```

```

burstAmp_Fitness: {'Value': 1.4929819401362052, 'Fit': 876.6453801213011}
burst_peak_frequency_fitness: {'Value': 1.7927170868347337, 'Fit': 1000}
IBI_fitness: {'Value': 597.8571428571429, 'Fit': 3.4015958730839317}
baseline_fitness: {'Value': 20.340184289421906, 'Fit': 1000}
slopeFitness: {'Value': -0.005974178280521322, 'Fit': 1.0120200233222052}
thresh: {'Value': 20.290300271076504, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 87.42514970059881, 'Fit': 12.366238526907026}
E_rate_fitness: {'Value': 77.0, 'Fit': 1000}
I_rate_fitness: {'Value': 9.731481481481, 'Fit': 7.590153778330142}
maxFitness: 1000
average_fitness: 544.5572653692161
average_scaled_fitness: 544.0958812723486

```

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}

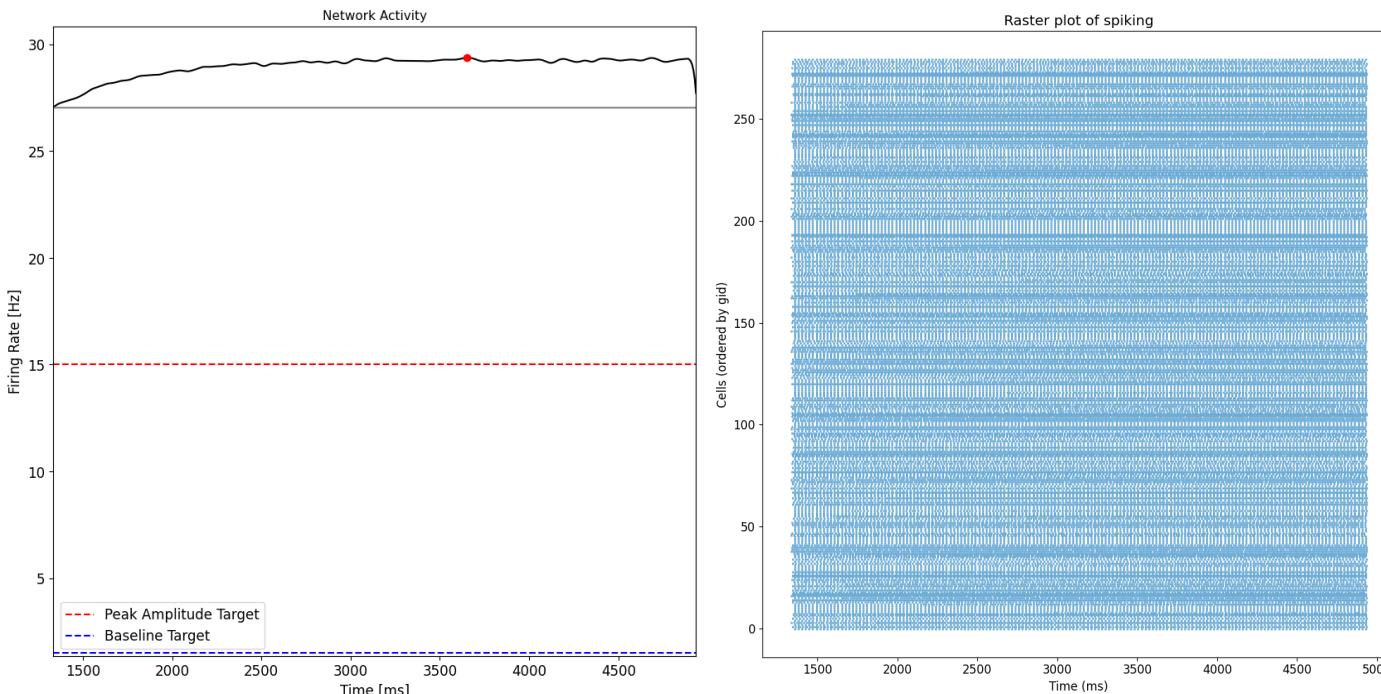
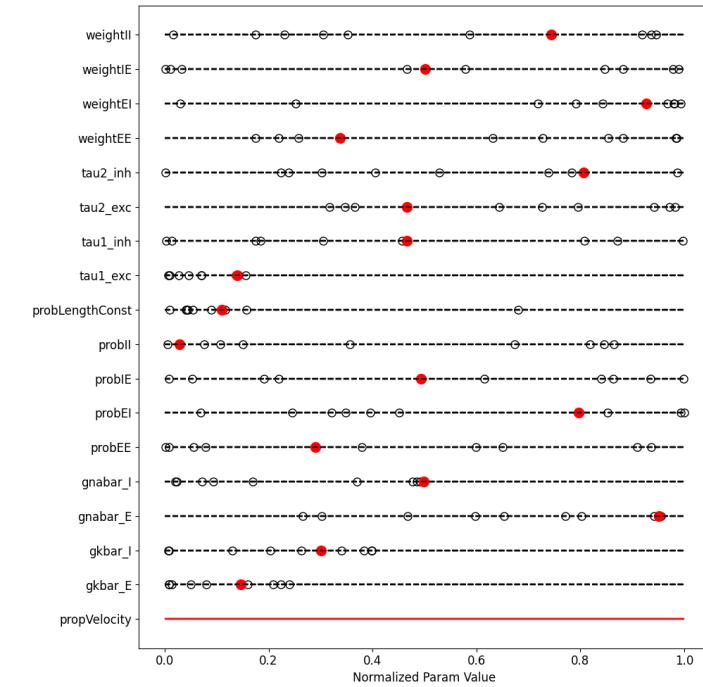
```

```

burstAmp_Fitness: {'Value': 2.3439484414669174, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.2026342451874367, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 28.973068976250232, 'Fit': 1000}
slopeFitness: {'Value': 0.002616304102421396, 'Fit': 1.0052463222087247}
thresh: {'Value': 27.033661391646746, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 72.22222222222221, 'Fit': 1000}
E_rate_fitness: {'Value': 64.67857142857143, 'Fit': 1000}
I_rate_fitness: {'Value': 11.898148148148149, 'Fit': 6.111579101350855}
maxFitness: 1000
average_fitness: 778.5685361581733
average_scaled_fitness: 778.3457190074037

```

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}

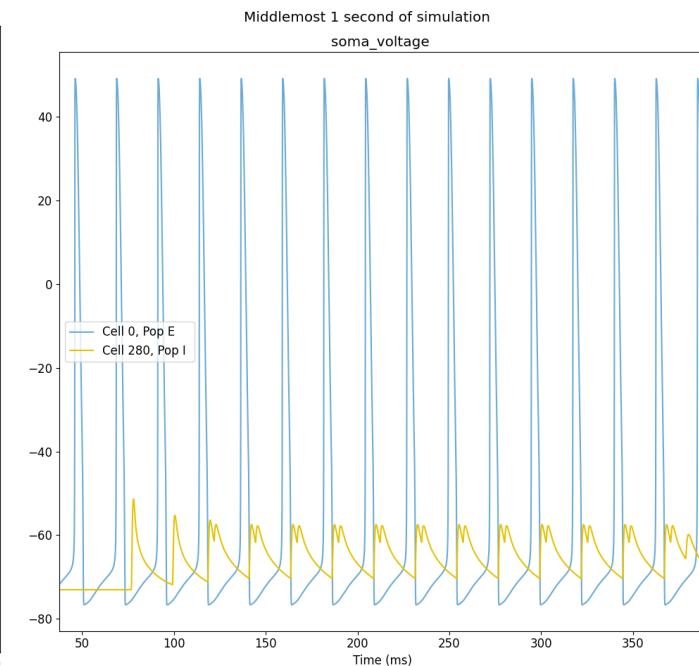
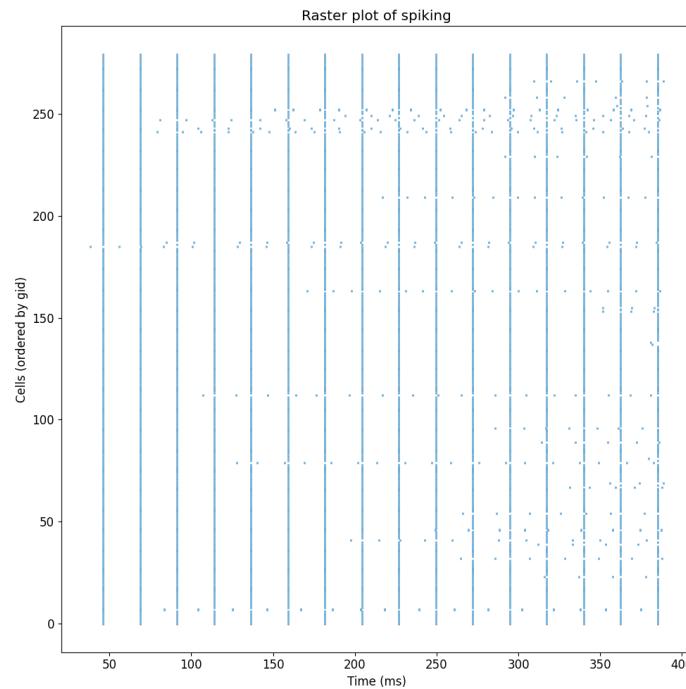
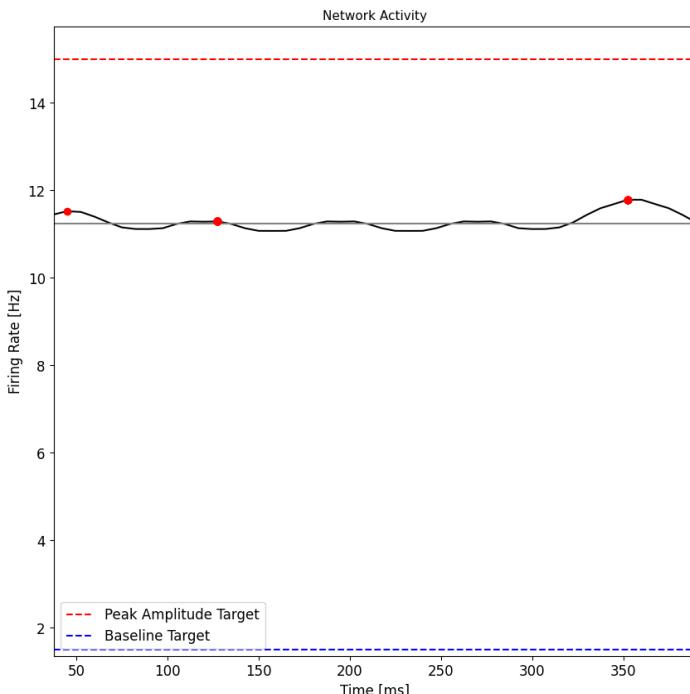
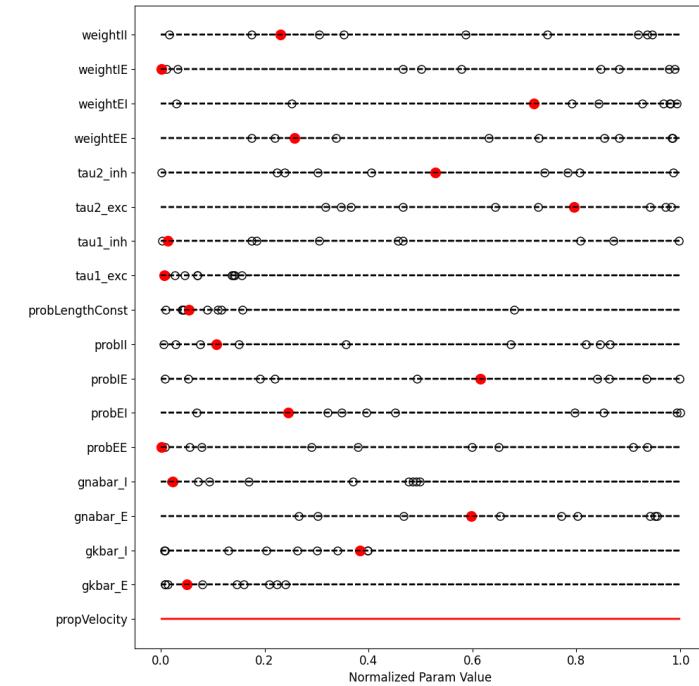
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```

burstAmp_Fitness: {'Value': 0.176443764328128, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 156.4102564102564, 'Fit': 1000}
IBI_fitness: {'Value': 5.125, 'Fit': 4.483025465354538}
baseline_fitness: {'Value': 11.283987742386051, 'Fit': 1000}
slopeFitness: {'Value': 0.004745307824561223, 'Fit': 1.009535794353286}
thresh: {'Value': 11.229662062488586, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 7.19640179910045, 'Fit': 1000}
E_rate_fitness: {'Value': 41.11111111111111, 'Fit': 1000}
I_rate_fitness: {'Value': 0.0, 'Fit': 1000}
maxFitness: 1000
average_fitness: 778.3880623621897
average_scaled_fitness: 778.1641110918649

```

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}

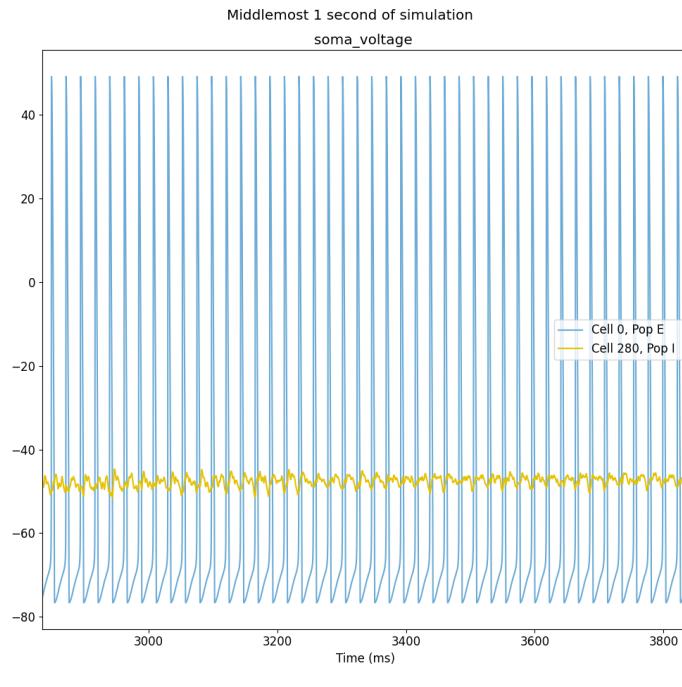
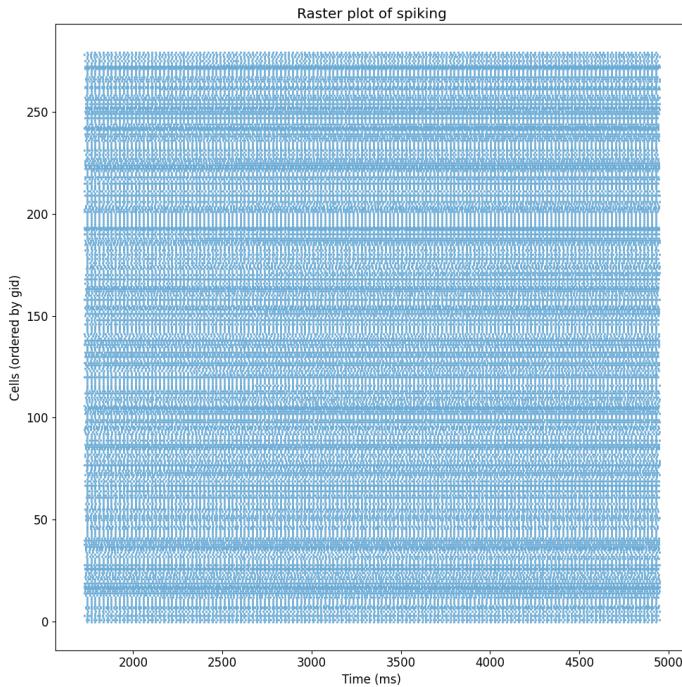
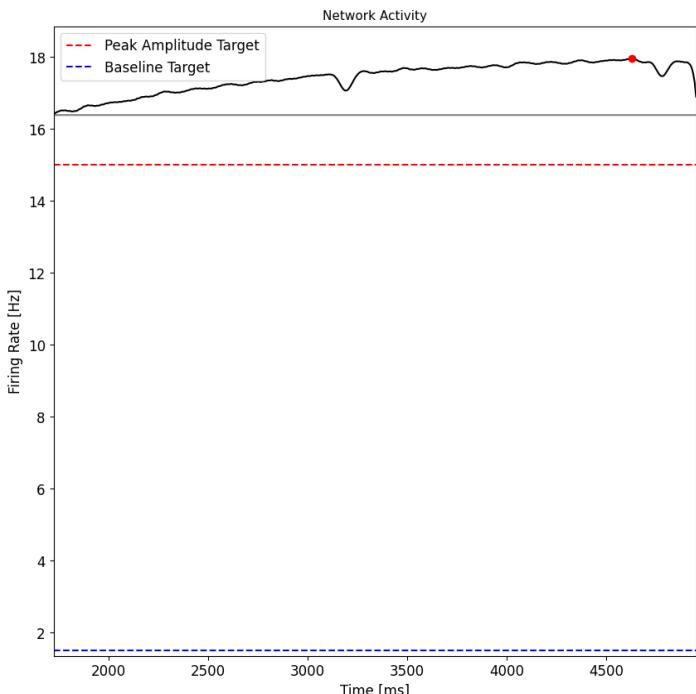
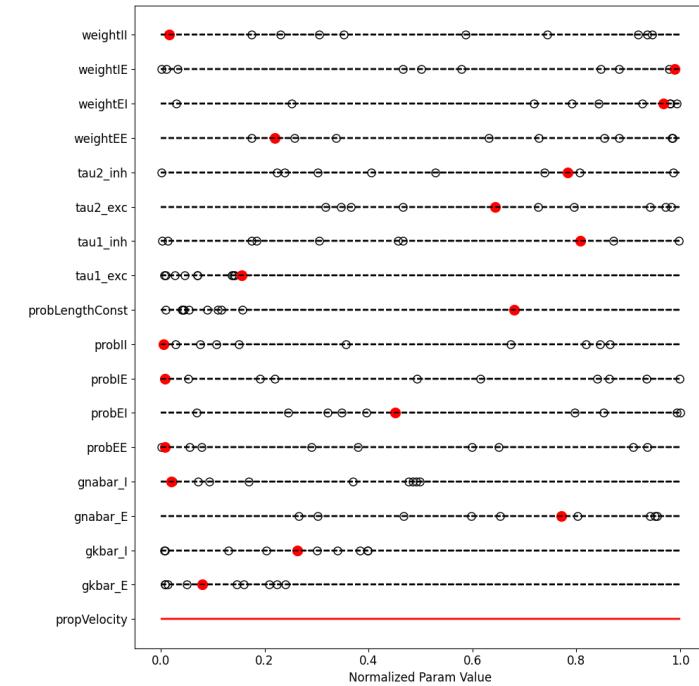
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```

burstAmp_Fitness: {'Value': 1.568248237487122, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.20202020202020202, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 17.42255548272841, 'Fit': 1000}
slopeFitness: {'Value': 0.0030610853397688748, 'Fit': 1.0061409494692117}
thresh: {'Value': 16.382540103664915, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 64.52095808383234, 'Fit': 1000}
E_rate_fitness: {'Value': 48.297619047619044, 'Fit': 1000}
I_rate_fitness: {'Value': 0.0, 'Fit': 1000}
maxFitness: 1000
average_fitness: 889.0006823277188
average_scaled_fitness: 888.8888888888889

```

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}

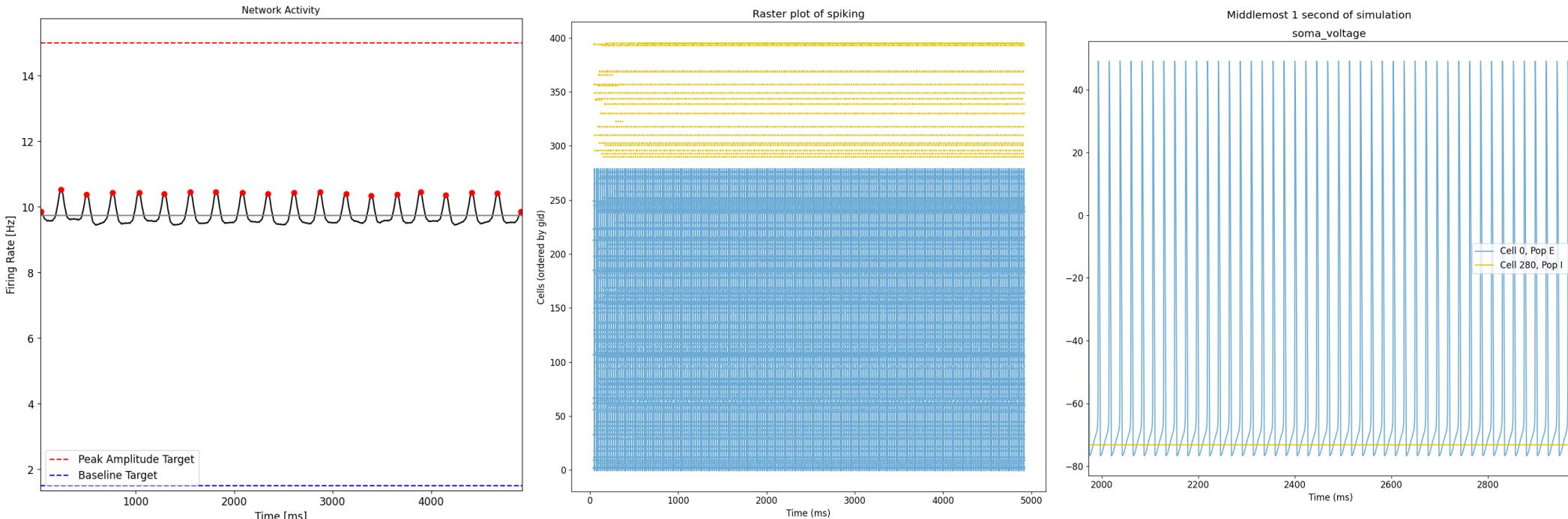
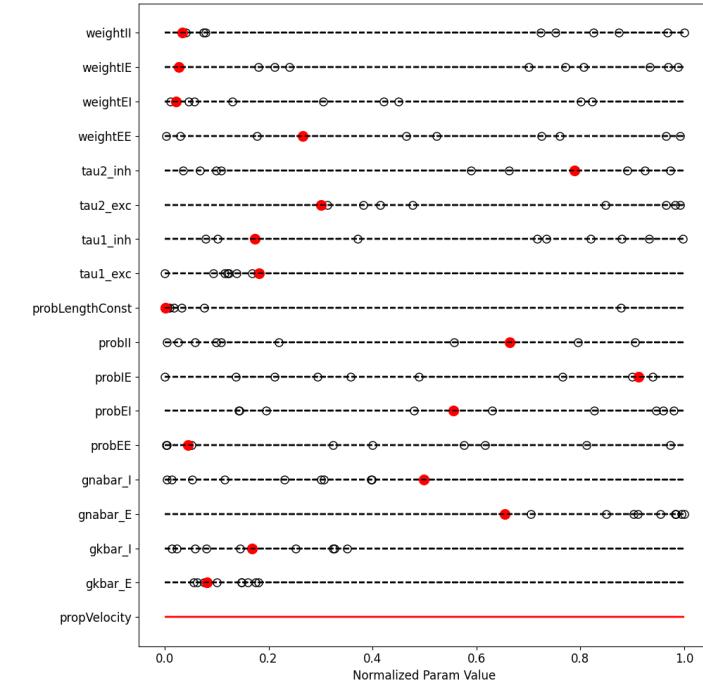
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```

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



```

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}

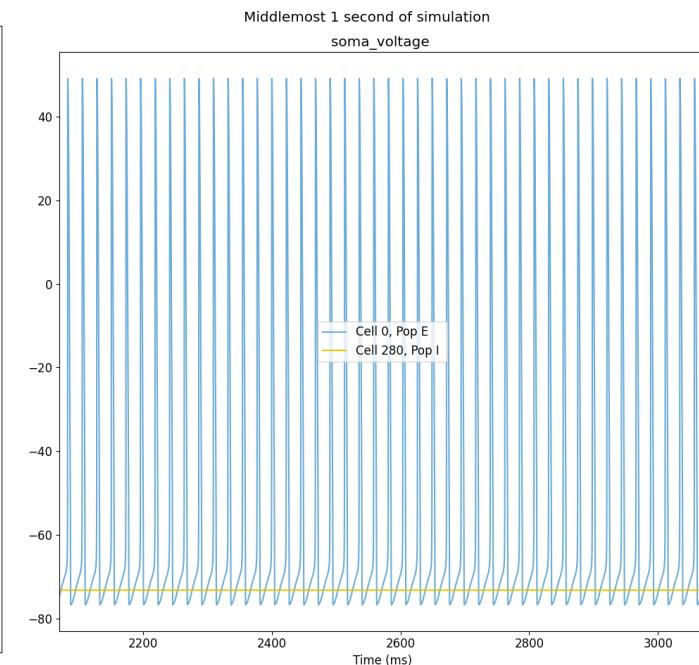
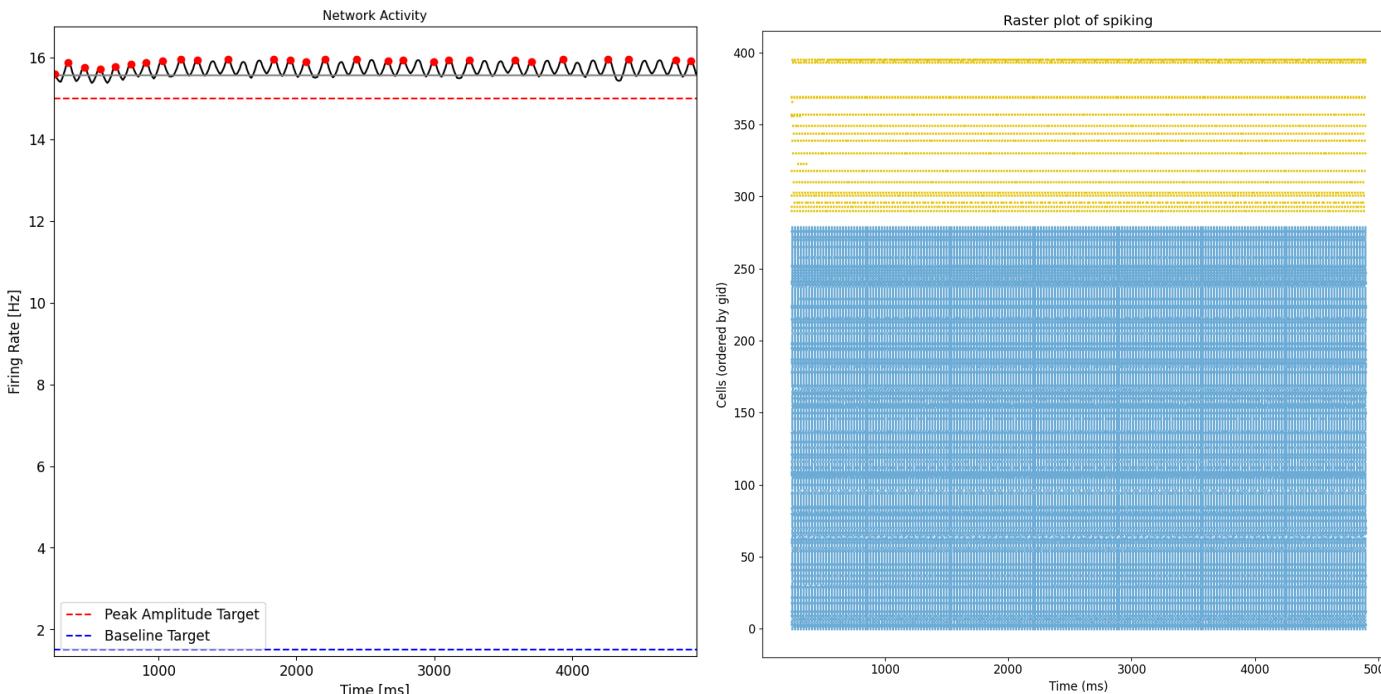
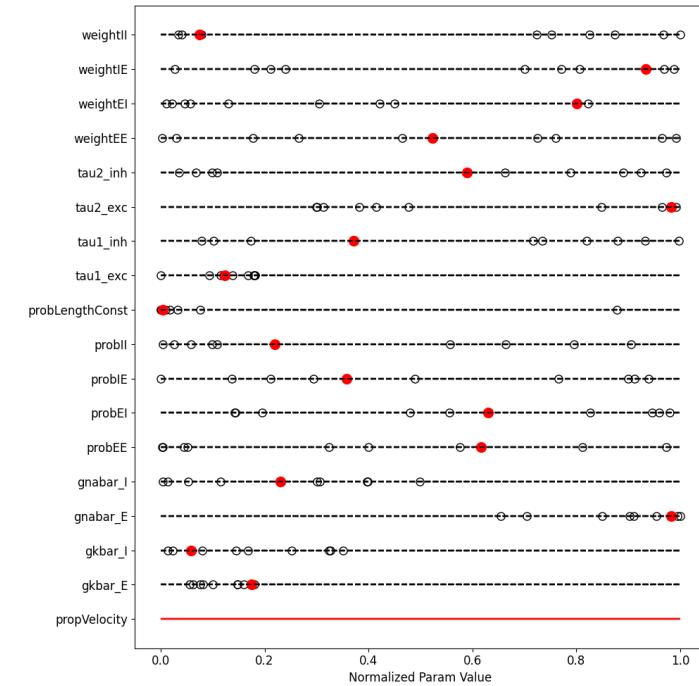
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```

burstAmp_Fitness: {'Value': 0.3308692583627402, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 5.717202654415519, 'Fit': 1000}
IBI_fitness: {'Value': 170.83333333333334, 'Fit': 4.117935024960711}
baseline_fitness: {'Value': 15.72013575671705, 'Fit': 1000}
slopeFitness: {'Value': 0.00016499064805625995, 'Fit': 1.0003300357459295}
thresh: {'Value': 15.56425241199873, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 93.3933933933934, 'Fit': 3.748370908982111}
E_rate_fitness: {'Value': 51.801587301587304, 'Fit': 1000}
I_rate_fitness: {'Value': 8.212962962962962, 'Fit': 8.834846254067362}
maxFitness: 1000
average_fitness: 557.5223869137506
average_scaled_fitness: 557.079320054148

```

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}

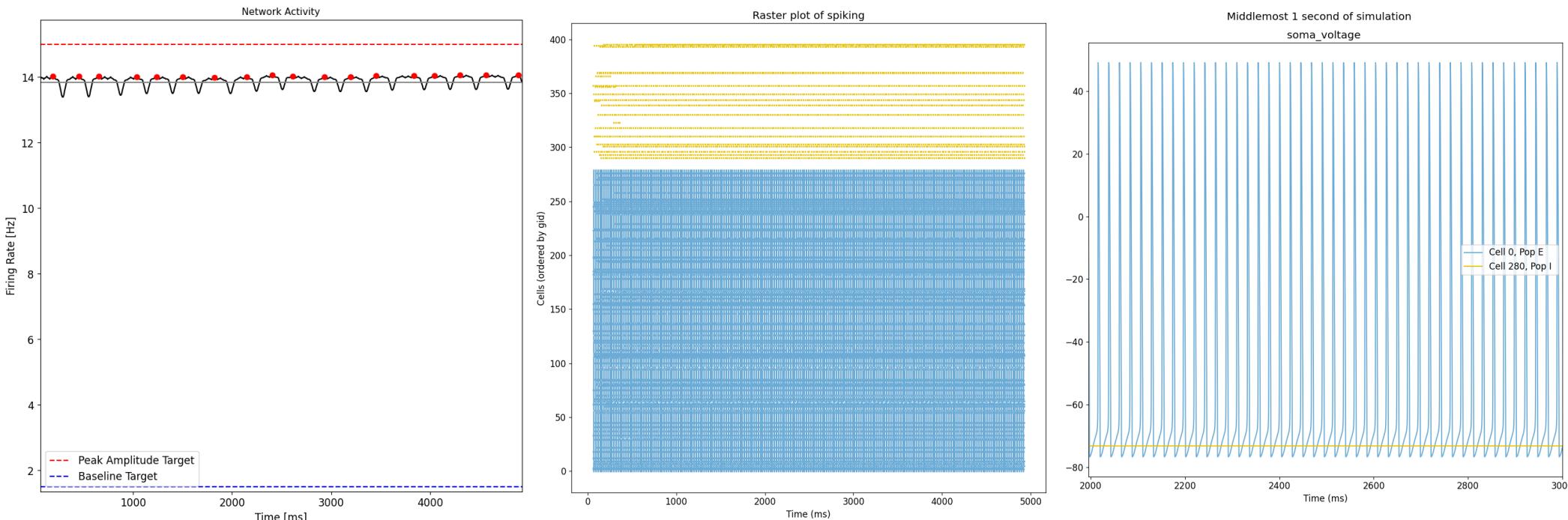
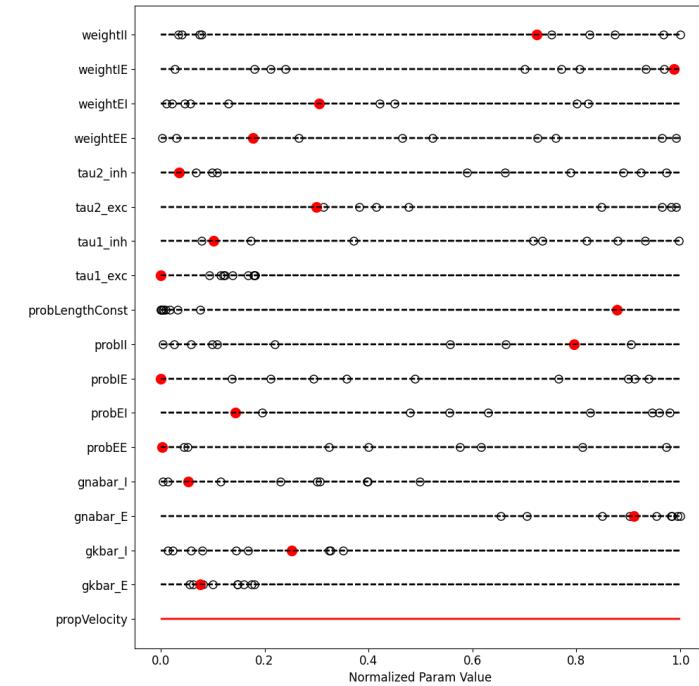
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```

burstAmp_Fitness: {'Value': 0.1890667989957931, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 3.65296803652968, 'Fit': 1000}
IBI_fitness: {'Value': 276.61764705882354, 'Fit': 3.90433865347417}
baseline_fitness: {'Value': 13.89862876753468, 'Fit': 1000}
slopeFitness: {'Value': 0.00014244796176067452, 'Fit': 1.000284936510219}
thresh: {'Value': 13.838620702077606, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 97.30538922155688, 'Fit': 1.7141582703762195}
E_rate_fitness: {'Value': 50.01984126984127, 'Fit': 1000}
I_rate_fitness: {'Value': 0.0, 'Fit': 1000}
maxFitness: 1000
average_fitness: 667.4020868733734
average_scaled_fitness: 667.0690610702637

```

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}

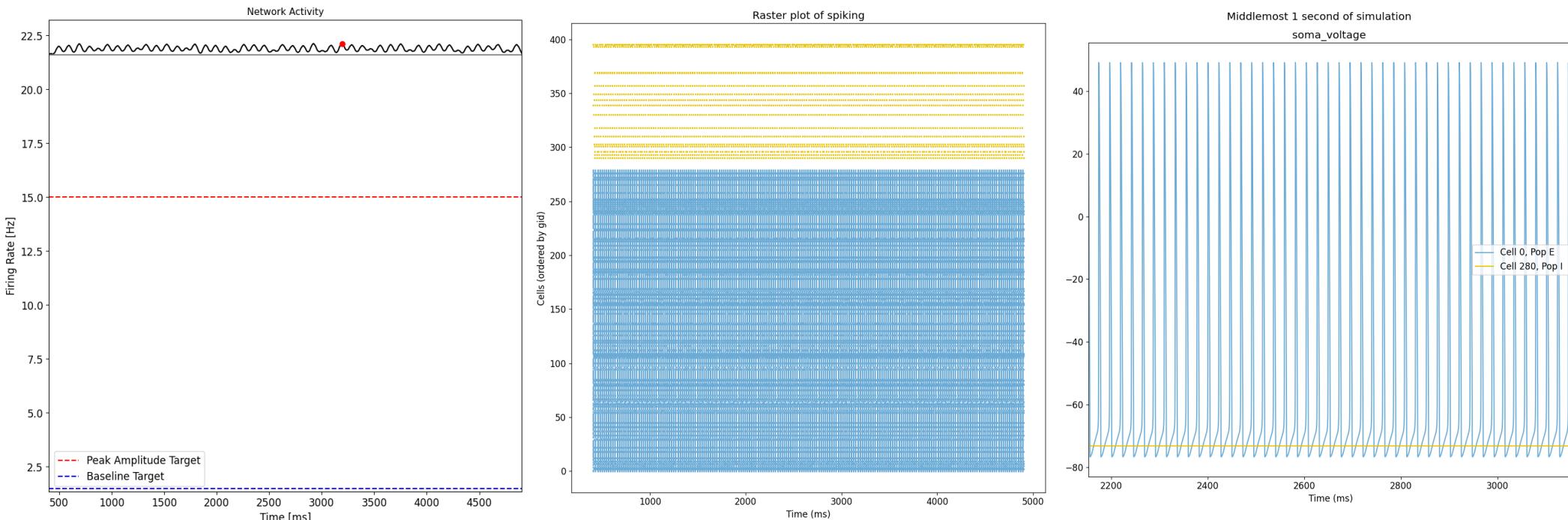
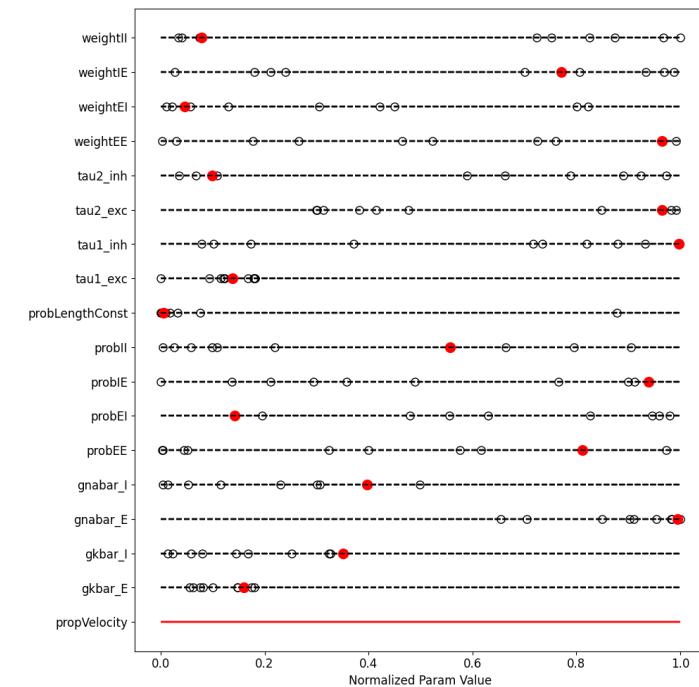
```

```

burstAmp_Fitness: {'Value': 0.5239052476641781, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.2038735983690112, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 21.87629939502663, 'Fit': 1000}
slopeFitness: {'Value': 1.5737217593974074e-05, 'Fit': 1.0000314749305133}
thresh: {'Value': 21.588793988004564, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 90.24024024024024, 'Fit': 7.042420639807379}
E_rate_fitness: {'Value': 76.12698412698413, 'Fit': 1000}
I_rate_fitness: {'Value': 0.02777777777777778, 'Fit': 1000}
maxFitness: 1000
average_fitness: 778.6713835683042
average_scaled_fitness: 778.4498264214494

```

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}

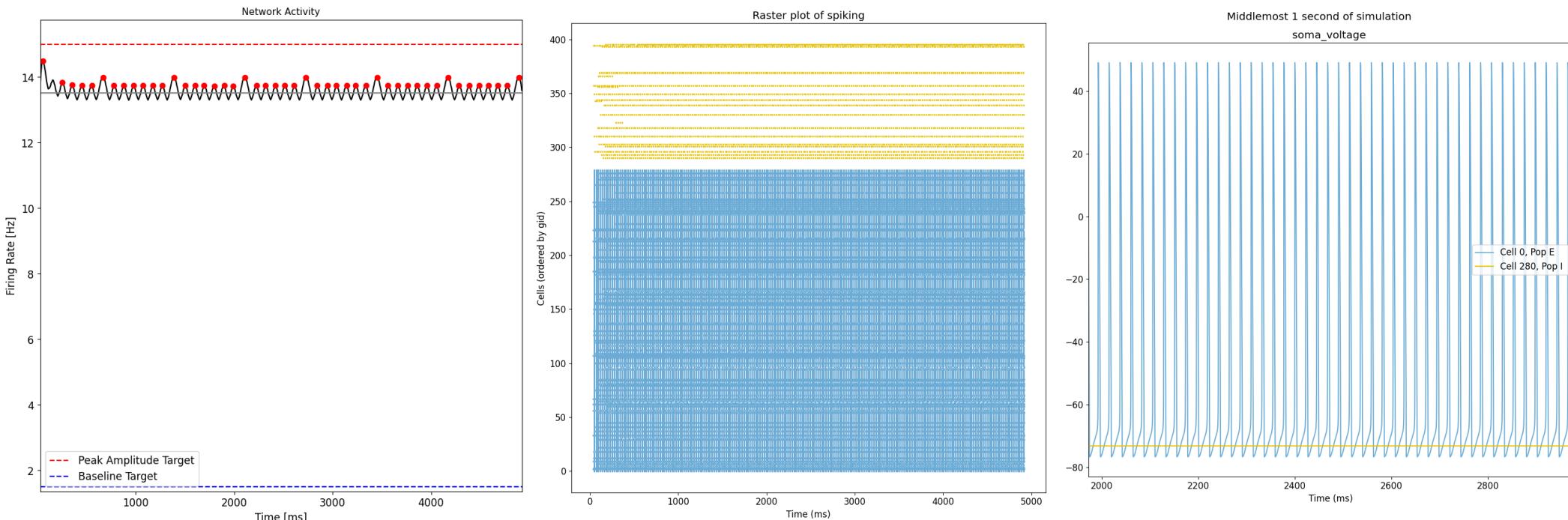
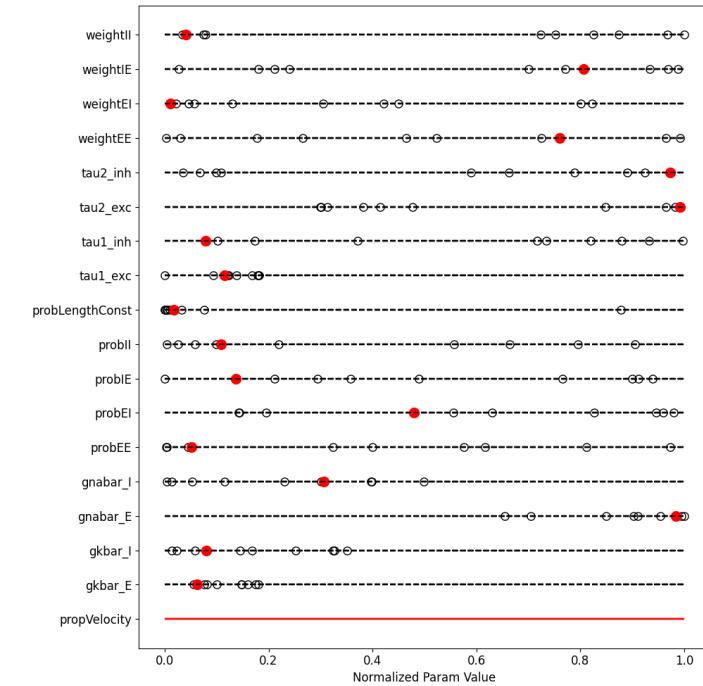
```

```

burstAmp_Fitness: {'Value': 0.283523220080686, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 9.552845528455284, 'Fit': 1000}
IBI_fitness: {'Value': 105.0, 'Fit': 4.25261168196121}
baseline_fitness: {'Value': 13.575067608460788, 'Fit': 1000}
slopeFitness: {'Value': -0.00011378903651497536, 'Fit': 1.0002276039708842}
thresh: {'Value': 13.514430215614443, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 97.75449101796407, 'Fit': 1.5669041542945097}
E_rate_fitness: {'Value': 47.916666666666664, 'Fit': 1000}
I_rate_fitness: {'Value': 1.0462962962962963, 'Fit': 1000}
maxFitness: 1000
average_fitness: 667.4244159378029
average_scaled_fitness: 667.0914315980889

```

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}

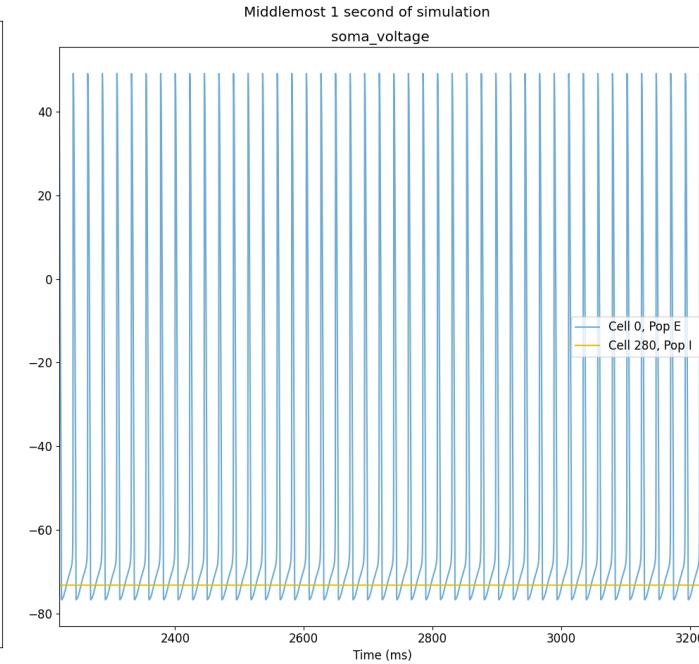
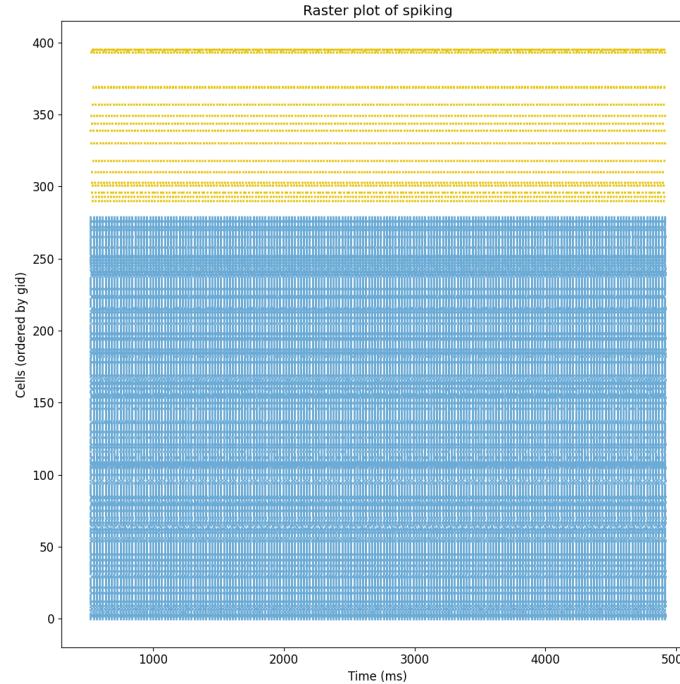
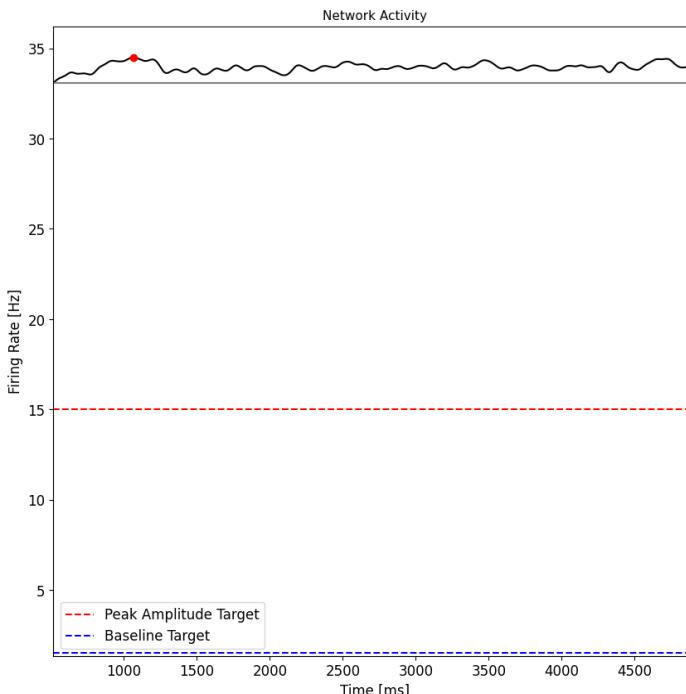
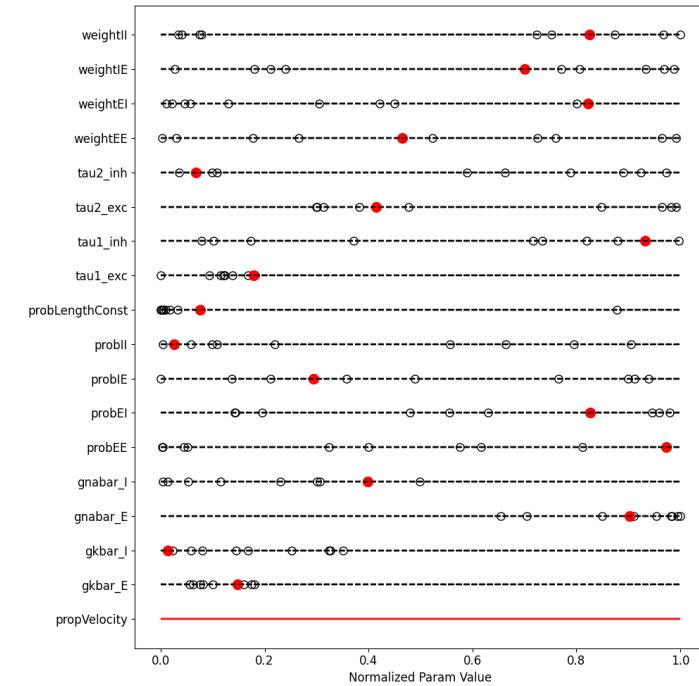
```

```

burstAmp_Fitness: {'Value': 1.4135380646268203, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.2032520325203252, 'Fit': 1000}
IBI_fitness: {'Value': None, 'Fit': 1000}
baseline_fitness: {'Value': 33.9460537332482, 'Fit': 1000}
slopeFitness: {'Value': 0.00033794357106873874, 'Fit': 1.0006761156053208}
thresh: {'Value': 33.07849873940563, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 88.28828828828829, 'Fit': 10.405581473625581}
E_rate_fitness: {'Value': 102.19444444444443, 'Fit': 1000}
I_rate_fitness: {'Value': 15.61111111111111, 'Fit': 4.216008759380773}
maxFitness: 1000
average_fitness: 668.4024740387347
average_scaled_fitness: 668.0703199358338

```

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}

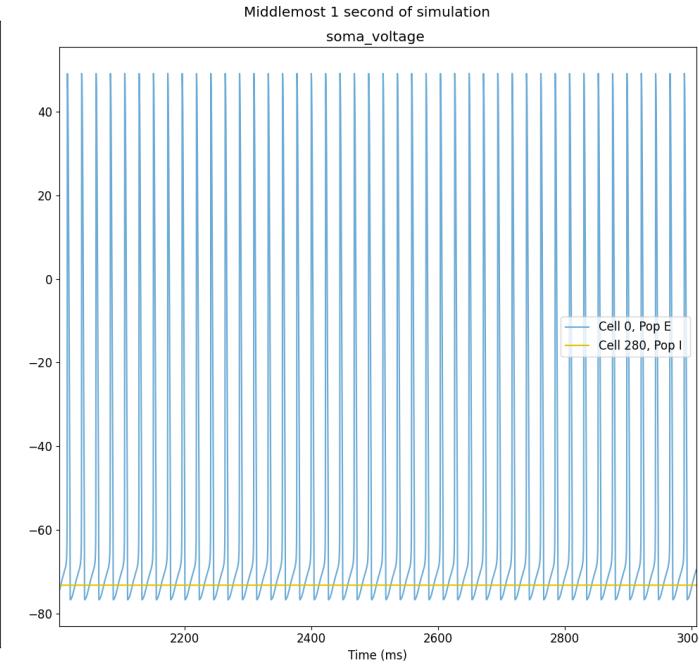
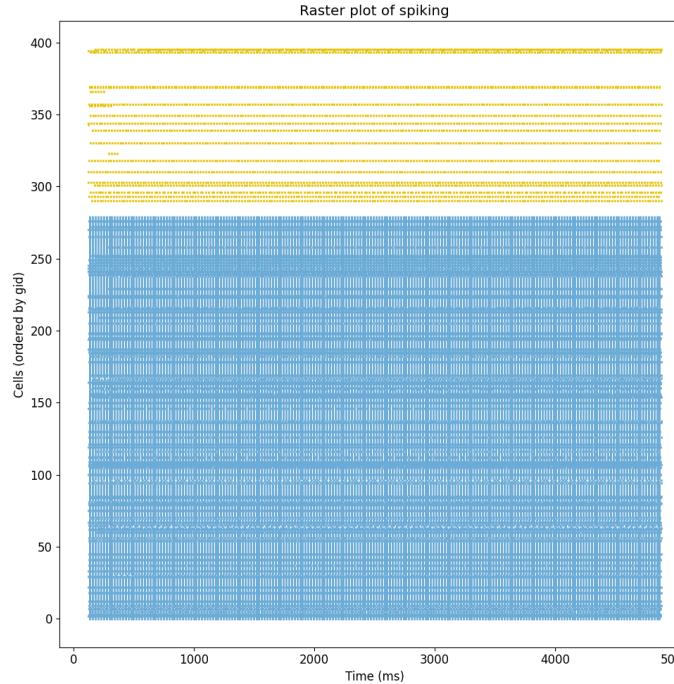
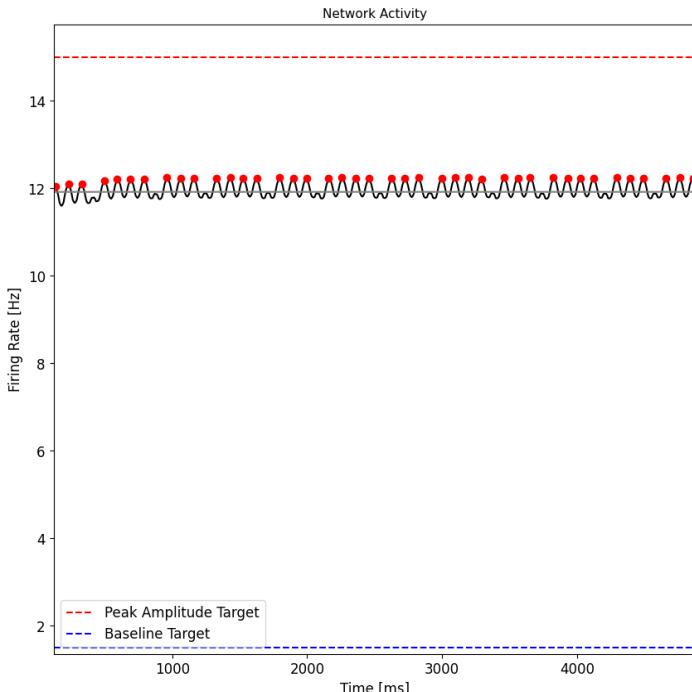
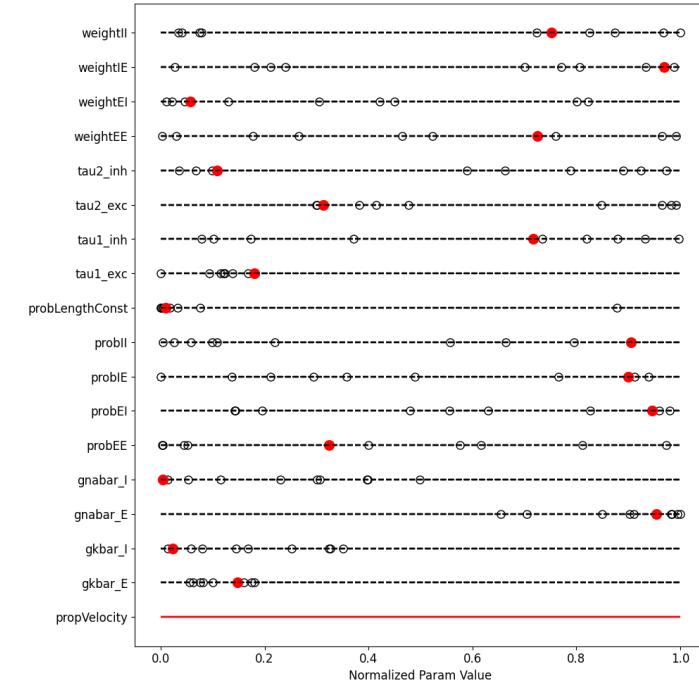
```

```

burstAmp_Fitness: {'Value': 0.3031710903929612, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 8.397337429595494, 'Fit': 1000}
IBI_fitness: {'Value': 118.125, 'Fit': 4.225140464713699}
baseline_fitness: {'Value': 11.970867813064523, 'Fit': 1000}
slopeFitness: {'Value': 0.00010975705323600008, 'Fit': 1.0002195382014565}
thresh: {'Value': 11.917981041768707, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 95.4954954954955, 'Fit': 2.461819968249984}
E_rate_fitness: {'Value': 42.773809523809526, 'Fit': 1000}
I_rate_fitness: {'Value': 0.0, 'Fit': 1000}
maxFitness: 1000
average_fitness: 667.5207977745738
average_scaled_fitness: 667.187912622229

```

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}

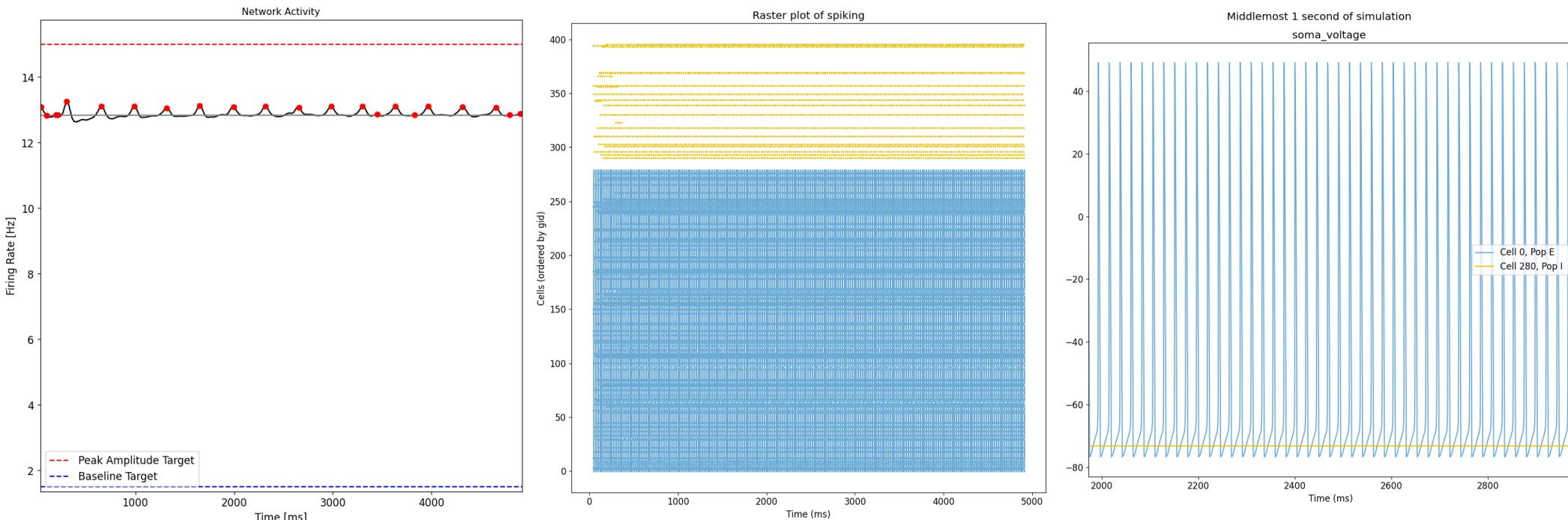
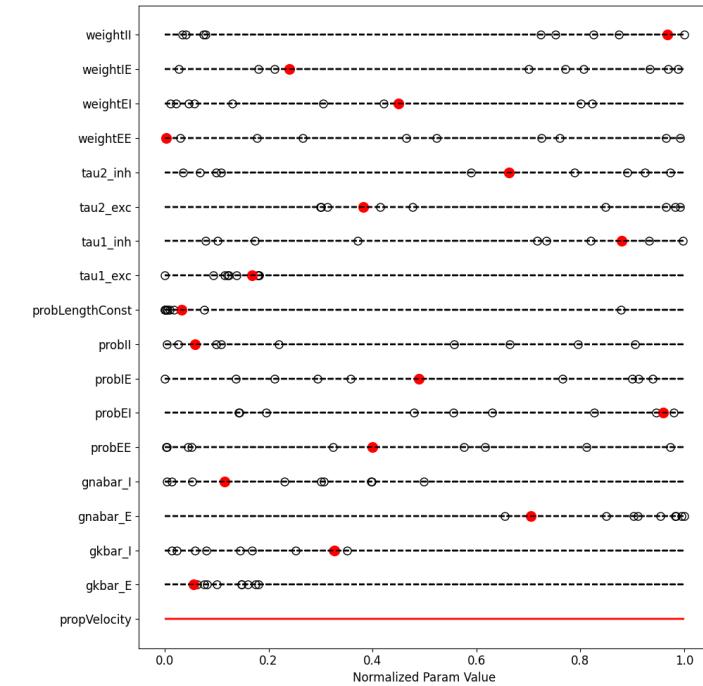
```

```

burstAmp_Fitness: {'Value': 0.1904708908105981, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 4.478371501272265, 'Fit': 1000}
IBI_fitness: {'Value': 231.07142857142858, 'Fit': 3.999211539945985}
baseline_fitness: {'Value': 12.879809047776305, 'Fit': 1000}
slopeFitness: {'Value': 7.770571812570844e-05, 'Fit': 1.0001554235132344}
thresh: {'Value': 12.834662455870843, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 97.45508982035929, 'Fit': 1.663596850877257}
E_rate_fitness: {'Value': 45.666666666666664, 'Fit': 1000}
I_rate_fitness: {'Value': 0.6666666666666666, 'Fit': 1000}
maxFitness: 1000
average_fitness: 667.4069959793708
average_scaled_fitness: 667.0740182530981

```

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}

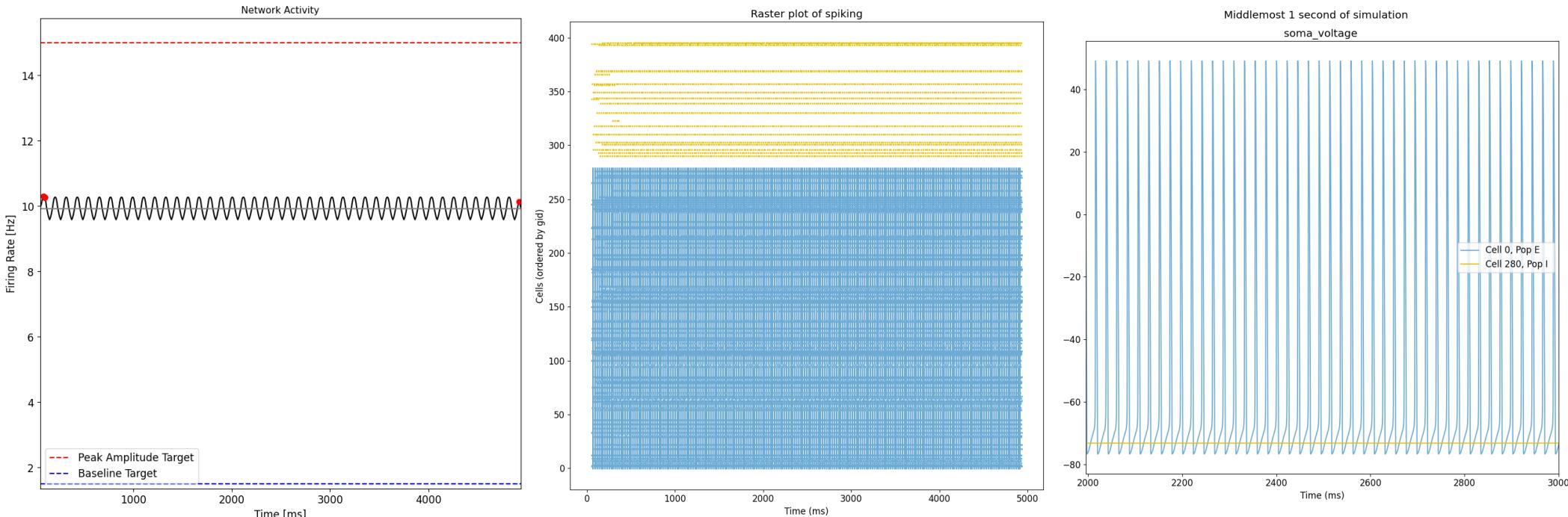
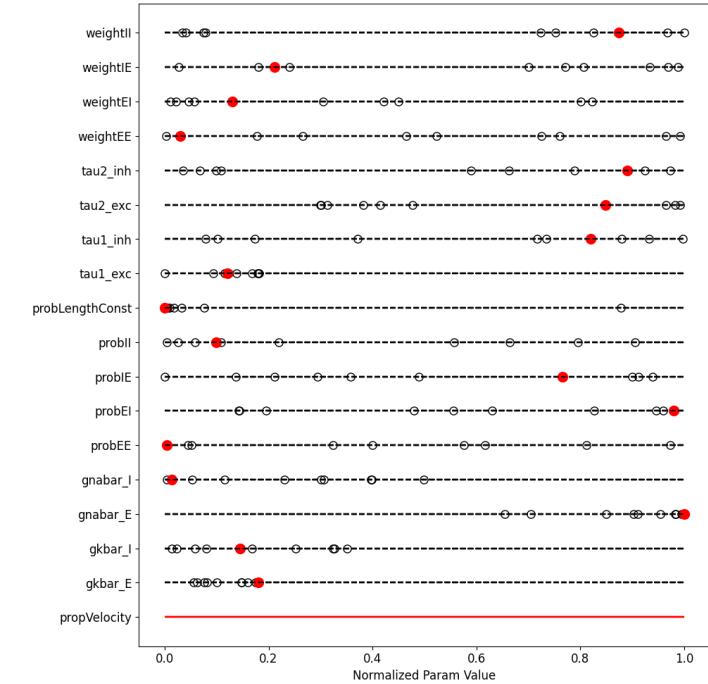
```

```

burstAmp_Fitness: {'Value': 0.34739248457508604, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 8.915906788247215, 'Fit': 1000}
IBI_fitness: {'Value': 112.32558139534883, 'Fit': 27.63288758355135}
baseline_fitness: {'Value': 9.93971961874081, 'Fit': 1000}
slopeFitness: {'Value': -1.97116284806026e-05, 'Fit': 1.000039424034068}
thresh: {'Value': 9.91893685169805, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 98.04511278195488, 'Fit': 1.4784251651009856}
E_rate_fitness: {'Value': 35.555555555555556, 'Fit': 1000}
I_rate_fitness: {'Value': 0.0, 'Fit': 1000}
maxFitness: 1000
average_fitness: 670.0123724636319
average_scaled_fitness: 669.6820414826481

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0



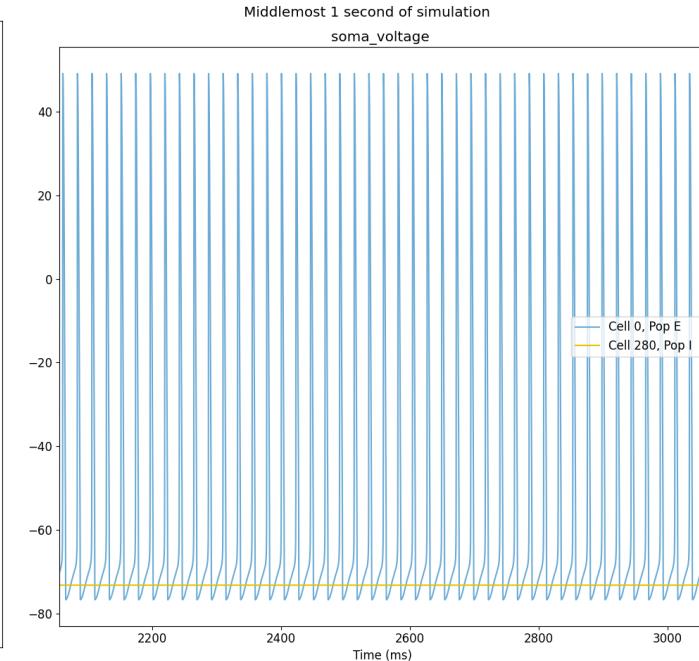
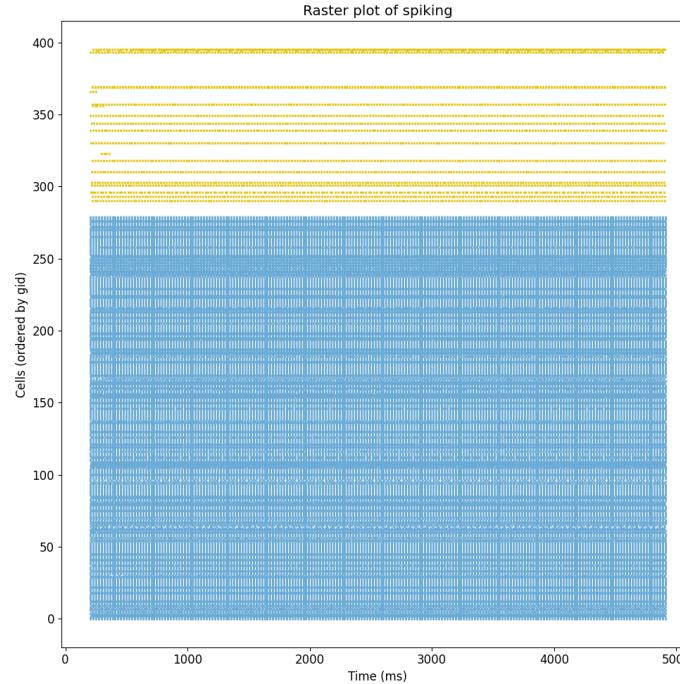
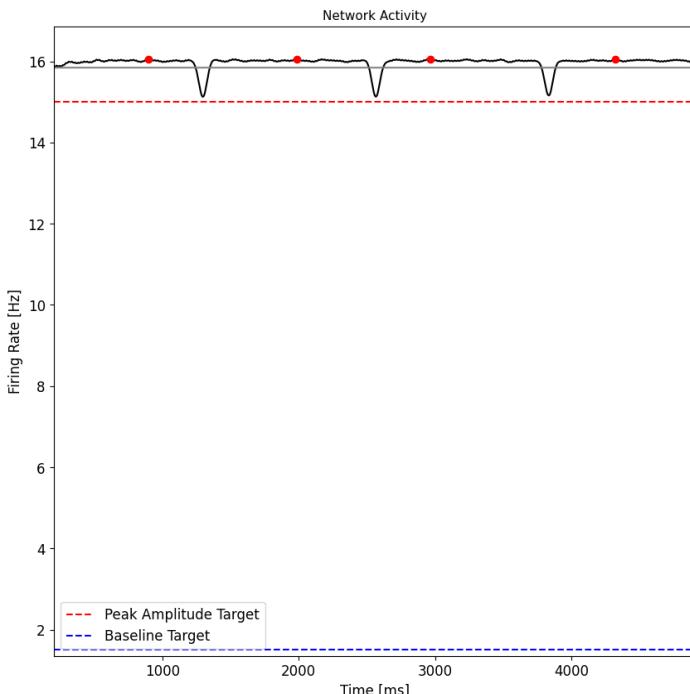
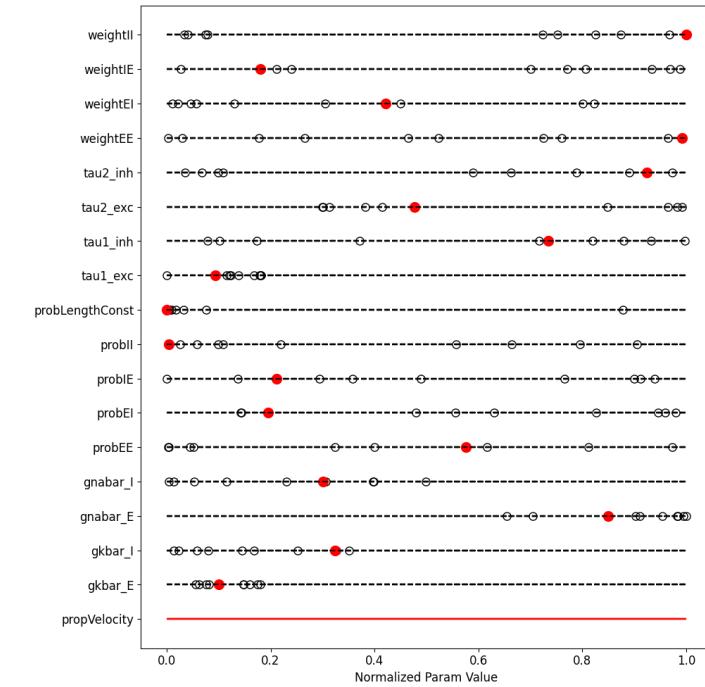
```

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': 0.21053843816400253, 'Fit': 1000.0}
burst_peak_frequency_fitness: {'Value': 0.8142493638676845, 'Fit': 17.912453249364184}
IBI_fitness: {'Value': 1140.0, 'Fit': 2.5425780979381667}
baseline_fitness: {'Value': 15.970685569569483, 'Fit': 1000}
slopeFitness: {'Value': 3.479318524264924e-05, 'Fit': 1.0000695887916728}
thresh: {'Value': 15.843850623047947, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 94.16167664670658, 'Fit': 3.2144770037391677}
E_rate_fitness: {'Value': 54.448412698412696, 'Fit': 1000}
I_rate_fitness: {'Value': 5.86111111111112, 'Fit': 11.177344184085761}
maxFitness: 1000
average_fitness: 448.42743579154654
average_scaled_fitness: 447.8752726424965

```

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}

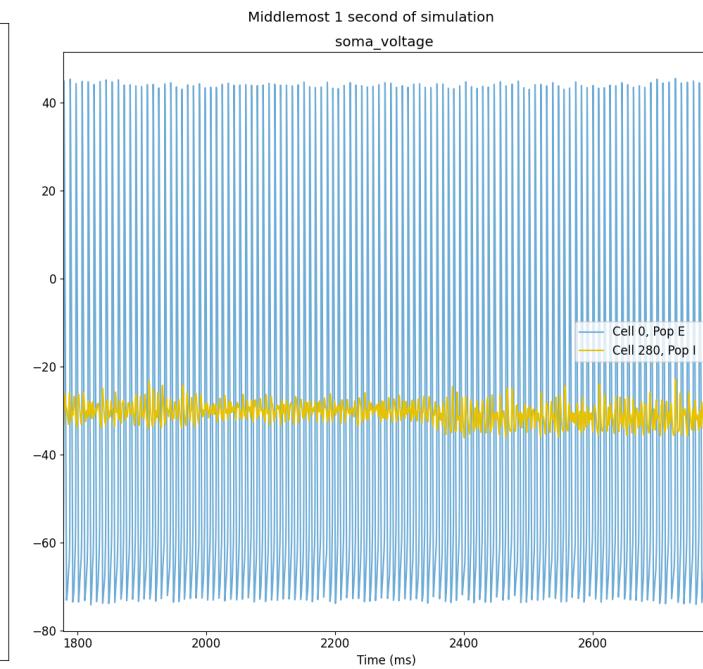
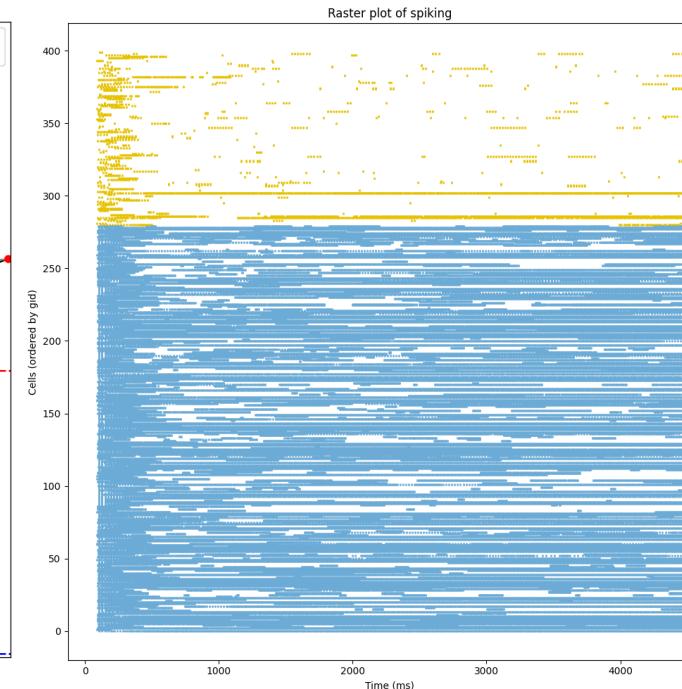
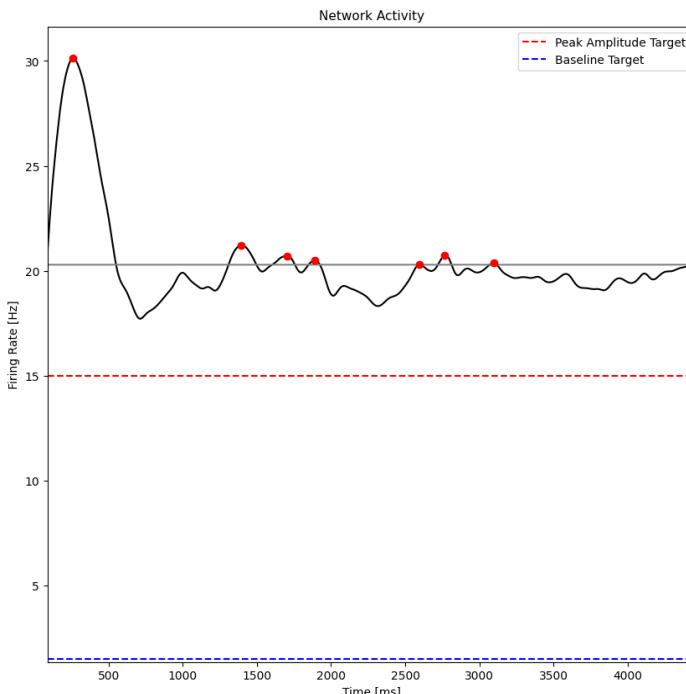
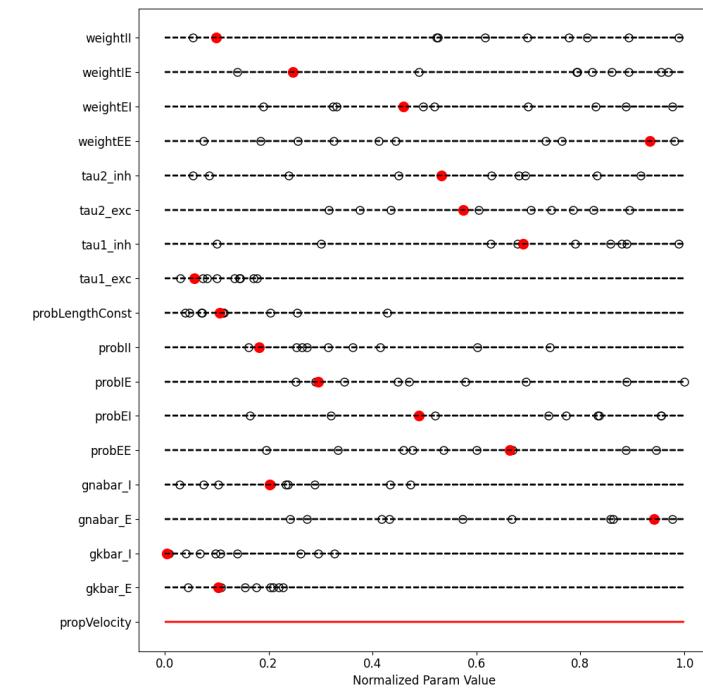
```

```

burstAmp_Fitness: {'Value': 1.4929819401362052, 'Fit': 876.6453801213011}
burst_peak_frequency_fitness: {'Value': 1.7927170868347337, 'Fit': 1000}
IBI_fitness: {'Value': 597.8571428571429, 'Fit': 3.4015958730839317}
baseline_fitness: {'Value': 20.340184289421906, 'Fit': 1000}
slopeFitness: {'Value': -0.005974178280521322, 'Fit': 1.0120200233222052}
thresh: {'Value': 20.290300271076504, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 87.42514970059881, 'Fit': 12.366238526907026}
E_rate_fitness: {'Value': 77.0, 'Fit': 1000}
I_rate_fitness: {'Value': 9.731481481481, 'Fit': 7.590153778330142}
maxFitness: 1000
average_fitness: 544.5572653692161
average_scaled_fitness: 544.0958812723486

```

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': 1.4929819401362052, 'Fit': 876.6453801213011}
burst_peak_frequency_fitness: {'Value': 1.7927170868347337, 'Fit': 1000}
IBI_fitness: {'Value': 597.8571428571429, 'Fit': 3.4015958730839317}
baseline_fitness: {'Value': 20.340184289421906, 'Fit': 1000}
slopeFitness: {'Value': -0.005974178280521322, 'Fit': 1.0120200233222052}
thresh: {'Value': 20.290300271076504, 'Fit': 1000}
sustain_oscillation_fitness: {'Value': 87.42514970059881, 'Fit': 12.366238526907026}
E_rate_fitness: {'Value': 77.0, 'Fit': 1000}
I_rate_fitness: {'Value': 9.731481481481, 'Fit': 7.590153778330142}
maxFitness: 1000
average_fitness: 544.5572653692161
average_scaled_fitness: 544.0958812723486

```

binSize: 7.5
gaussianSigma: 30.0
thresholdBurst: 1.0

