Data Directory: /NERSC/output/240511\_Run23\_4proc/gen\_0/gen\_0\_cand\_121\_data.json SimLabel: gen 0 cand 121 Generation Rank: 20/127 rate\_targets: {'E': {'target': 7.5, 'width': 2.5, 'min': 1}, 'I': {'target': 30, 'width': 10, 'min': 2}} burts\_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} weightll thresh\_target: {'target': 5, 'width': 1, 'min': 3, 'max': 7} weightIE weightEl sustained\_osci: {'target': 100, 'width': 5, 'min': 75} weightEE tau2\_inh burstAmp\_Fitness: {'Value': 0.22575132190977243, 'Fit': 1000.0} tau2\_exc burst\_peak\_frequency\_fitness: {'Value': 0.13400335008375208, 'Fit': 1000} IBI\_fitness: {'Value': 1500.0, 'Fit': 2.117000016612675} tau1\_inh baseline\_fitness: {'Value': 16.280074263627444, 'Fit': 1000} taul\_exc --- OPENIO O ARRIGIO CON ARRIGINA - CIE slopeFitness: {'Value': 4.378154668501573e-05, 'Fit': 1.0000875669271296} probLengthConst thresh: {'Value': 16.046901422188355, 'Fit': 1000} probli (BATTISTA CERROTIC - CONTINUES AND ARROY OF A STRUCT ARROY OF A STRUCT sustain\_oscillation\_fitness: {'Value': 86.3568215892054, 'Fit': 15.311982352138886} probIE E\_rate\_fitness: {'Value': 49.4999999999999, 'Fit': 1000} I rate fitness: {'Value': 0.6018518518518517, 'Fit': 1000} probEl maxFitness: 1000 probEE average\_fitness: 668.7143411039643 gnabar\_l (B) = 0 = 4880 + 0 = +0 <0 + 0888888300 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 <0 + 0 average scaled fitness: 668.382694760016 750 gnabar E (000) (00-00-00-000) - 000000 (00-0000 (00-0000 (00-0000 (00-00-00 (00-000 (00-000 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-000 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-000 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-000 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-00 (00-000 (00-00 (00-000) (00-000 (00-000 (00-000 (00-000 (00-000) (00-000 (00-000 (00-000) (00-000 (00-000) (00-000 (00-000) (00-000 (00-000) (00-000) (00-000 (00-000) ( 1000 akbar binSize: 7.5 gkbar E 1250 gaussianSigma: 30.0 propVelocity thresholdBurst: 1.0 1500 duration\_seconds 1750 0.0 0.2 1.0 0.4 0.8 2000 500 1000 1500 2500 3000 3500 4000 Normalized Param Value x (um) Network Activity Raster plot of spiking E0\_highFR soma voltage 250 Cell 0, Pop E Cell 280 Pon 200 12 -60 -80 2200 2400 I0\_highFR soma\_voltage 100 20 Cell 0, Pop E Cell 280, Pop I -20 50 -40 -60

12000

Time (ms)

14000

--- Peak Amplitude Target

4000

6000

8000

Time [ms]

10000

12000

14000

2000

4000

6000

8000

Time (ms)

10000

12000

14000

--- Baseline Target

2000