

| Description     | Value  |
|-----------------|--|
| Data Directory  | /NERSC/output/240522_Run4_it_srun_sims_2nodes/gen_0/gen_0_cand_2_data.json |
| SimLabel        | gen_0_cand_2   |
| Generation Rank | 14/64  |

| Criteria             | Targets   |
|----------------------|---|
|                      | {'cutoff' 1250, 'big_bursts' {'target' 1616.784, 'max' 1955.749, 'min' 1252.317, 'width' 350716.0, 'num_target' 31.25, 'num_min' 0}, 'lil_bursts' {'target' 402.633, 'max' 1205.884, 'min' 723.599, 'width' 1080641.25, 'num_target' 68.75, 'num_min' 0}} |
| burts_peak targets   |   |
| burst_peak_frequency | {'target': 0.11636363636363636, 'max': 1, 'min': 0}   |
| IBI targets          | {'target': 8.79, 'width': 11070.0, 'max': 24.6}   |
| baseline_targets     | {'target': 294.444, 'max': 724.599, 'min': 0}   |
| rate_slope           | {'target': 0.002497512709074353}  |
| sustained_osci       | {'target': 90.90303232255916}   |
| thresh_target        | {'target': 718.115, 'max': 724.599}   |
| rate_targets         | {'E': {'target': 0.8773666667, 'min': 0}, 'I': {'target': 4.7104651163, 'min': 2.6321000001}}   |

| Metric                       | Value  |
|------------------------------|--|
| BigBurstVal_Fitness          | {'Value': 13042.17890783102, 'Fit': 1000.0}              |
| numBig_Fitness               | {'Value': 6, 'Percent': 100.0, 'Fit': 1000}              |
| SmallBurstVal_Fitness        | {'Value': None, 'Fit': 1000}                             |
| numSmall_Fitness             | {'Value': 0, 'Percent': 0.0, 'Fit': 1000}                |
| burst_peak_frequency_fitness | {'Value': 0.410958904109589, 'Fit': 1.3425828621203695}  |
| IBI_fitness                  | {'Value': 2.62, 'Fit': 1.0005575300941028}               |
| baseline_fitness             | {'Value': 12752.780430303326, 'Fit': 1000}               |
| slopeFitness                 | {'Value': -1.4478005442528088, 'Fit': 4.264385355511366} |
| thresh                       | {'Value': 12593.670559936965, 'Fit': 1000}               |
| sustain_oscillation_fitness  | {'Value': 94.03973509933775, 'Fit': 23.027813703428244}  |
| E_rate_fitness               | {'Value': 35.53968253968254, 'Fit': 1000}                |
| I_rate_fitness               | {'Value': 22.962962962962965, 'Fit': 1000}               |
| maxFitness                   | 1000   |
| average_fitness              | 669.1362782875962  |
| average_scaled_fitness       | 0.668804898534895  |

| Parameter      | Value |
|----------------|-------|
| binSize        | 0.1   |
| gaussianSigma  | 0.15  |
| thresholdBurst | 1.0   |

