

| Description     | Value   |
|-----------------|---|
| Data Directory  | /NERSC/output/240523_Run9_it_srun_sims_8nodes/gen_0/gen_0_cand_42_data.json |
| SimLabel        | gen_0_cand_42   |
| Generation Rank | 0/6   |

| Criteria             | Targets   |
|----------------------|---|
| burts_peak_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}} |
| burst_peak_frequency | {'target': 0.11636363636363636, 'max': 1, 'min': 0}   |
| lBI_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': 2574.9924435452126, 'Fit': 1000.0}                         |
| numBig_Fitness               | {'Value': 1, 'Percent': 33.33333333333333, 'Fit': 8.031194996067219} |
| SmallBurstVal_Fitness        | {'Value': 1025.6723341826732, 'Fit': 1.0005767122377518}             |
| numSmall_Fitness             | {'Value': 2, 'Percent': 66.66666666666666, 'Fit': 8.031194996067335} |
| burst_peak_frequency_fitness | {'Value': 0.3225806451612903, 'Fit': 1.2290198831855432}             |
| lBI_fitness                  | {'Value': 4.300000000000001, 'Fit': 1.0004056977250397}              |
| baseline_fitness             | {'Value': 991.1134596332764, 'Fit': 1000}                            |
| slopeFitness                 | {'Value': -4.948592809216802, 'Fit': 141.32897402506427}             |
| thresh                       | {'Value': 1001.7203746655457, 'Fit': 1000}                           |
| sustain_oscillation_fitness  | {'Value': 60.264900662251655, 'Fit': 1000}                           |
| E_rate_fitness               | {'Value': 5.777777777777778, 'Fit': 134.3449905086514}               |
| I_rate_fitness               | {'Value': 2.824074074074074, 'Fit': 6.59522714407462}                |
| maxFitness                   | 1000   |
| average_fitness              | 358.46349067296836   |
| average_scaled_fitness       | 0.35782105119362334  |

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

