

| Description     | Value   |
|-----------------|---|
| Data Directory  | /NERSC/output/240523_Run9_it_srun_sims_8nodes/gen_7/gen_7_cand_57_data.json |
| SimLabel        | gen_7_cand_57   |
| Generation Rank | 2/6   |

| 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}, 'il_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': 1811.4187500399785, 'Fit': 154.69267771896077} |
| numBig_Fitness               | {'Value': 13, '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': 0.896551724137931, 'Fit': 2.181882612350708}   |
| IBI_fitness                  | {'Value': 1.1416666666666668, 'Fit': 1.0006911458563508} |
| baseline_fitness             | {'Value': 1673.3174892958207, 'Fit': 1000}               |
| slopeFitness                 | {'Value': 0.2753190989708805, 'Fit': 1.3136658478808856} |
| thresh                       | {'Value': 1654.295520305581, 'Fit': 1000}                |
| sustain_oscillation_fitness  | {'Value': 94.03973509933775, 'Fit': 23.027813703428244}  |
| E_rate_fitness               | {'Value': 3.5198412698412698, 'Fit': 14.047923666866442} |
| I_rate_fitness               | {'Value': 6.4907407407407405, 'Fit': 5.931491057213021}  |
| maxFitness                   | 1000   |
| average_fitness              | 433.51634547937965                                       |
| average_scaled_fitness       | 0.4329489024668302                                       |

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

