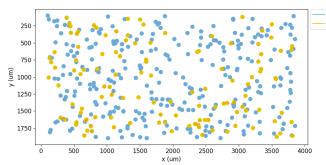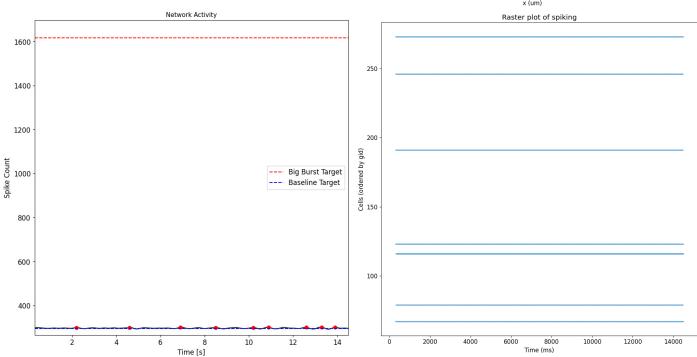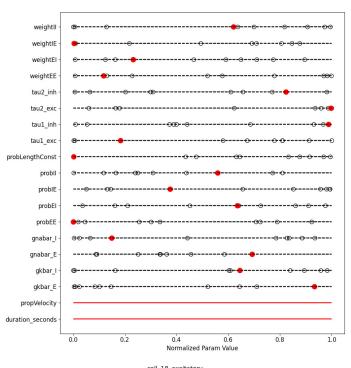| Description | Value |
|---|---|
| Data Directory | /NERSC/output/240523_Run11_payload_test_at_scale/gen_4/gen_4_cand_11_data.json |
| SimLabel | gen_4_cand_11 |
| Generation Rank | 1/10 |

| 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} |
| 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}} |

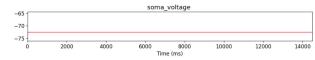| Metric | Value |
|---|---|
| BigBurstVal_Fitness | {'Value': None, 'Fit': 1000} |
| numBig_Fitness | {'Value': 0, 'Percent': 0.0, 'Fit': 1000} |
| SmallBurstVal_Fitness | {'Value': 299.8528169072039, 'Fit': 1000.0} |
| numSmall_Fitness | {'Value': 9, 'Percent': 100.0, 'Fit': 1000} |
| burst_peak_frequency_fitness | {'Value': 0.6206896551724138, 'Fit': 1.6558691196447686} |
| IBI_fitness | {'Value': 1.4625, 'Fit': 1.0006621450862034} |
| baseline_fitness | {'Value': 296.8139694330838, 'Fit': 10.697065302814778} |
| slopeFitness | {'Value': -0.0011838937263884321, 'Fit': 1.0036881911353255} |
| thresh | {'Value': 294.41603919116346, 'Fit': 1000} |
| sustain_oscillation_fitness | {'Value': 94.70198675496688, 'Fit': 44.654470808871295} |
| E_rate_fitness | {'Value': 1.0634920634920635, 'Fit': 1.2045733005351487} |
| I_rate_fitness | {'Value': 0.0, 'Fit': 1000} |
| maxFitness | 1000 |
| average_fitness | 505.018027405674 |
| average_scaled_fitness | 0.5045222215490467 |

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







Network Activity

Raster plot of spiking

cell_18_excitatory
soma_voltage

cell_204_inibitory
soma_voltage

cell_288_inibitory
soma_voltage

cell_331_inibitory
soma_voltage