Micro-Swarm Dump Report

dump_dir: dumps\Species_Battle_Run
prefix: species_battle
steps: 20
normalization: local

Summary over time
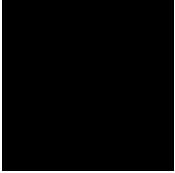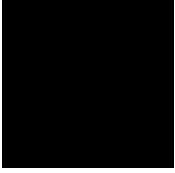
Field	mean	nonzero_ratio	norm_entropy
resources	(0.0150 .. 0.9843)	(0.0199 .. 1.0000)	(0.0400 .. 0.8069)
phero_food	(0.0000 .. 0.0221)	(0.0000 .. 0.9986)	(0.0000 .. 0.7322)
phero_danger	(0.0000 .. 0.0001)	(0.0000 .. 0.0239)	(0.0000 .. 0.0360)
molecules	(0.0000 .. 0.0006)	(0.0000 .. 0.2227)	(0.0000 .. 0.2035)
mycel	(0.0000 .. 0.6999)	(0.0000 .. 1.0000)	(0.0000 .. 0.8822)

System over time
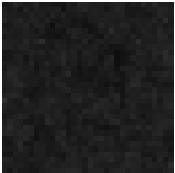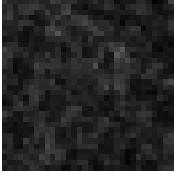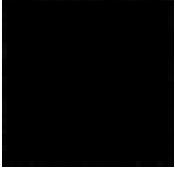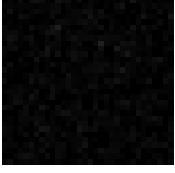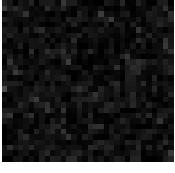
| Metric	Sparkline
dna_global_size	(0.0000 .. 128.0000)
dna_s0	(0.0000 .. 256.0000)
dna_s1	(0.0000 .. 256.0000)
dna_s2	(0.0000 .. 256.0000)
dna_s3	(0.0000 .. 256.0000)
energy_s0	(0.3935 .. 1.3004)
energy_s1	(0.3988 .. 1.3152)
energy_s2	(0.3897 .. 1.3253)
energy_s3	(0.3674 .. 1.3172)

Step 0
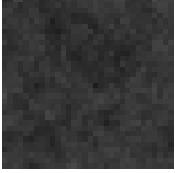
Field	CSV	Stats	Preview
resources	species_battle_step000000_resources.csv	min=0.0000 max=1.0000 mean=0.0150 stddev=0.1071 nonzero_ratio=0.0199 p95=0.0000 entropy=0.1663 norm_entropy=0.0400	
phero_food	species_battle_step000000_phero_food.csv	min=0.0000 max=0.0000 mean=0.0000 stddev=0.0000 nonzero_ratio=0.0000 p95=0.0000 entropy=0.0000 norm_entropy=0.0000	
phero_danger	species_battle_step000000_phero_danger.csv	min=0.0000 max=0.0000 mean=0.0000 stddev=0.0000 nonzero_ratio=0.0000 p95=0.0000 entropy=0.0000 norm_entropy=0.0000	
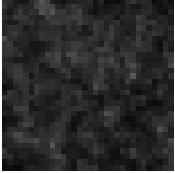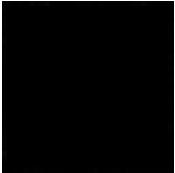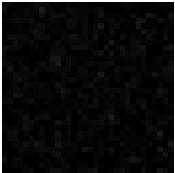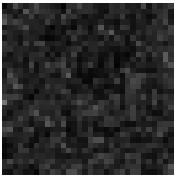
molecules	species_battle_step000000_molecules.csv	min=0.0000 max=0.0000 mean=0.0000 stddev=0.0000 nonzero_ratio=0.0000 p95=0.0000 entropy=0.0000 norm_entropy=0.0000	
mycel	species_battle_step000000_mycel.csv	min=0.0000 max=0.0000 mean=0.0000 stddev=0.0000 nonzero_ratio=0.0000 p95=0.0000 entropy=0.0000 norm_entropy=0.0000	

Step 100
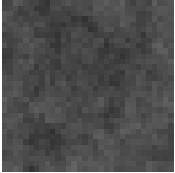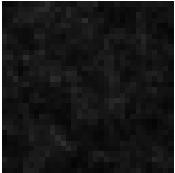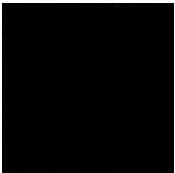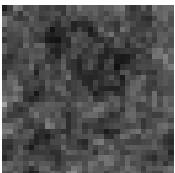
Field	CSV	Stats	Preview
resources	species_battle_step000100_resources.csv	min=0.0020 max=1.0000 mean=0.1165 stddev=0.1070 nonzero_ratio=1.0000 p95=0.1500 entropy=2.0457 norm_entropy=0.4919	
phero_food	species_battle_step000100_phero_food.csv	min=0.0000 max=0.1240 mean=0.0167 stddev=0.0107 nonzero_ratio=0.9939 p95=0.0370 entropy=2.9293 norm_entropy=0.7044	
phero_danger	species_battle_step000100_phero_danger.csv	min=0.0000 max=0.0350 mean=0.0000 stddev=0.0006 nonzero_ratio=0.0171 p95=0.0000 entropy=0.1151 norm_entropy=0.0277	
molecules	species_battle_step000100_molecules.csv	min=0.0000 max=0.0250 mean=0.0005 stddev=0.0016 nonzero_ratio=0.2158 p95=0.0020 entropy=0.8273 norm_entropy=0.1989	
mycel	species_battle_step000100_mycel.csv	min=0.0000 max=0.1250 mean=0.0084 stddev=0.0131 nonzero_ratio=0.8053 p95=0.0320 entropy=2.3946 norm_entropy=0.5758	

Step 200
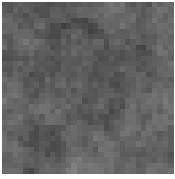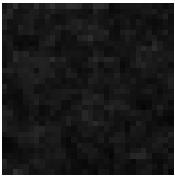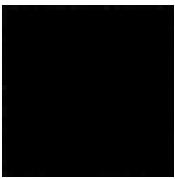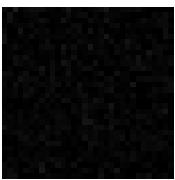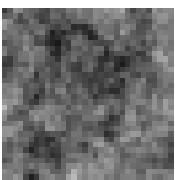
Field	CSV	Stats	Preview
resources	species_battle_step000200_resources.csv	min=0.0020 max=1.0000 mean=0.2045 stddev=0.1124 nonzero_ratio=1.0000 p95=0.3000 entropy=2.5834 norm_entropy=0.6212	

Field	CSV	Stats	Preview
phero_food	species_battle_step000200_phero_food.csv	min=0.0000 max=0.1380 mean=0.0211 stddev=0.0114 nonzero_ratio=0.9970 p95=0.0430 entropy=2.9164 norm_entropy=0.7013	
phero_danger	species_battle_step000200_phero_danger.csv	min=0.0000 max=0.0690 mean=0.0001 stddev=0.0007 nonzero_ratio=0.0189 p95=0.0000 entropy=0.0602 norm_entropy=0.0145	
molecules	species_battle_step000200_molecules.csv	min=0.0000 max=0.0250 mean=0.0005 stddev=0.0017 nonzero_ratio=0.2217 p95=0.0030 entropy=0.8434 norm_entropy=0.2028	
mycel	species_battle_step000200_mycel.csv	min=0.0010 max=0.1650 mean=0.0244 stddev=0.0175 nonzero_ratio=1.0000 p95=0.0560 entropy=3.0559 norm_entropy=0.7348	
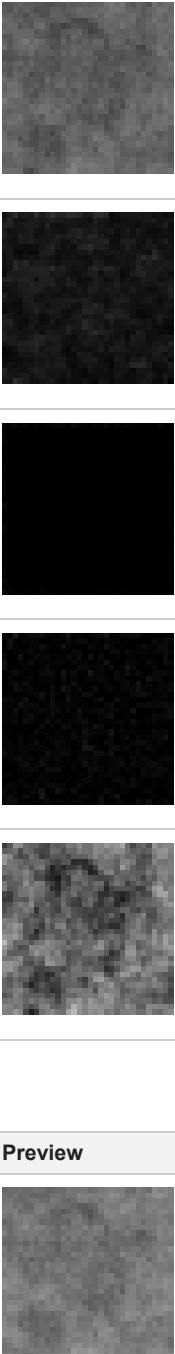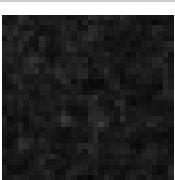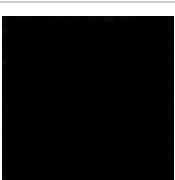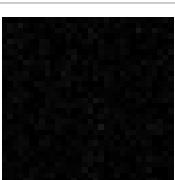
## Step 300
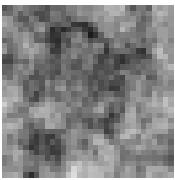
| Field	CSV	Stats	Preview
resources	species_battle_step000300_resources.csv	min=0.0020 max=1.0000 mean=0.2916 stddev=0.1181 nonzero_ratio=1.0000 p95=0.4100 entropy=2.8544 norm_entropy=0.6863	
phero_food	species_battle_step000300_phero_food.csv	min=0.0000 max=0.2840 mean=0.0219 stddev=0.0119 nonzero_ratio=0.9979 p95=0.0440 entropy=2.2411 norm_entropy=0.5389	
phero_danger	species_battle_step000300_phero_danger.csv	min=0.0000 max=0.1200 mean=0.0001 stddev=0.0009 nonzero_ratio=0.0229 p95=0.0000 entropy=0.0677 norm_entropy=0.0163	
molecules	species_battle_step000300_molecules.csv	min=0.0000 max=0.0250 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2193 p95=0.0030 entropy=0.8438 norm_entropy=0.2029	
mycel	species_battle_step000300_mycel.csv	min=0.0150 max=0.2400 mean=0.0801 stddev=0.0243 nonzero_ratio=1.0000 p95=0.1210 entropy=3.3199 norm_entropy=0.7983	

Step 400
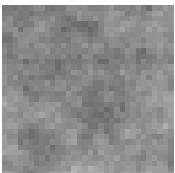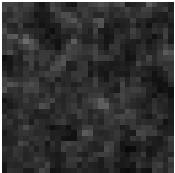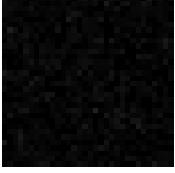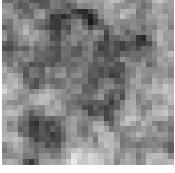
| Field	CSV	Stats	Preview
resources	species_battle_step000400_resources.csv	min=0.0020 max=1.0000 mean=0.3784 stddev=0.1229 nonzero_ratio=1.0000 p95=0.5200 entropy=3.0168 norm_entropy=0.7254	
phero_food	species_battle_step000400_phero_food.csv	min=0.0000 max=0.2590 mean=0.0221 stddev=0.0116 nonzero_ratio=0.9984 p95=0.0430 entropy=2.3272 norm_entropy=0.5596	
phero_danger	species_battle_step000400_phero_danger.csv	min=0.0000 max=0.0570 mean=0.0001 stddev=0.0008 nonzero_ratio=0.0229 p95=0.0000 entropy=0.1454 norm_entropy=0.0350	
molecules	species_battle_step000400_molecules.csv	min=0.0000 max=0.0270 mean=0.0005 stddev=0.0017 nonzero_ratio=0.2194 p95=0.0030 entropy=0.8389 norm_entropy=0.2017	
mycel	species_battle_step000400_mycel.csv	min=0.0660 max=0.3260 mean=0.1697 stddev=0.0327 nonzero_ratio=1.0000 p95=0.2210 entropy=3.4974 norm_entropy=0.8409	

Step 500

| Field	CSV	Stats	Preview
resources	species_battle_step000500_resources.csv	min=0.0030 max=1.0000 mean=0.4648 stddev=0.1265 nonzero_ratio=1.0000 p95=0.6300 entropy=3.1262 norm_entropy=0.7517	
phero_food	species_battle_step000500_phero_food.csv	min=0.0000 max=0.2210 mean=0.0221 stddev=0.0114 nonzero_ratio=0.9982 p95=0.0440 entropy=2.4437 norm_entropy=0.5876	
phero_danger	species_battle_step000500_phero_danger.csv	min=0.0000 max=0.0540 mean=0.0001 stddev=0.0007 nonzero_ratio=0.0225 p95=0.0000 entropy=0.1421 norm_entropy=0.0342	
molecules	species_battle_step000500_molecules.csv	min=0.0000 max=0.0310 mean=0.0005 stddev=0.0017 nonzero_ratio=0.2196 p95=0.0020 entropy=0.8406 norm_entropy=0.2021	
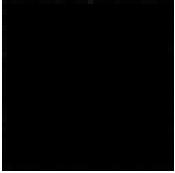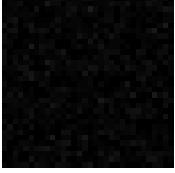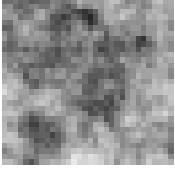
mycel	species_battle_step000500_mycel.csv	min=0.1420 max=0.4110 mean=0.2730 stddev=0.0382 nonzero_ratio=1.0000 p95=0.3330 entropy=3.6154 norm_entropy=0.8693	

## Step 600
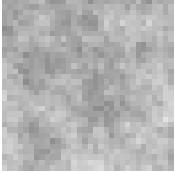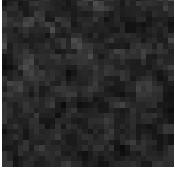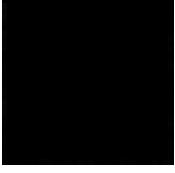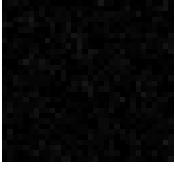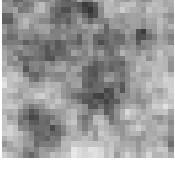
Field	CSV	Stats	Preview
resources	species_battle_step000600_resources.csv	min=0.0250 max=1.0000 mean=0.5509 stddev=0.1304 nonzero_ratio=1.0000 p95=0.7400 entropy=3.2377 norm_entropy=0.7785	
phero_food	species_battle_step000600_phero_food.csv	min=0.0000 max=0.1260 mean=0.0221 stddev=0.0118 nonzero_ratio=0.9983 p95=0.0440 entropy=3.0450 norm_entropy=0.7322	
phero_danger	species_battle_step000600_phero_danger.csv	min=0.0000 max=0.0370 mean=0.0001 stddev=0.0007 nonzero_ratio=0.0235 p95=0.0000 entropy=0.1466 norm_entropy=0.0353	
molecules	species_battle_step000600_molecules.csv	min=0.0000 max=0.0220 mean=0.0005 stddev=0.0017 nonzero_ratio=0.2202 p95=0.0030 entropy=0.8407 norm_entropy=0.2021	
mycel	species_battle_step000600_mycel.csv	min=0.2410 max=0.5000 mean=0.3731 stddev=0.0388 nonzero_ratio=1.0000 p95=0.4340 entropy=3.6690 norm_entropy=0.8822	

Step 700

Field	CSV	Stats	Preview
resources	species_battle_step000700_resources.csv	min=0.0220 max=1.0000 mean=0.6369 stddev=0.1346 nonzero_ratio=1.0000 p95=0.8500 entropy=3.2963 norm_entropy=0.7926	
phero_food	species_battle_step000700_phero_food.csv	min=0.0000 max=0.2150 mean=0.0221 stddev=0.0117 nonzero_ratio=0.9986 p95=0.0440 entropy=2.4912 norm_entropy=0.5990	
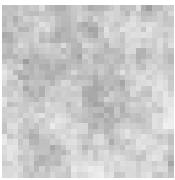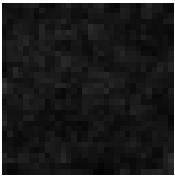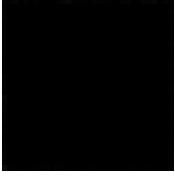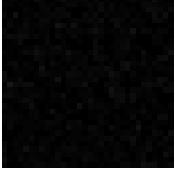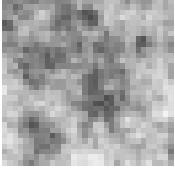
Field	CSV	Stats	Preview
phero_danger	species_battle_step000700_phero_danger.csv	min=0.0000 max=0.0610 mean=0.0001 stddev=0.0008 nonzero_ratio=0.0239 p95=0.0000 entropy=0.1499 norm_entropy=0.0360	
molecules	species_battle_step000700_molecules.csv	min=0.0000 max=0.0240 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2224 p95=0.0030 entropy=0.8454 norm_entropy=0.2033	
mycel	species_battle_step000700_mycel.csv	min=0.3230 max=0.5740 mean=0.4606 stddev=0.0360 nonzero_ratio=1.0000 p95=0.5160 entropy=3.6212 norm_entropy=0.8707	

Step 800
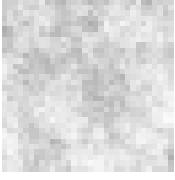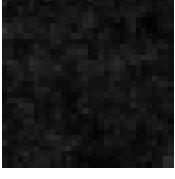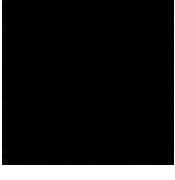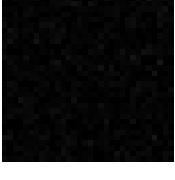
| Field	CSV	Stats	Preview
resources	species_battle_step000800_resources.csv	min=0.0790 max=1.0000 mean=0.7224 stddev=0.1385 nonzero_ratio=1.0000 p95=0.9600 entropy=3.3558 norm_entropy=0.8069	
phero_food	species_battle_step000800_phero_food.csv	min=0.0000 max=0.1430 mean=0.0219 stddev=0.0110 nonzero_ratio=0.9984 p95=0.0420 entropy=2.8440 norm_entropy=0.6838	
phero_danger	species_battle_step000800_phero_danger.csv	min=0.0000 max=0.0570 mean=0.0001 stddev=0.0007 nonzero_ratio=0.0222 p95=0.0000 entropy=0.1412 norm_entropy=0.0339	
molecules	species_battle_step000800_molecules.csv	min=0.0000 max=0.0270 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2196 p95=0.0030 entropy=0.8426 norm_entropy=0.2026	
mycel	species_battle_step000800_mycel.csv	min=0.4030 max=0.6260 mean=0.5323 stddev=0.0321 nonzero_ratio=1.0000 p95=0.5810 entropy=3.6158 norm_entropy=0.8694	
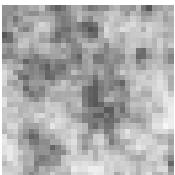
Step 900

Field	CSV	Stats	Preview
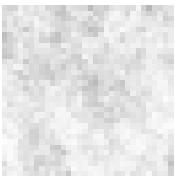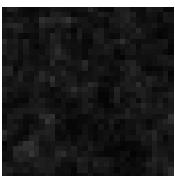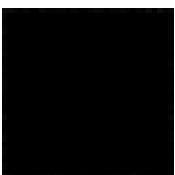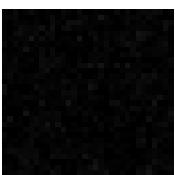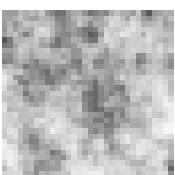
| Field	CSV	Stats	Preview
resources	species_battle_step000900_resources.csv	min=0.0740 max=1.0000 mean=0.8034 stddev=0.1366 nonzero_ratio=1.0000 p95=1.0000 entropy=3.2277 norm_entropy=0.7761	
phero_food	species_battle_step000900_phero_food.csv	min=0.0000 max=0.2410 mean=0.0199 stddev=0.0107 nonzero_ratio=0.9984 p95=0.0400 entropy=2.2917 norm_entropy=0.5510	
phero_danger	species_battle_step000900_phero_danger.csv	min=0.0000 max=0.0750 mean=0.0001 stddev=0.0008 nonzero_ratio=0.0217 p95=0.0000 entropy=0.0686 norm_entropy=0.0165	
molecules	species_battle_step000900_molecules.csv	min=0.0000 max=0.0330 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2227 p95=0.0030 entropy=0.8461 norm_entropy=0.2034	
mycel	species_battle_step000900_mycel.csv	min=0.4650 max=0.6570 mean=0.5882 stddev=0.0275 nonzero_ratio=1.0000 p95=0.6290 entropy=3.5677 norm_entropy=0.8579	

Step 1000
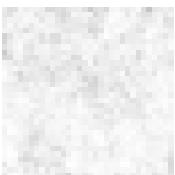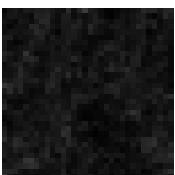
Field	CSV	Stats	Preview
resources	species_battle_step001000_resources.csv	min=0.1480 max=1.0000 mean=0.8716 stddev=0.1233 nonzero_ratio=1.0000 p95=1.0000 entropy=2.9899 norm_entropy=0.7189	
phero_food	species_battle_step001000_phero_food.csv	min=0.0000 max=0.2200 mean=0.0170 stddev=0.0105 nonzero_ratio=0.9973 p95=0.0370 entropy=2.3336 norm_entropy=0.5611	
phero_danger	species_battle_step001000_phero_danger.csv	min=0.0000 max=0.0540 mean=0.0001 stddev=0.0007 nonzero_ratio=0.0234 p95=0.0000 entropy=0.1461 norm_entropy=0.0351	
molecules	species_battle_step001000_molecules.csv	min=0.0000 max=0.0300 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2205 p95=0.0030 entropy=0.8439 norm_entropy=0.2029	
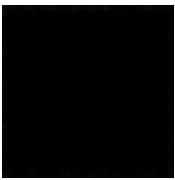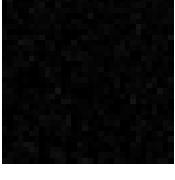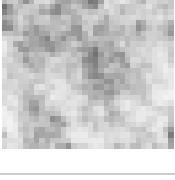
Field	CSV	Stats	Preview
mycel	species_battle_step001000_mycel.csv	min=0.5270 max=0.6800 mean=0.6293 stddev=0.0221 nonzero_ratio=1.0000 p95=0.6620 entropy=3.5890 norm_entropy=0.8630	

Step 1100
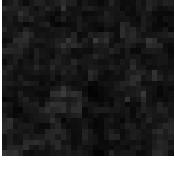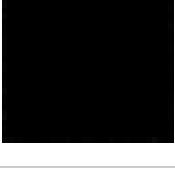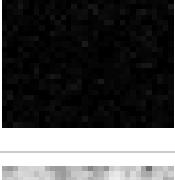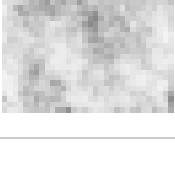
| Field	CSV	Stats	Preview
resources	species_battle_step001100_resources.csv	min=0.2490 max=1.0000 mean=0.9213 stddev=0.1007 nonzero_ratio=1.0000 p95=1.0000 entropy=2.5719 norm_entropy=0.6184	
phero_food	species_battle_step001100_phero_food.csv	min=0.0000 max=0.1870 mean=0.0151 stddev=0.0106 nonzero_ratio=0.9964 p95=0.0350 entropy=2.4567 norm_entropy=0.5907	
phero_danger	species_battle_step001100_phero_danger.csv	min=0.0000 max=0.0340 mean=0.0001 stddev=0.0007 nonzero_ratio=0.0208 p95=0.0000 entropy=0.1322 norm_entropy=0.0318	
molecules	species_battle_step001100_molecules.csv	min=0.0000 max=0.0320 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2220 p95=0.0030 entropy=0.8462 norm_entropy=0.2035	
mycel	species_battle_step001100_mycel.csv	min=0.5700 max=0.6930 mean=0.6578 stddev=0.0166 nonzero_ratio=1.0000 p95=0.6810 entropy=3.5150 norm_entropy=0.8452	

Step 1200

Field	CSV	Stats	Preview
resources	species_battle_step001200_resources.csv	min=0.2390 max=1.0000 mean=0.9524 stddev=0.0772 nonzero_ratio=1.0000 p95=1.0000 entropy=2.0936 norm_entropy=0.5034	
phero_food	species_battle_step001200_phero_food.csv	min=0.0000 max=0.1780 mean=0.0146 stddev=0.0107 nonzero_ratio=0.9946 p95=0.0350 entropy=2.5049 norm_entropy=0.6023	
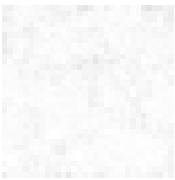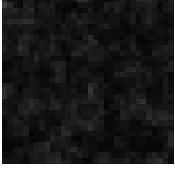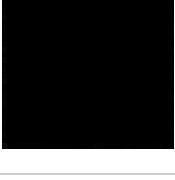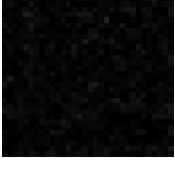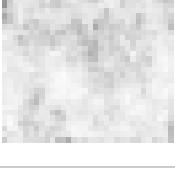
Field	CSV	Stats	Preview
phero_danger	species_battle_step001200_phero_danger.csv	min=0.0000 max=0.0400 mean=0.0001 stddev=0.0006 nonzero_ratio=0.0223 p95=0.0000 entropy=0.1409 norm_entropy=0.0339	
molecules	species_battle_step001200_molecules.csv	min=0.0000 max=0.0320 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2216 p95=0.0030 entropy=0.8439 norm_entropy=0.2029	
mycel	species_battle_step001200_mycel.csv	min=0.5960 max=0.7010 mean=0.6764 stddev=0.0115 nonzero_ratio=1.0000 p95=0.6920 entropy=3.2436 norm_entropy=0.7799	

Step 1300
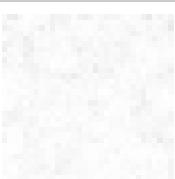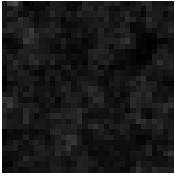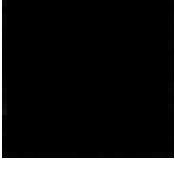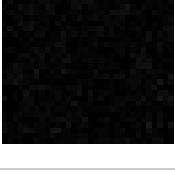
| Field	CSV	Stats	Preview
resources	species_battle_step001300_resources.csv	min=0.1890 max=1.0000 mean=0.9692 stddev=0.0575 nonzero_ratio=1.0000 p95=1.0000 entropy=1.7092 norm_entropy=0.4110	
phero_food	species_battle_step001300_phero_food.csv	min=0.0000 max=0.1590 mean=0.0145 stddev=0.0104 nonzero_ratio=0.9944 p95=0.0340 entropy=2.5999 norm_entropy=0.6251	
phero_danger	species_battle_step001300_phero_danger.csv	min=0.0000 max=0.0380 mean=0.0001 stddev=0.0006 nonzero_ratio=0.0201 p95=0.0000 entropy=0.1293 norm_entropy=0.0311	
molecules	species_battle_step001300_molecules.csv	min=0.0000 max=0.0250 mean=0.0005 stddev=0.0017 nonzero_ratio=0.2186 p95=0.0030 entropy=0.8416 norm_entropy=0.2024	
mycel	species_battle_step001300_mycel.csv	min=0.6240 max=0.7030 mean=0.6875 stddev=0.0075 nonzero_ratio=1.0000 p95=0.6970 entropy=3.0483 norm_entropy=0.7330	
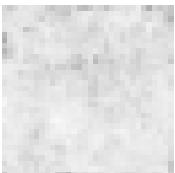
Step 1400

Field	CSV	Stats	Preview
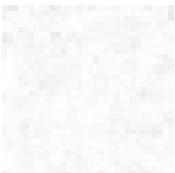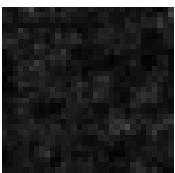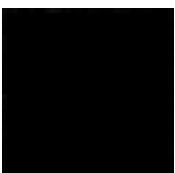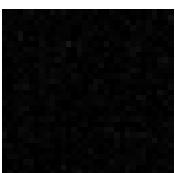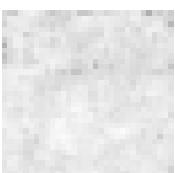
|	resources	species_battle_step001400_resources.csv	min=0.1000 max=1.0000 mean=0.9774 stddev=0.0443 nonzero_ratio=1.0000 p95=1.0000 entropy=1.4316 norm_entropy=0.3442	
	phero_food	species_battle_step001400_phero_food.csv	min=0.0000 max=0.1800 mean=0.0144 stddev=0.0104 nonzero_ratio=0.9947 p95=0.0340 entropy=2.4643 norm_entropy=0.5925	
	phero_danger	species_battle_step001400_phero_danger.csv	min=0.0000 max=0.0470 mean=0.0001 stddev=0.0006 nonzero_ratio=0.0213 p95=0.0000 entropy=0.1345 norm_entropy=0.0323	
	molecules	species_battle_step001400_molecules.csv	min=0.0000 max=0.0220 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2193 p95=0.0030 entropy=0.8432 norm_entropy=0.2028	
	mycel	species_battle_step001400_mycel.csv	min=0.6340 max=0.7020 mean=0.6937 stddev=0.0048 nonzero_ratio=1.0000 p95=0.6990 entropy=2.7985 norm_entropy=0.6729	

Step 1500
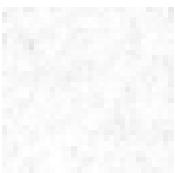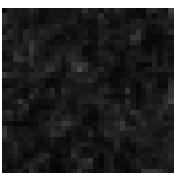
Field	CSV	Stats	Preview
resources	species_battle_step001500_resources.csv	min=0.2100 max=1.0000 mean=0.9814 stddev=0.0361 nonzero_ratio=1.0000 p95=1.0000 entropy=1.3903 norm_entropy=0.3343	
phero_food	species_battle_step001500_phero_food.csv	min=0.0000 max=0.1630 mean=0.0145 stddev=0.0105 nonzero_ratio=0.9936 p95=0.0340 entropy=2.6054 norm_entropy=0.6265	
phero_danger	species_battle_step001500_phero_danger.csv	min=0.0000 max=0.0340 mean=0.0000 stddev=0.0006 nonzero_ratio=0.0185 p95=0.0000 entropy=0.1194 norm_entropy=0.0287	
molecules	species_battle_step001500_molecules.csv	min=0.0000 max=0.0270 mean=0.0005 stddev=0.0017 nonzero_ratio=0.2193 p95=0.0030 entropy=0.8402 norm_entropy=0.2020	
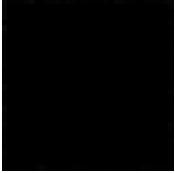
| mycel | species_battle_step001500_mycel.csv | min=0.6350
max=0.7050
mean=0.6970
stddev=0.0033
nonzero_ratio=1.0000
p95=0.7010
entropy=2.3460
norm_entropy=0.5641 | |

Step 1600
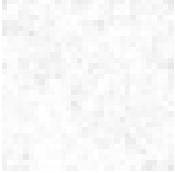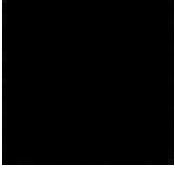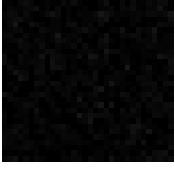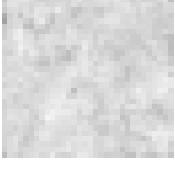
Field	CSV	Stats	Preview
resources	species_battle_step001600_resources.csv	min=0.2800 max=1.0000 mean=0.9830 stddev=0.0320 nonzero_ratio=1.0000 p95=1.0000 entropy=1.3924 norm_entropy=0.3348	
phero_food	species_battle_step001600_phero_food.csv	min=0.0000 max=0.1560 mean=0.0145 stddev=0.0105 nonzero_ratio=0.9935 p95=0.0350 entropy=2.6261 norm_entropy=0.6315	
phero_danger	species_battle_step001600_phero_danger.csv	min=0.0000 max=0.0450 mean=0.0000 stddev=0.0007 nonzero_ratio=0.0178 p95=0.0000 entropy=0.1165 norm_entropy=0.0280	
molecules	species_battle_step001600_molecules.csv	min=0.0000 max=0.0370 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2208 p95=0.0030 entropy=0.8426 norm_entropy=0.2026	
mycel	species_battle_step001600_mycel.csv	min=0.6510 max=0.7040 mean=0.6986 stddev=0.0024 nonzero_ratio=1.0000 p95=0.7020 entropy=2.1202 norm_entropy=0.5098	

Step 1700

| Field	CSV	Stats	Preview
resources	species_battle_step001700_resources.csv	min=0.3500 max=1.0000 mean=0.9840 stddev=0.0296 nonzero_ratio=1.0000 p95=1.0000 entropy=1.4139 norm_entropy=0.3400	
phero_food	species_battle_step001700_phero_food.csv	min=0.0000 max=0.1550 mean=0.0145 stddev=0.0105 nonzero_ratio=0.9943 p95=0.0350 entropy=2.6229 norm_entropy=0.6307	
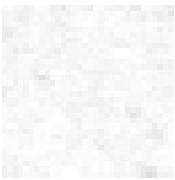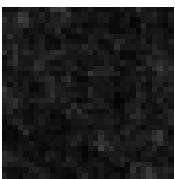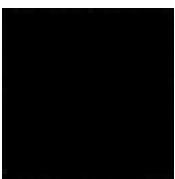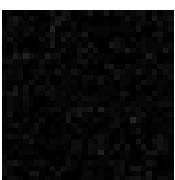
phero_danger	species_battle_step001700_phero_danger.csv	min=0.0000 max=0.0530 mean=0.0001 stddev=0.0007 nonzero_ratio=0.0195 p95=0.0000 entropy=0.1264 norm_entropy=0.0304	
molecules	species_battle_step001700_molecules.csv	min=0.0000 max=0.0270 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2223 p95=0.0030 entropy=0.8464 norm_entropy=0.2035	
mycel	species_battle_step001700_mycel.csv	min=0.6670 max=0.7050 mean=0.6994 stddev=0.0020 nonzero_ratio=1.0000 p95=0.7020 entropy=2.0025 norm_entropy=0.4815	

Step 1800

Field	CSV	Stats	Preview
resources	species_battle_step001800_resources.csv	min=0.4200 max=1.0000 mean=0.9842 stddev=0.0290 nonzero_ratio=1.0000 p95=1.0000 entropy=1.4684 norm_entropy=0.3531	
phero_food	species_battle_step001800_phero_food.csv	min=0.0000 max=0.2250 mean=0.0145 stddev=0.0103 nonzero_ratio=0.9944 p95=0.0340 entropy=2.2504 norm_entropy=0.5411	
phero_danger	species_battle_step001800_phero_danger.csv	min=0.0000 max=0.0570 mean=0.0001 stddev=0.0007 nonzero_ratio=0.0211 p95=0.0000 entropy=0.1362 norm_entropy=0.0328	
molecules	species_battle_step001800_molecules.csv	min=0.0000 max=0.0270 mean=0.0006 stddev=0.0017 nonzero_ratio=0.2213 p95=0.0030 entropy=0.8447 norm_entropy=0.2031	
mycel	species_battle_step001800_mycel.csv	min=0.6710 max=0.7050 mean=0.6998 stddev=0.0018 nonzero_ratio=1.0000 p95=0.7020 entropy=1.9074 norm_entropy=0.4586	

Step 1900

Field	CSV	Stats	Preview

resources	species_battle_step001900_resources.csv	min=0.4650 max=1.0000 mean=0.9843 stddev=0.0284 nonzero_ratio=1.0000 p95=1.0000 entropy=1.5124 norm_entropy=0.3637	
phero_food	species_battle_step001900_phero_food.csv	min=0.0000 max=0.1520 mean=0.0144 stddev=0.0102 nonzero_ratio=0.9947 p95=0.0340 entropy=2.6254 norm_entropy=0.6313	
phero_danger	species_battle_step001900_phero_danger.csv	min=0.0000 max=0.0660 mean=0.0001 stddev=0.0008 nonzero_ratio=0.0217 p95=0.0000 entropy=0.0688 norm_entropy=0.0165	
molecules	species_battle_step001900_molecules.csv	min=0.0000 max=0.0220 mean=0.0005 stddev=0.0017 nonzero_ratio=0.2201 p95=0.0030 entropy=0.8425 norm_entropy=0.2026	
mycel	species_battle_step001900_mycel.csv	min=0.6710 max=0.7050 mean=0.6999 stddev=0.0018 nonzero_ratio=1.0000 p95=0.7020 entropy=1.8711 norm_entropy=0.4499	