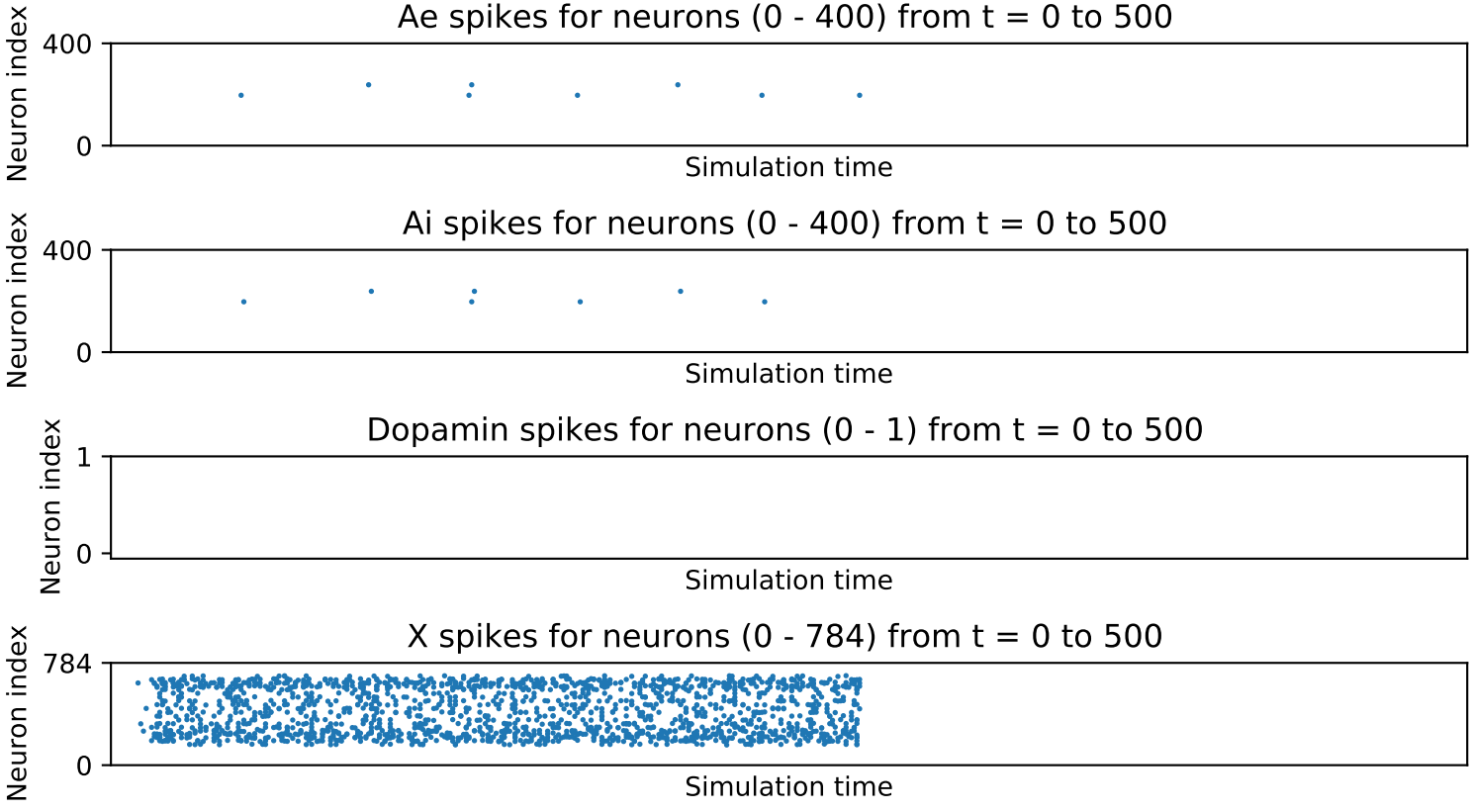
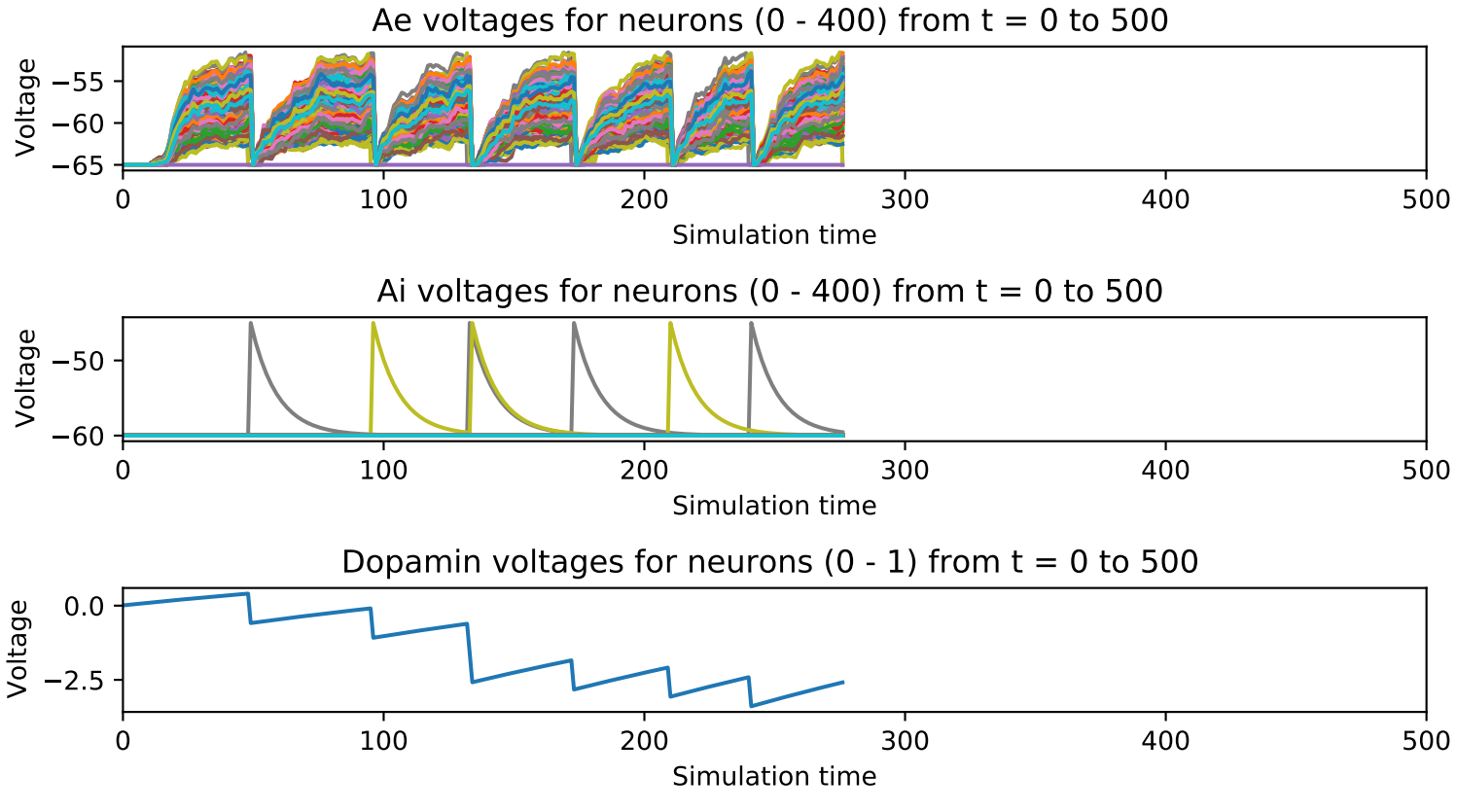
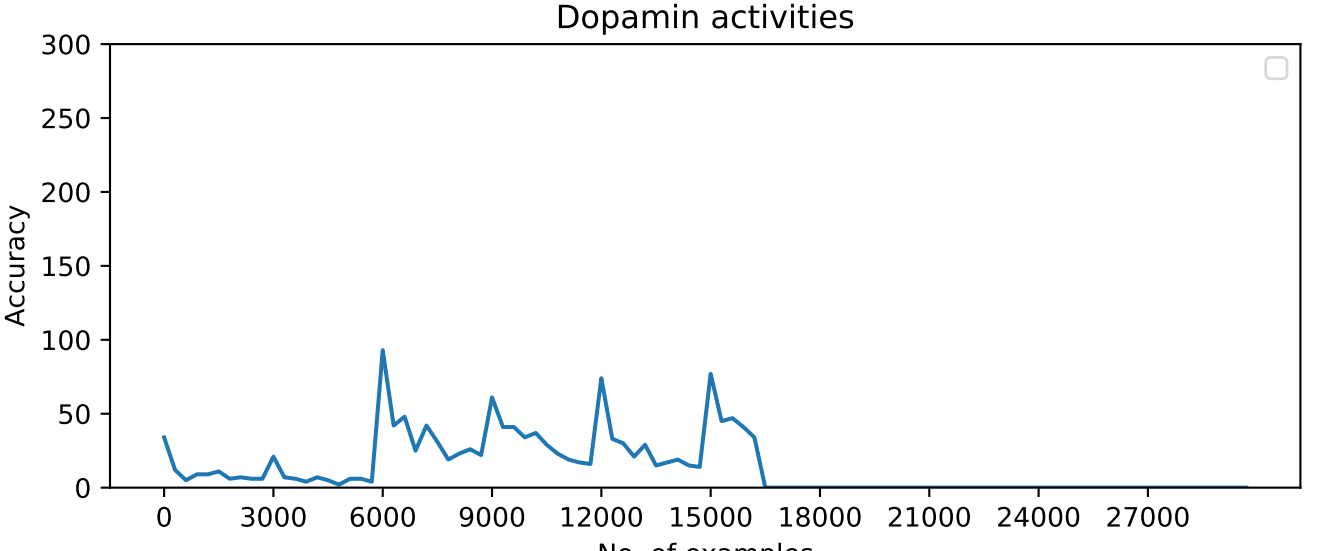
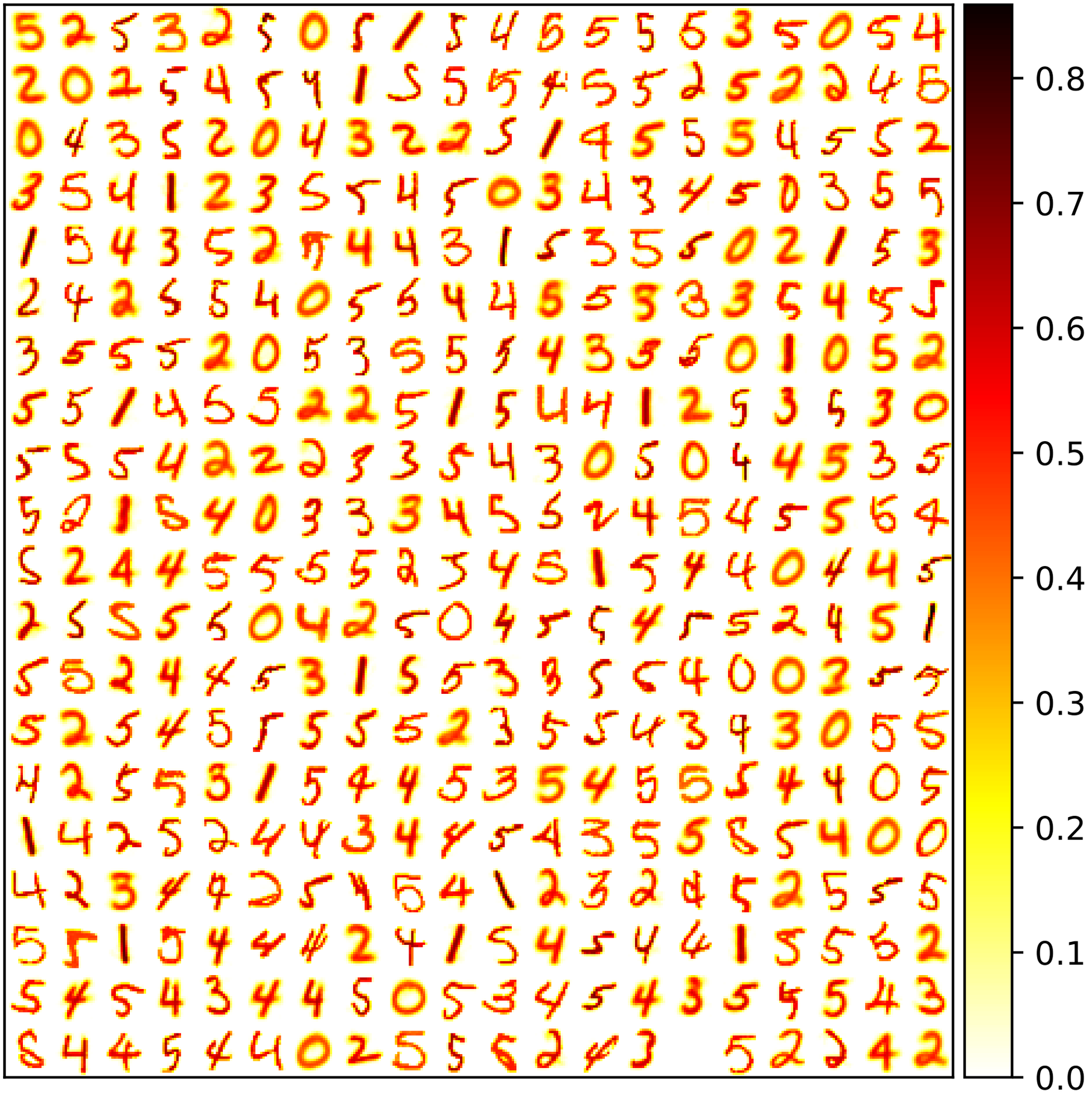
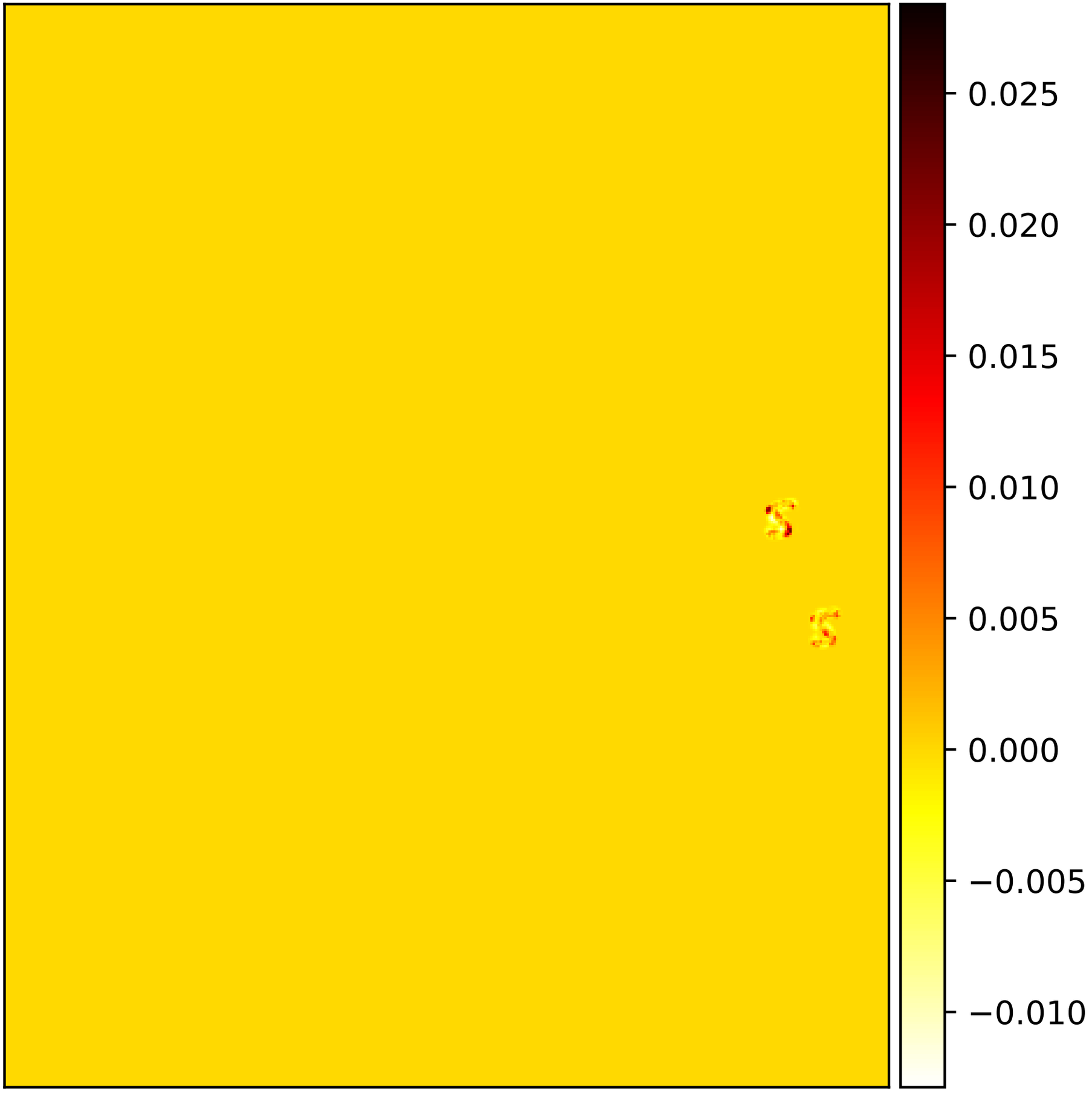
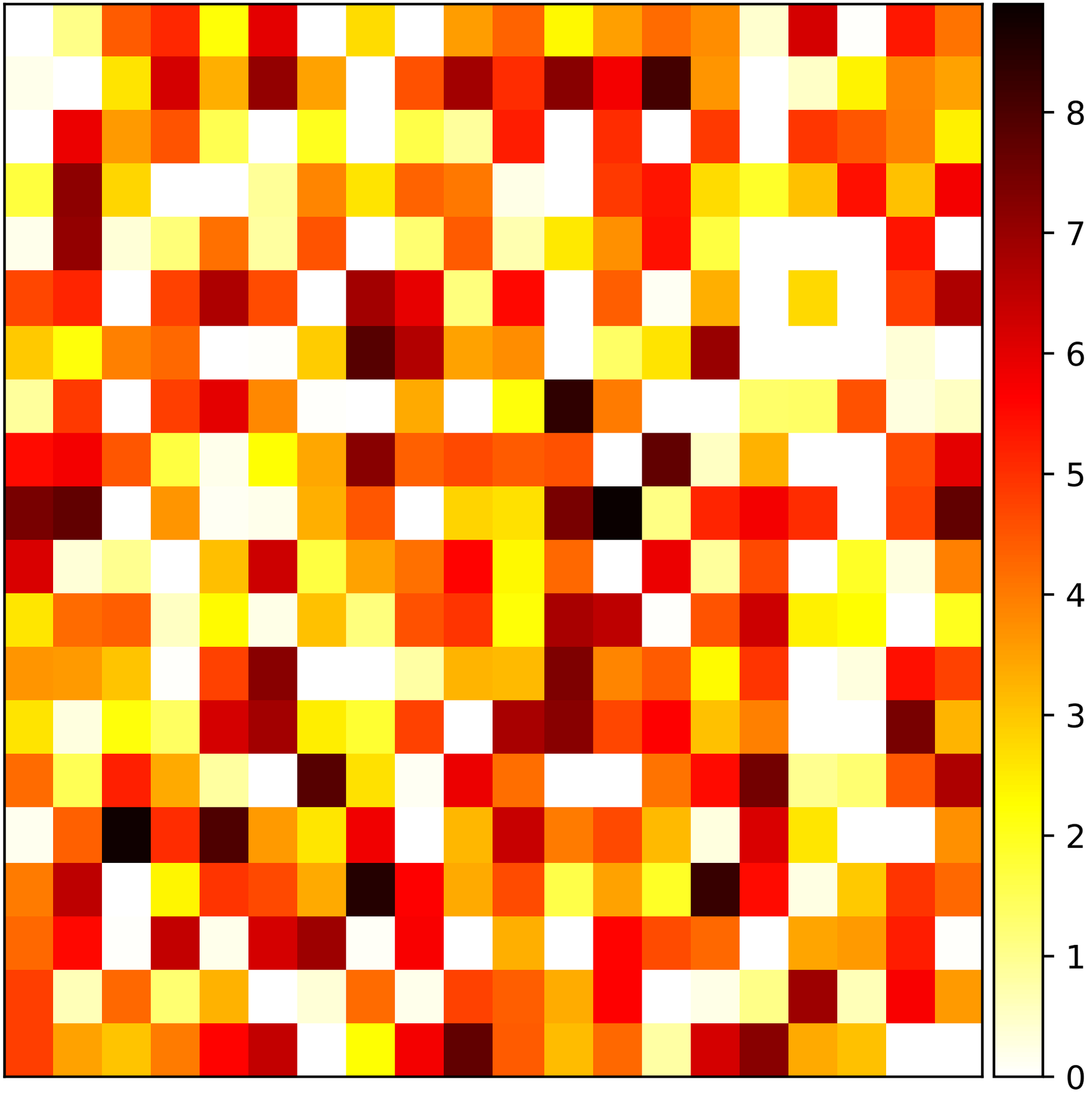

Ae spikes for neurons (0 - 400) from t = 0 to 500
Neuron index
400
0
Simulation time
Ai spikes for neurons (0 - 400) from t = 0 to 500
Neuron index
400
0
Simulation time
Dopamin spikes for neurons (0 - 1) from t = 0 to 500
Neuron index
1
0
Simulation time
X spikes for neurons (0 - 784) from t = 0 to 500
Neuron index
784
0
Simulation time

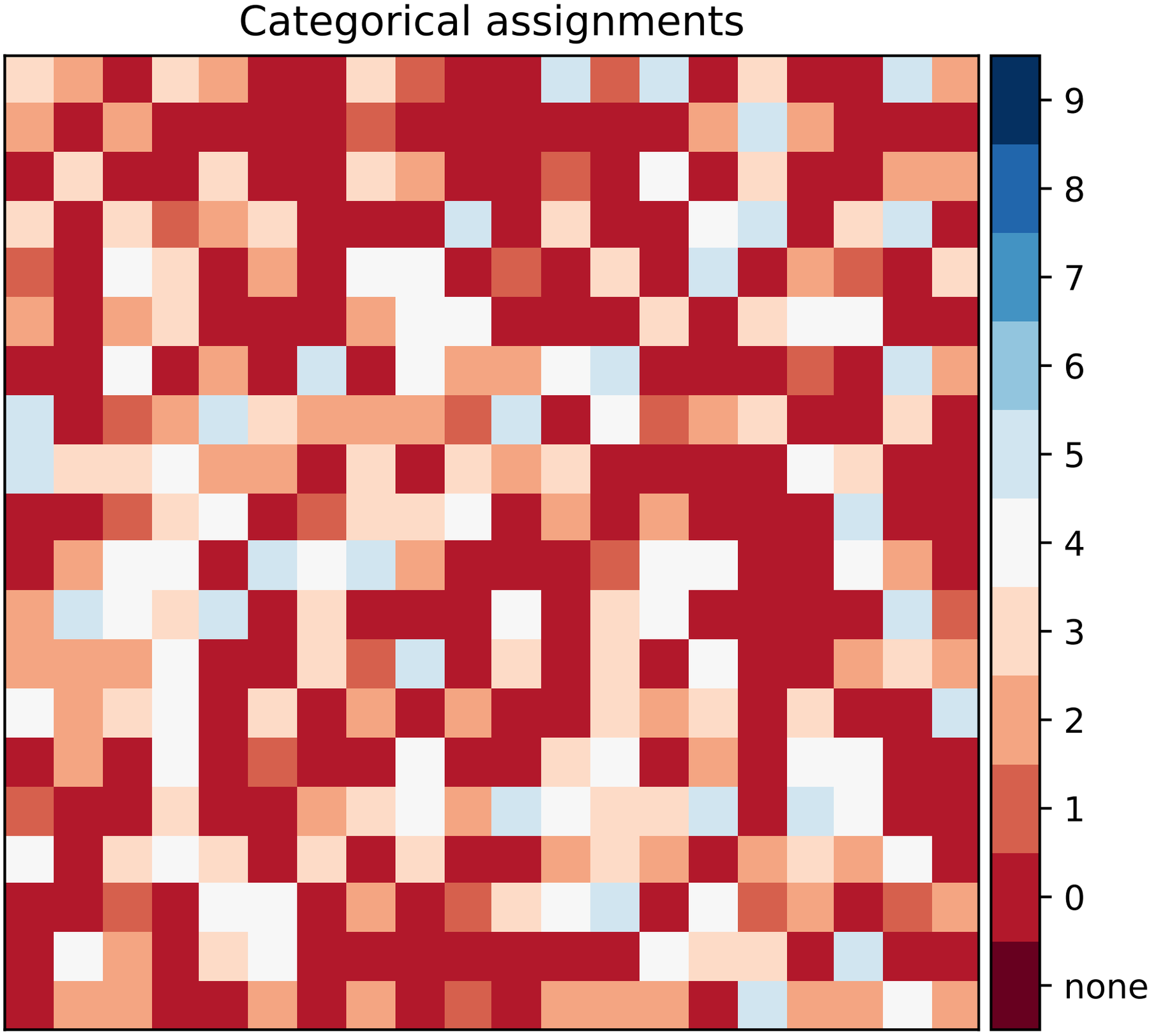

Ae voltages for neurons (0 - 400) from t = 0 to 500
Voltage
−55
−60
−65
0
100
200
300
400
500
Simulation time
Ai voltages for neurons (0 - 400) from t = 0 to 500
Voltage
−50
−60
0
100
200
300
400
500
Simulation time
Dopamin voltages for neurons (0 - 1) from t = 0 to 500
Voltage
0.0
−2.5
0
100
200
300
400
500
Simulation time


Dopamin activities
Accuracy
300
250
200
150
100
50
0
0
3000
6000
9000
12000
15000
18000
21000
24000
27000


0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0


0.025
0.020
0.015
0.010
0.005
0.000
−0.005
−0.010


8
7
6
5
4
3
2
1
0


Categorical assignments
9
8
7
6
5
4
3
2
1
0
none