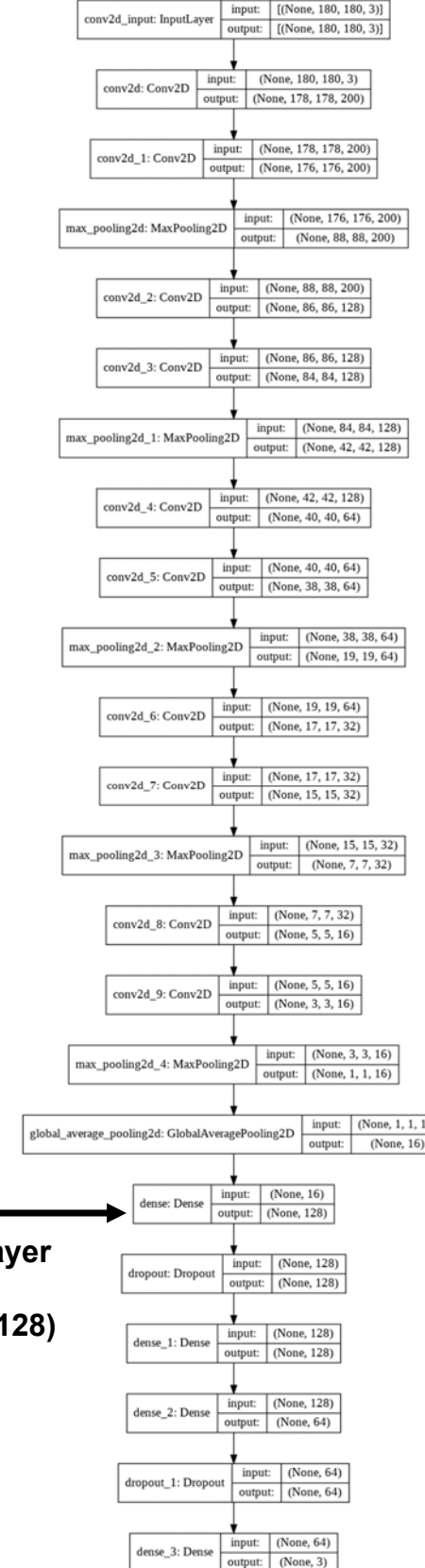
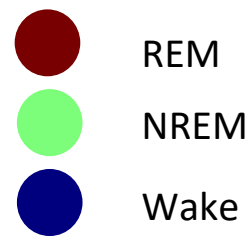
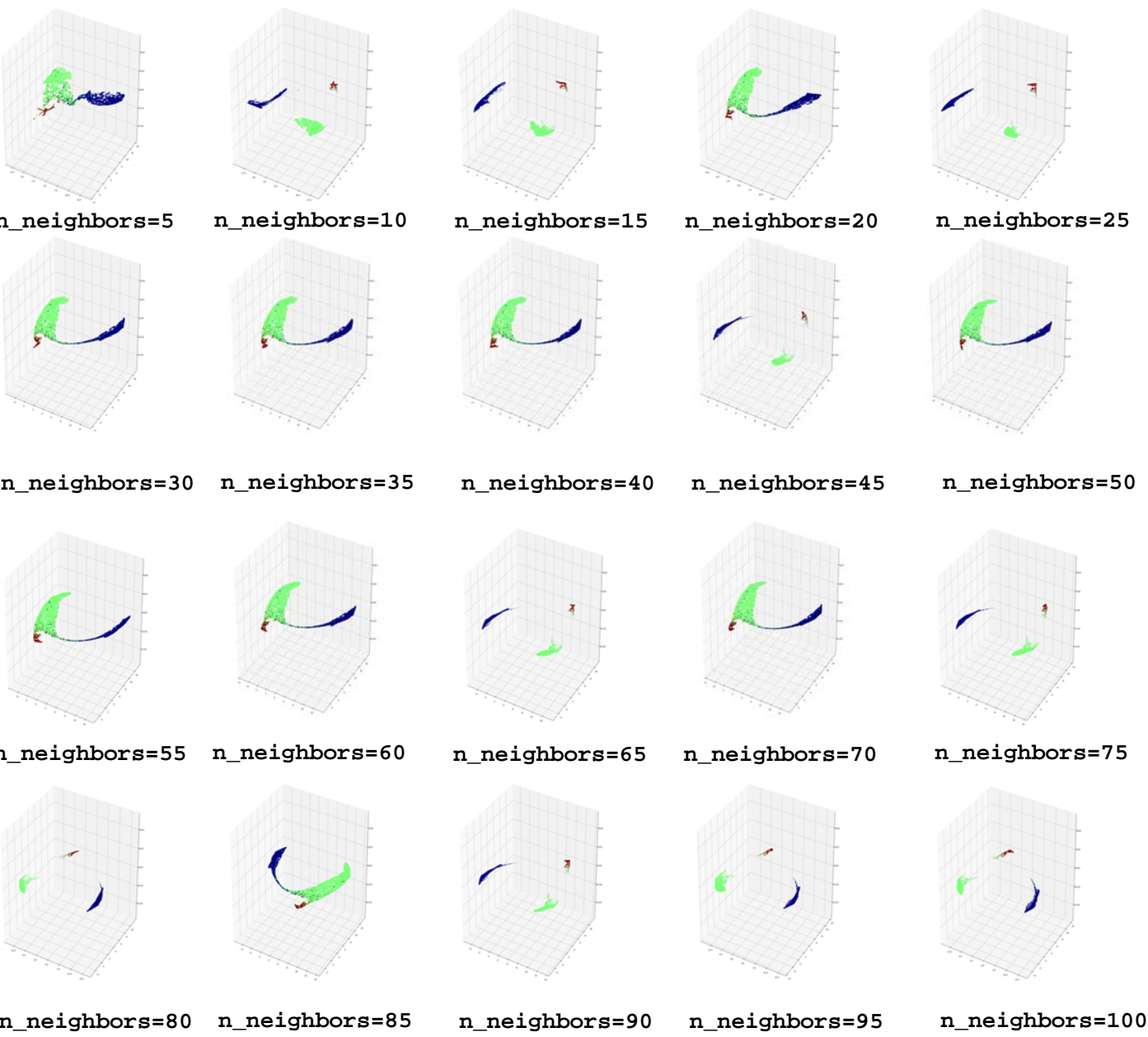


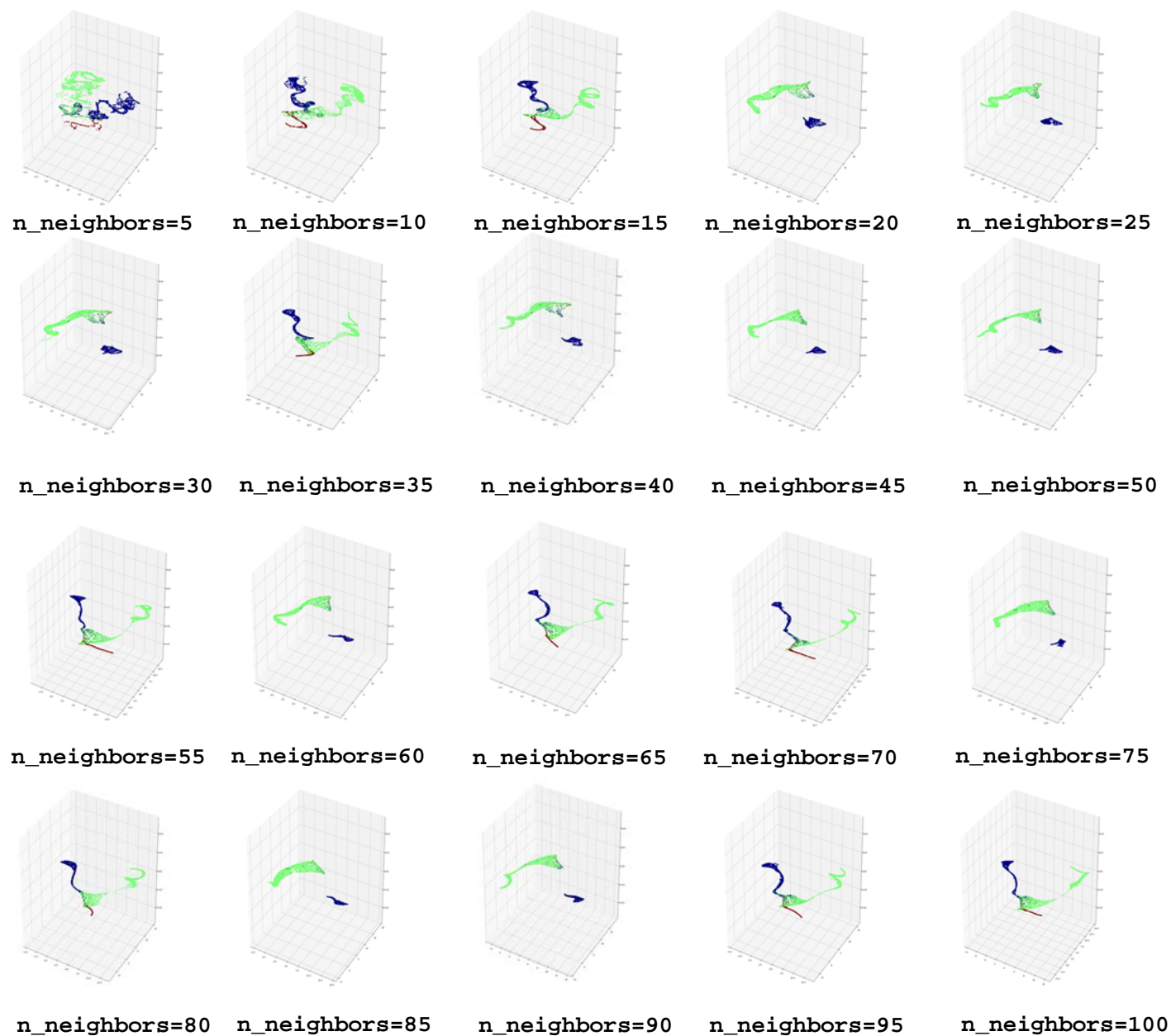
1 epoch_middle_dense



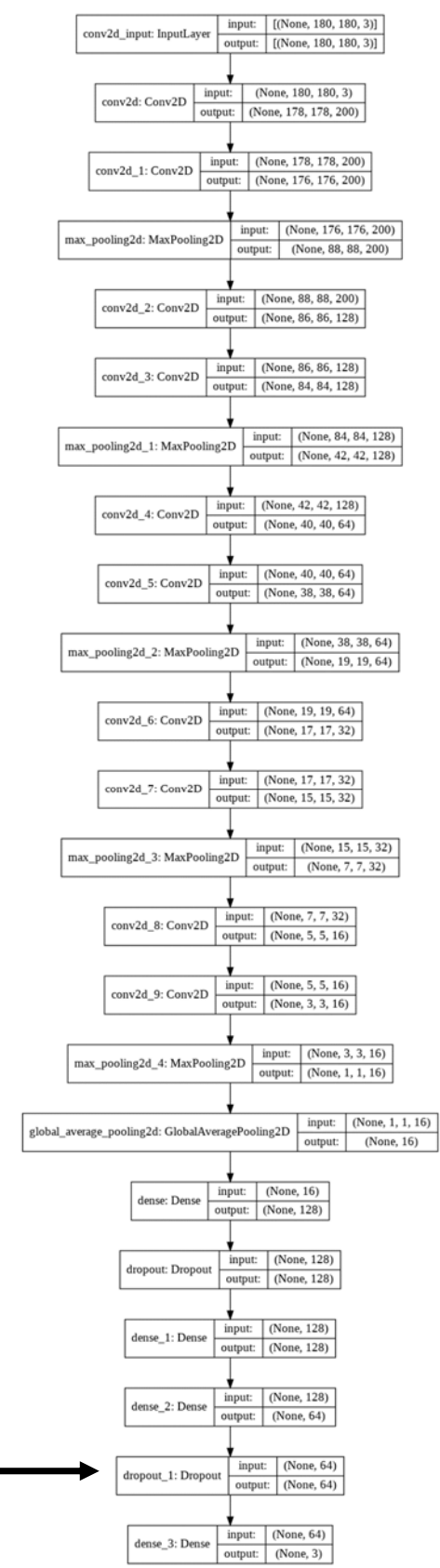
first dense layer
outputs
information(128)

Figure S1

1 epoch_last_dense



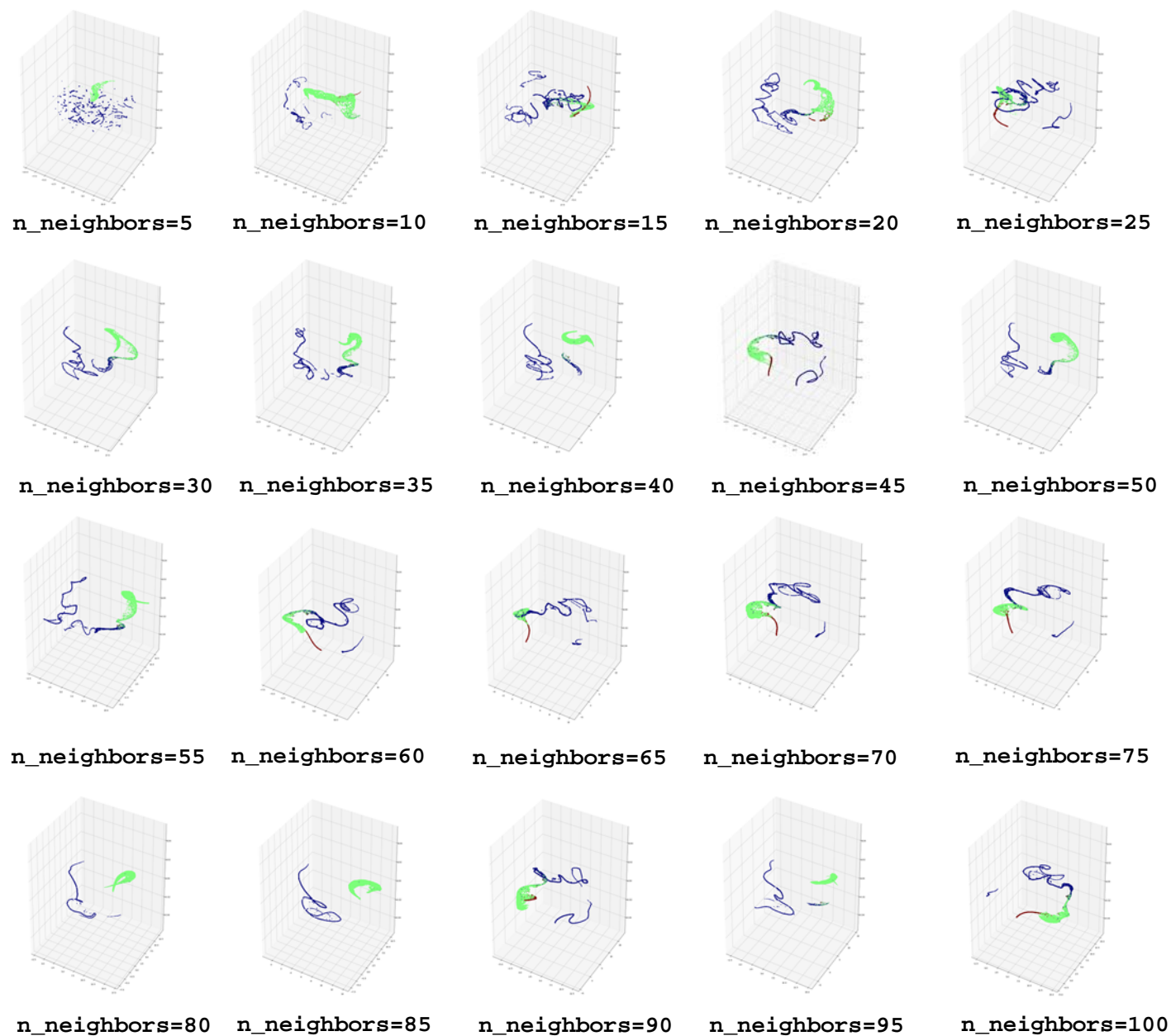
● REM
● NREM
● Wake



Last middle dense
layer
outputs
information(64)

Figure S1

2 epoch_middle_dense



first dense layer
outputs
information(128)

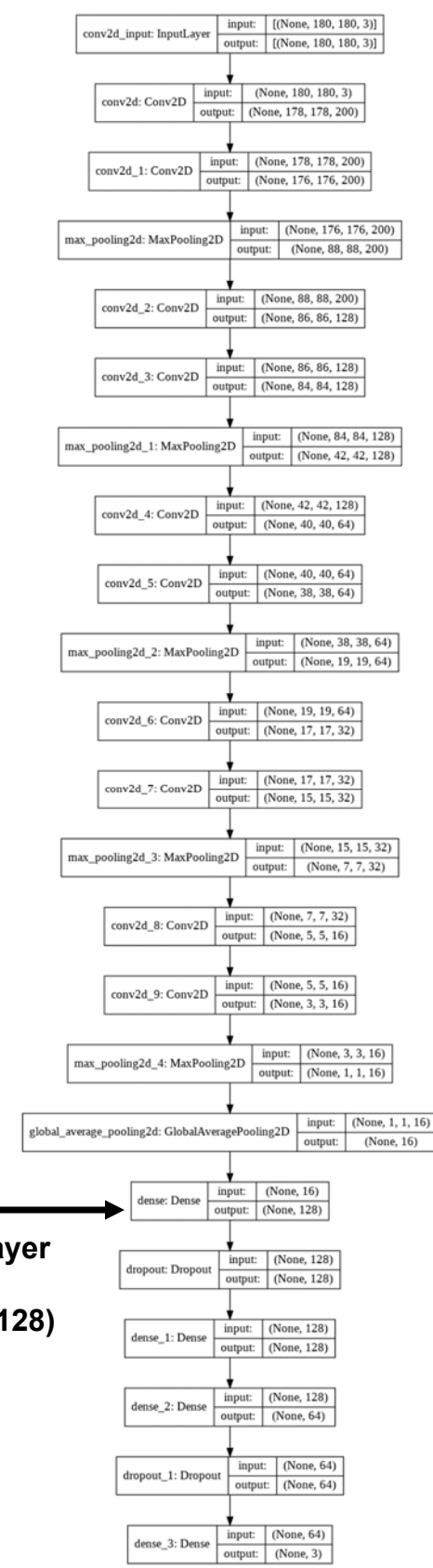
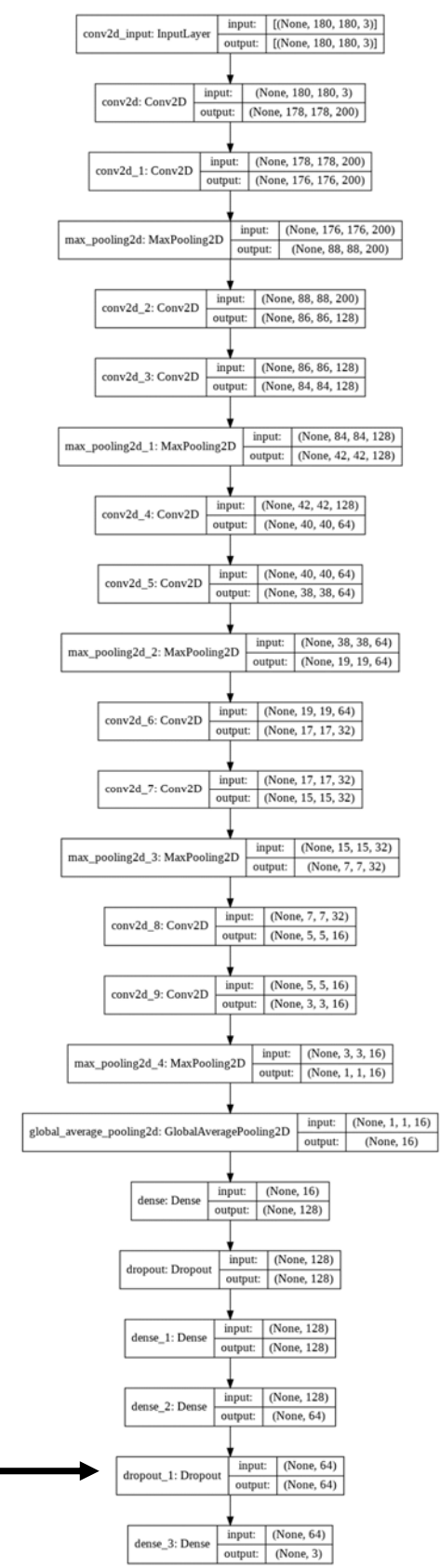
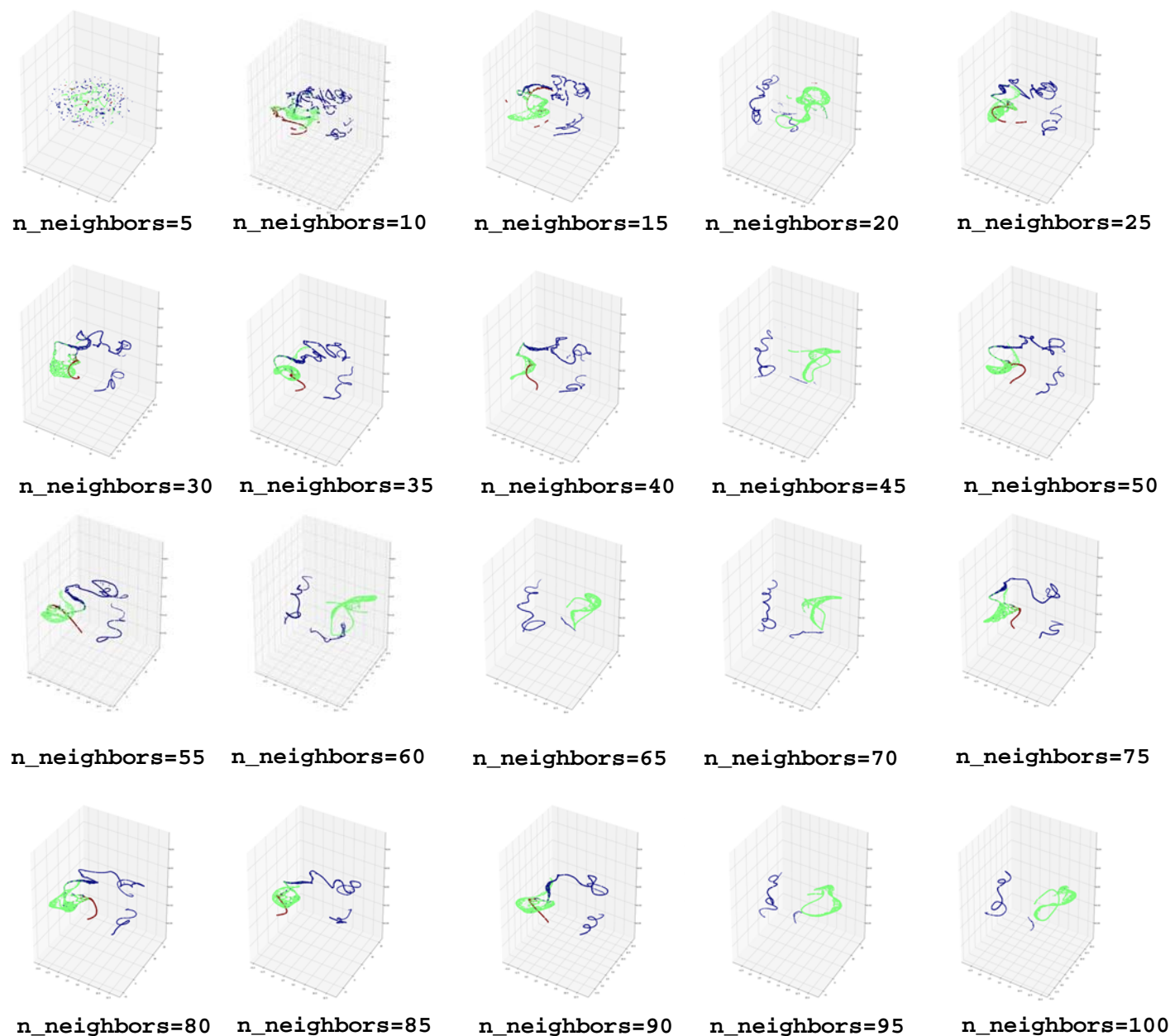
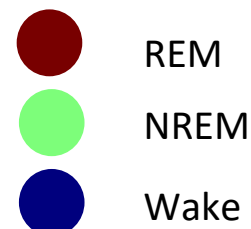


Figure S1

2 epoch_last_dense



Last middle dense
layer
outputs
information(64)

Figure S1

2 epoch_gan_middle_dense

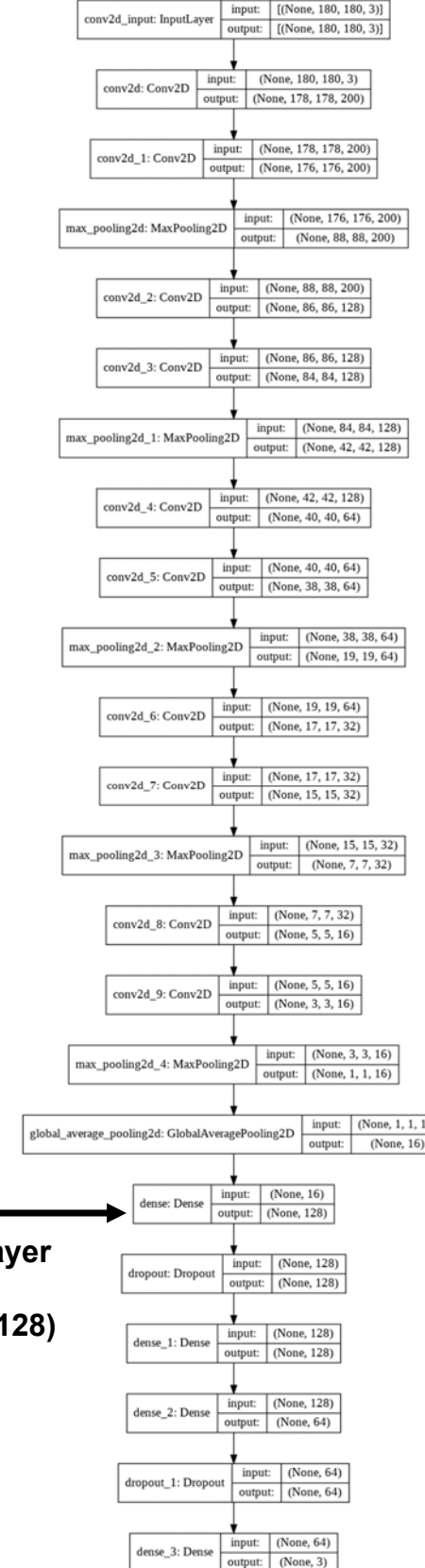
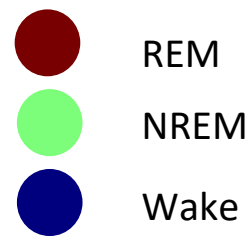
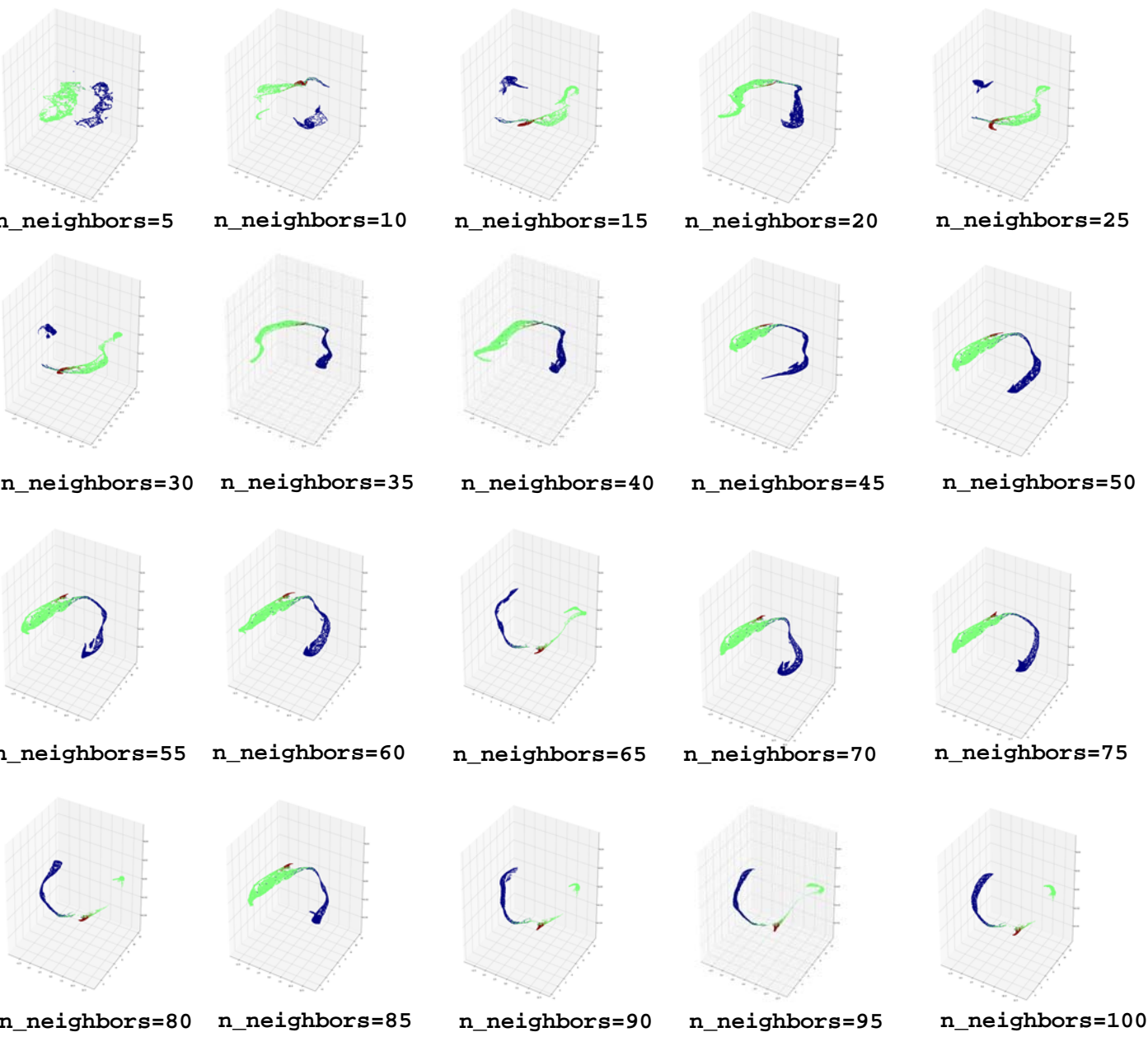
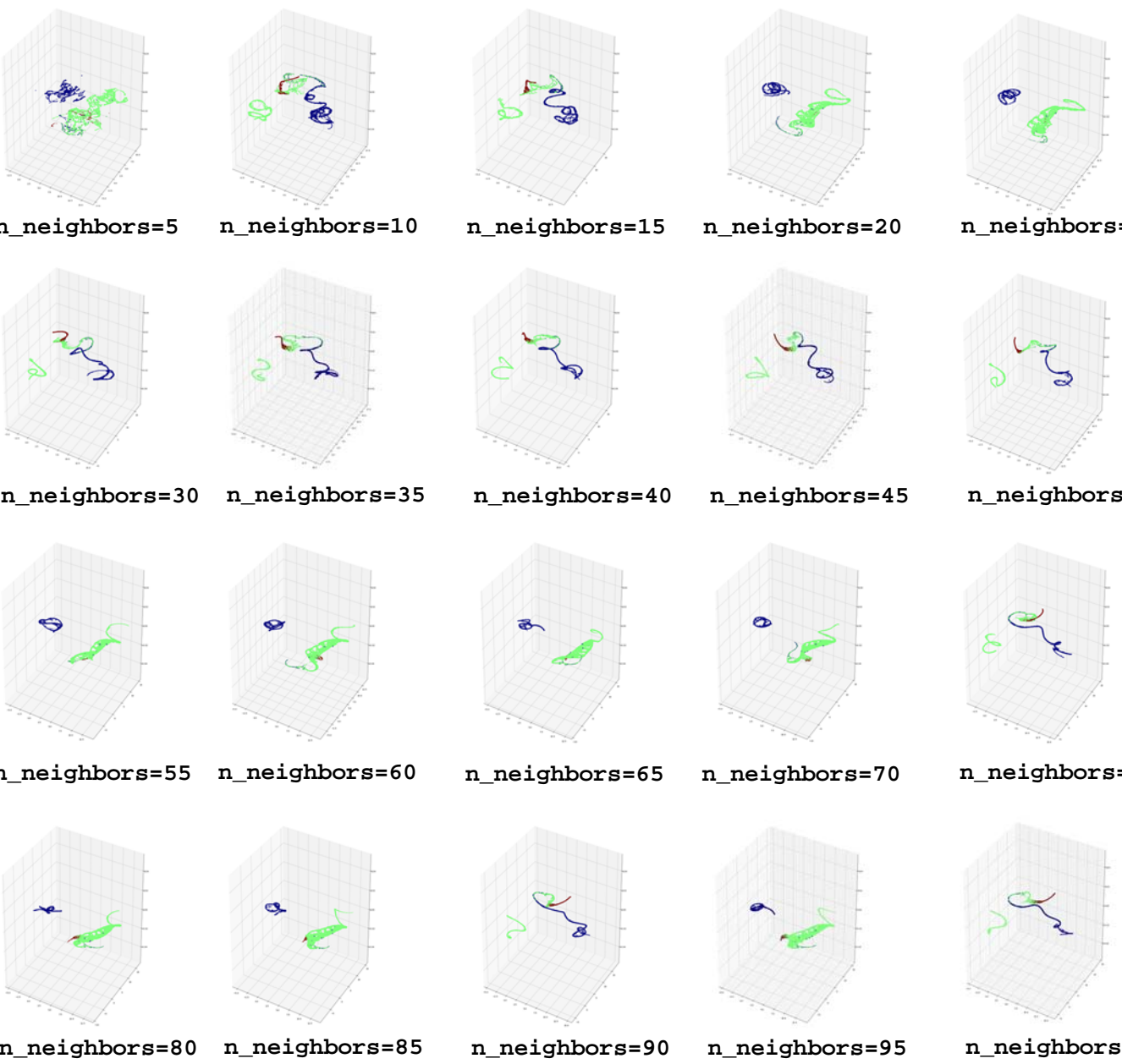
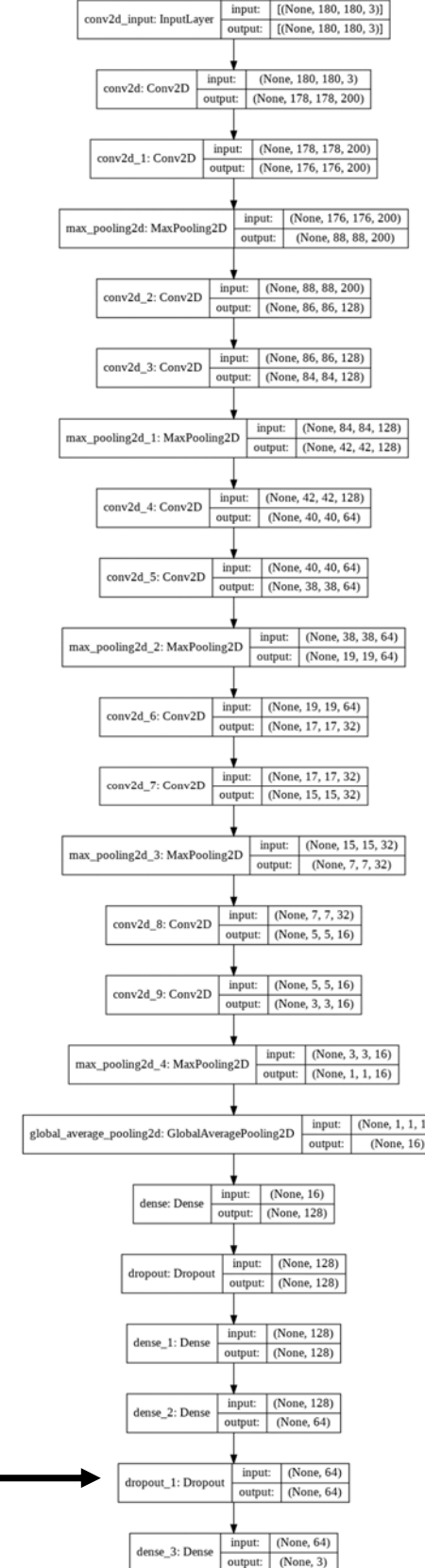


Figure S1

2 epoch_gan_last_dense



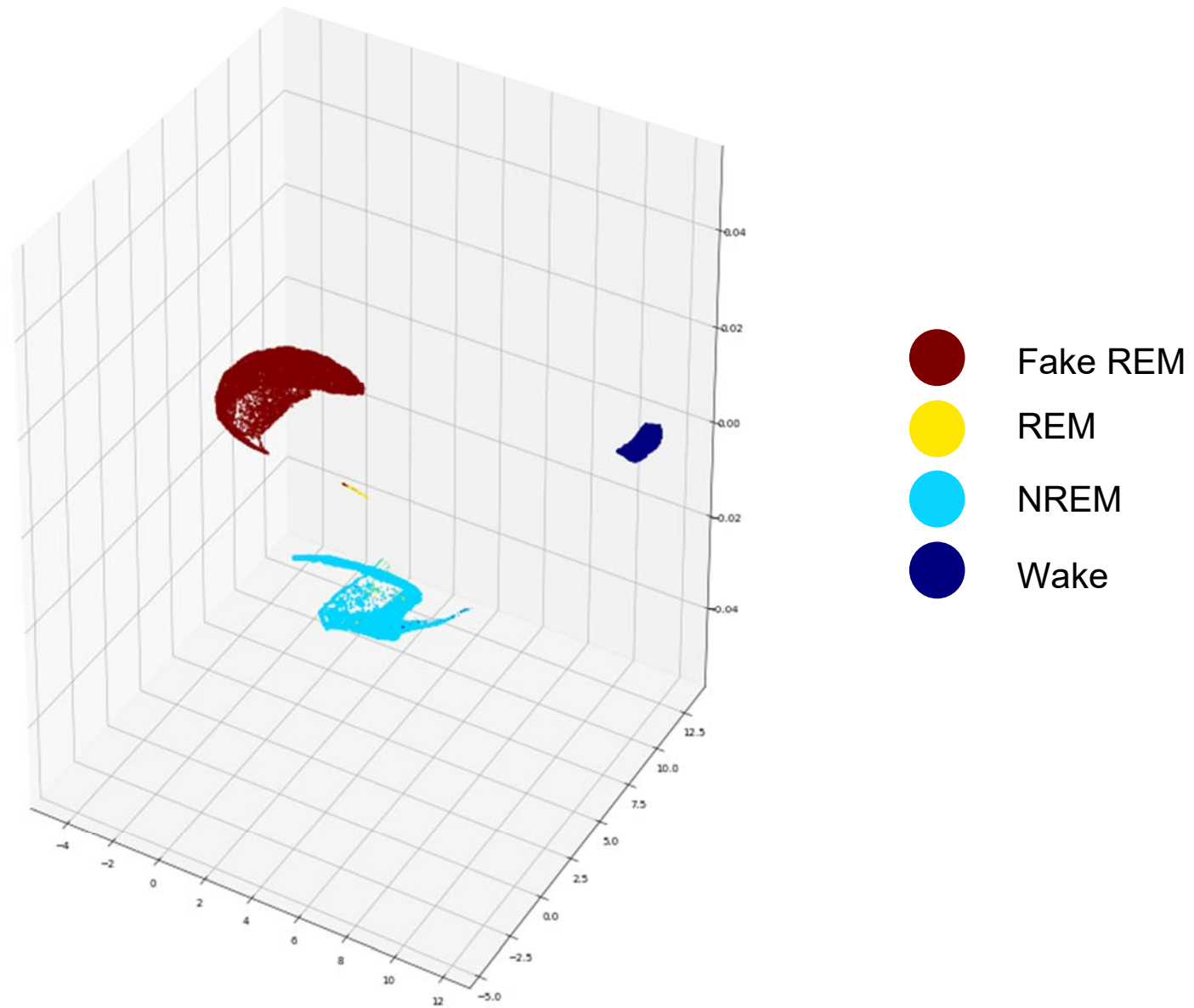
REM
NREM
Wake



Last middle dense
layer
outputs
information(64)

Figure S1

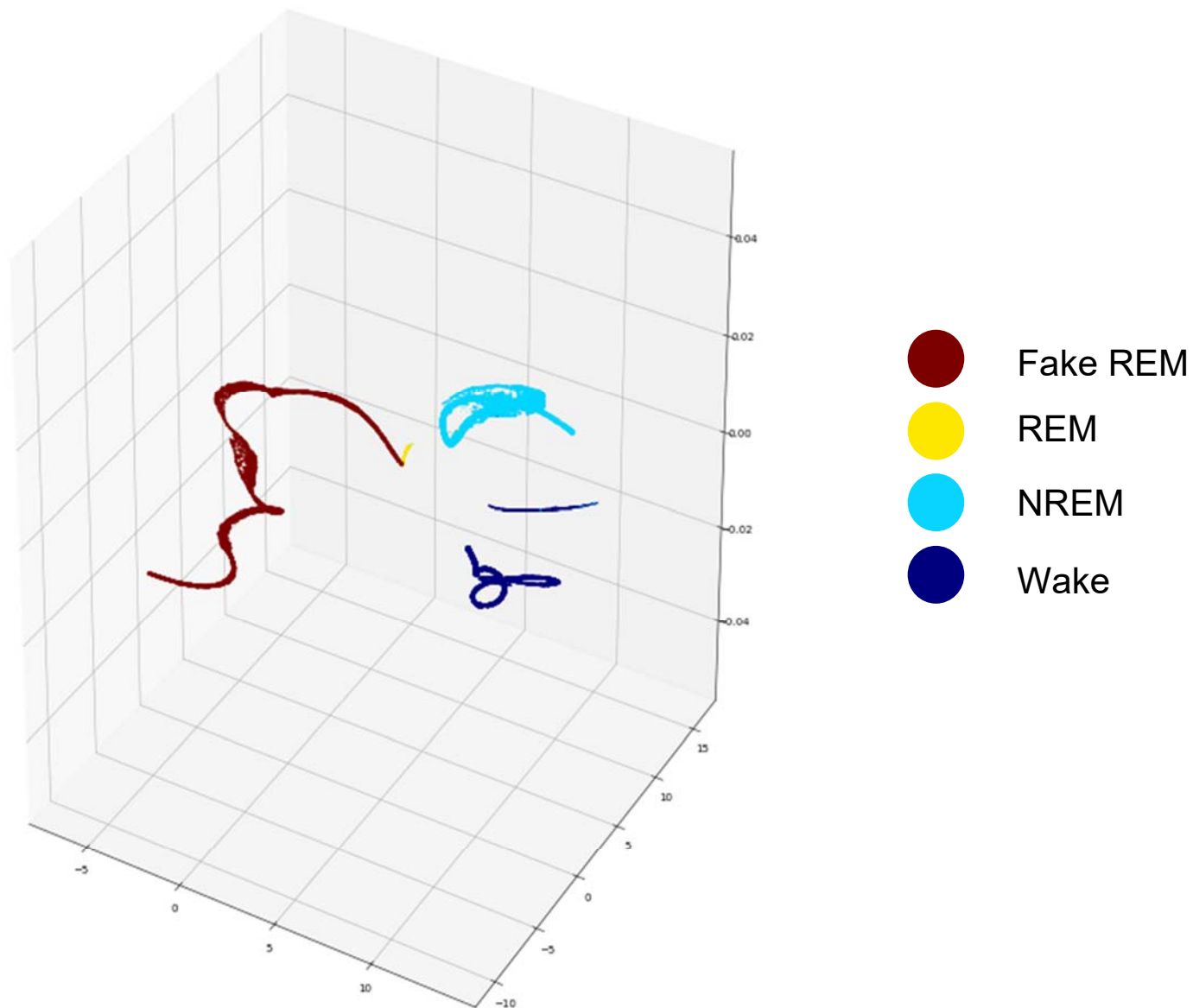
first middle dense layer outputs information(128)



n_neighbors=75

Figure S2A

last middle dense layer outputs information(64)



n_neighbors=75

Figure S2B

Scoring performance with the Forced correction filter

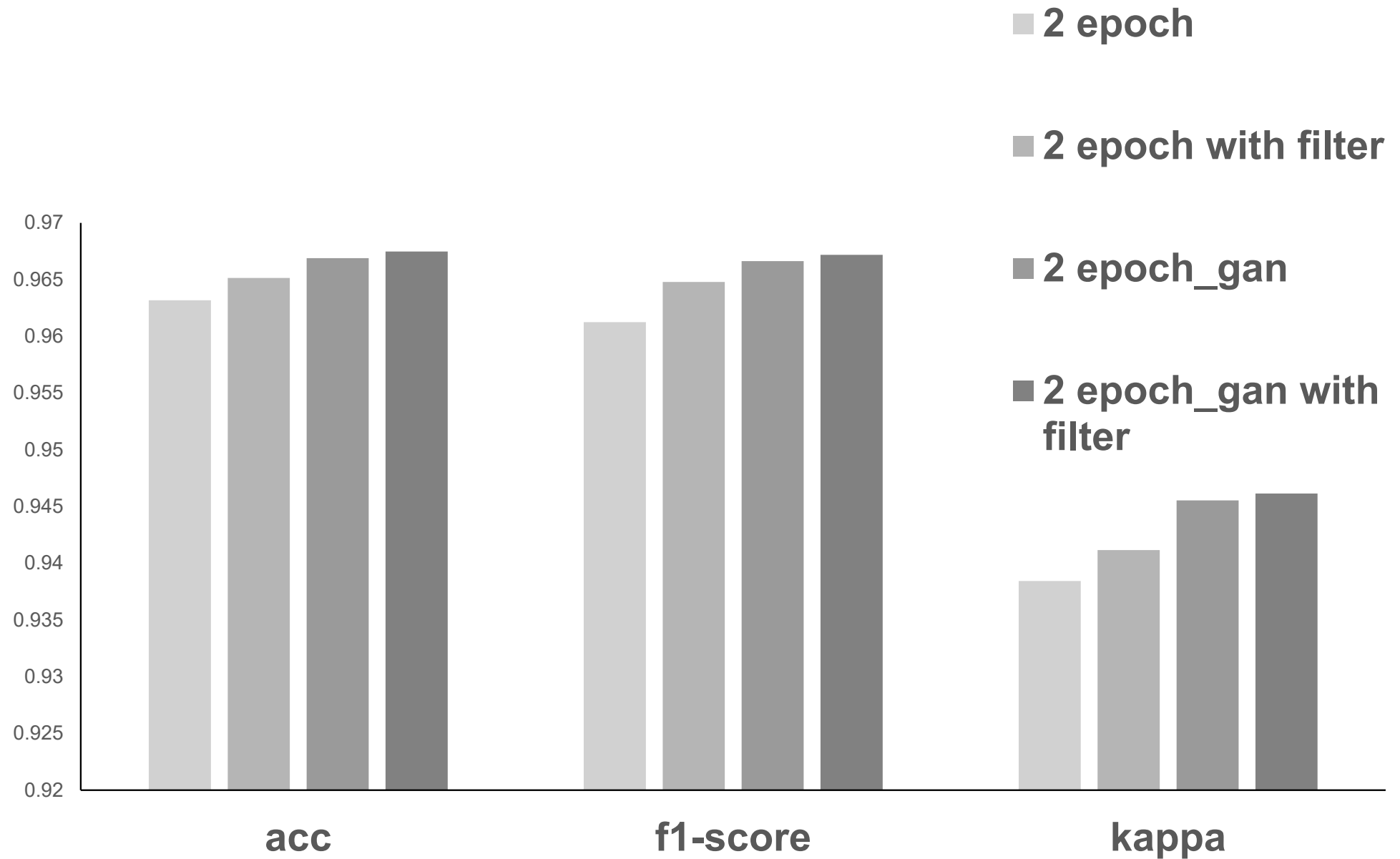


Figure S3

Simple GUI based on standard Python interface tkinter

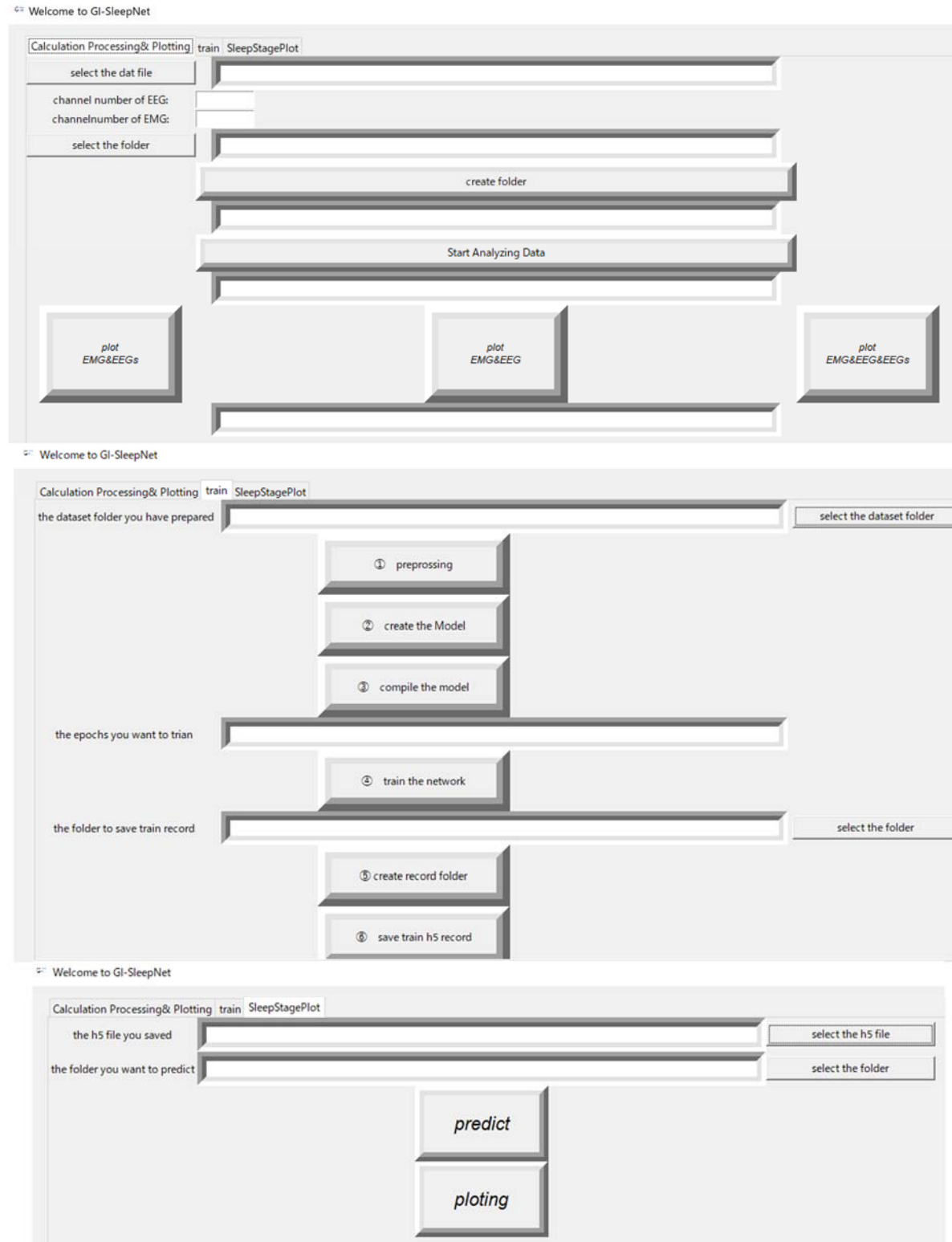


Figure S4