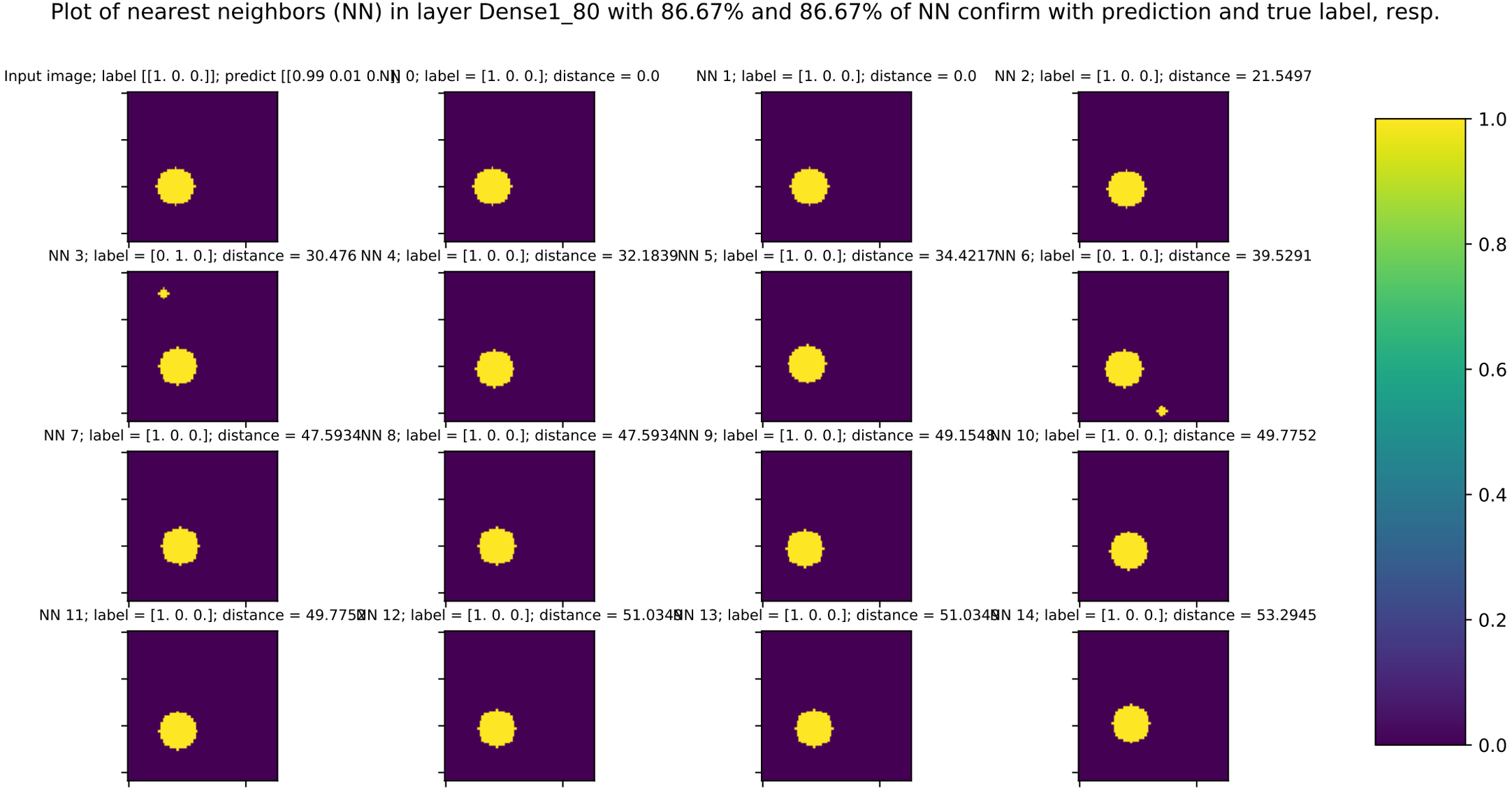
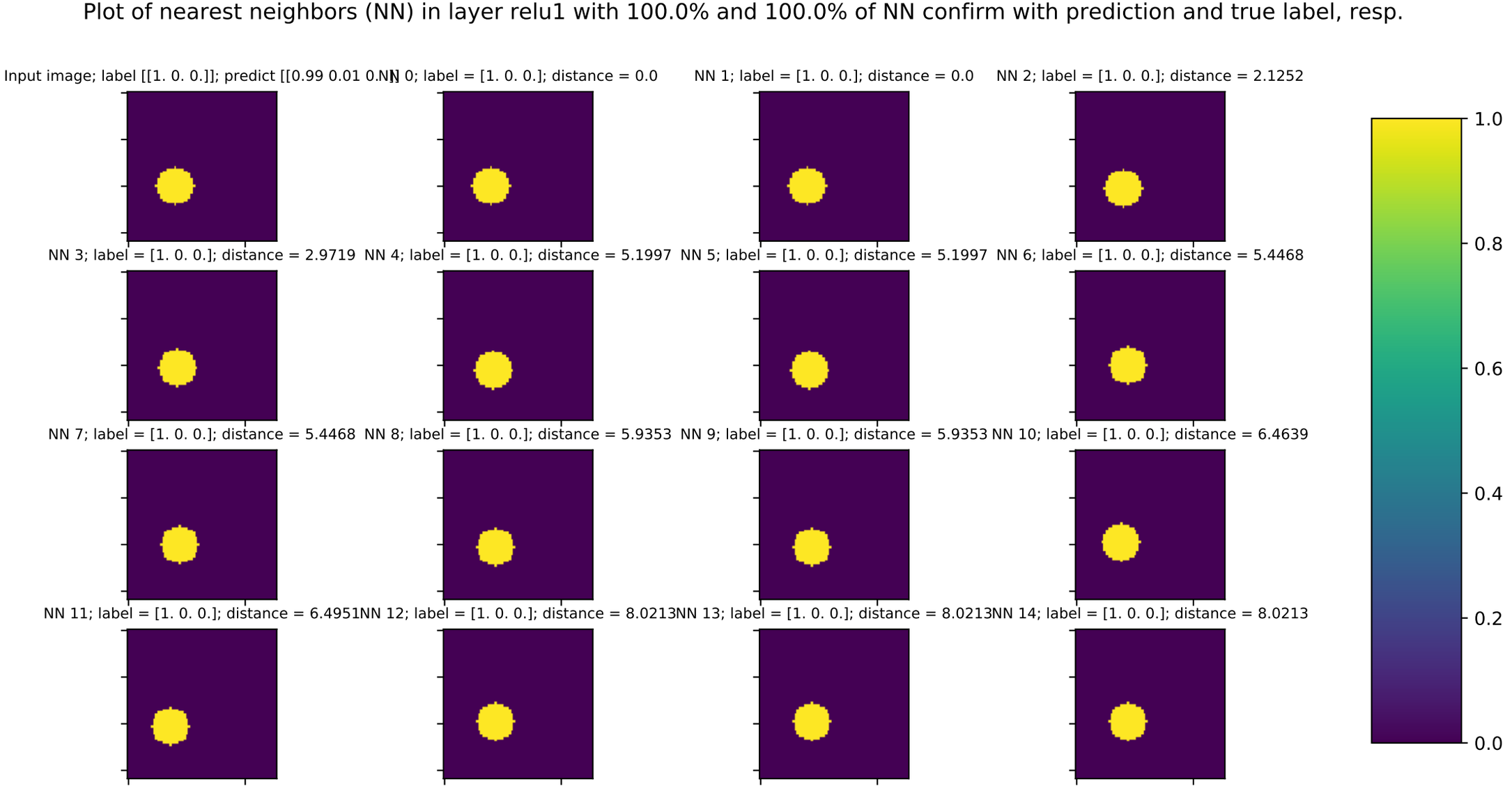
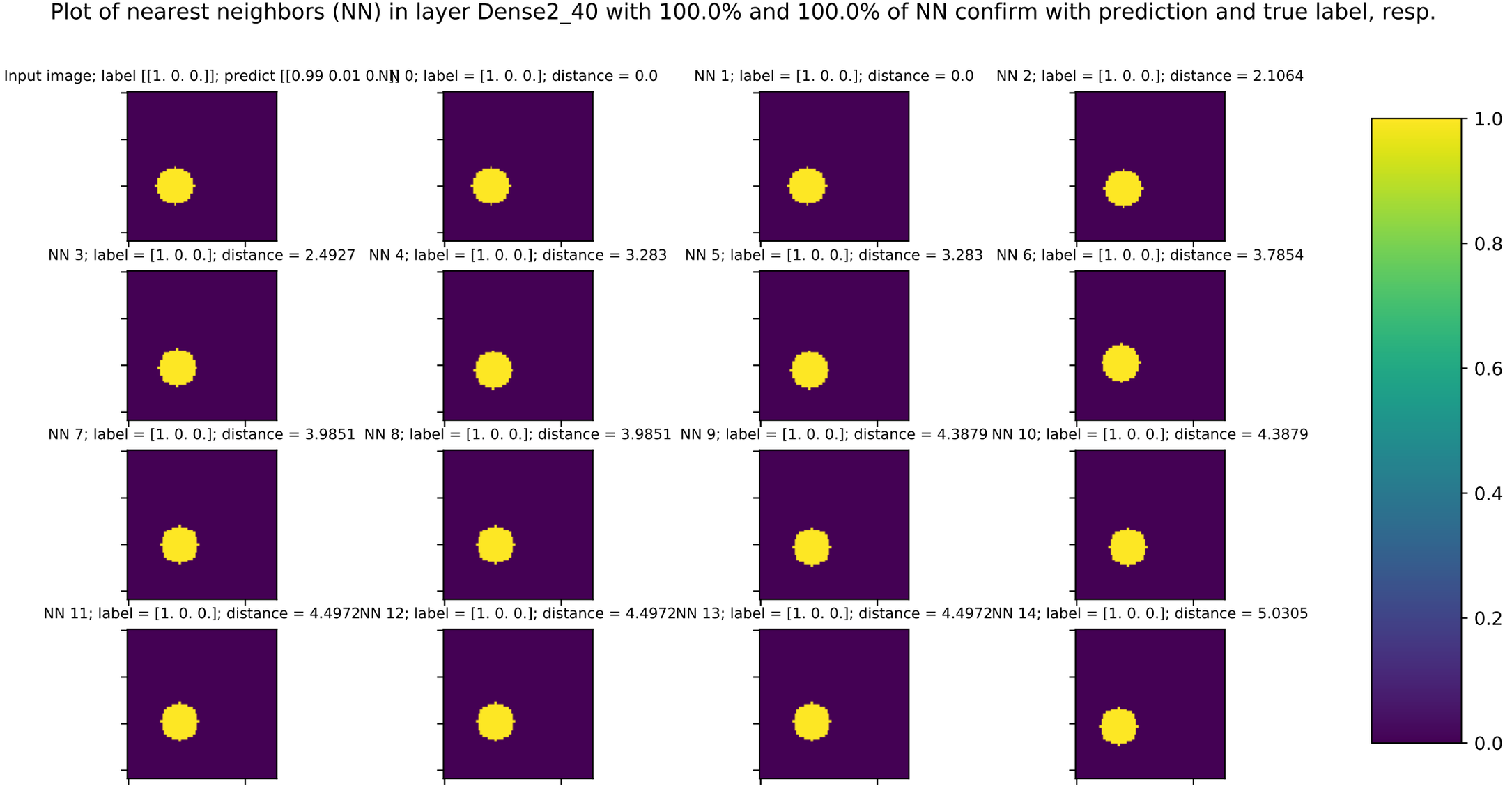
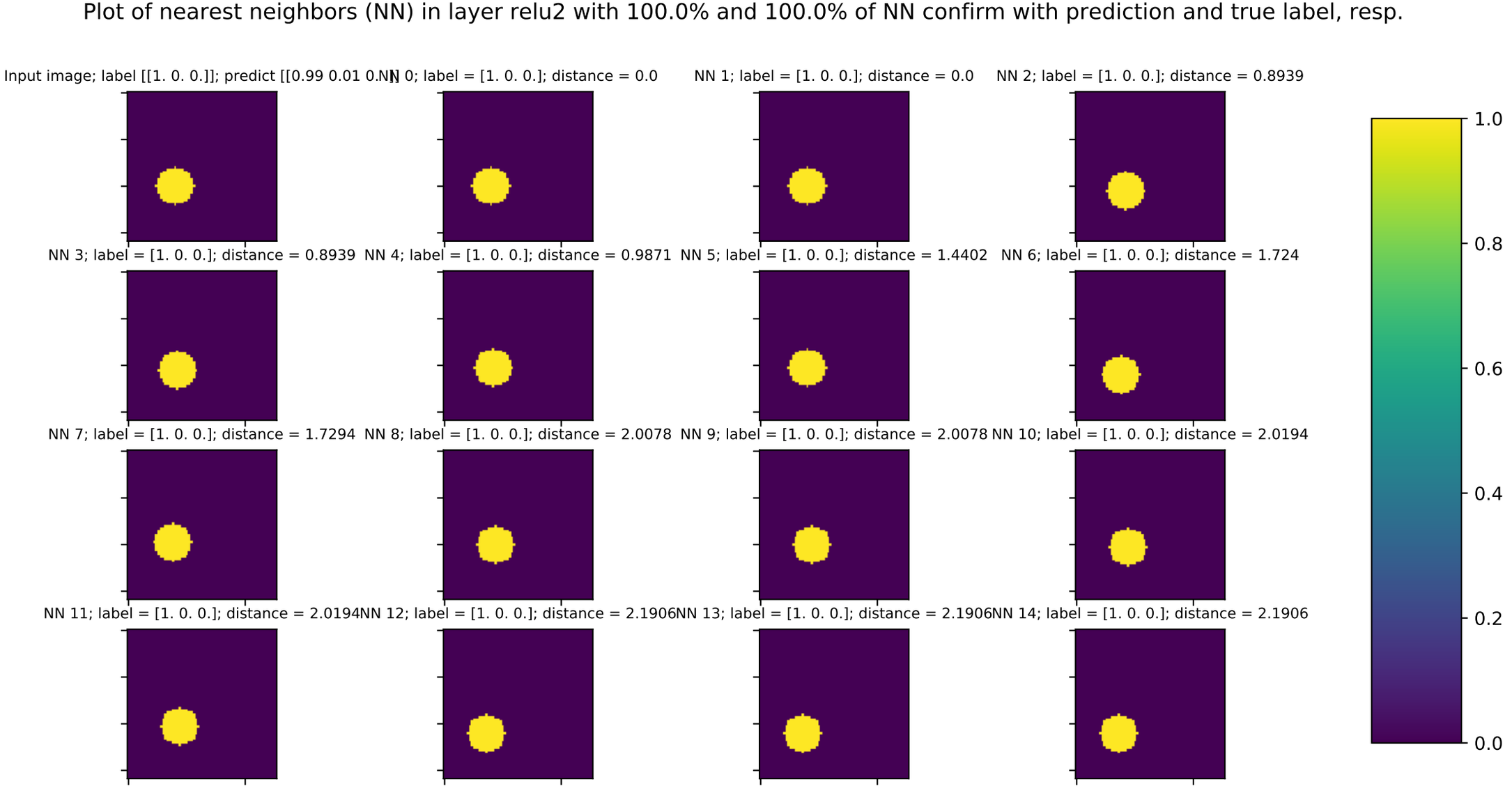
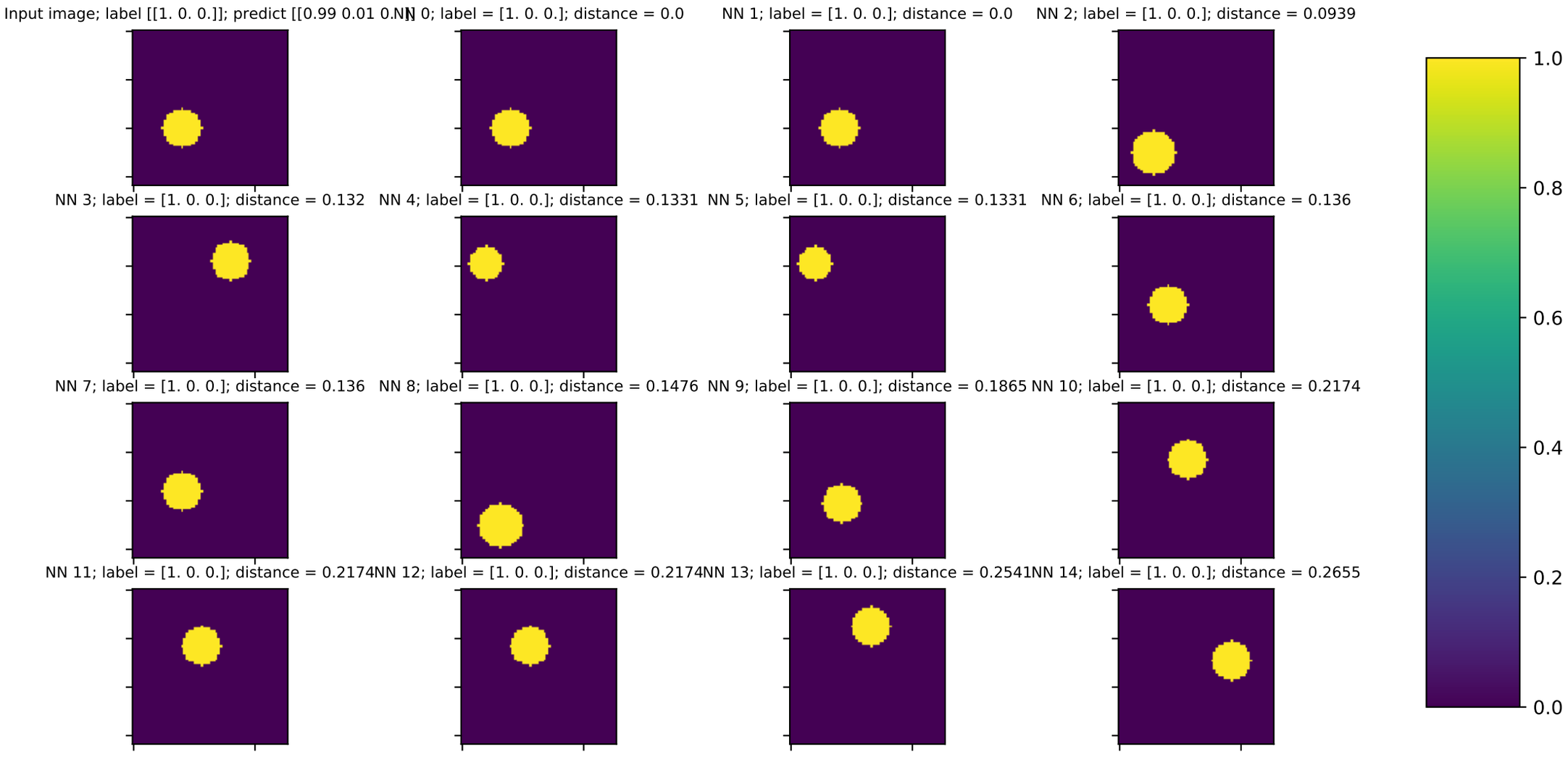

Plot of nearest neighbors (NN) in layer Dense1_80 with 86.67% and 86.67% of NN confirm with prediction and true label, resp.
Input image; label [[1. 0. 0.]]; predict [[0.99 0.01 0.00]]
NN 0; label = [1. 0. 0.]; distance = 0.0
NN 1; label = [1. 0. 0.]; distance = 0.0
NN 2; label = [1. 0. 0.]; distance = 21.5497
NN 3; label = [0. 1. 0.]; distance = 30.476
NN 4; label = [1. 0. 0.]; distance = 32.1839
NN 5; label = [1. 0. 0.]; distance = 34.4217
NN 6; label = [0. 1. 0.]; distance = 39.5291
NN 7; label = [1. 0. 0.]; distance = 47.5934
NN 8; label = [1. 0. 0.]; distance = 47.5934
NN 9; label = [1. 0. 0.]; distance = 49.1548
NN 10; label = [1. 0. 0.]; distance = 49.7752
NN 11; label = [1. 0. 0.]; distance = 49.7752
NN 12; label = [1. 0. 0.]; distance = 51.0348
NN 13; label = [1. 0. 0.]; distance = 51.0348
NN 14; label = [1. 0. 0.]; distance = 53.2945
1.0
0.8
0.6
0.4
0.2
0.0

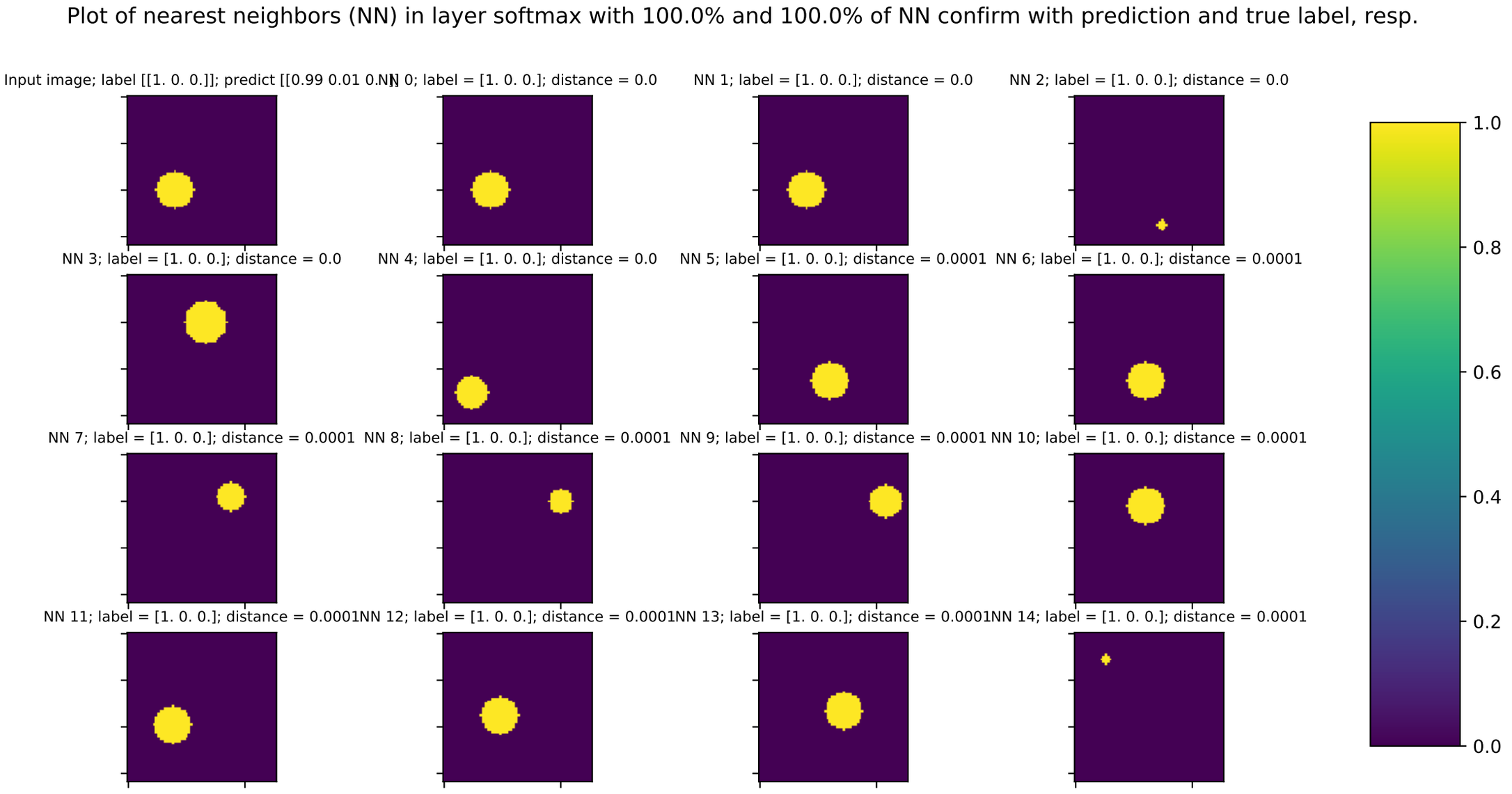

Plot of nearest neighbors (NN) in layer relu1 with 100.0% and 100.0% of NN confirm with prediction and true label, resp.
Input image; label [[1. 0. 0.]]; predict [[0.99 0.01 0.00]]
NN 0; label = [1. 0. 0.]; distance = 0.0
NN 1; label = [1. 0. 0.]; distance = 0.0
NN 2; label = [1. 0. 0.]; distance = 2.1252
NN 3; label = [1. 0. 0.]; distance = 2.9719
NN 4; label = [1. 0. 0.]; distance = 5.1997
NN 5; label = [1. 0. 0.]; distance = 5.1997
NN 6; label = [1. 0. 0.]; distance = 5.4468
NN 7; label = [1. 0. 0.]; distance = 5.4468
NN 8; label = [1. 0. 0.]; distance = 5.9353
NN 9; label = [1. 0. 0.]; distance = 5.9353
NN 10; label = [1. 0. 0.]; distance = 6.4639
NN 11; label = [1. 0. 0.]; distance = 6.4951
NN 12; label = [1. 0. 0.]; distance = 8.0213
NN 13; label = [1. 0. 0.]; distance = 8.0213
NN 14; label = [1. 0. 0.]; distance = 8.0213
1.0
0.8
0.6
0.4
0.2
0.0

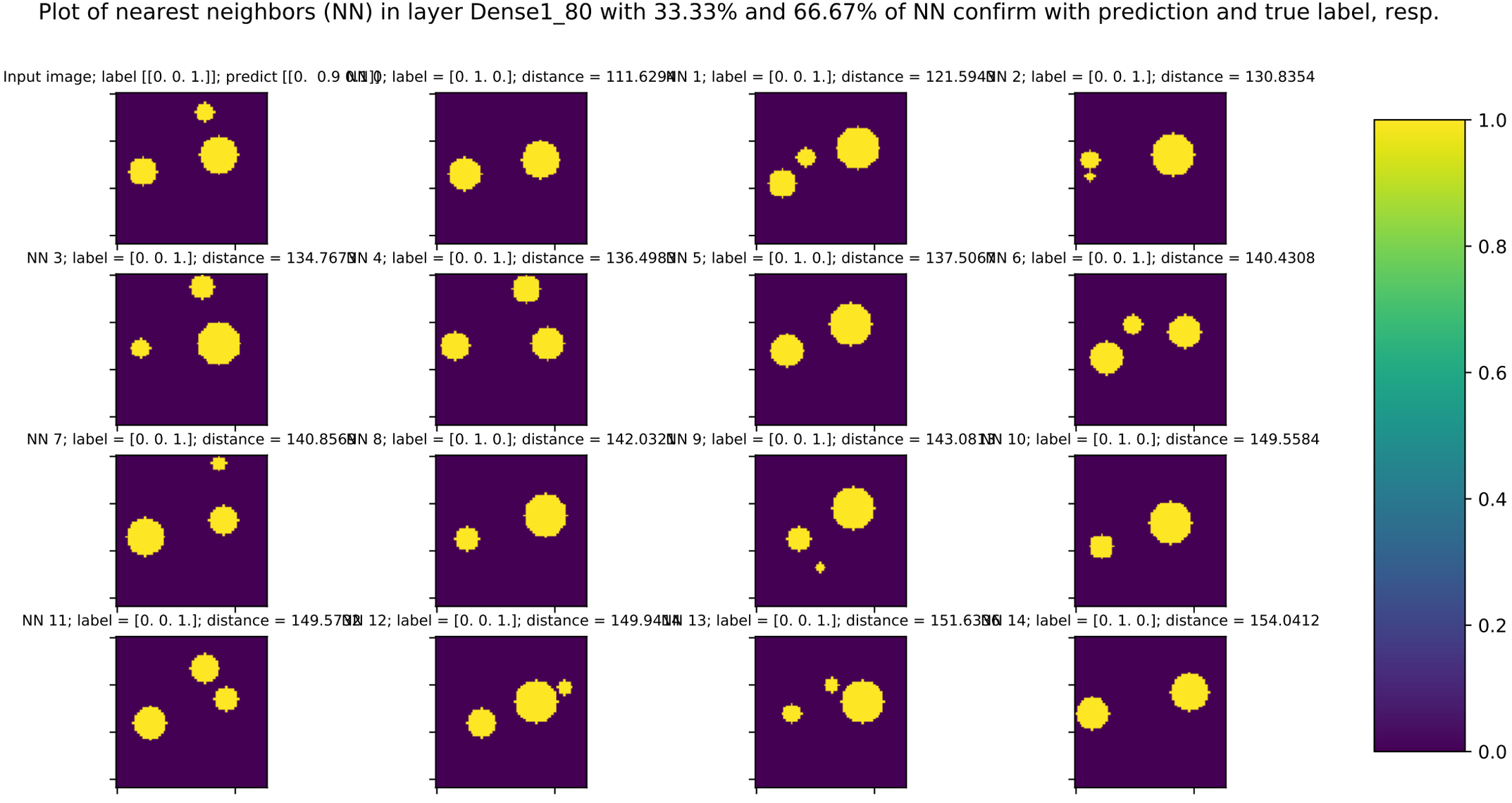

Plot of nearest neighbors (NN) in layer Dense2_40 with 100.0% and 100.0% of NN confirm with prediction and true label, resp.
Input image; label [[1. 0. 0.]]; predict [[0.99 0.01 0.00]]
NN 0; label = [1. 0. 0.]; distance = 0.0
NN 1; label = [1. 0. 0.]; distance = 0.0
NN 2; label = [1. 0. 0.]; distance = 2.1064
NN 3; label = [1. 0. 0.]; distance = 2.4927
NN 4; label = [1. 0. 0.]; distance = 3.283
NN 5; label = [1. 0. 0.]; distance = 3.283
NN 6; label = [1. 0. 0.]; distance = 3.7854
NN 7; label = [1. 0. 0.]; distance = 3.9851
NN 8; label = [1. 0. 0.]; distance = 3.9851
NN 9; label = [1. 0. 0.]; distance = 4.3879
NN 10; label = [1. 0. 0.]; distance = 4.3879
NN 11; label = [1. 0. 0.]; distance = 4.4972
NN 12; label = [1. 0. 0.]; distance = 4.4972
NN 13; label = [1. 0. 0.]; distance = 4.4972
NN 14; label = [1. 0. 0.]; distance = 5.0305
1.0
0.8
0.6
0.4
0.2
0.0


Plot of nearest neighbors (NN) in layer relu2 with 100.0% and 100.0% of NN confirm with prediction and true label, resp.
Input image; label [[1. 0. 0.]]; predict [[0.99 0.01 0.00]]
NN 0; label = [1. 0. 0.]; distance = 0.0
NN 1; label = [1. 0. 0.]; distance = 0.0
NN 2; label = [1. 0. 0.]; distance = 0.8939
NN 3; label = [1. 0. 0.]; distance = 0.8939
NN 4; label = [1. 0. 0.]; distance = 0.9871
NN 5; label = [1. 0. 0.]; distance = 1.4402
NN 6; label = [1. 0. 0.]; distance = 1.724
NN 7; label = [1. 0. 0.]; distance = 1.7294
NN 8; label = [1. 0. 0.]; distance = 2.0078
NN 9; label = [1. 0. 0.]; distance = 2.0078
NN 10; label = [1. 0. 0.]; distance = 2.0194
NN 11; label = [1. 0. 0.]; distance = 2.0194
NN 12; label = [1. 0. 0.]; distance = 2.1906
NN 13; label = [1. 0. 0.]; distance = 2.1906
NN 14; label = [1. 0. 0.]; distance = 2.1906
1.0
0.8
0.6
0.4
0.2
0.0

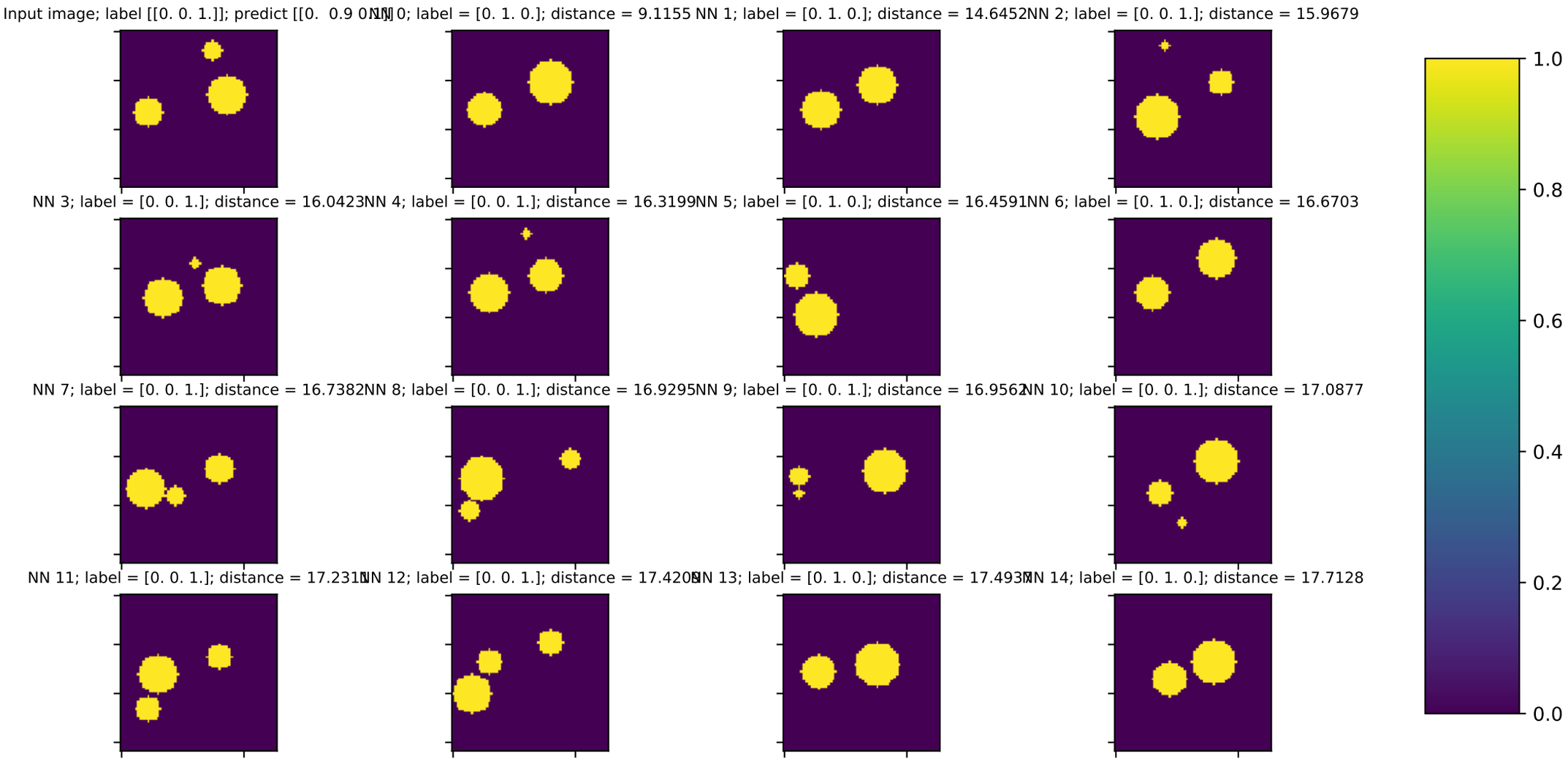
Plot of nearest neighbors (NN) in layer Dense3_3 with 100.0% and 100.0% of NN confirm with prediction and true label, resp.

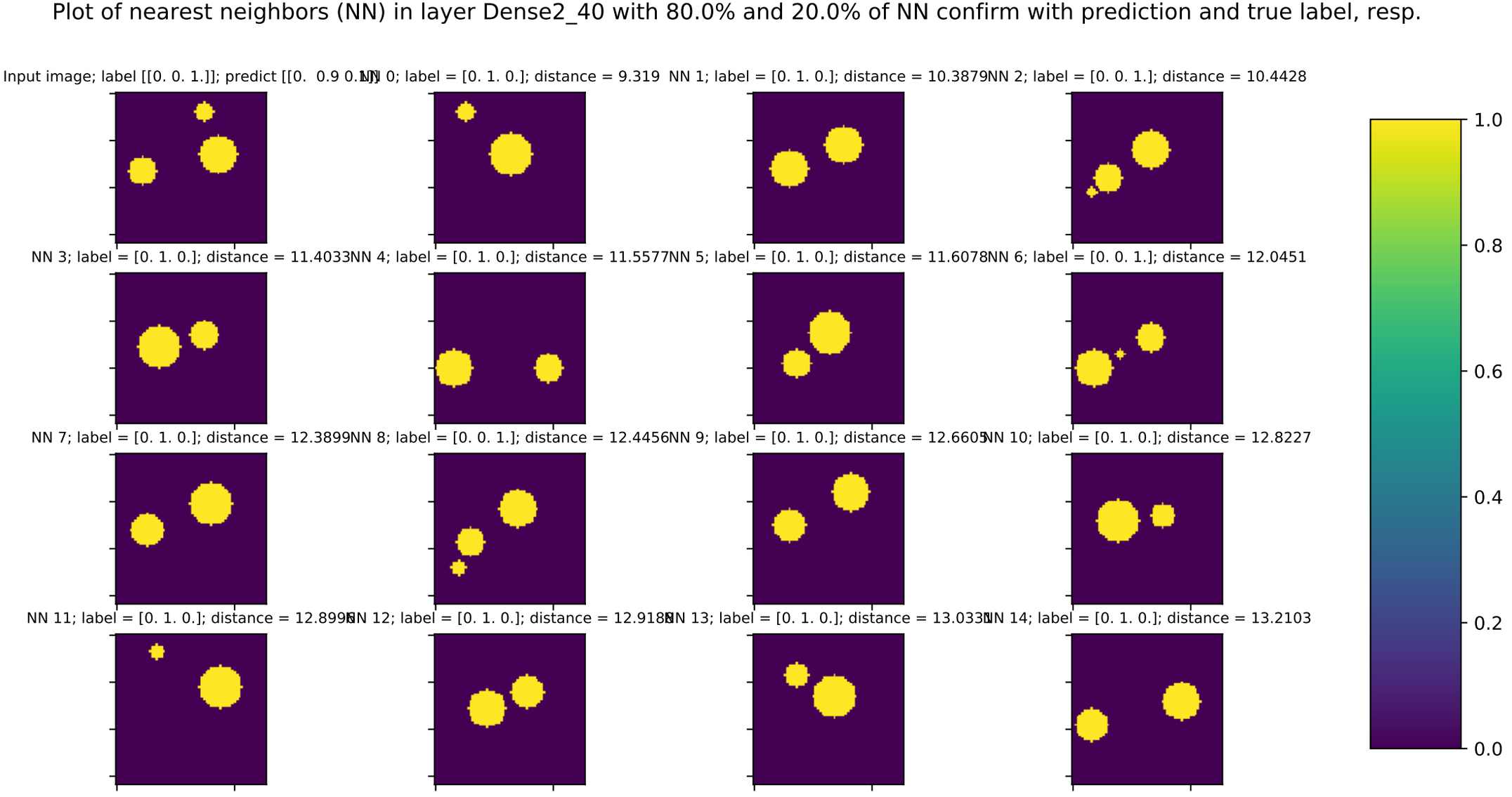



Plot of nearest neighbors (NN) in layer softmax with 100.0% and 100.0% of NN confirm with prediction and true label, resp.
Input image; label [[1. 0. 0.]]; predict [[0.99 0.01 0.00]]
NN 0; label = [1. 0. 0.]; distance = 0.0
NN 1; label = [1. 0. 0.]; distance = 0.0
NN 2; label = [1. 0. 0.]; distance = 0.0
NN 3; label = [1. 0. 0.]; distance = 0.0
NN 4; label = [1. 0. 0.]; distance = 0.0
NN 5; label = [1. 0. 0.]; distance = 0.0001
NN 6; label = [1. 0. 0.]; distance = 0.0001
NN 7; label = [1. 0. 0.]; distance = 0.0001
NN 8; label = [1. 0. 0.]; distance = 0.0001
NN 9; label = [1. 0. 0.]; distance = 0.0001
NN 10; label = [1. 0. 0.]; distance = 0.0001
NN 11; label = [1. 0. 0.]; distance = 0.0001
NN 12; label = [1. 0. 0.]; distance = 0.0001
NN 13; label = [1. 0. 0.]; distance = 0.0001
NN 14; label = [1. 0. 0.]; distance = 0.0001
1.0
0.8
0.6
0.4
0.2
0.0

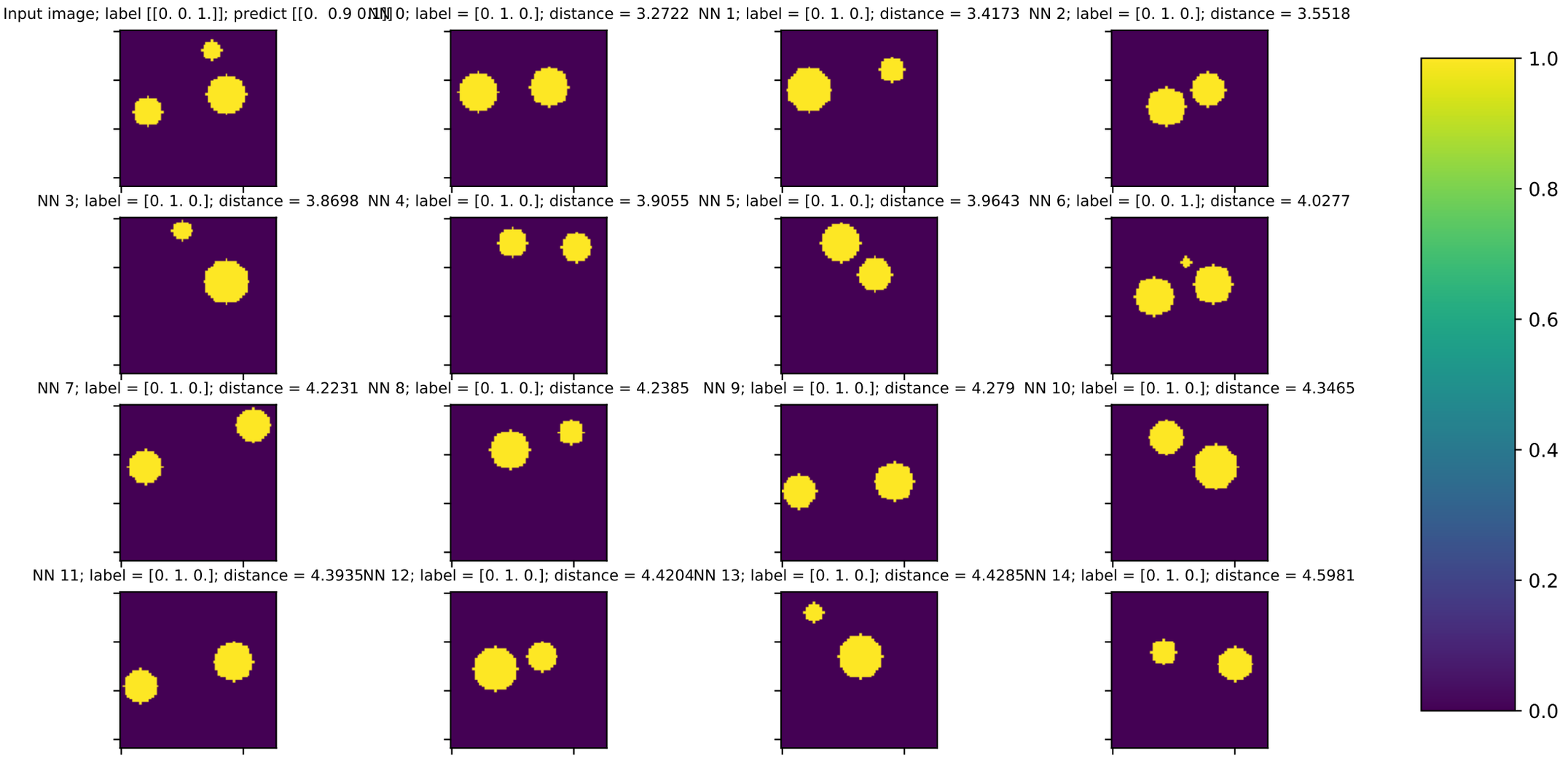

Plot of nearest neighbors (NN) in layer Dense1_80 with 33.33% and 66.67% of NN confirm with prediction and true label, resp.
Input image; label [[0. 0. 1.]]; predict [[0. 0.9 0.1]]
NN 1; label = [0. 1. 0.]; distance = 111.6294
NN 2; label = [0. 0. 1.]; distance = 121.5943
NN 3; label = [0. 0. 1.]; distance = 130.8354
NN 4; label = [0. 0. 1.]; distance = 134.7673
NN 5; label = [0. 1. 0.]; distance = 136.4983
NN 6; label = [0. 0. 1.]; distance = 137.5067
NN 7; label = [0. 0. 1.]; distance = 140.4308
NN 8; label = [0. 1. 0.]; distance = 140.8569
NN 9; label = [0. 0. 1.]; distance = 142.0321
NN 10; label = [0. 1. 0.]; distance = 143.0813
NN 11; label = [0. 0. 1.]; distance = 149.5584
NN 12; label = [0. 0. 1.]; distance = 149.5768
NN 13; label = [0. 0. 1.]; distance = 149.9414
NN 14; label = [0. 1. 0.]; distance = 151.6386
1.0
0.8
0.6
0.4
0.2
0.0

Plot of nearest neighbors (NN) in layer relu1 with 40.0% and 60.0% of NN confirm with prediction and true label, resp.

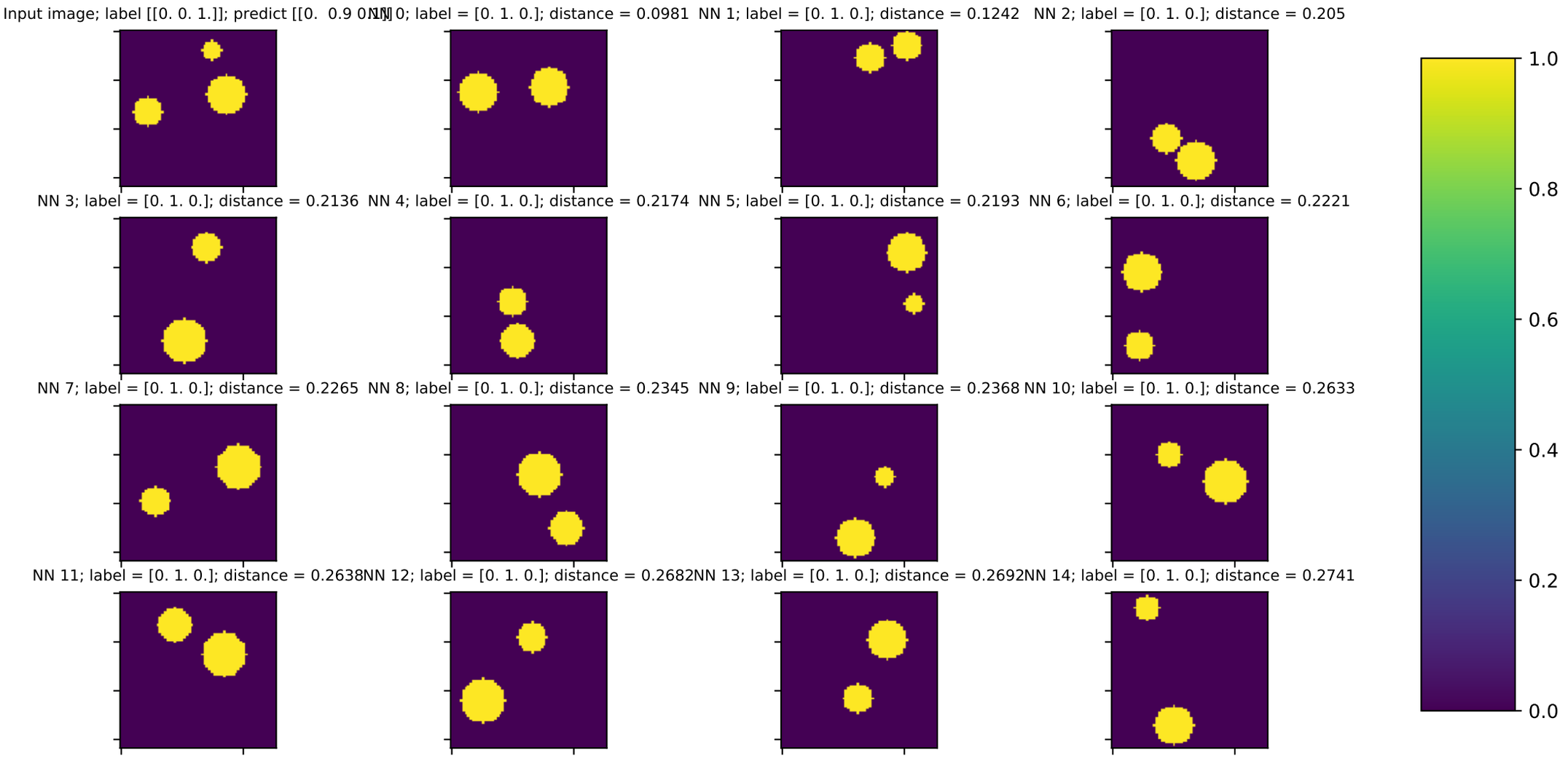


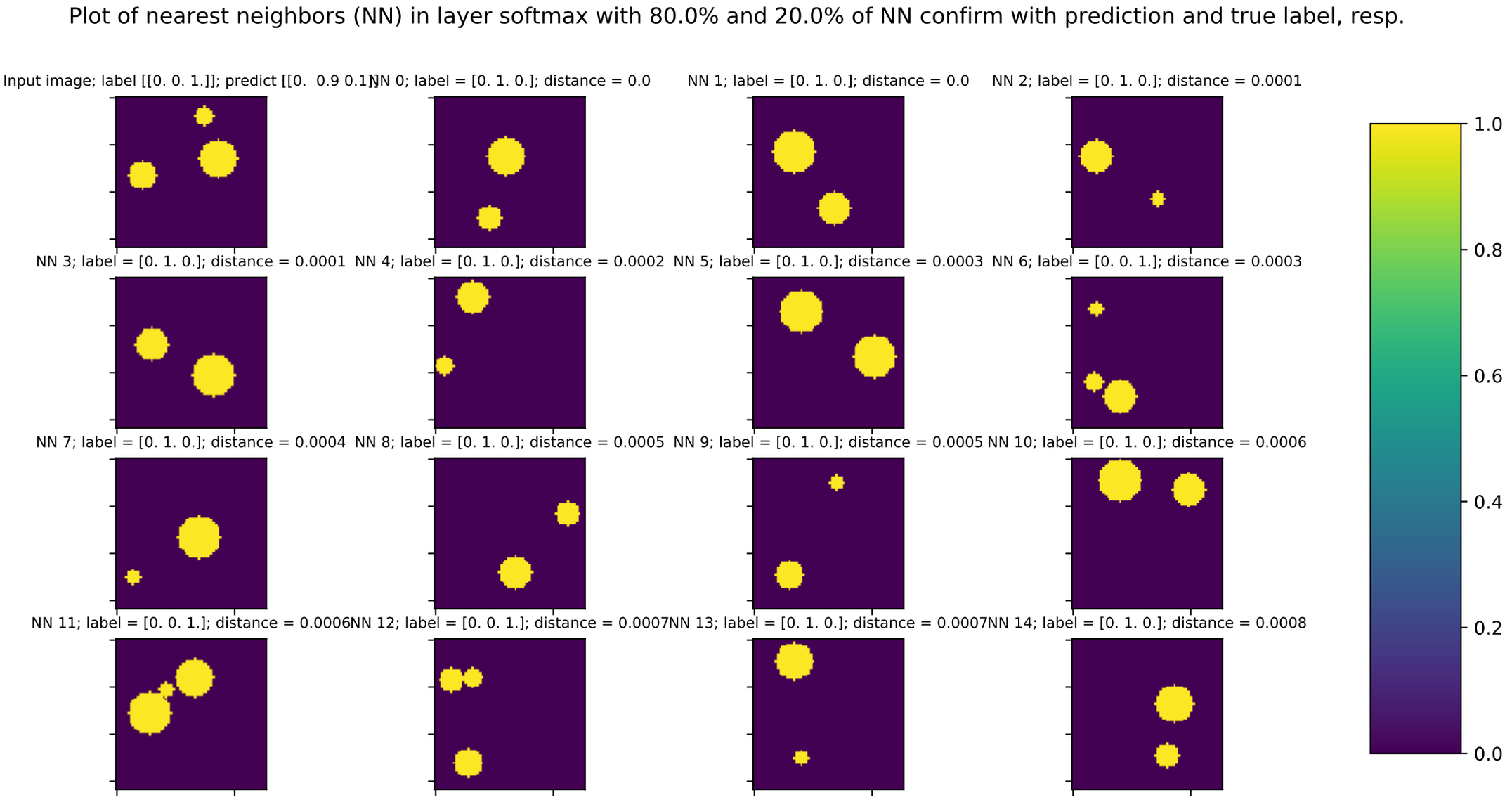

Plot of nearest neighbors (NN) in layer Dense2_40 with 80.0% and 20.0% of NN confirm with prediction and true label, resp.
Input image; label [[0. 0. 1.]]; predict [[0. 0.9 0.1]]
NN 0; label = [0. 1. 0.]; distance = 9.319
NN 1; label = [0. 1. 0.]; distance = 10.3879
NN 2; label = [0. 0. 1.]; distance = 10.4428
NN 3; label = [0. 1. 0.]; distance = 11.4033
NN 4; label = [0. 1. 0.]; distance = 11.5577
NN 5; label = [0. 1. 0.]; distance = 11.6078
NN 6; label = [0. 0. 1.]; distance = 12.0451
NN 7; label = [0. 1. 0.]; distance = 12.3899
NN 8; label = [0. 0. 1.]; distance = 12.4456
NN 9; label = [0. 1. 0.]; distance = 12.6605
NN 10; label = [0. 1. 0.]; distance = 12.8227
NN 11; label = [0. 1. 0.]; distance = 12.8996
NN 12; label = [0. 1. 0.]; distance = 12.9188
NN 13; label = [0. 1. 0.]; distance = 13.0331
NN 14; label = [0. 1. 0.]; distance = 13.2103
1.0
0.8
0.6
0.4
0.2
0.0

Plot of nearest neighbors (NN) in layer relu2 with 93.33% and 6.67% of NN confirm with prediction and true label, resp.



Plot of nearest neighbors (NN) in layer Dense3_3 with 100.0% and 0.0% of NN confirm with prediction and true label, resp.




Plot of nearest neighbors (NN) in layer softmax with 80.0% and 20.0% of NN confirm with prediction and true label, resp.
Input image; label [[0. 0. 1.]]; predict [[0. 0.9 0.1]]
NN 0; label = [0. 1. 0.]; distance = 0.0
NN 1; label = [0. 1. 0.]; distance = 0.0
NN 2; label = [0. 1. 0.]; distance = 0.0001
NN 3; label = [0. 1. 0.]; distance = 0.0001
NN 4; label = [0. 1. 0.]; distance = 0.0002
NN 5; label = [0. 1. 0.]; distance = 0.0003
NN 6; label = [0. 0. 1.]; distance = 0.0003
NN 7; label = [0. 1. 0.]; distance = 0.0004
NN 8; label = [0. 1. 0.]; distance = 0.0005
NN 9; label = [0. 1. 0.]; distance = 0.0005
NN 10; label = [0. 1. 0.]; distance = 0.0006
NN 11; label = [0. 0. 1.]; distance = 0.0006
NN 12; label = [0. 0. 1.]; distance = 0.0007
NN 13; label = [0. 1. 0.]; distance = 0.0007
NN 14; label = [0. 1. 0.]; distance = 0.0008
1.0
0.8
0.6
0.4
0.2
0.0