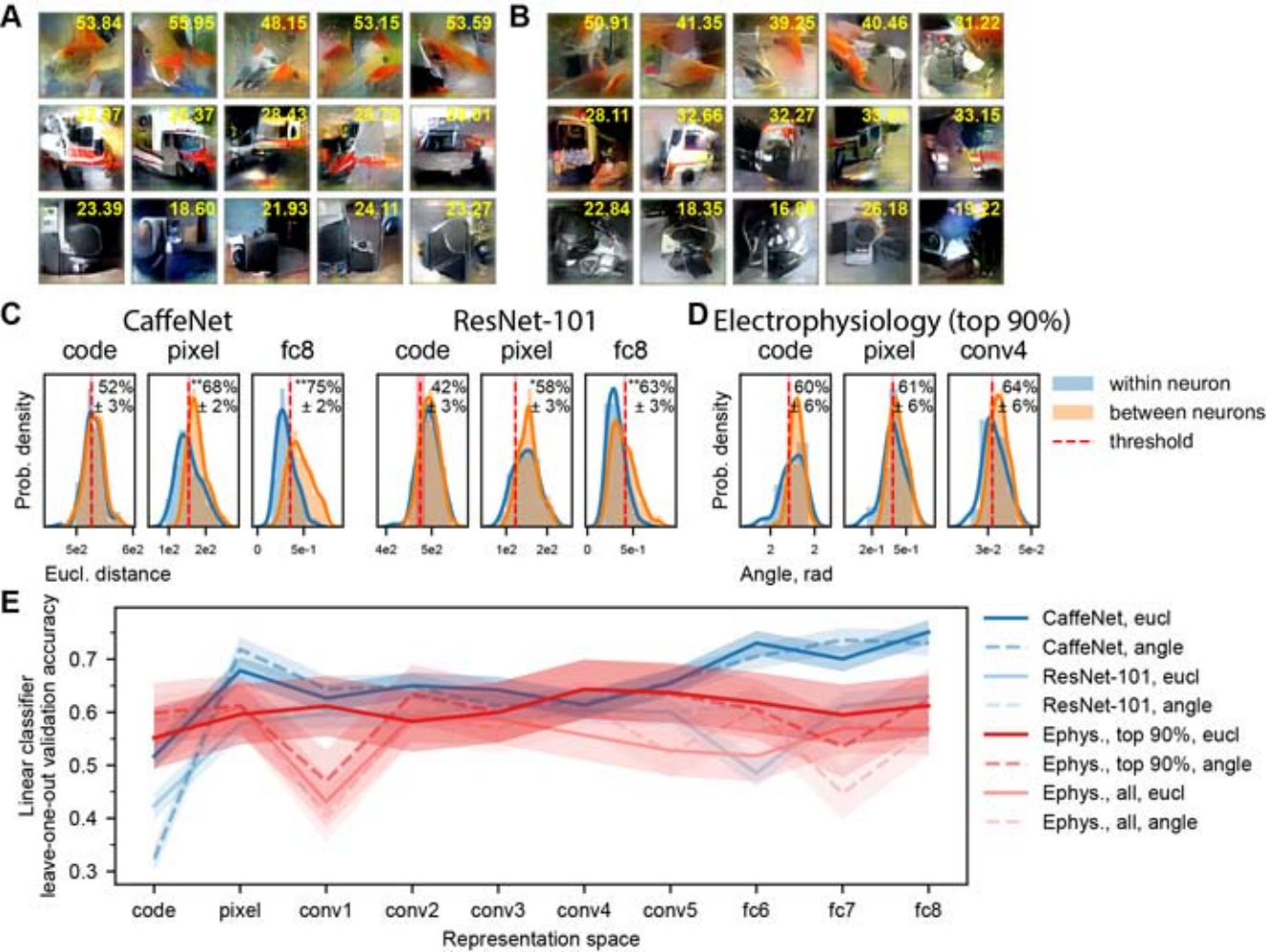
A
53.84
55.95
48.15
53.15
53.59
23.39
18.60
21.93
24.11
23.27
B
50.91
41.35
39.25
40.46
31.22
28.11
32.66
32.27
33.15
22.84
18.35
16.88
26.18
19.22
C
CaffeNet
code
pixel
fc8
52%
± 3%
**68%
± 2%
**75%
± 2%
ResNet-101
code
pixel
fc8
42%
± 3%
*58%
± 3%
**63%
± 3%
Prob. density
Eucl. distance
D
Electrophysiology (top 90%)
code
pixel
conv4
60%
± 6%
61%
± 6%
64%
± 6%
Prob. density
Angle, rad
within neuron
between neurons
threshold
E
Linear classifier
leave-one-out validation accuracy
0.7
0.6
0.5
0.4
0.3
code
pixel
conv1
conv2
conv3
conv4
conv5
fc6
fc7
fc8
Representation space
CaffeNet, eucl
CaffeNet, angle
ResNet-101, eucl
ResNet-101, angle
Ephys., top 90%, eucl
Ephys., top 90%, angle
Ephys., all, eucl
Ephys., all, angle