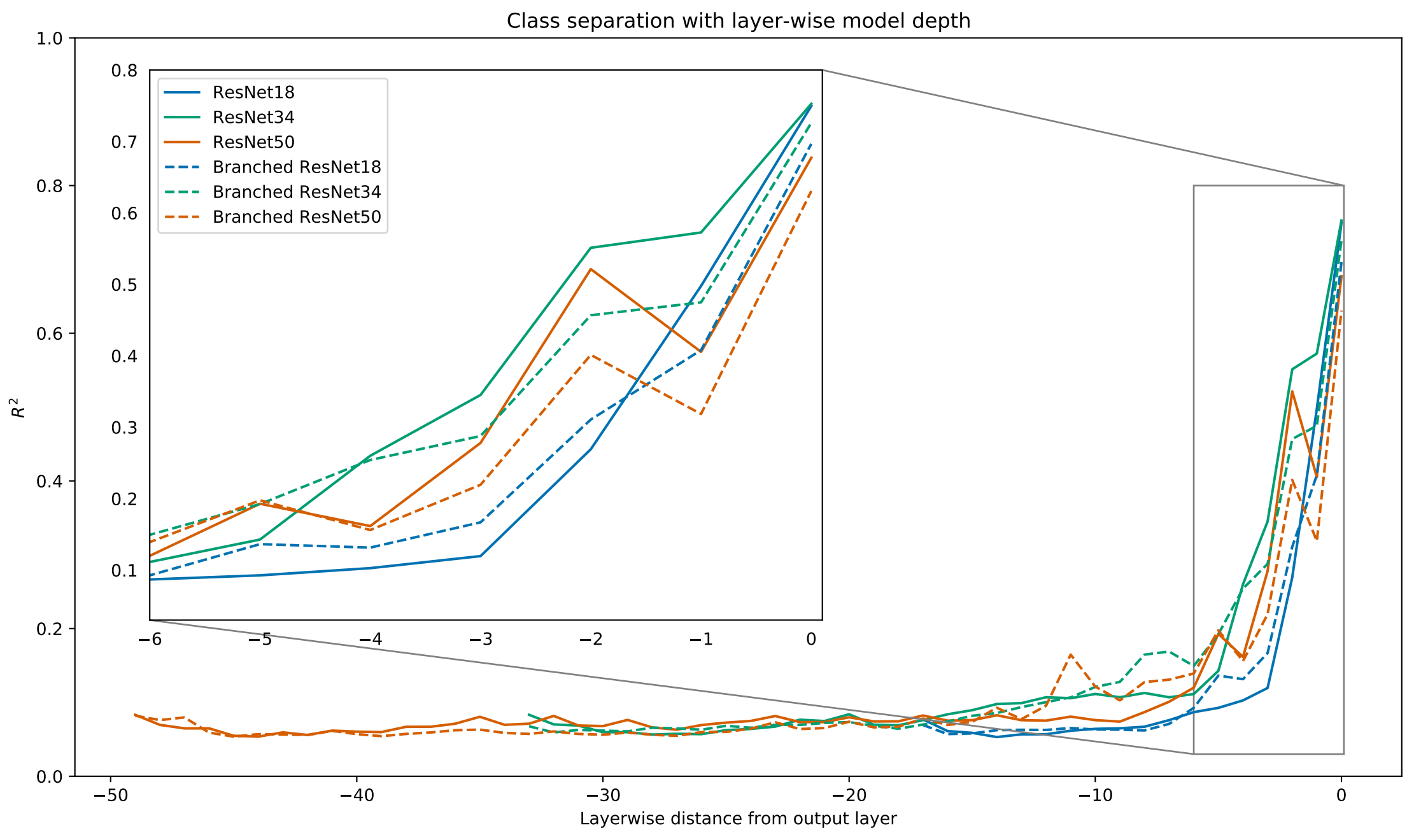
Class separation with layer-wise model depth
ResNet18
ResNet34
ResNet50
Branched ResNet18
Branched ResNet34
Branched ResNet50
R^2
Layerwise distance from output layer
1.0
0.8
0.6
0.4
0.2
0.0
−50
−40
−30
−20
−10
0
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
−6
−5
−4
−3
−2
−1
0