|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Encoder** | **Super-1** | **Super-2** | **Super-3** | **Super-4** | **EBC-1** | **EBC-2** | **EBC-3** |
| DenseNet12127 | - | - | - | - | 89.1% ± 6.2% | 80.9% ± 10.8% | 38.3% ± 5.3% |
| DenseNet16127 | - | - | - | - | 90.9% ± 4.8% | 86.1% ± 5.5% | 39.6% ± 2.9% |
| DenseNet16927 | - | - | - | - | 90.8% ± 4.7% | 81.5% ± 9.2% | - |
| DenseNet20127 | - | - | - | - | 90.3% ± 5.1% | **86.5% ± 4.8%** | - |
| dpn10728 | - | - | - | - | 90.7% ± 5.6% | 80.7% ± 22.1% | - |
| dpn13128 | - | - | - | - | 86.7% ± 18.0% | 79.8% ± 16.8% | - |
| dpn6828 | - | - | - | - | 74.6% ± 29.2% | 61.9% ± 27.1% | 40.1% ± 5.2% |
| dpn68b28 | - | - | - | - | 69.6% ± 29.6% | 56.9% ± 29.4% | 36.5% ± 8.5% |
| dpn9228 | - | - | - | - | 84.1% ± 17.8% | 78.3% ± 12.3% | - |
| dpn9828 | - | - | - | - | 87.1% ± 17.9% | 72.9% ± 26.9% | - |
| EfficientNet-b019 | 77.7% ± 23.9% | 56.9% ± 14.3% | 51.1% ± 12.6% | 53.7% ± 15.8% | 59.0% ± 41.5% | 55.9% ± 32.7% | 34.7% ± 16.9% |
| EfficientNet-b119 | 66.9% ± 26.4% | 62.9% ± 19.5% | 52.8% ± 19.7% | 58.7% ± 13.9% | 60.0% ± 40.7% | 57.1% ± 33.7% | 40.7% ± 7.1% |
| EfficientNet-b219 | 65.1% ± 26.0% | 66.9% ± 21.6% | 51.1% ± 18.4% | **59.4% ± 14.6%** | 68.6% ± 36.0% | 57.6% ± 33.6% | - |
| EfficientNet-b319 | 69.4% ± 26.9% | 68.1% ± 22.0% | 62.4% ± 19.1% | 59.2% ± 11.4% | 71.6% ± 33.9% | 60.0% ± 33.0% | - |
| EfficientNet-b419 | 74.8% ± 26.0% | 67.9% ± 18.7% | 58.9% ± 15.2% | 57.2% ± 13.9% | 70.3% ± 35.3% | 61.4% ± 33.0% | - |
| EfficientNet-b519 | 76.3% ± 23.0% | 70.5% ± 22.5% | 61.3% ± 17.2% | 57.7% ± 17.3% | 73.4% ± 35.6% | 64.6% ± 31.3% | 36.4% ± 17.0% |
| Inception-ResNet-V229 | 94.5% ± 3.1% | 64.4% ± 12.2% | 63.0% ± 11.0% | 43.1% ± 11.1% | 87.9% ± 10.4% | 75.6% ± 25.7% | 38.2% ± 5.2% |
| Inception-V429 | 91.6% ± 8.8% | 76.2% ± 19.9% | **69.1% ± 13.3%** | 48.6% ± 12.1% | 84.0% ± 26.4% | 73.2% ± 26.9% | 39.3% ± 6.3% |
| MobileNet-V230 | - | - | - | - | 71.3% ± 34.5% | 60.5% ± 34.2% | 45.7% ± 6.5% |
| ResNet-10131 | - | - | - | - | 86.4% ± 18.1% | 76.1% ± 15.7% | 38.5% ± 8.6% |
| ResNet-15231 | - | - | - | - | 86.2% ± 18.7% | 75.5% ± 23.7% | - |
| ResNet-1831 | - | - | - | - | 89.8% ± 5.9% | 82.1% ± 7.3% | - |
| ResNet-3431 | 94.3% ± 2.1% | 57.9% ± 11.7% | 59.5% ± 7.2% | 35.8% ± 11.3% | 91.1% ± 5.3% | 80.2% ± 9.7% | - |
| ResNet-5031 | 91.2% ± 7.2% | 48.9% ± 11.9% | 55.3% ± 5.9% | 32.2% ± 9.4% | 82.5% ± 24.2% | 81.2% ± 9.6% | 38.2% ± 3.4% |
| ResNeXt-101\_32x8d32 | 95.3% ± 1.5% | 57.5% ± 12.1% | 57.3% ± 4.4% | 39.8% ± 8.8% | - | - | - |
| Resnext-50\_32x4d32 | 90.9% ± 8.9% | 54.7% ± 11.6% | 54.6% ± 7.8% | 39.0% ± 9.6% | 81.9% ± 23.9% | 69.9% ± 27.0% | 33.4% ± 5.1% |
| SE\_ResNet-10133 | 93.3% ± 8.4% | 66.4% ± 13.1% | 57.8% ± 9.4% | 47.7% ± 11.2% | 93.3% ± 4.0% | 84.6% ± 7.8% | 42.4% ± 6.6% |
| SE\_ResNet-15233 | 95.2% ± 1.9% | 60.6% ± 12.5% | 57.4% ± 6.0% | 38.6% ± 9.3% | 93.0% ± 4.4% | 82.7% ± 19.2% | 40.2% ± 4.1% |
| SE\_ResNet-5033 | 94.8% ± 4.3% | 63.1% ± 15.3% | 57.3% ± 5.4% | 39.8% ± 9.2% | 88.9% ± 18.2% | 81.6% ± 14.6% | **47.3% ± 8.2%** |
| SE\_ResNeXt-101\_32x4d32 | 95.4% ± 1.3% | 67.3% ± 19.3% | 60.8% ± 13.5% | 44.2% ± 8.6% | 91.8% ± 6.0% | 79.5% ± 18.7% | 45.6% ± 5.3% |
| SE\_ResNeXt-50\_32x4d32 | **96.0% ± 0.3%** | 67.3% ± 17.4% | 59.6% ± 5.1% | 44.4% ± 9.4% | **92.6% ± 4.0%** | 83.3% ± 14.0% | 41.6% ± 2.5% |
| SENet-15433 | 94.5% ± 4.2% | **76.6% ± 17.5%** | 63.2% ± 12.7% | 51.0% ± 15.0% | 91.9% ± 6.7% | 75.9% ± 30.0% | 42.2% ± 4.5% |
| VGG-13\_bn34 | 94.2% ± 6.6% | 65.2% ± 17.8% | 64.3% ± 14.8% | 46.6% ± 15.0% | - | - | - |
| VGG-16\_bn34 | 95.2% ± 2.1% | 66.6% ± 19.0% | 66.2% ± 14.7% | 40.2% ± 17.0% | 87.5% ± 18.7% | 84.0% ± 5.1% | 33.8% ± 8.4% |
| Xception35 | 93.8% ± 4.5% | 61.3% ± 10.8% | 54.1% ± 7.8% | 39.3% ± 9.9% | 92.0% ± 5.1% | 74.6% ± 33.9% | 42.5% ± 9.7% |