1 Exemplars of Untrained Network

For an untrained ResNet-50 model, we visualize the features the first channel of various layers is responsive to. We use the same format as Fig. 24 and 25 of the manuscript, i.e., for each unit, we show the 20 least (left) and 20 most (right) activating dataset exemplars.
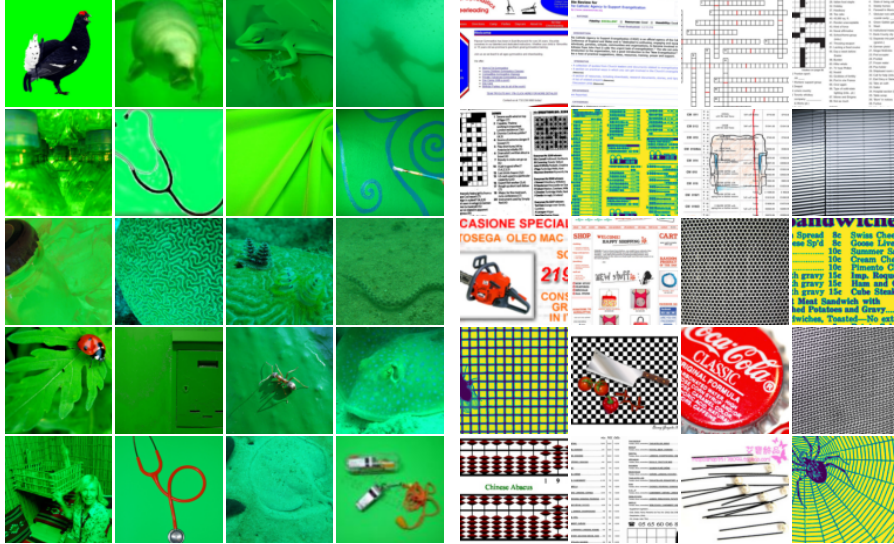

Figure 1: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer1_0_conv1.
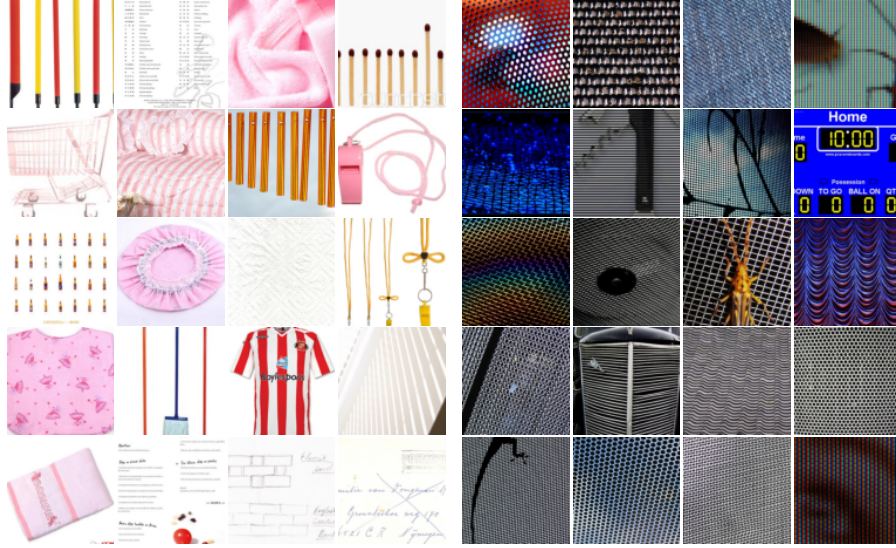
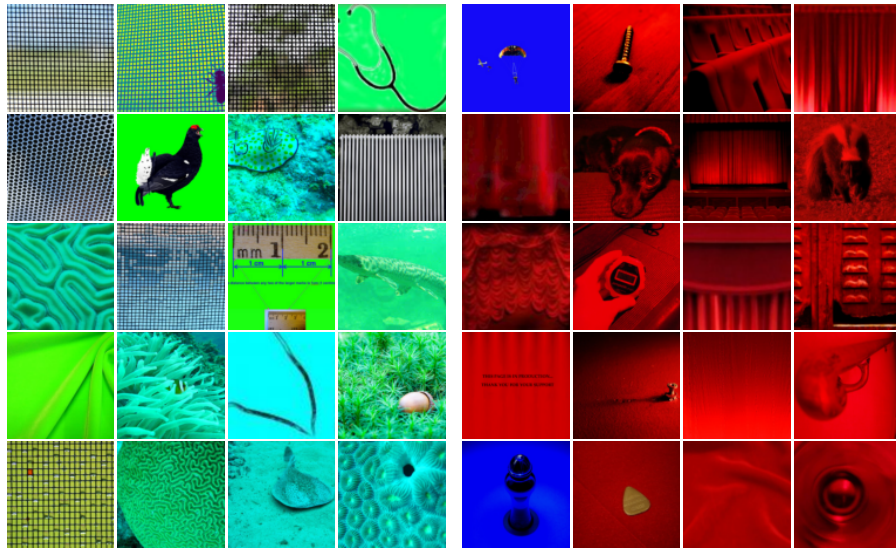Figure 2: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer1_1_conv1.

Figure 3: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer1_2_conv1.
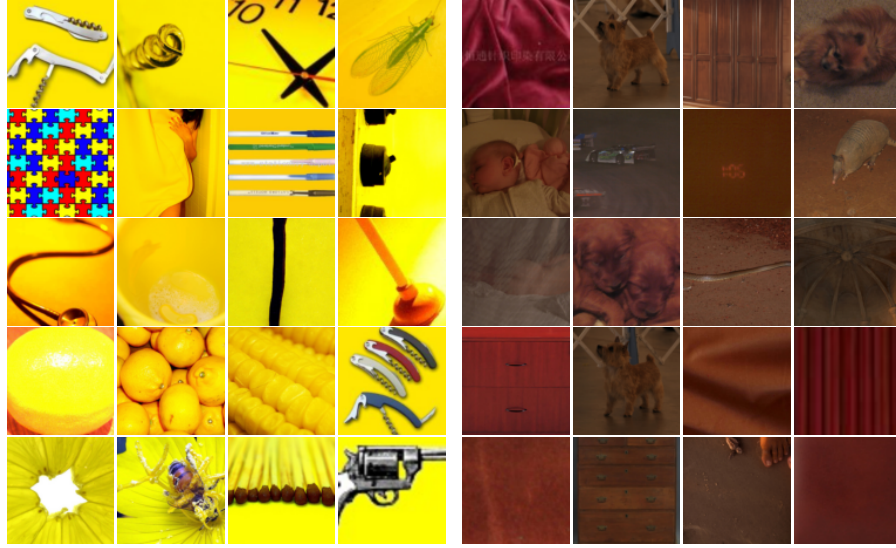
Figure 4: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer2_0_conv1.

Figure 5: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer2_1_conv1.
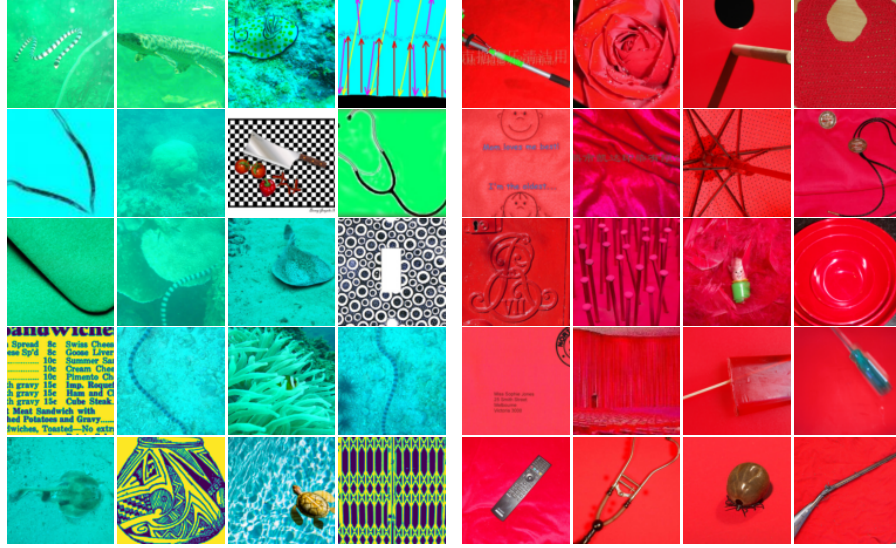
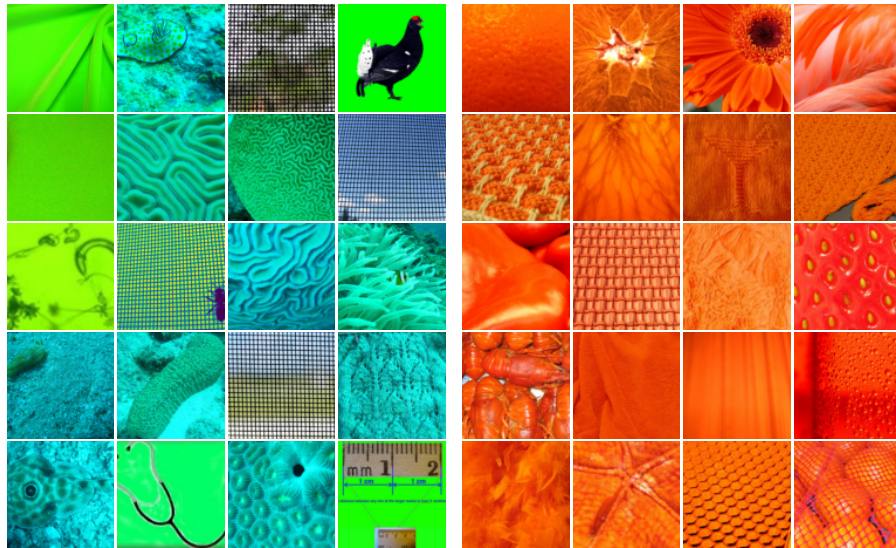Figure 6: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer2_2_conv1.

Figure 7: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer2_3_conv1.

Figure 8: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer3_0_conv1.
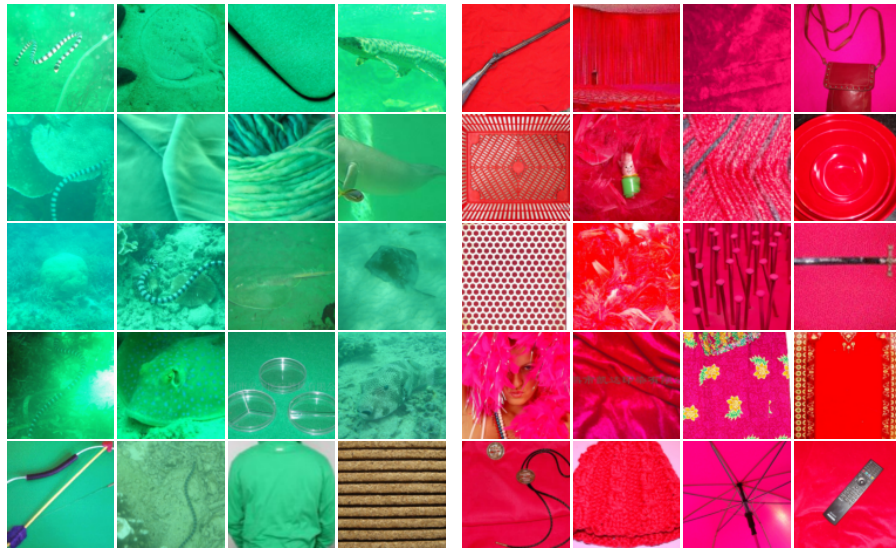

Figure 9: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer3_1_conv1.
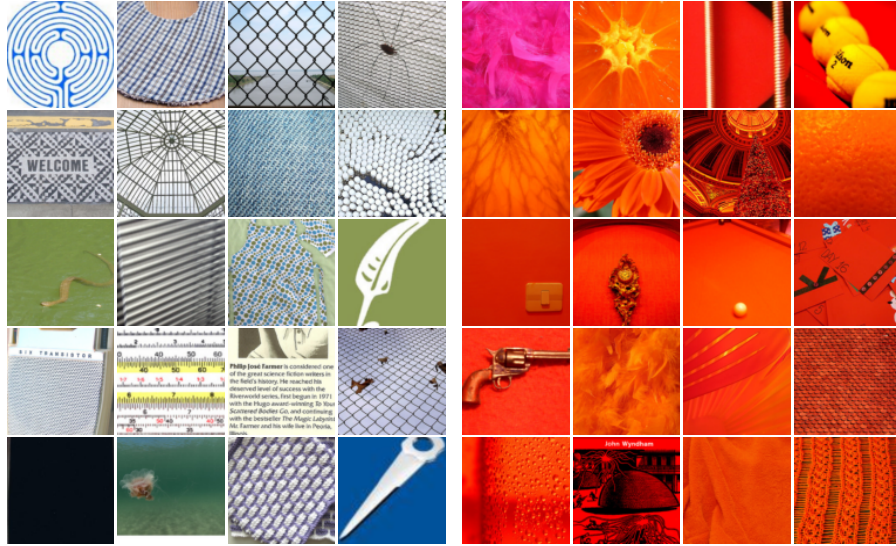
Figure 10: Dataset exemplars yielding low (left) and high (right) activation for unit 0 of layer layer3_2_conv1.