





c:  $\Delta_d = 4000$ 

 $L_2$  Dist: 40.2

a: Starting Image  $L_2$  Dist: 0

b:  $\Delta_d = 1800 \text{ (BL)}$  $L_2 \text{ Dist: } 15.2$ 

Figure 2: Detection avoidance attack on PhotoDNA. The starting image is on the left. The center image is the baseline avoidant image with a hash distance of 1800 from the starting image, and the rightmost image

the baseline avoidant image with a hash distance of 1800 from the starting image, and the rightmost image is an avoidant image with a hash distance of 4000. The images also show the  $L_2$  similarity metric between the starting image and each avoidant image.