To reveal extremely tedious scribbling in the original manga colorization image (top left) we enhanced thin scribbles that are almost invisible in the original image.
Additional results
Additional results
Labelling difference between $\alpha$-expansion and our algorithm

Blocks (7 colors)

$\alpha$-expansion  
our algorithm (18x faster)

labelling difference

Examples on the following pages show labelling differences for paintings listed in the Table 1.
Bottle (3 colors)

$\alpha$-expansion  our algorithm (3x faster)

labelling difference
Robber (6 colors)

$\alpha$-expansion our algorithm (17x faster)

labelling difference
Footman (9 colors)

$\alpha$-expansion \hspace{1cm} \text{our algorithm (9x faster)}

labelling difference
Boy (7 colors)

$\alpha$-expansion  our algorithm (17x faster)

labelling difference
Picnic (7 colors)

$\alpha$-expansion  our algorithm (17x faster)

labelling difference
Manga (11 colors)

α-expansion  
our algorithm (16x faster)

labelling difference
Labelling difference when changing the order of color labels

This example demonstrates how sensitive is our greedy algorithm to the order of color labels (the difference is negligible except several rare ambiguities discussed in the paper).