

Supplementary Material

Is the prosthetic homologue necessary or sufficient for embodiment?

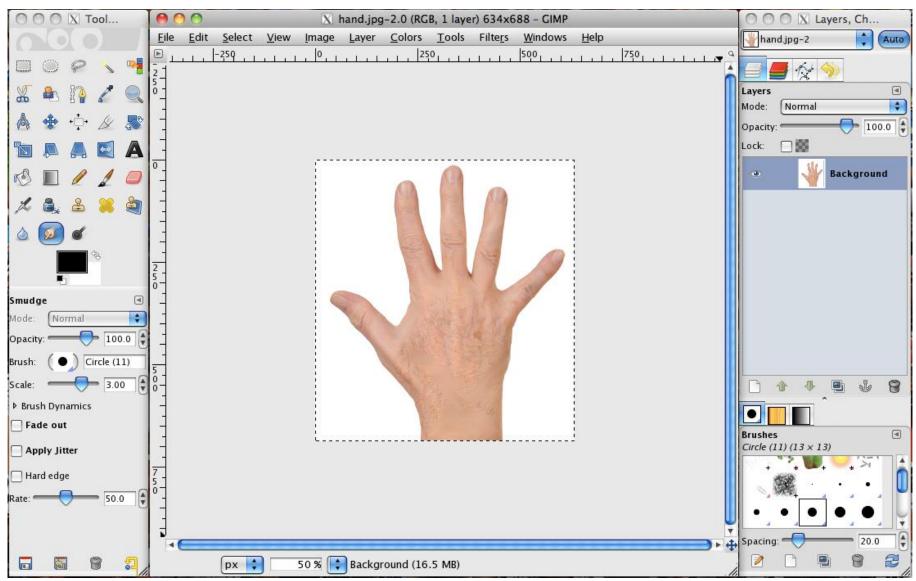
Chelsea Dornfeld^{1,2}, Michelle Swanston^{1,3}, Joseph Cassella^{1,4}, Michael Wininger^{1,5,6}

* Correspondence:

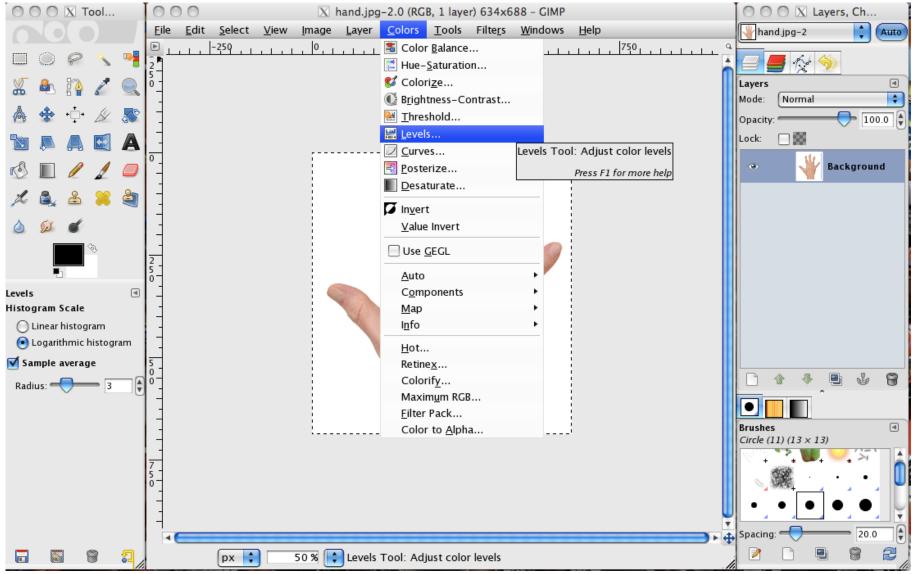
Michael Wininger Prosthetics & Orthotics Program University of Hartford 200 Bloomfield Avenue West Hartford, CT, 06117, USA wininger@hartford.edu

Supplementary Figures

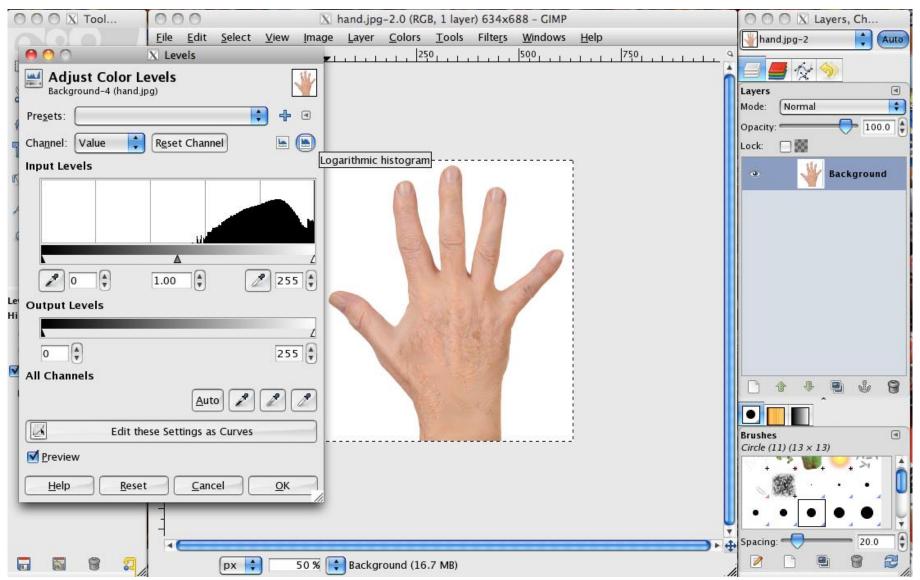
Supplementary figures follow on subsequent pages.



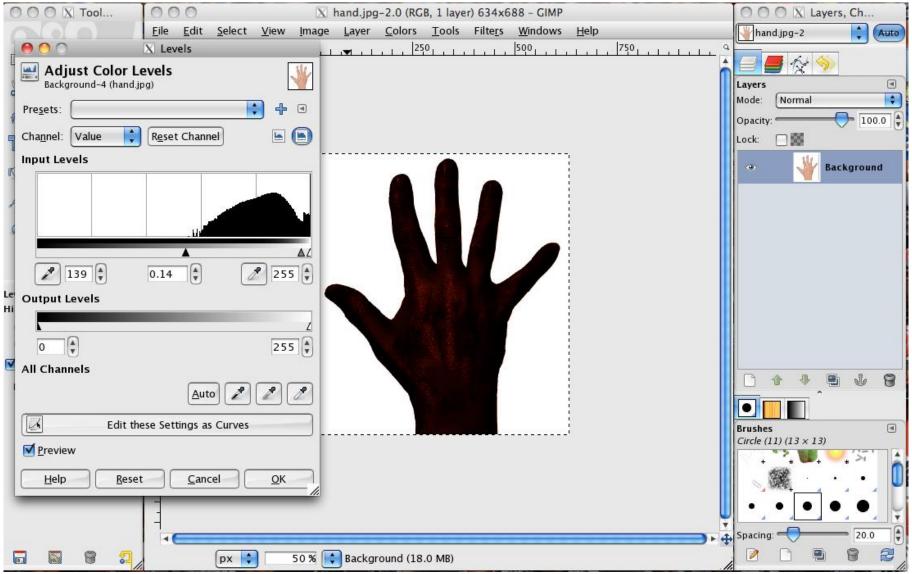
Supplementary Figure 1. STEP 1: Open image in GIMP.



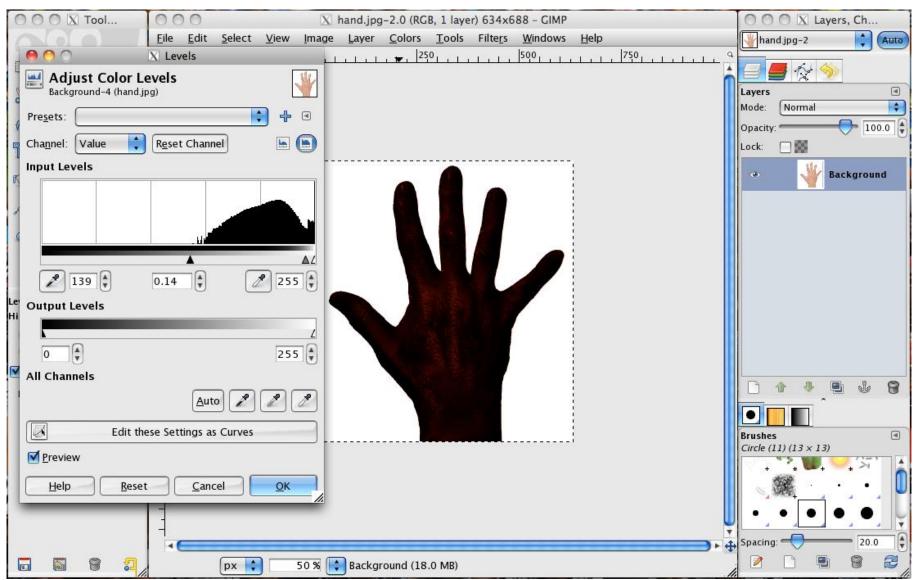
Supplementary Figure 2. STEP 2a: Access the image color level tool from Color > Levels menu.



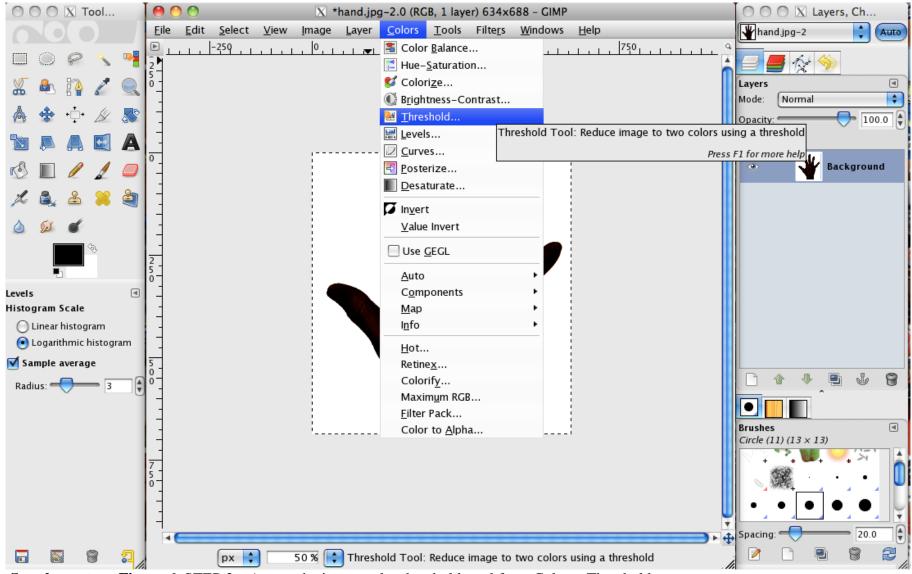
Supplementary Figure 3. STEP 2b: It may be helpful to view the histogram on Log scale (button near top-right).



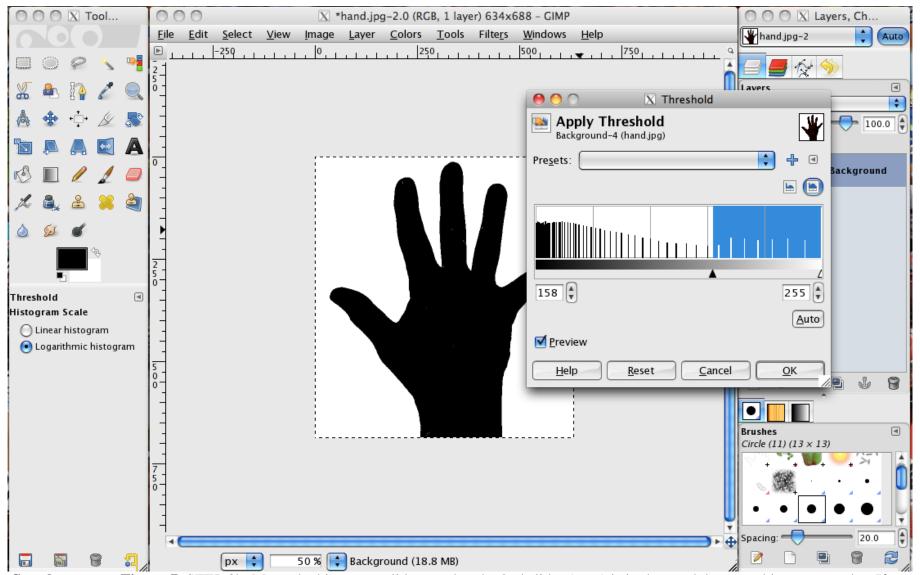
Supplementary Figure 4. STEP 2c: Move the histogram sliders so that the 2nd slider (grey) is in the notch between histogram nodes. If no notch, slide to the far right.



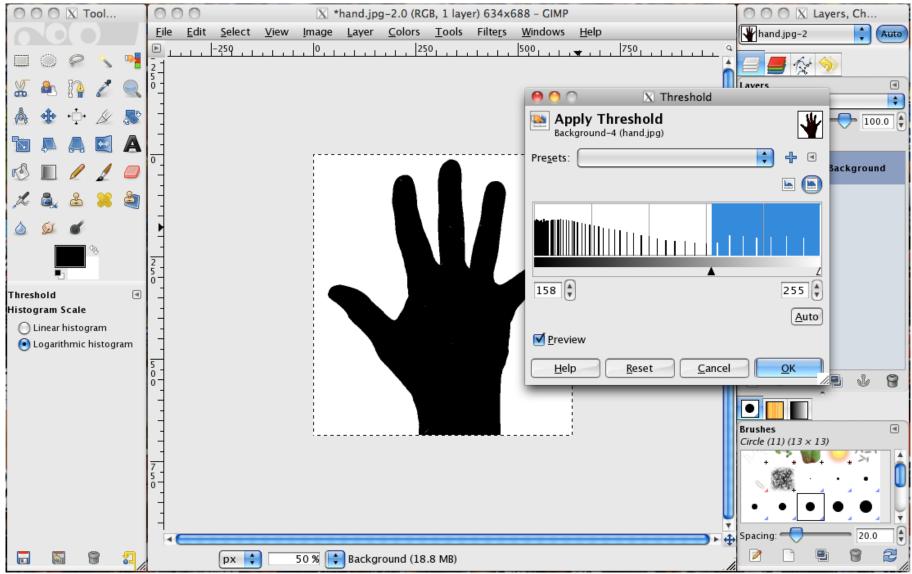
Supplementary Figure 5. STEP 2d: Click 'OK'.



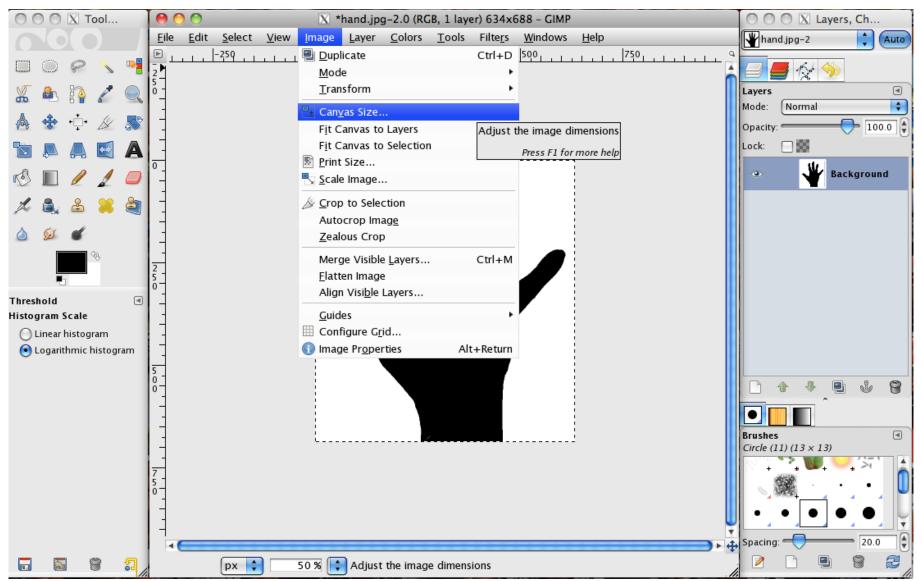
Supplementary Figure 6. STEP 3a: Access the image color threshold tool from Color > Threshold menu.



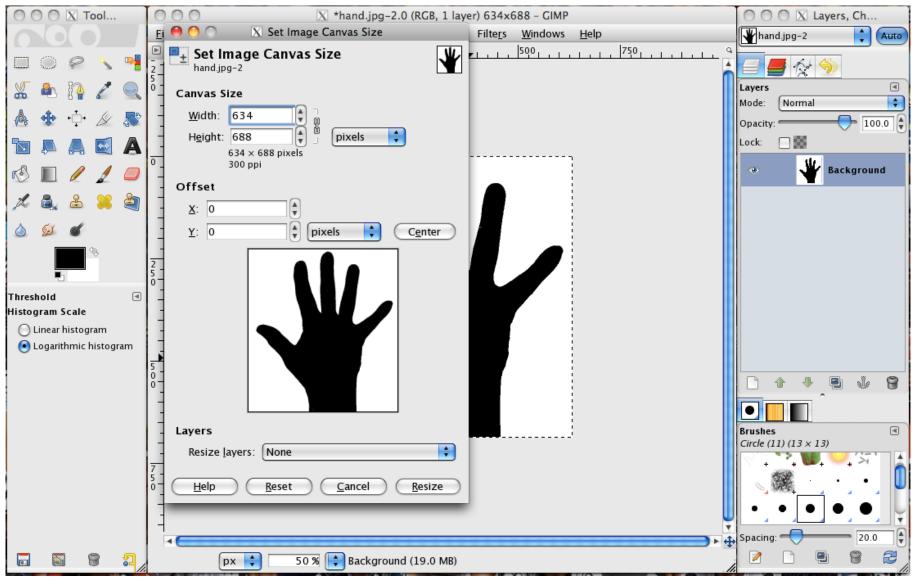
Supplementary Figure 7. STEP 3b: Move the histogram sliders so that the 2nd slider (grey) is in the notch between histogram nodes. If no notch, slide to the far right.



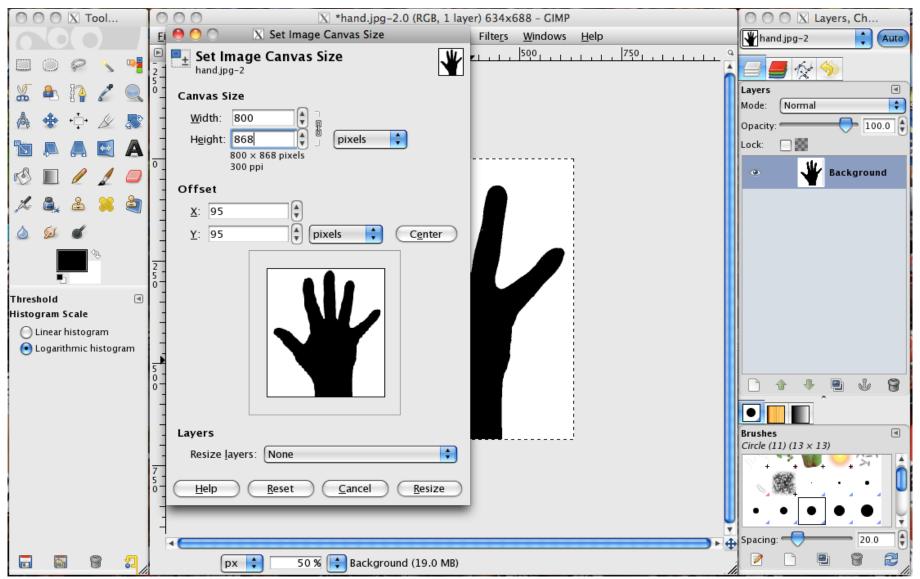
Supplementary Figure 8. STEP 3c: Click 'OK'.



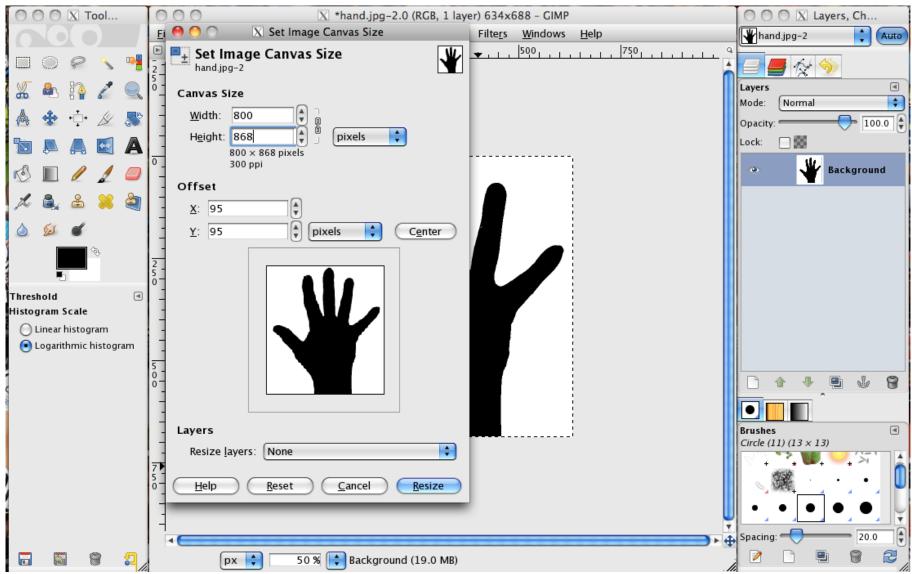
Supplementary Figure 9. STEP 4a: Access the canvas size tool from Image > Canvas Size menu.



Supplementary Figure 20. STEP 4b: The Canvas Size tool.

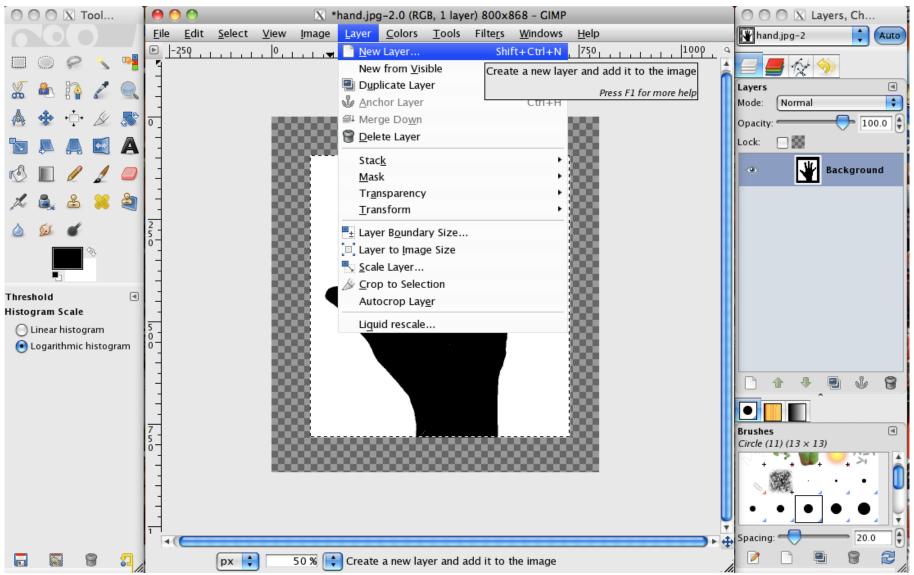


Supplementary Figure 31. STEP 4c: Increase the canvas size to an arbitrarily large size; utilize the offset to place the current image in the center of the canvas.

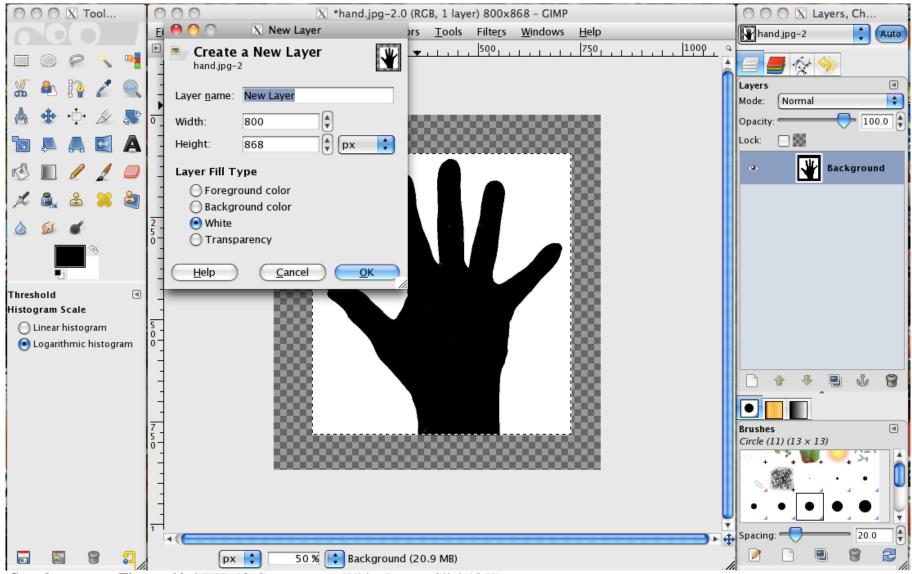


Supplementary Figure 42. STEP 4d: Click 'OK'.

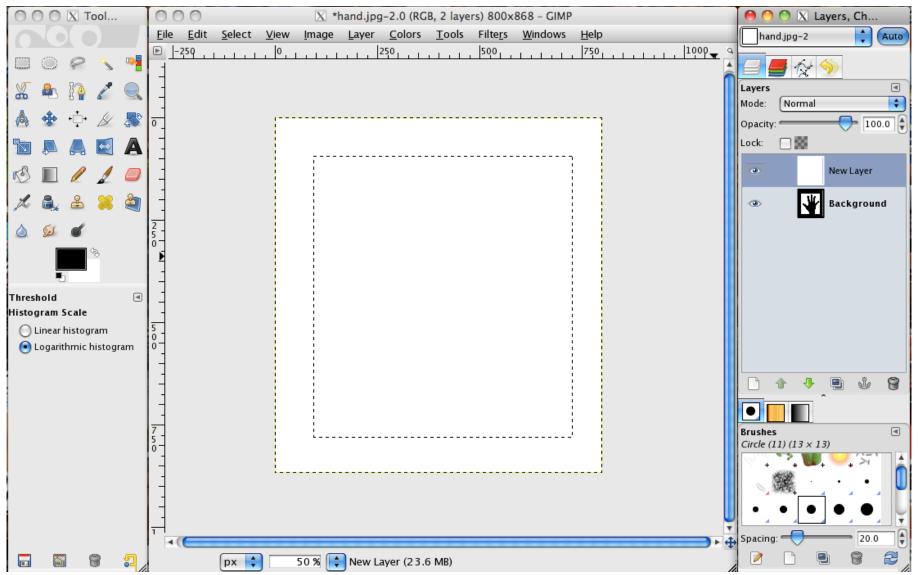
Supplementary Material



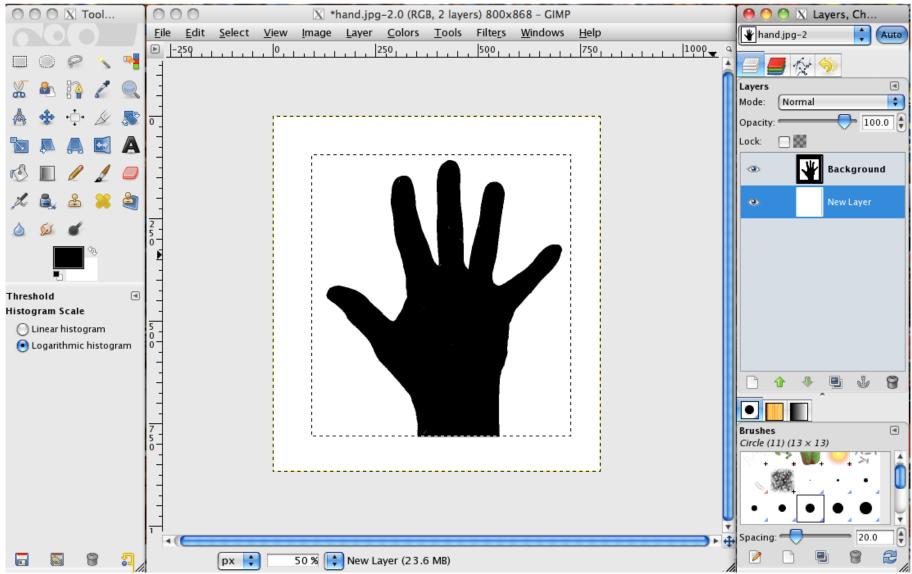
Supplementary Figure 53. STEP 4e: Access the New Layer tool via Layer > New Layer.



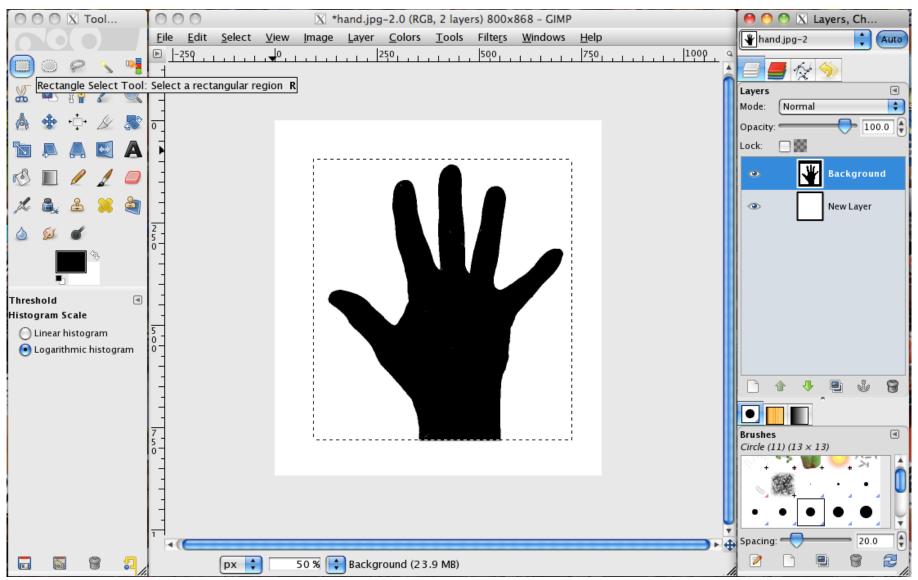
Supplementary Figure 64. STEP 4f: Create a new White Layer; Click 'OK'.



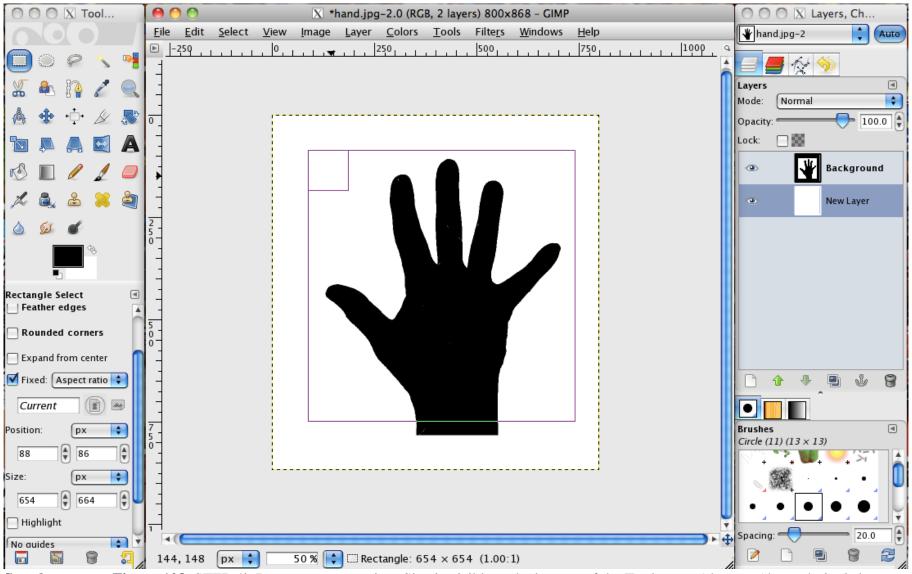
Supplementary Figure 75. STEP 4f: Layer will appear by default on top of the existing hand layer (notice Layers menu at right).



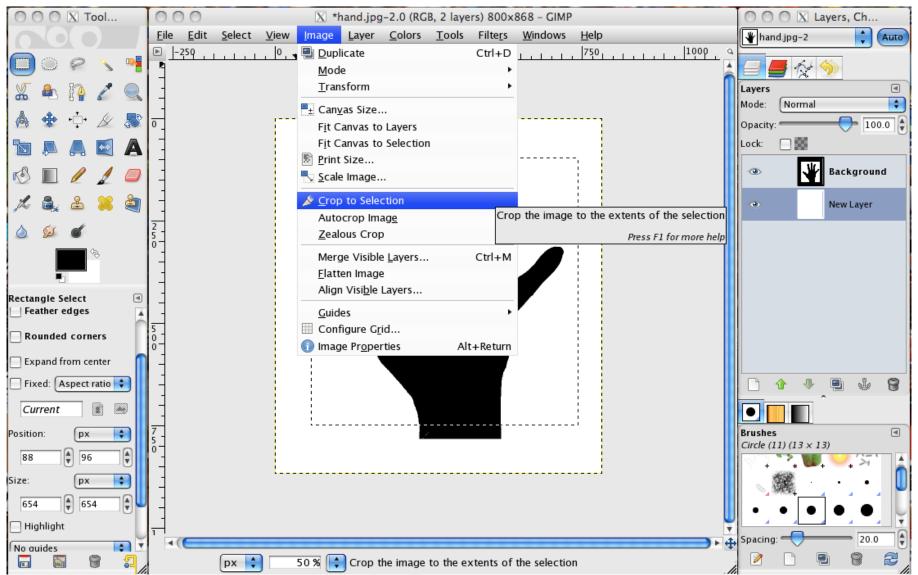
Supplementary Figure 86. STEP 4g: Move new white layer underneath the hand layer.



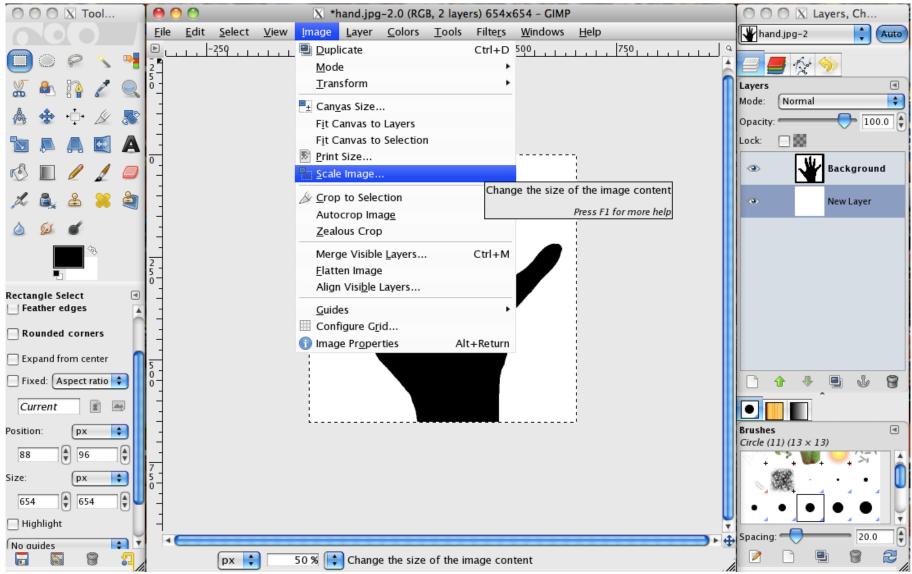
Supplementary Figure 97. STEP 4h: Access the Rectangle Select Tool from the Tool menu at left.



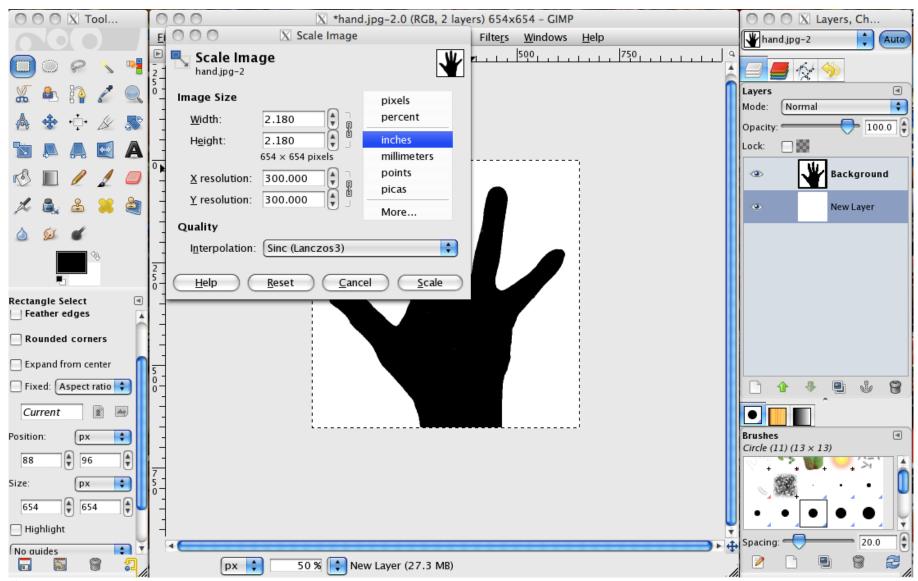
Supplementary Figure 108. STEP 4i: Drag a square section: Size is visible at the bottom of the Tool menu (shows 654 x 664 pixels here; not quite square....)



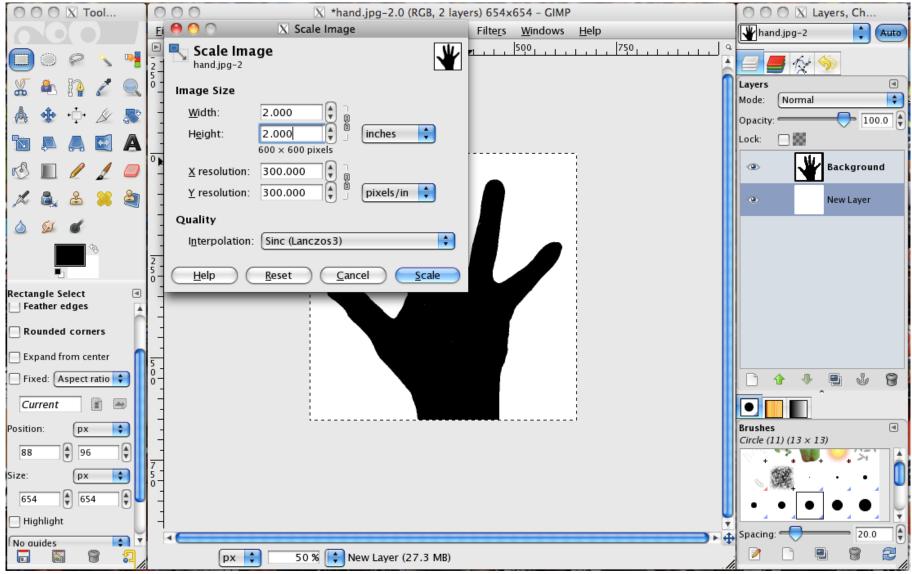
Supplementary Figure 119. STEP 4j: Crop to selection via Image > Crop to Selection (notice the Tool menu shows a square selection now: 654 x 654 pixels).



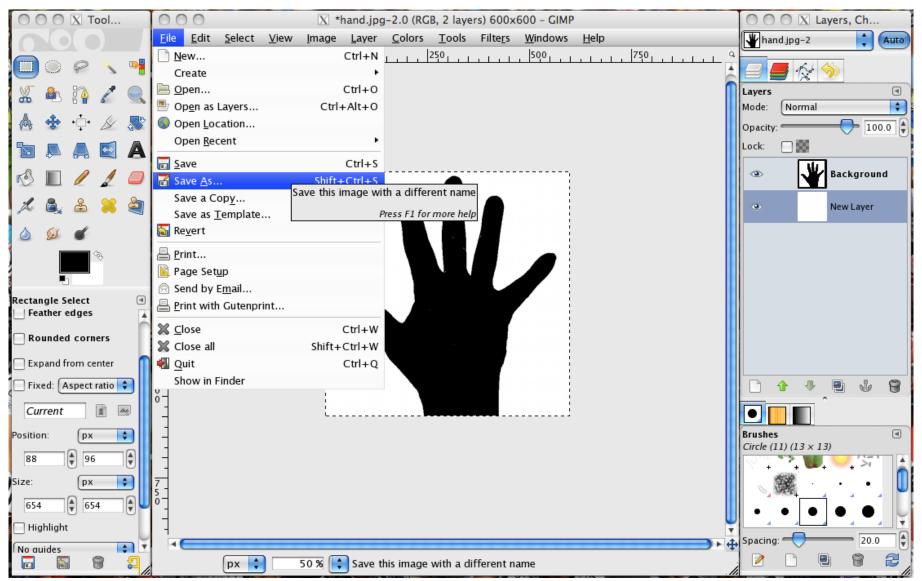
Supplementary Figure 20. STEP 4k: Access the image scaling tool from Image > Scale Image.



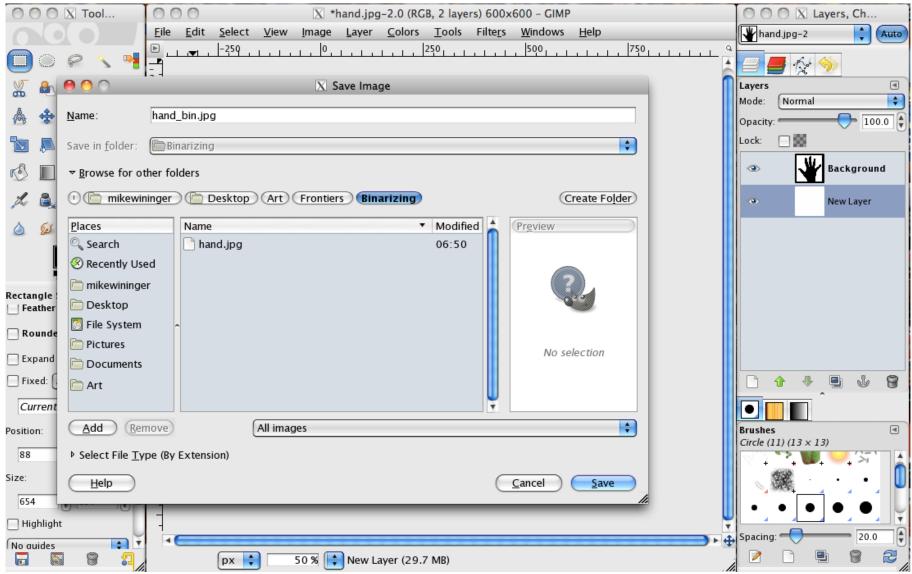
Supplementary Figure 21. STEP 41: Convert units to pre-determined unit (inches selected here).



Supplementary Figure 22. STEP 4m: Specify size for this image to pre-determined value, here: 2 inches square. Click 'OK'.

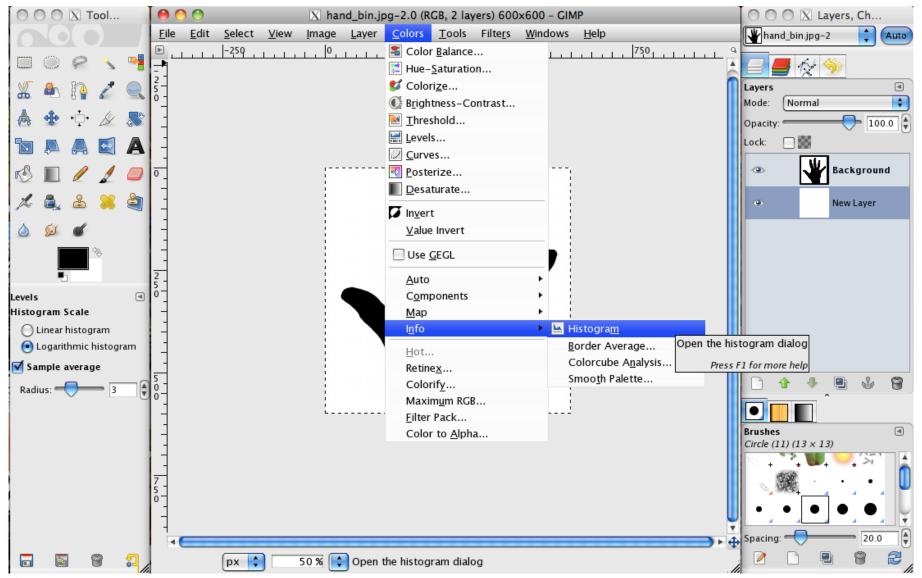


Supplementary Figure 23. STEP 5a: Access the save tool from File > Save As.

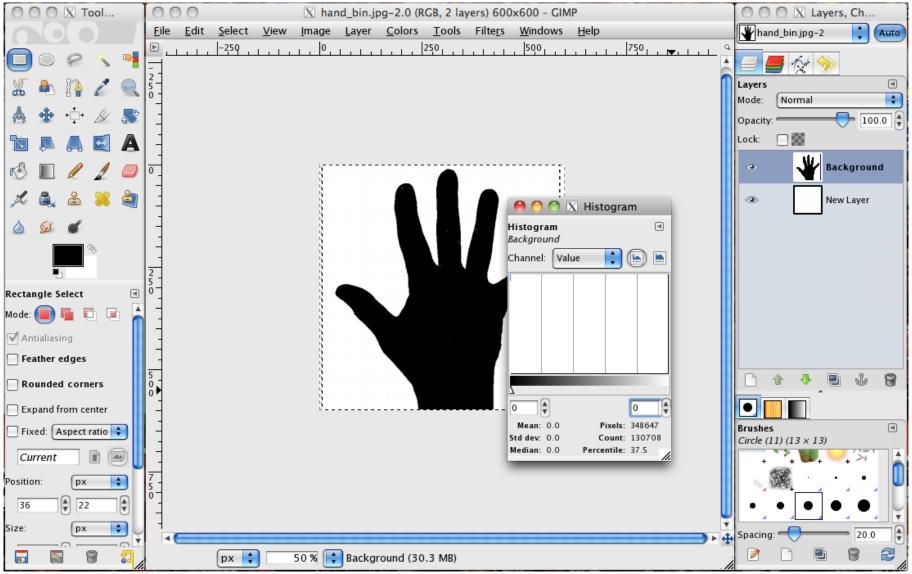


Supplementary Figure 24. STEP 5b: Save image under a different name (here suffixed with _bin).

Supplementary Material



Supplementary Figure 25. STEP 6a: Access the pixel histogram tool from Colors > Info > Histogram.



Supplementary Figure 26. STEP 5b: Specify the histogram range as counting only pixels 0 to 0 (two text boxes near bottom of tool). Note the pixel count (here: 130708 black pixels).