

## Data:

Images download link -

[https://drive.google.com/drive/folders/1dKkyDnimIR9lfifVJ0RLemkID25\\_i-AI?usp=sharing](https://drive.google.com/drive/folders/1dKkyDnimIR9lfifVJ0RLemkID25_i-AI?usp=sharing)

There are total 11,192 images to annotate. I have split them into 23 batches into separate folders (0-22) where each batch contains about 500 images. You need to annotate batchwise and send me the annotation file in a .json file (named after batch name, for example – annotation\_00.json) after completing each batch.

## Annotation Tool:

The tool used for the segmentation annotation:

<https://www.robots.ox.ac.uk/~vgg/software/via/via-1.0.5.html>

This tool allows us to draw some polygons on the pictures and assign them in specific body parts.

## Annotation Steps:

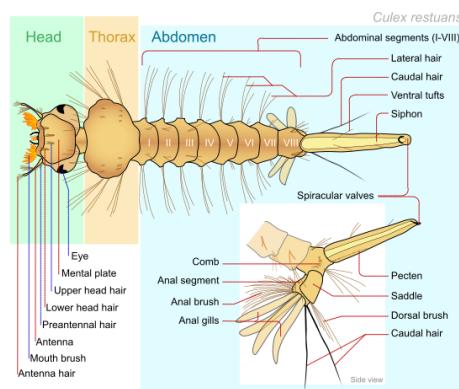


This is the interface of the annotation tool. At first you need to load the images of a specific batch which will appear in the left section (red box -1). Then you need to select the fourth shape – polygon (red box -2) as a region shape.

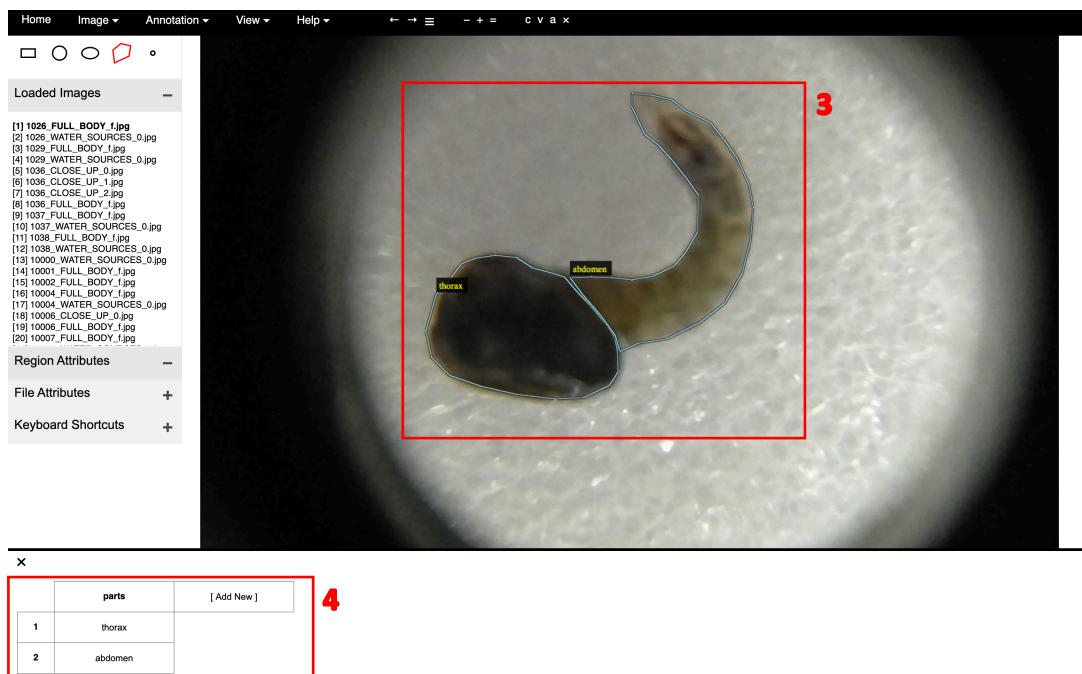
We will cover three body parts of a mosquito larva –

1. Thorax
2. Abdomen
3. Siphon

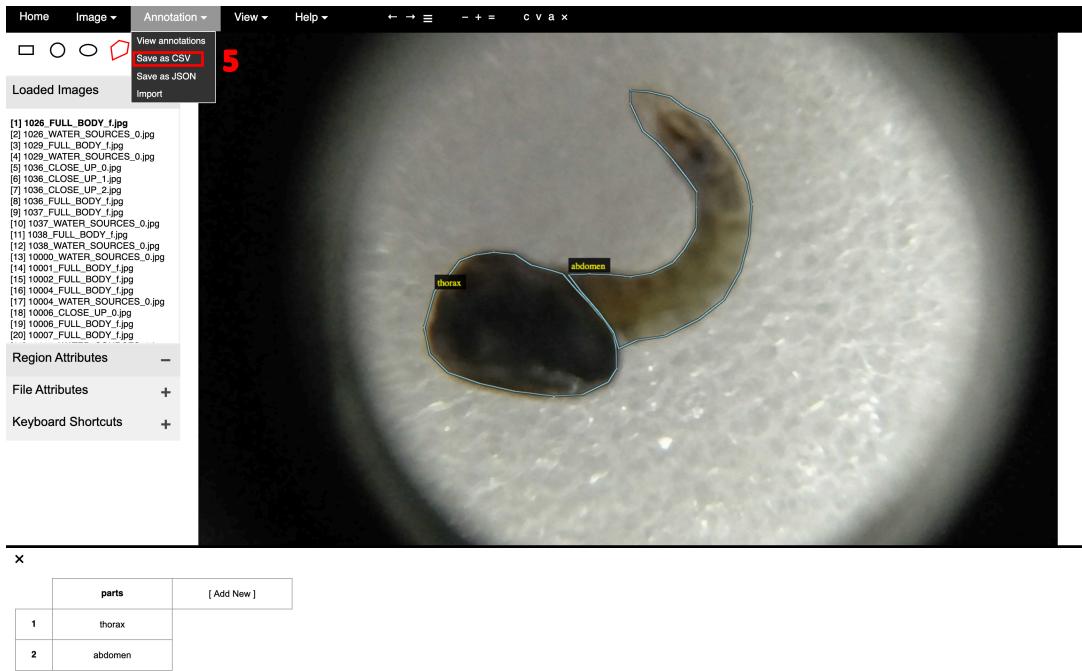
Here is a figure with the morphological structure of a mosquito larva.



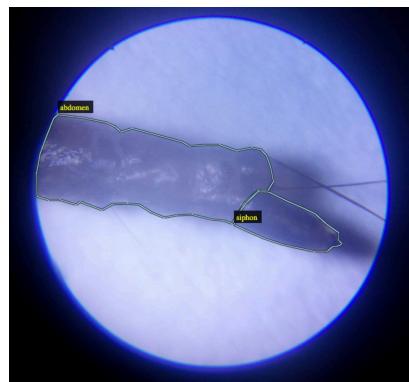
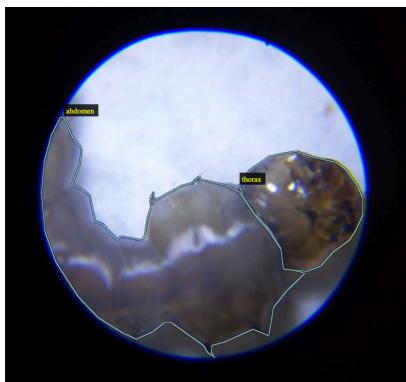
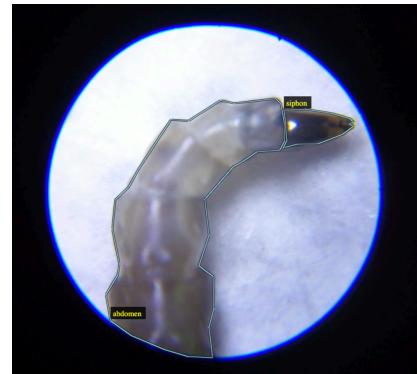
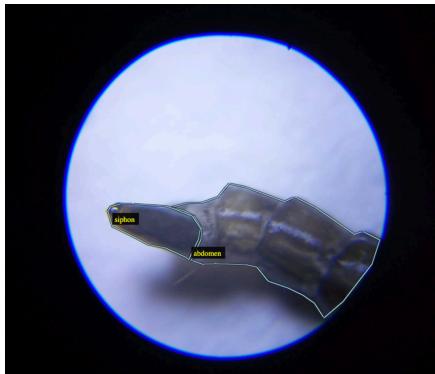
As in the following picture, after draw a polygon through a body part (red box-3), you need to set the region attributes according to the red box-4. Covering all the body parts in the same way, then you can move on to the next image.



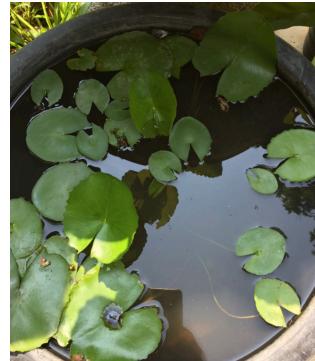
You can save the annotation through select the red box-5.



## Annotated Samples:



There will be some images (following figures are some of these examples) where the larva can be hardly detected with the body parts. You can skip them (with no region selected). If you face any confusion with any image to annotate, please note down the name of the image and send me the list.



After reading all of these, if you have any confusion/question about anything regarding the annotation, please let me know.