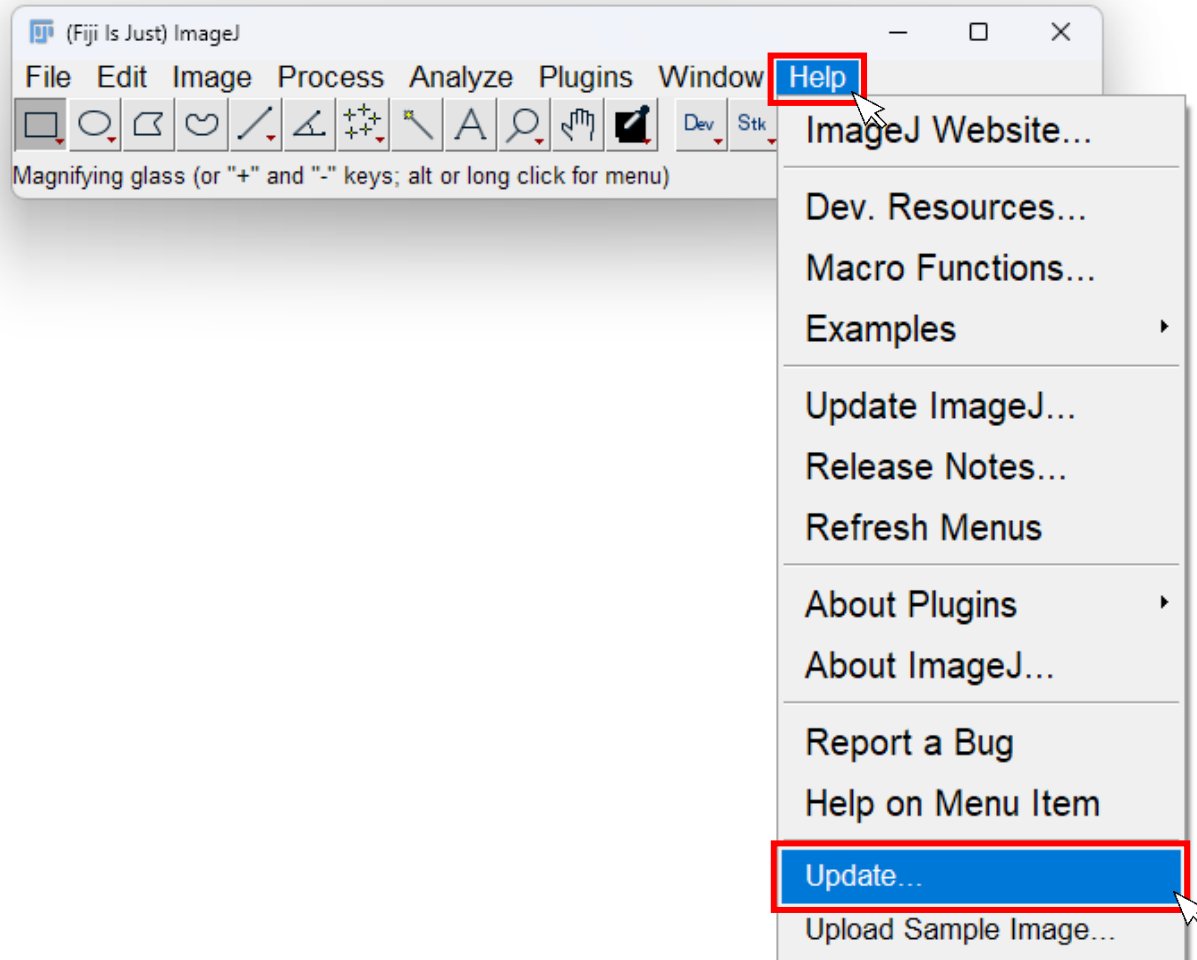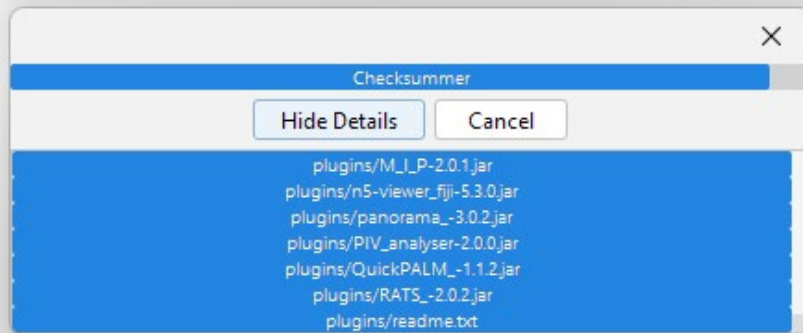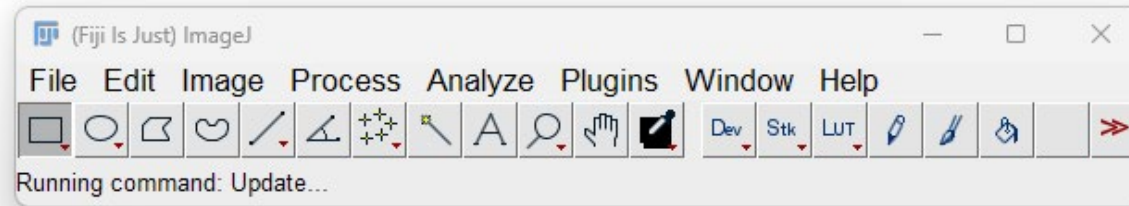# Installation Process

Installing ResultsToExcel (optional)
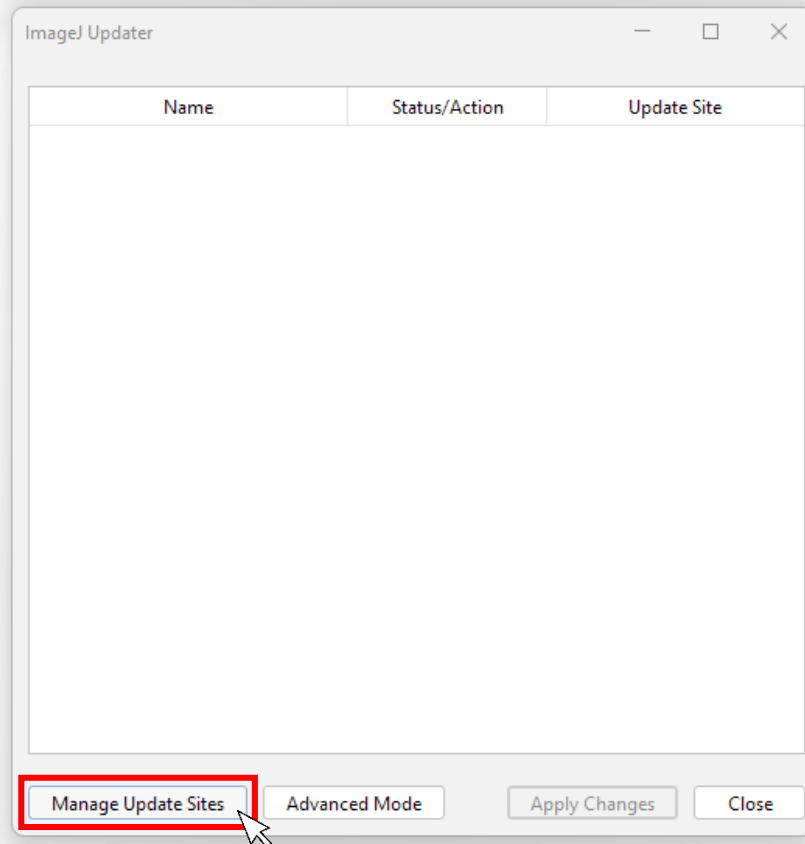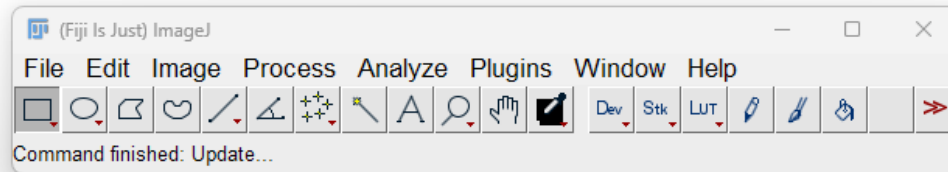

- Click on *Help → Update...*

Installing ResultsToExcel (optional)

- Let the updater run
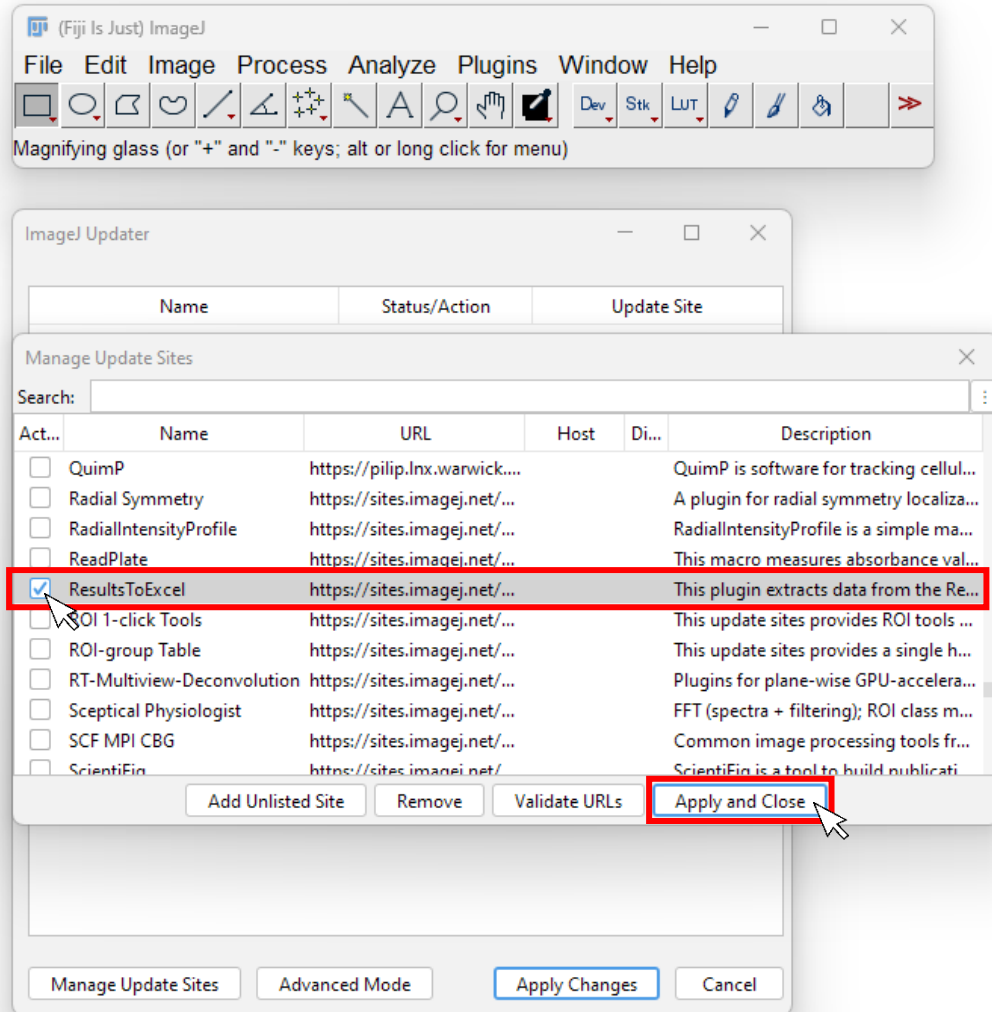- If necessary, restart FIJI and rerun the updater
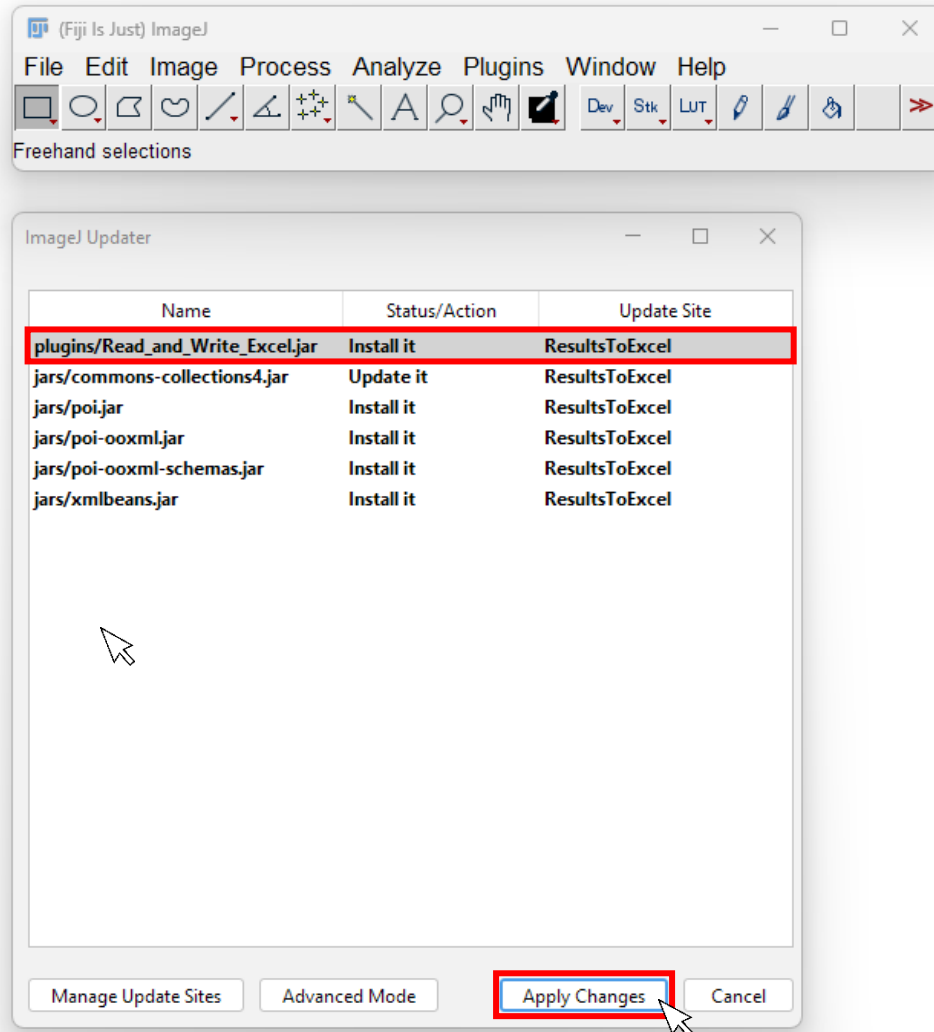
Installing ResultsToExcel (optional)

- After running, a window opens that contains the button *Manage update sites*

- Click it

Installing ResultsToExcel (optional)

- Scroll to the letter ‚R' in the next window

- Tick *ResultsToExcel*
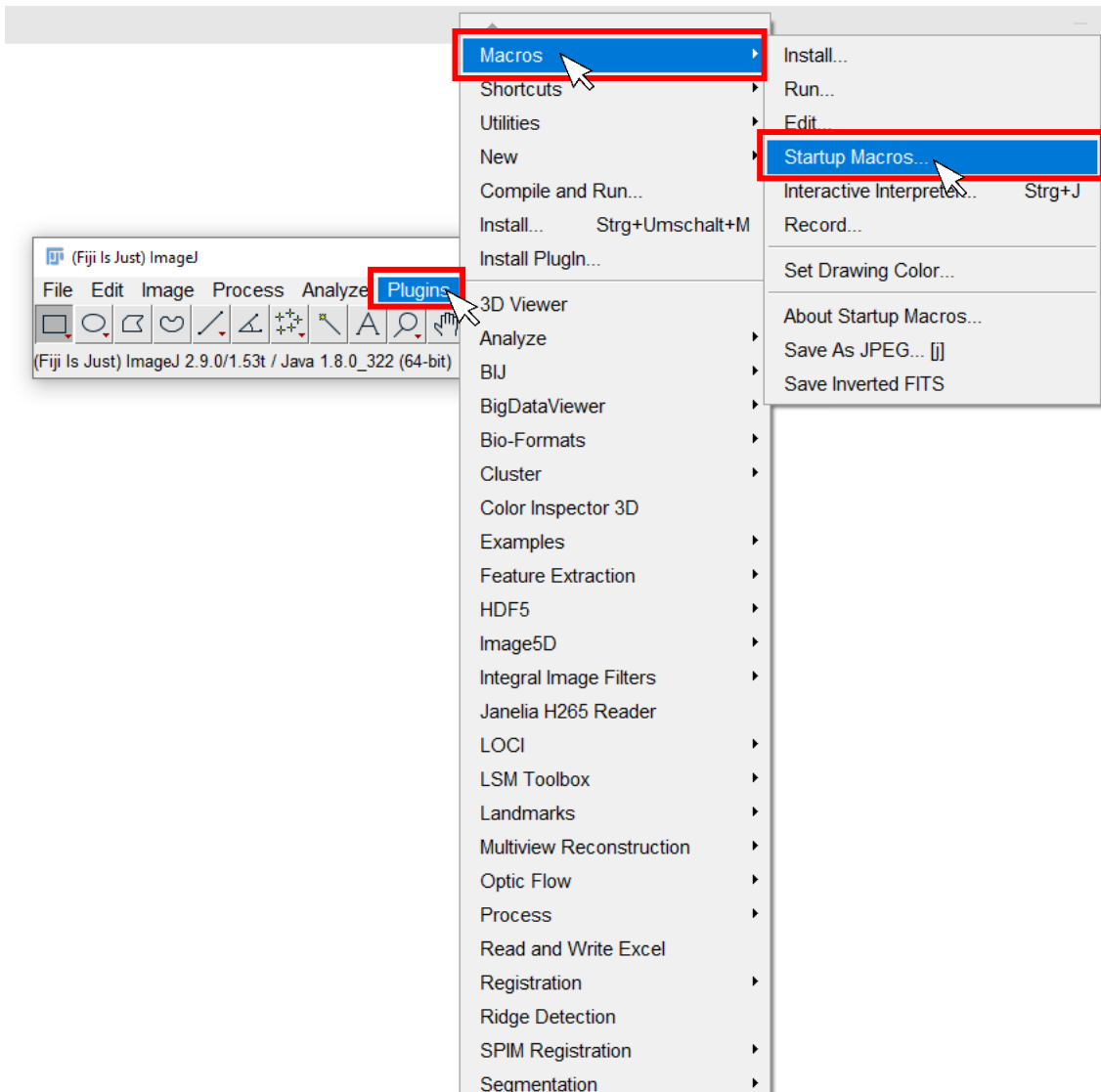
- Click *Apply and Close*

Installing ResultsToExcel (optional)

- The plugin *Read and Write Excel*, with which results can be written to .xlsx files directly, was added as an update site and will be installed after confirming

- Complete the process by clicking *Apply changes*, and restart FIJI after the installation

Installing the QuantSeg Macro

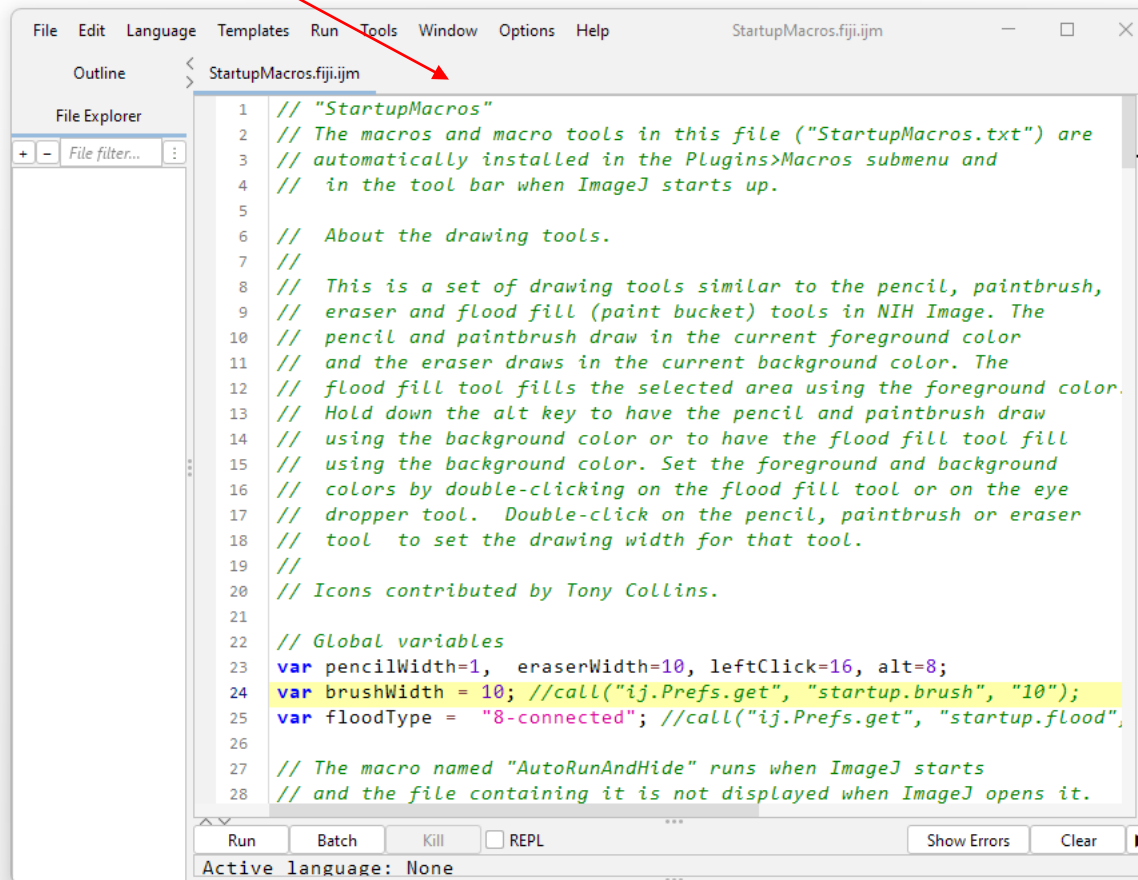- Click *Plugins -> Macros -> Startup Macros…*

Installing the QuantSeg Macro
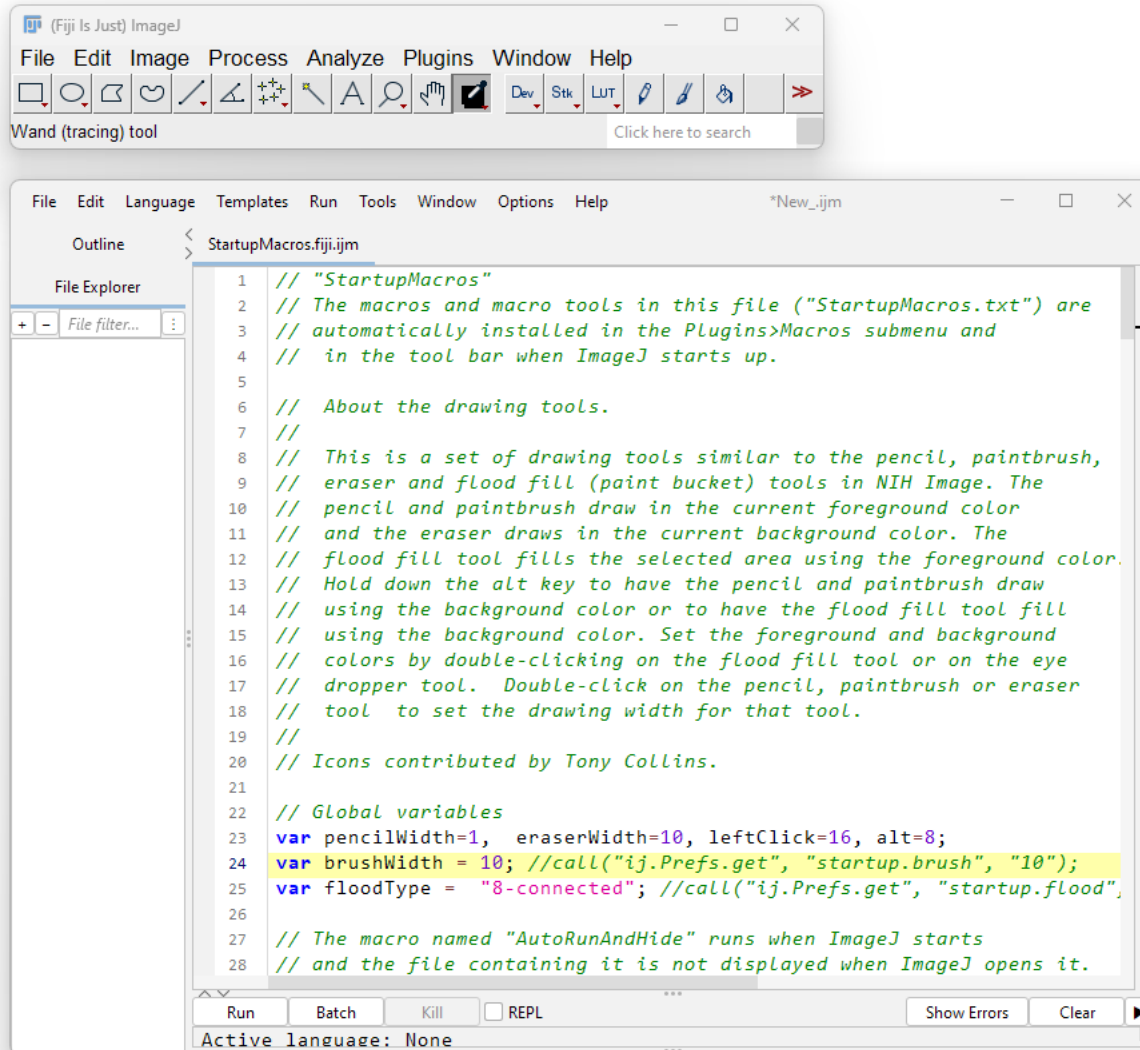
- The macro editor is opened, showing the source code of the pre-installed macros
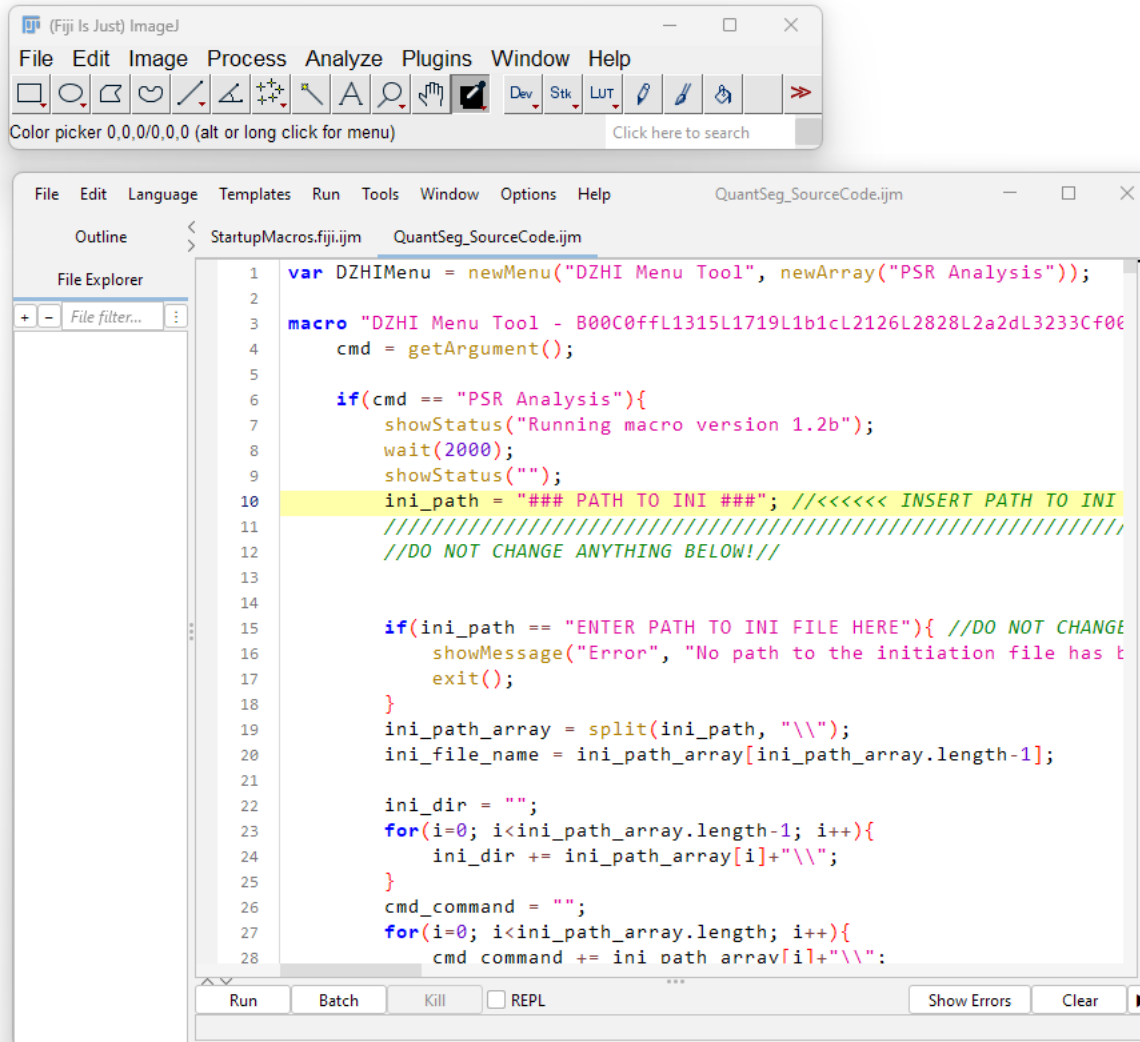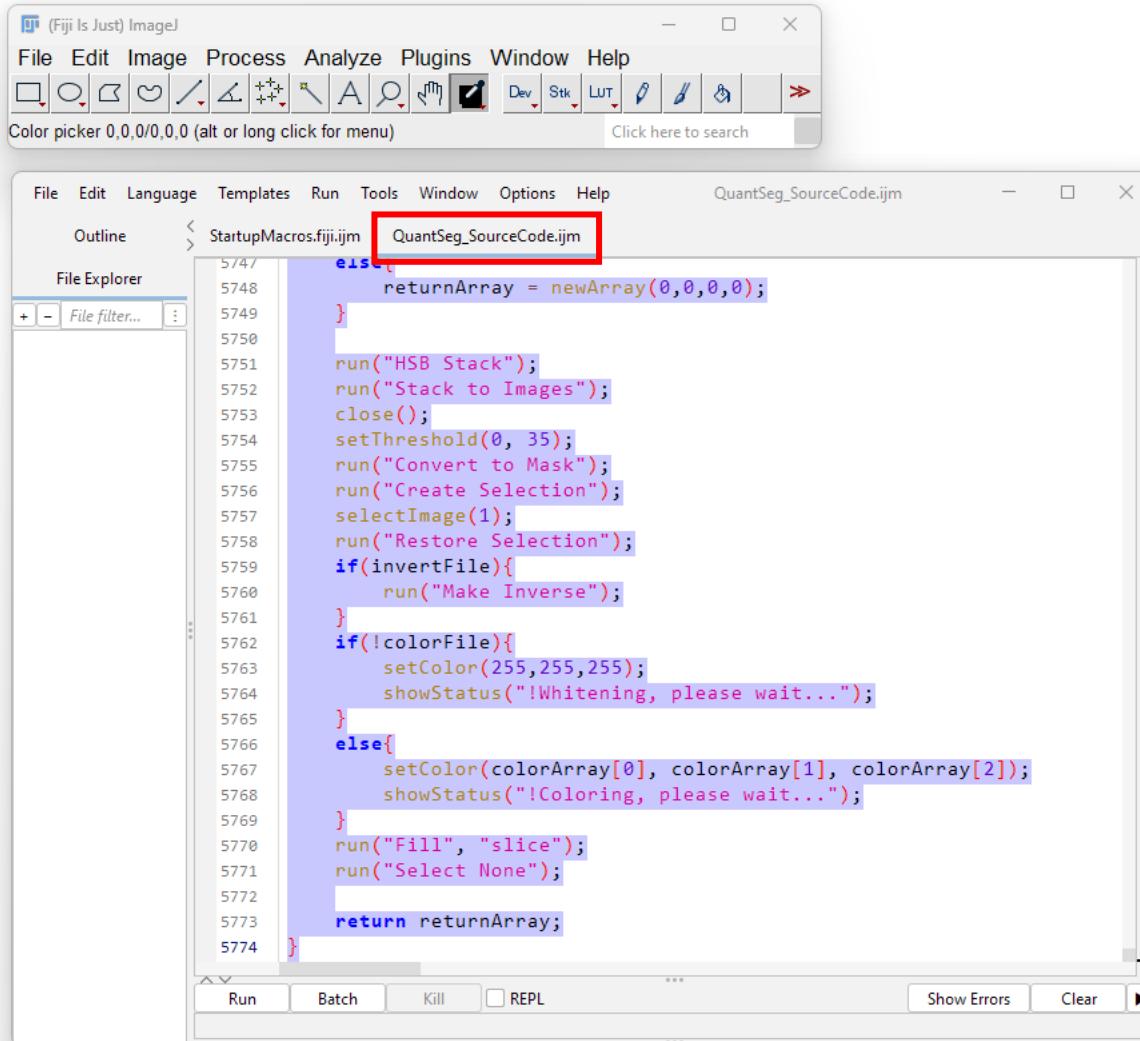
Installing the QuantSeg Macro

- Now, the source code to the QuantSeg Macro needs to be opened by drag & drop into the macro editor

Installing the QuantSeg Macro

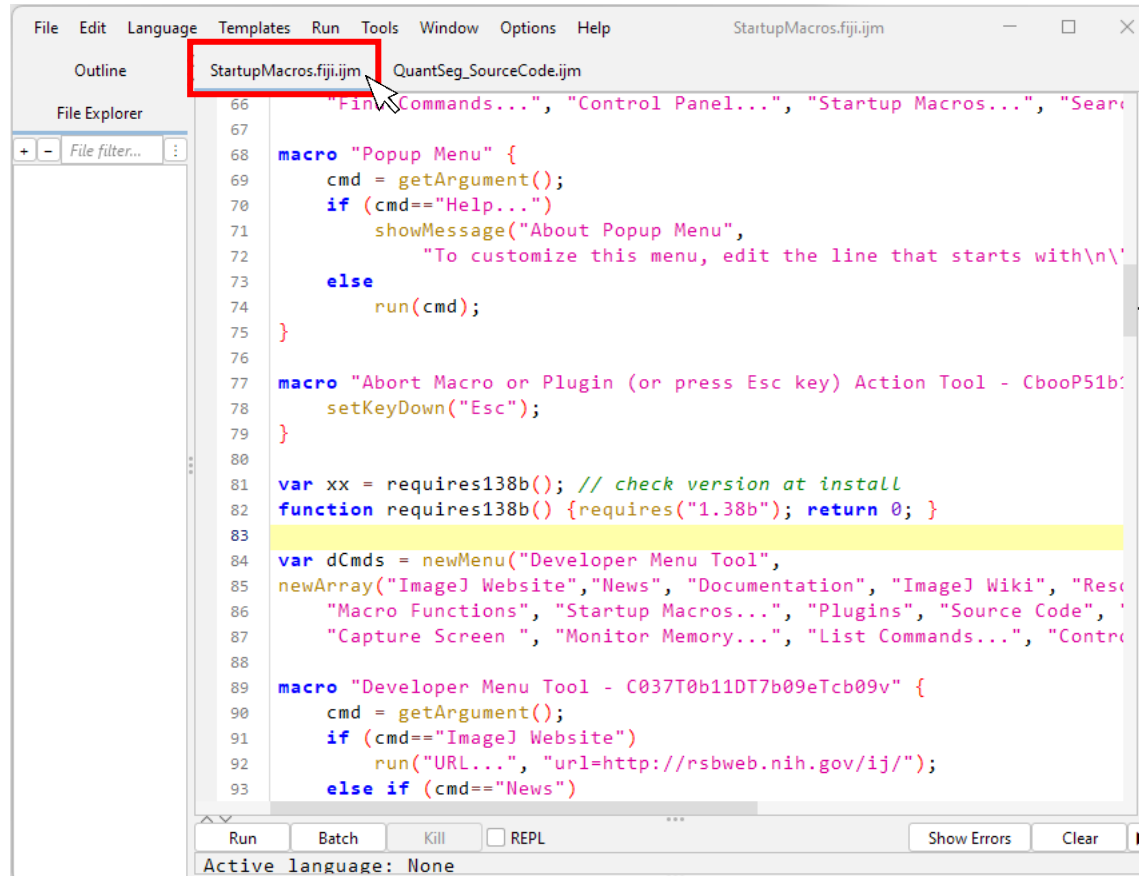- Within the editor, a second tab is opened

Installing the QuantSeg Macro

- Within the QuantSeg source code, press Ctrl+A to select all of the code
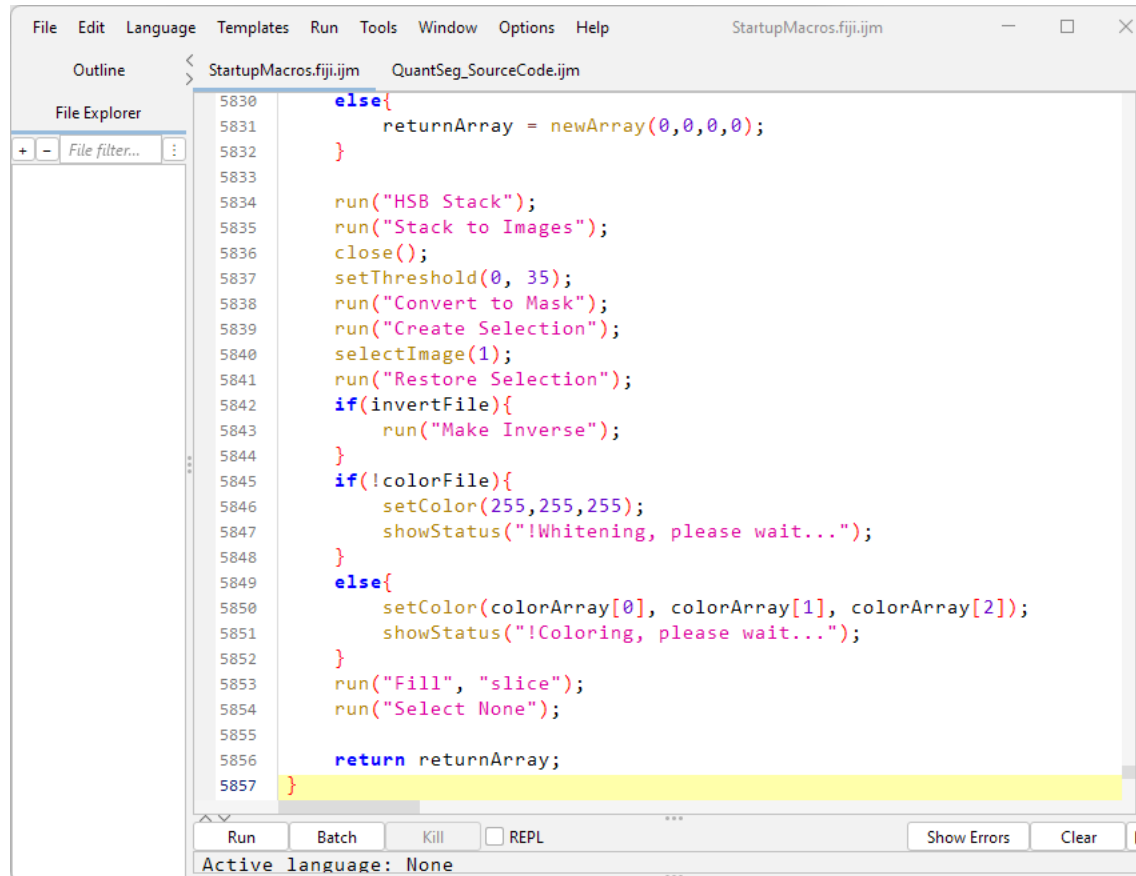
- Press Ctrl+C to copy

Installing the QuantSeg Macro

- Change back to the first tab containing the pre-installed startup macros

- Scroll down to the line that says
  `var dCmds = newMenu("Developer Menu Tool",`

- Paste the contents of the clipboard *above* that line by pressing Ctrl+V
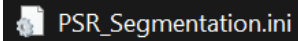
Installing the QuantSeg Macro

- Press Ctrl+S to save

Installing the QuantSeg Macro

PSR_Segmentation.ini

- The QuantSeg Macro is only functional in presence of a file called *PSR_Segmentation.ini*

- This file contains all the possible settings and parameters and is read in every time the macro is started

- It is part of the supplementary material as *PSR_Segmentation.txt*

- To use it, please change its file ending from *.txt* to *.ini*

- It contains a set of parameters that may serve as a starting point for analysis, but most likely will have to be adapted to the particular use case
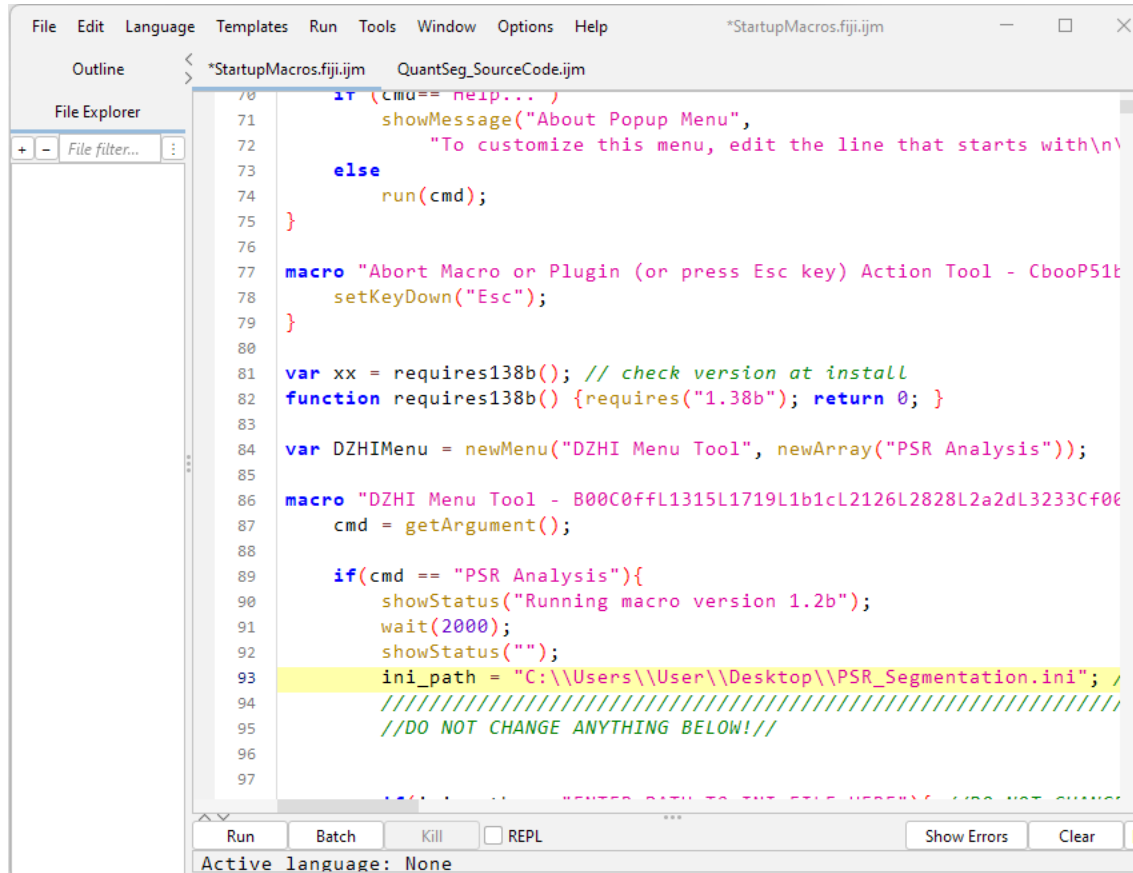
Installing the QuantSeg Macro

- In order to be able to find that file, the path on the hard drive of the user's computer must be specified in the source code

- Within the macro editor, scroll to line 93 which should contain ini_path = "### PATH TO INI ###"; […]

- Instead of this statement, within the quotation marks, insert the respective path to *PSR_Segmentation.ini*

Installing the QuantSeg Macro

- No forward slashes (/) or single backslashes (\) may be used as separating characters! Only double backslashes (\\) are recognized, otherwise the path can't be read

- After entering, the path must be colored pink. If not, either the quotation marks or the separation characters are incorrect.

- The line must be terminated with a semicolon (;)

- After, save by pressing Ctrl+S

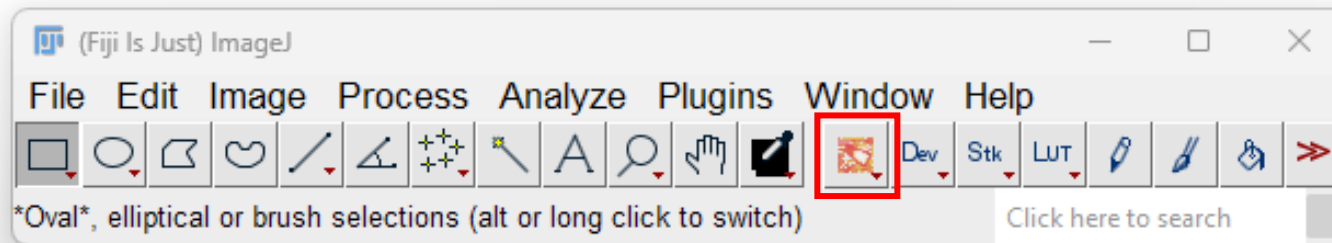- Finally, close the macro editor

Installing the QuantSeg Macro
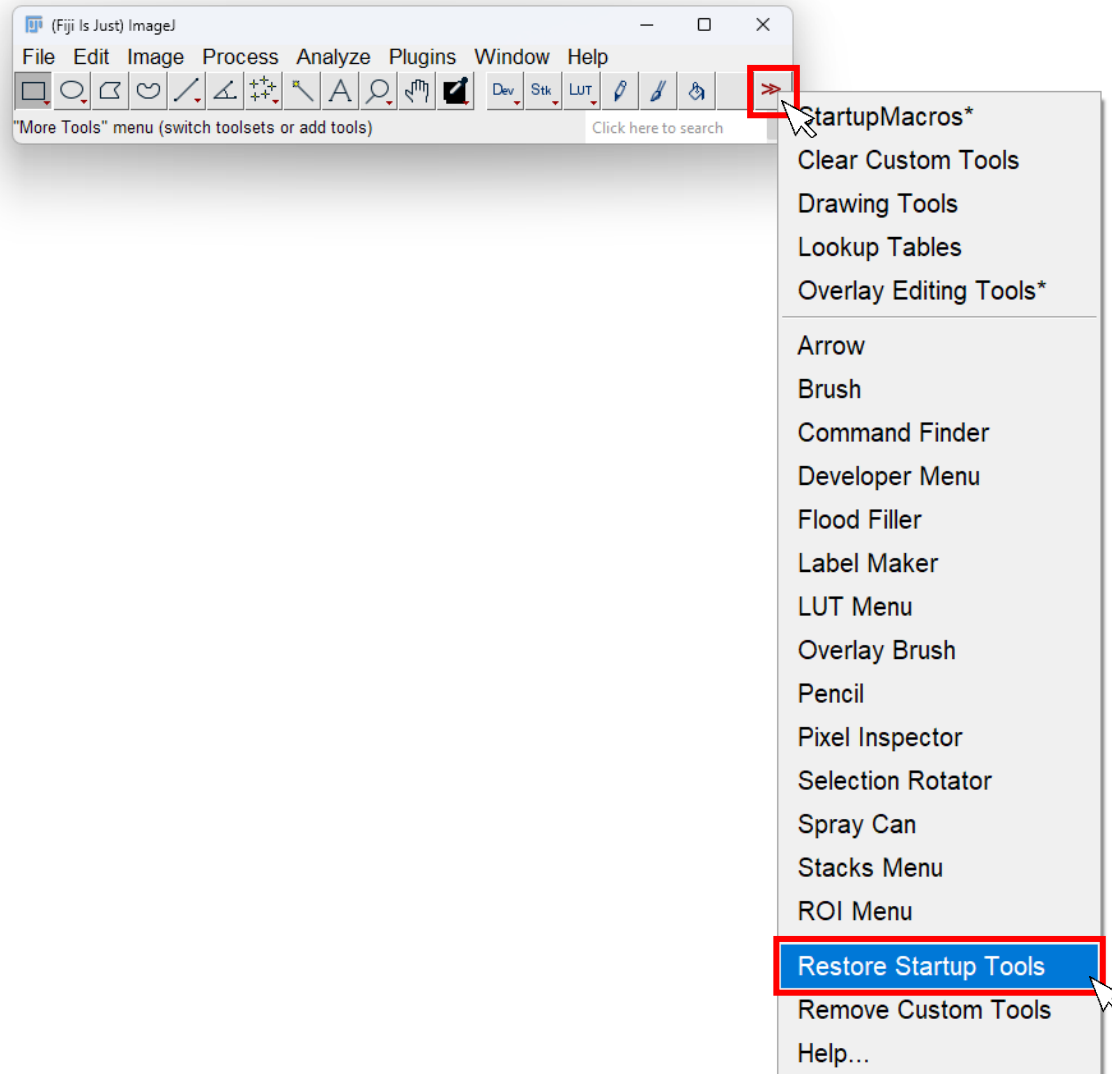
- Finally, click on the two red arrow heads (>>) in the right upper corner of the FIJI main window

- Then, in order to load in the altered startup macros, click *Restore Startup Tools*

Installing the QuantSeg Macro

- When everything has worked, a new button is added to the FIJI toolbar

- The steps up until here have to be done only once

- Regular FIJI software updates usually are not a problem as they do not change the file containing the startup macros