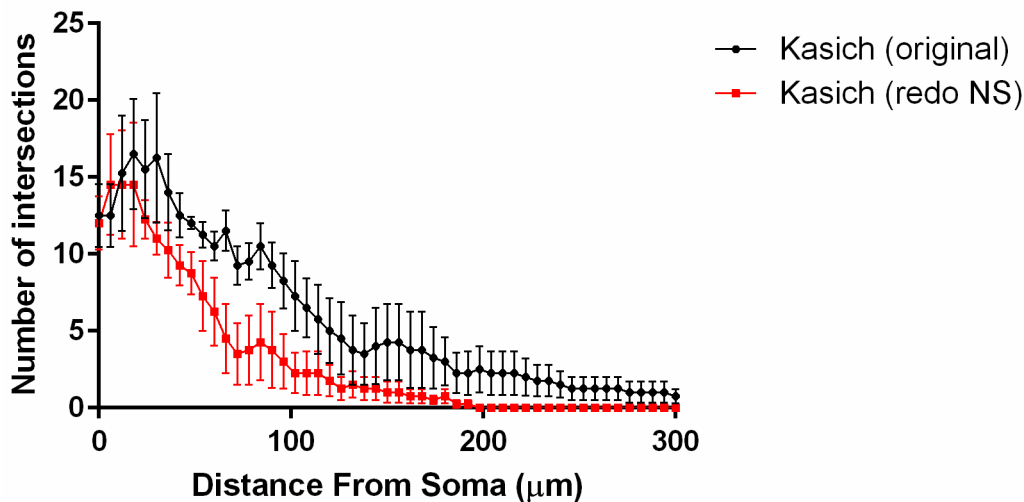


How do I fix my tracings if I used an incorrect pixel conversion factor?

Using an incorrect pixel conversion ratio will indeed affect your Sholl results, as shown below. The black line is using the incorrect pixel conversion factor. The red line is correct.

Fix 20x pixel conversion



In brief, you have to delete the old NeuronStudio files and redo them.

In detail, these are the steps you must take:

- 1) Go to your file folders and delete ALL *.swc files (*_prelim.swc*, *.swc*, and *_final.swc*) and the *.mat files.
- 2) Change the pixel conversion in ***bonfire_parameters.m*** to be the correct value. You can find this information in *R:\Firestein Lab\Lab protocols\Common Lab Information v02.docx*
- 3) Rerun ***bonfire_ndf2swc*** in Matlab.
- 4) Redo your connections in NeuronStudio and resave your files.
- 5) Proceed with running the rest of the Bonfire m-files in Matlab (***bonfire_trace_check***, ***bonfire***, ***bonfire_results***, and ***bonfire_export***).