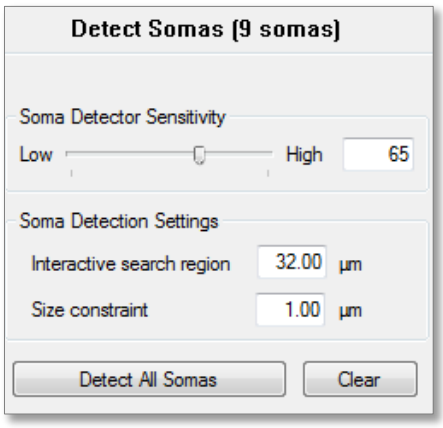
Before you start

- The correct image stack/series of images is loaded.
- Your preferred image display—**3D Volume** (default) or **Image Slice**— is selected.
- Click the **Soma** button to display the **Detect Somas** panel.

THE DETECT SOMAS PANEL

Detecting somas



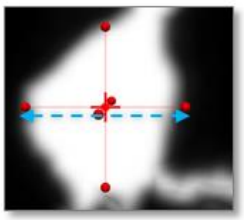
1. Detect somas:
   - *Interactive*: For a single soma, click the soma in the image.
   - *Automatic*: To detect all the somas in the image, click **Detect all somas**.
2. If you are not satisfied with the detection, delete the detected soma by clicking the **Clear** button.
3. Modify the detection settings and detect again.

   Interactive:

   - Hold down CTRL and scroll the mouse wheel to change the cursor size and match the apparent largest cross-section of a soma (the cursor's width represents the width of the search region).

   OR

   - Enter a value manually in the **Interactive search region** field.



Cursor width = largest cross-section

Automatic:

- Increase the **Soma detector sensitivity** to take into account areas with less contrast between foreground and background.
- Increase the **Size constraint** value to obtain less flow from the soma to the dendrites, and a more refined soma model.

THE EDIT SOMAS PANEL

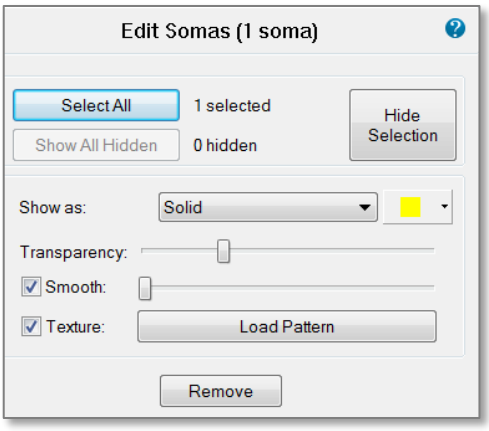
To display the panel, click the **Edit** button.

Changing soma appearance

1. Select somas to make the editing options visible.
   - To select all somas, click the **Select All** button.
   - To select a single soma, click the soma in the tracing window.

- To select several somas, hold down **CTRL** and click each soma that you want to select.

2. Modify color, transparency or smoothness.



Deleting somas

1. Click a detected soma to select it.
2. Press the **Delete** key or the **Remove** button.