

3. Raw data upload, handling X and Y axes

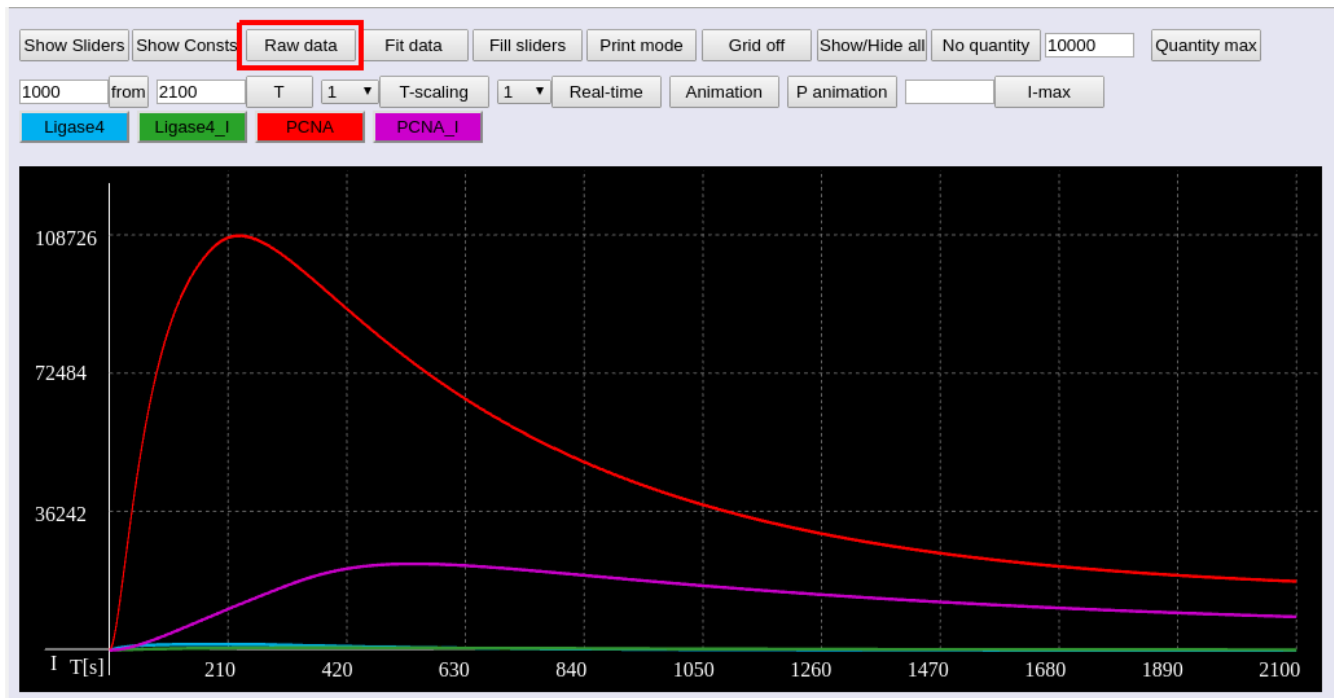
Before uploading the raw data, a fit data upload is required.

For this training the fit data set is “3_Fit_Data/Ligase4_PCNA.txt”. We can upload it by using the materials covered in the previous training.

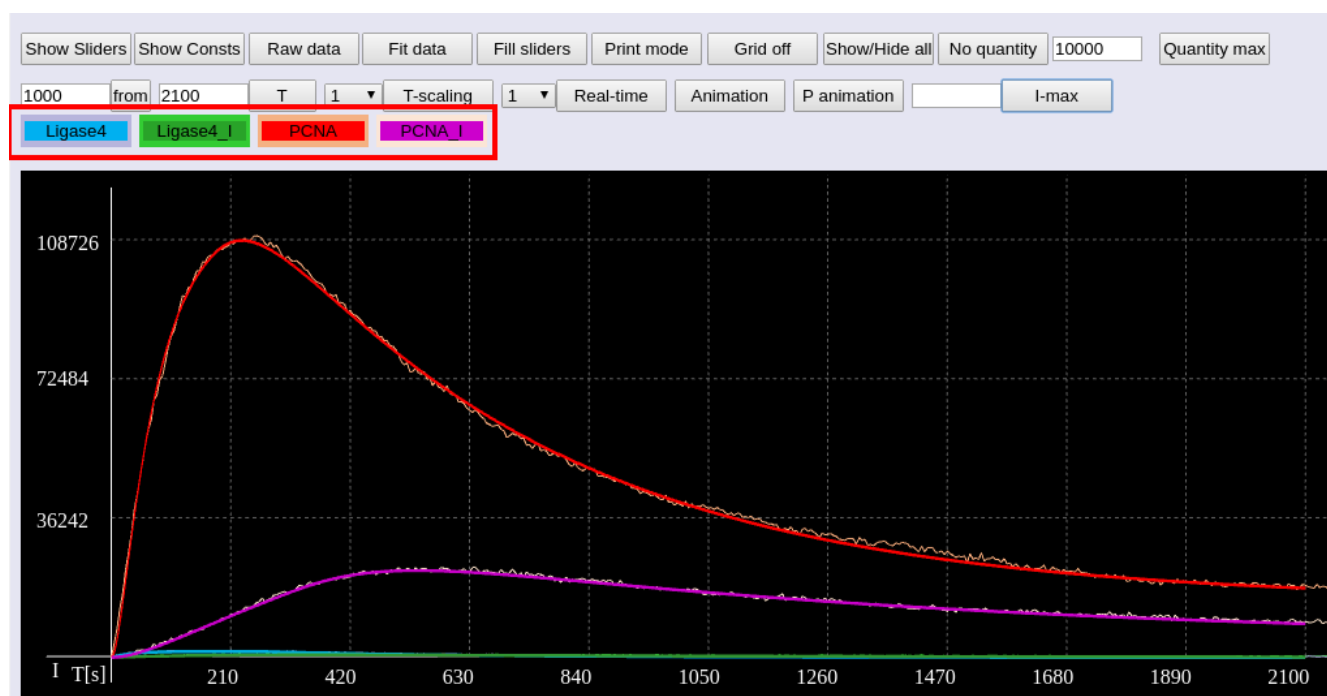
*To upload new data set, a refresh of the web page is required.

Button “Raw data”

This button will prompt for a file upload. Content’s file format is discussed later.



Upload all the files located at folder “3_Raw_Data” at once. The result should be the following:

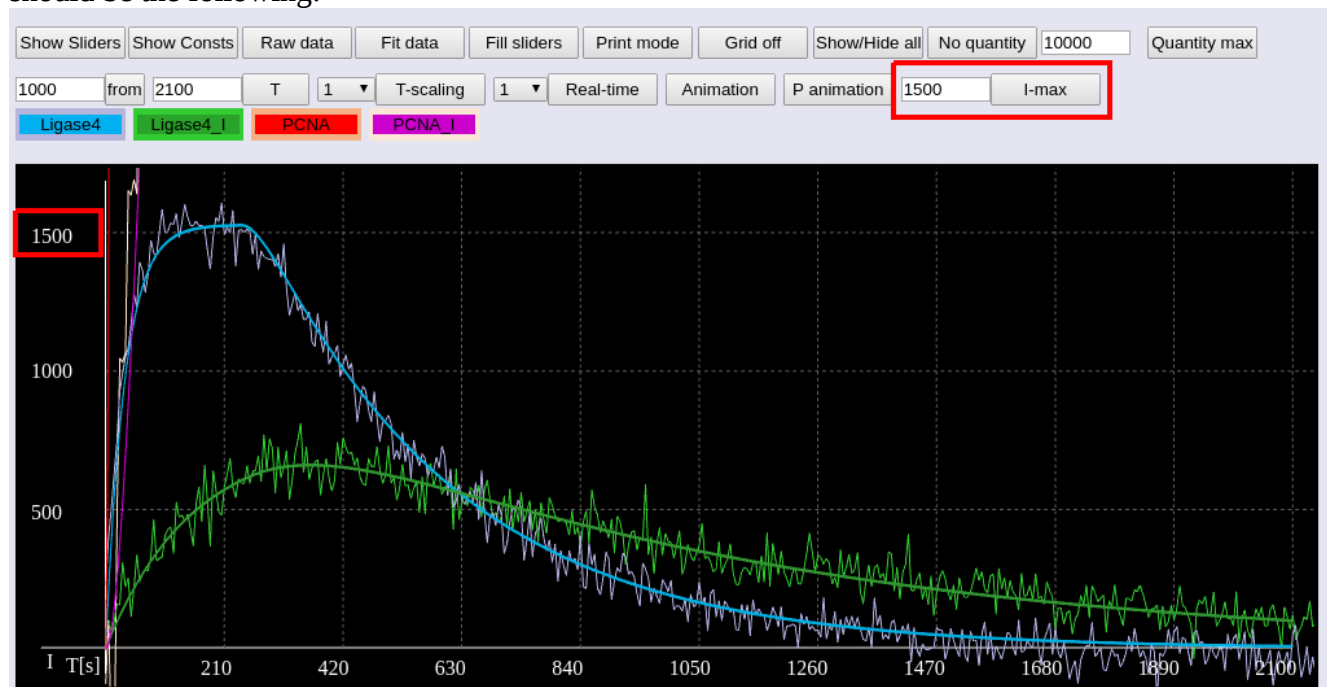


The raw data sets associated with a fit data equation will be shown on both the plotted graphic itself as well as the border around the protein button. Here the raw data set associated with the PCNA (red graphic) is with an orange color which could be seen on the plotted graphic and as a border color around the PCNA button.

Button “I-max”

When at least one graphic has a high intensity value, the low intensity ones are hard to see. There is an I-max button to solve this issue.

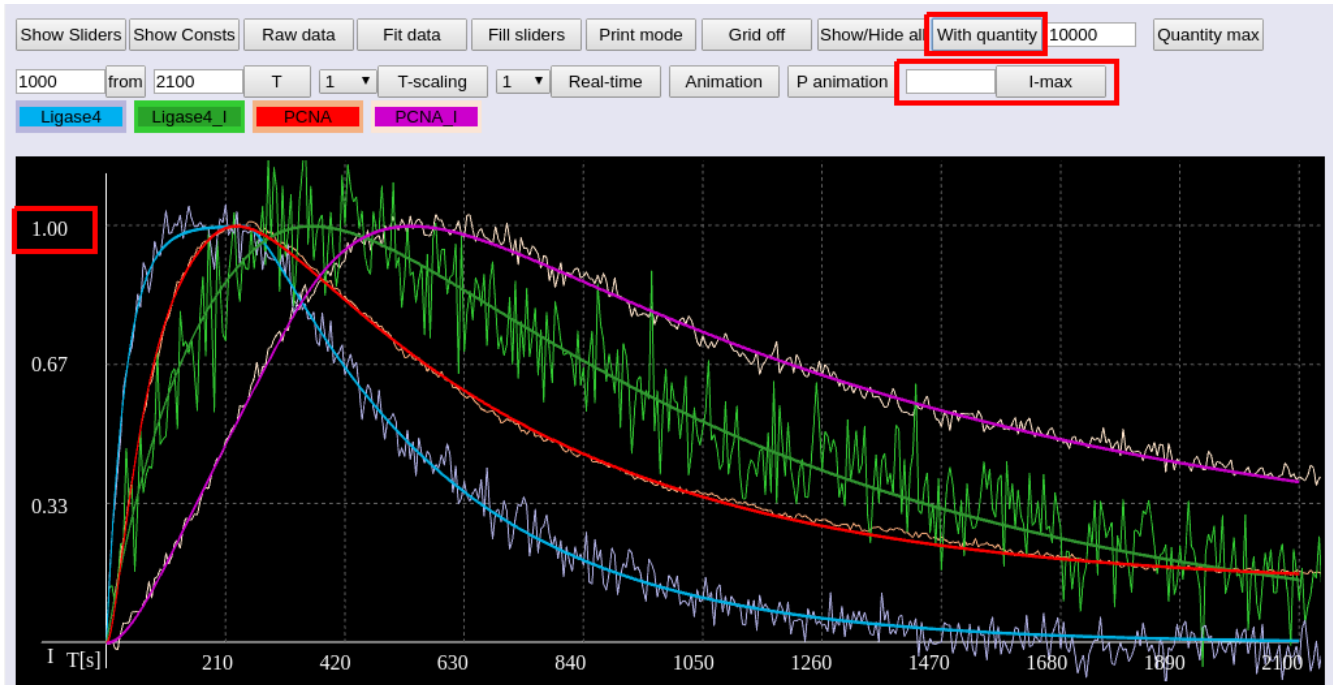
Add value 1500 and press either enter or click on the I-max button to apply the change. The result should be the following:



Button “No quantity”

In real life, there is another use case when you want to view together both high and low intensity protein behaviors. To handle such situations there is a “No quantity” button that normalizes the charts. To use the “No quantity” capability, we have to remove the I-max value and press either enter or the “I-max” button, after that press the normalization button.

Now the intensity factor is ignored and all displayed fit and raw data are normalized. The result should be the following:



Button “T”

During the systematic study of the proteins there are usually situations when some of the proteins has fast recruitment and detachment speed compared to others.

For example on the picture above it is hard to see the proteins' behavior at the beginning.

To handle these use-cases we can use the “T” button.

Add value 600 at the field on the left from the “T” button and press either Enter or click on the “T” button itself.

The result should be the following:

