

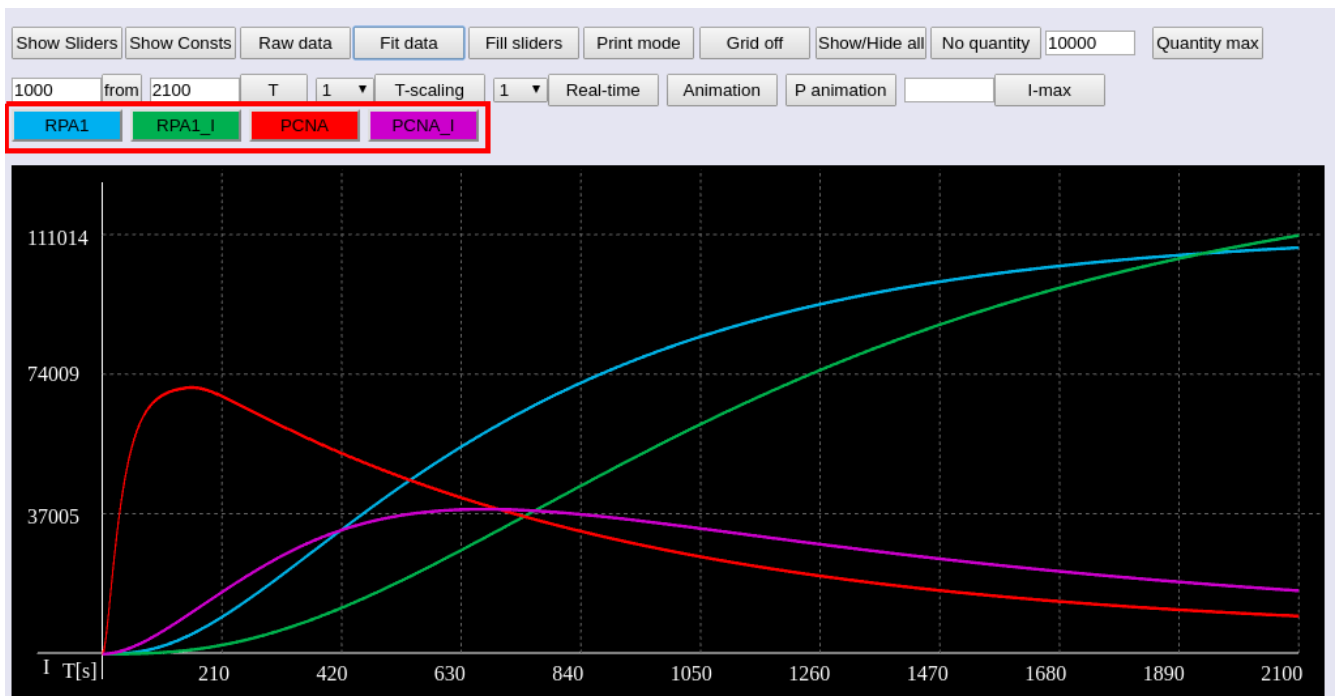
2. Fit data, color handling and constants

Button “Fit data”

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



Upload file RPA.txt located in directory 2_Fit_Data. The result should be following:



On the Y axis is shown the intensity of recruitment and removal of proteins threaded both with and without BMN.

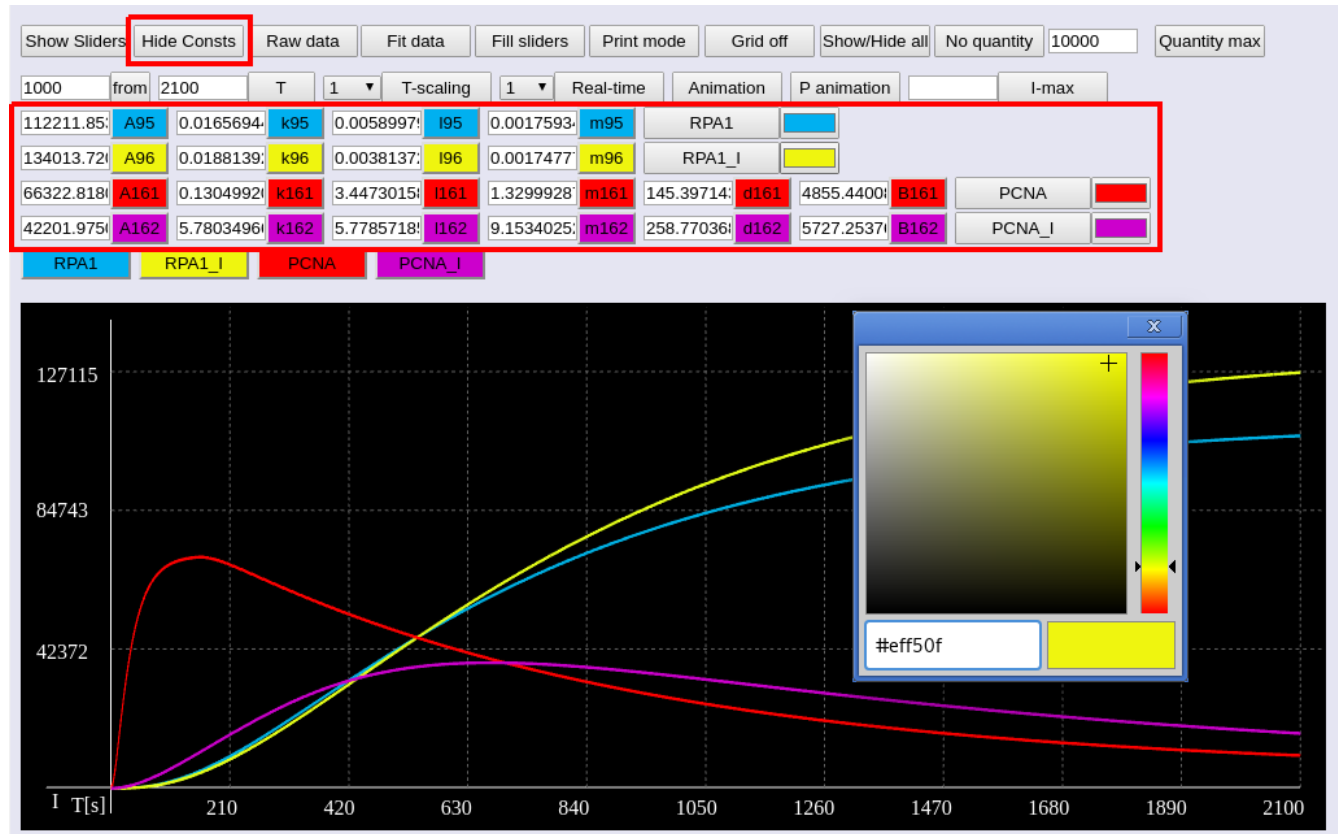
On the X axis is shown how the intensity changes over the time in seconds during the DNA repair processes and we can see that as ones start to recruit, others concentration lowers.

Additionally buttons with the names and colors of the plotted graphics appeared.

For example the red plotted graphic is PCNA and RPA1 is the blue graphic.

Button “Show consts”

This button displays the constants used in the equations to generate the graphics as well as their current values and option to change the color at right.



Here we changed RPA1_I constants' values as follows:

A96: 132013.720034804 → 134013.720034804

k96: 0.00381392331001804 → 0.01881392331001804

l96: not changed

m96: 0.00124777264634967 → 0.00174777264634967

Value change can be applied with both key Enter or with left mouse click on the button with the name of the constant.

As a result the graphic of the RPA1_I changed and the displayed intensity scaled automatically accordingly.

Color handling

The graphics of RPA1 and RPA1_I are now too close to each other so we decided to change the color of RPA1_I from the color button placed at the right of the constants on each line. Now we can distinguish the proteins with similar behavior more easily.

Button “Hide consts”

When we stop modifying colors and values we can hide the expanded information by pressing the “Hide consts” button showed at the picture above.