

6. File formats. Raw, fit and sliders data.

Raw data file format

Line 1: Name Color

Line 2: Moment_of_Measurement Measured_Value

...

Line n: Moment_of_Measurement Measured_Value

Fit data file format

Supports both equations with and without conditions.

Line 1: Total number of equations

Line 2: Total number of sliders

Line 3: Equation without condition

Line 4: Equation color

Line 5: Constants and values [separator ‘;’]

Line 6: Name of the equation

Repeat steps 3 to 6 for each subsequent equation

...

Line n-5: Equation with condition [before the condition is fulfilled]

Line n-4: Equation color

Line n-3: Constants and values [separator ‘;’]

Line n-2: Name of the equation

Line n-1: Conditional parameter and value

Line n: Equation with condition [after the condition is fulfilled]

*Each equation should have dependent variable “t”

Sliders data file format

Line 1: Name_of_Variable Start_Value End_Value Step

Line 2: Name_of_Variable Start_Value End_Value Step

...

Line n: Name_of_Variable Start_Value End_Value Step

Examples

Filled files for reference:

Raw data files directory: “Training/MolDViewer/6_Raw_Data/”

Fit data files directory: “Training/MolDViewer/6_Fit_Data/”

Sliders data files directory: “Training/MolDViewer/6_Fill_Sliders/”

Raw data file

```
1  PCNA    f4b183
2  0      0
3  5      3471.478802
4  10     7507.813771
5  15     12802.00737
```

Fit data file

```
1 2
2 10
3 A42*(1-Math.exp(-k42*t))+B42*(1-Math.exp(-k42*t))
4 00b0f0
5 A42=1531.17028161163;k42=0.0294885682819801;l42=0.00286712716536534;d42=240.343411115629;B42=0
6 Ligase4
7 if:t>=d42
8 A42*((k42/(k42-l42))*Math.exp(l42*(d42-t))-(l42/(k42-l42))*Math.exp(k42*(d42-t))-Math.exp(-k42*t))
9
10 A43*(1-Math.exp(-k43*t))+B43*(1-Math.exp(-k43*t))
11 29a329
12 A43=755.719017117907;k43=0.00678193239703837;l43=0.00119529124542893;d43=252.153637858;B43=0
13 Ligase4_I
14 if:t>=d43
15 A43*((k43/(k43-l43))*Math.exp(l43*(d43-t))-(l43/(k43-l43))*Math.exp(k43*(d43-t))-Math.exp(-k43*t))
```

Sliders data file

```
1 A32 1602762.22833435 1002762.22833435 20
2 k32 0.0109153621785278 0.0009153621785278 20
3 l32 0.00632900303522927 0.12632900303522927 20
4 m32 0.000172106320547358 0.100172106320547358 20
5 A47 1129415.57608335 909415.57608335 20
6 k47 0.0463974576989205 0.0063974576989205 20
7 n47 0.00003244025714157 0.03003244025714156 20
8 l47 0.0464078720355239 0.08640787 20
9 m47 0.00601337220436062 0.11601337220436062 20
```