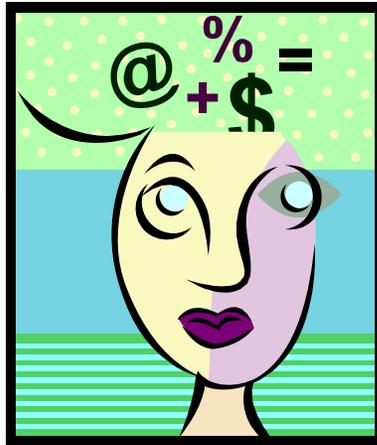
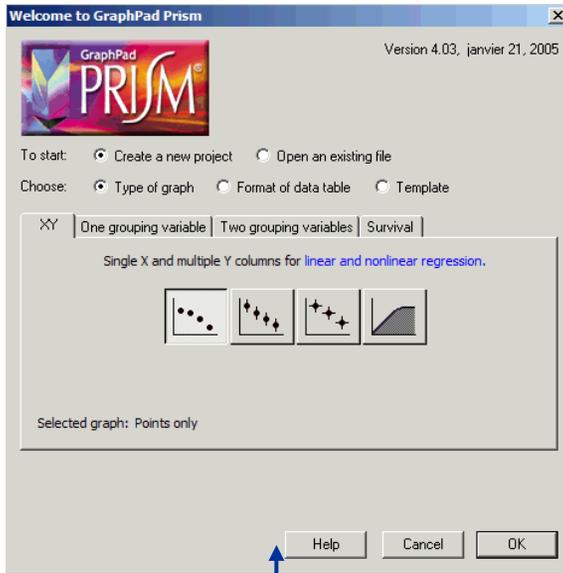


Graph Pad: des graphiques faciles et informatifs

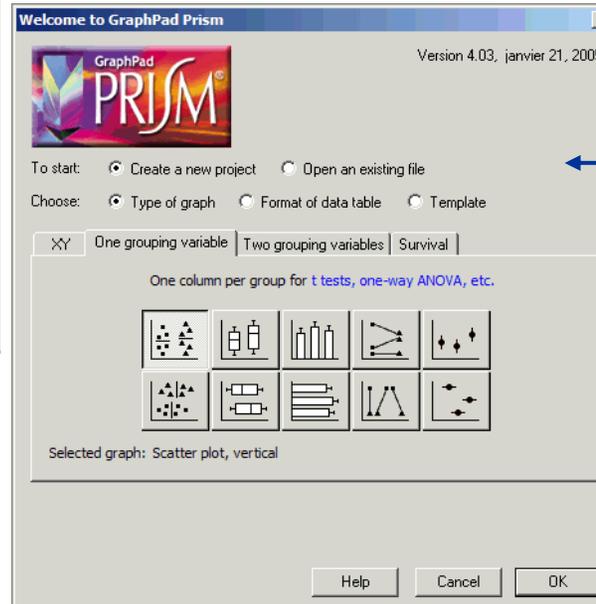


Choisir le type de graphique



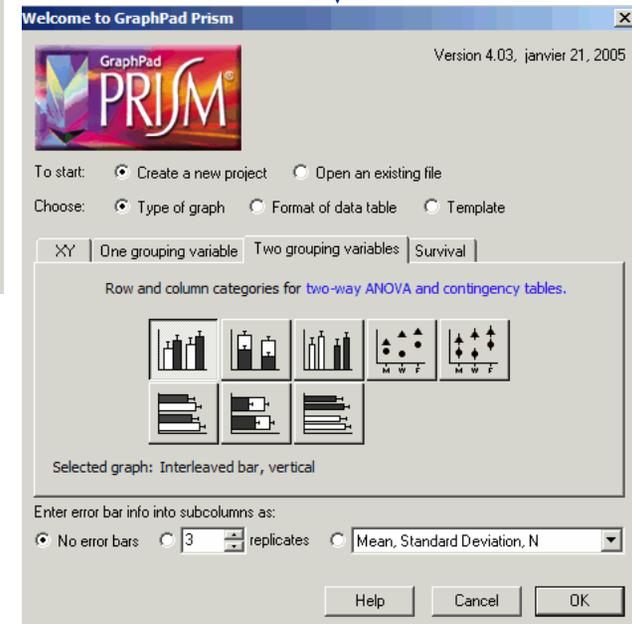
**Grappe XY:
variables continues**

**Influence du
temps ou de la
conc. sur l'activité**

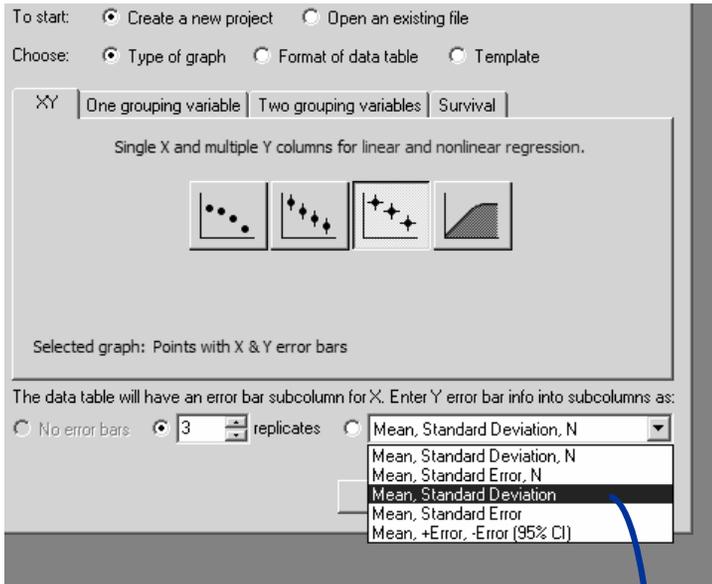


**Influence de
divers inhibiteurs
sur la capture**

**Grappe en barres :
variables discontinues**

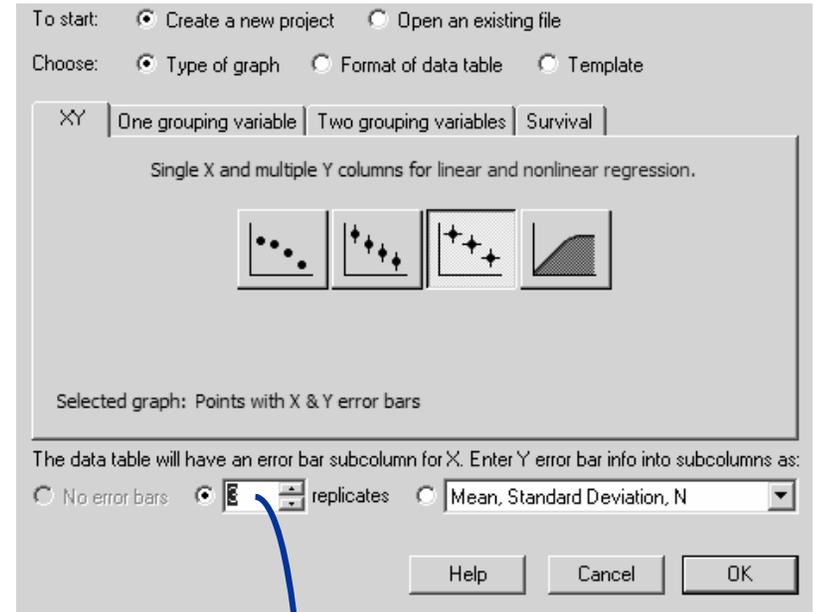


Choisir le format des données



Moyenne et SD
(copy-paste depuis excel)

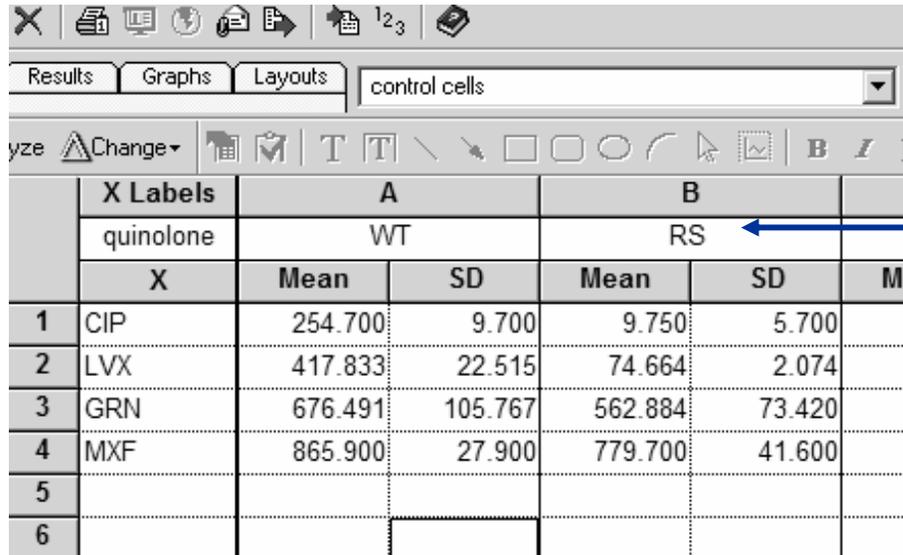
X Values	A		B	
X Title	Title		Title	
X	Mean	SD	Mean	SD



Valeurs individuelles

X Values	A			B		
X Title	Title			Title		
X	A:Y1	A:Y2	A:Y3	B:Y1	B:Y2	B:Y3

Remplir la feuille de données

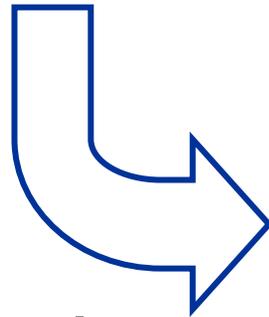


The screenshot shows the GraphPad Prism software interface. The 'control cells' window is active, displaying a data table. The table has columns for 'X Labels', 'A' (WT), and 'B' (RS). The rows represent different quinolone treatments: CIP, LVX, GRN, and MXF. The table includes columns for Mean and SD for each treatment group.

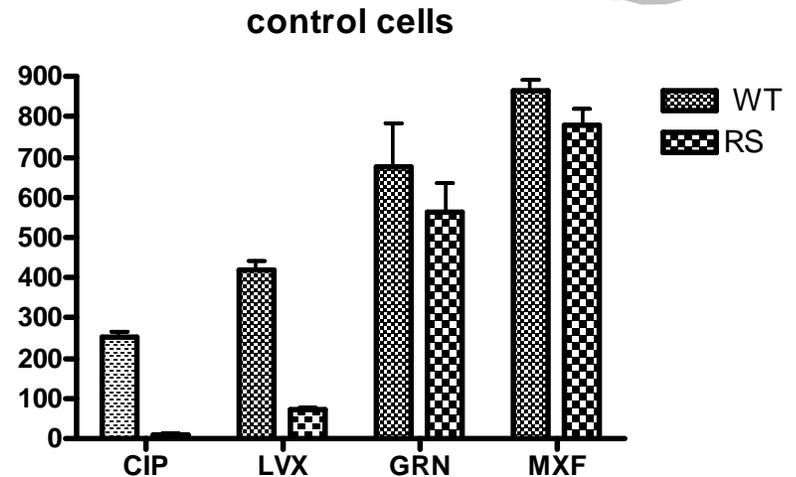
	X Labels	A		B	
	quinolone	WT		RS	
	X	Mean	SD	Mean	SD
1	CIP	254.700	9.700	9.750	5.700
2	LVX	417.833	22.515	74.664	2.074
3	GRN	676.491	105.767	562.884	73.420
4	MXF	865.900	27.900	779.700	41.600
5					
6					

Nommer

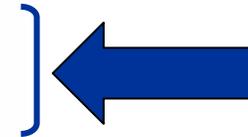
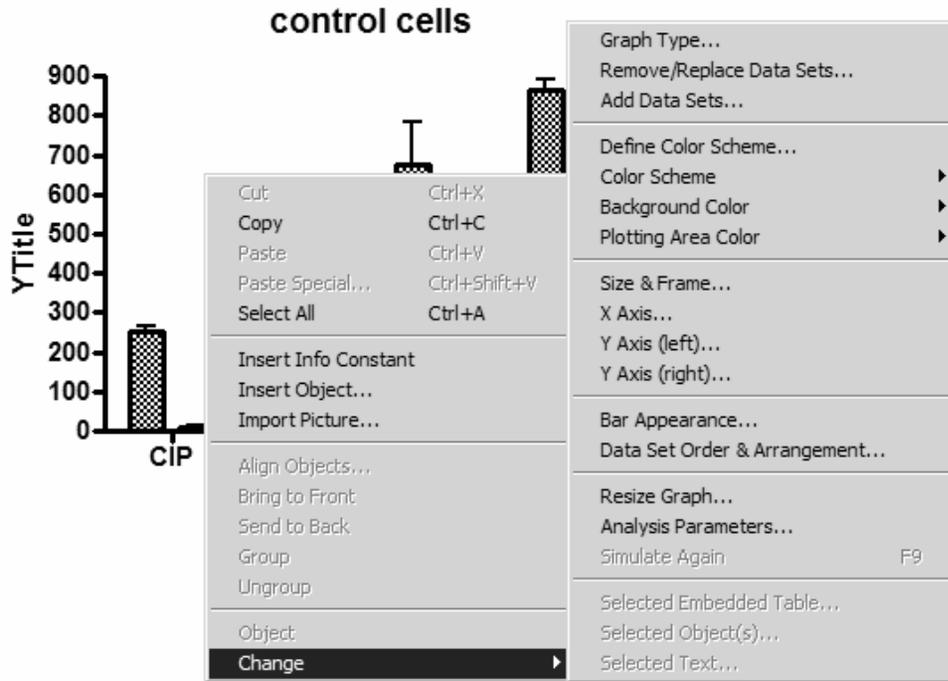
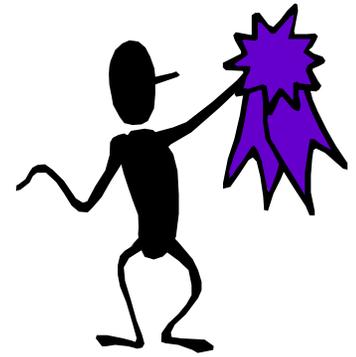
- la feuille
- les colonnes



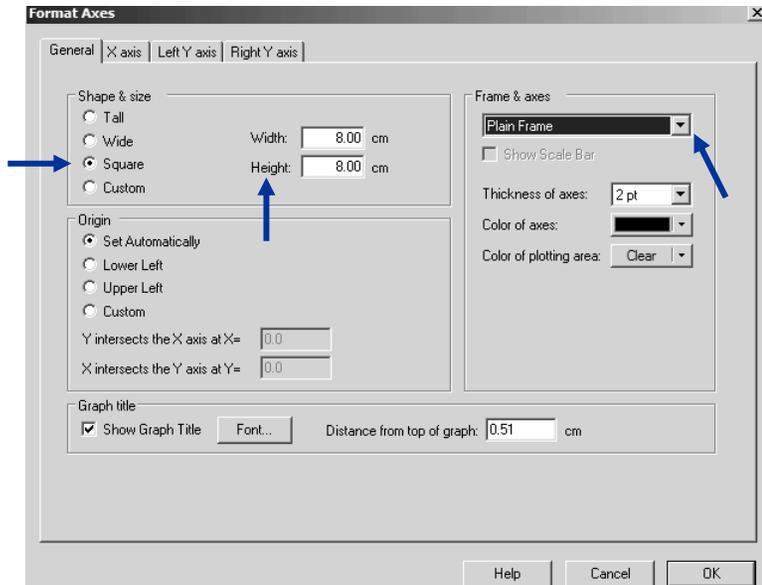
Graphe automatique !



Améliorer le graphique ...

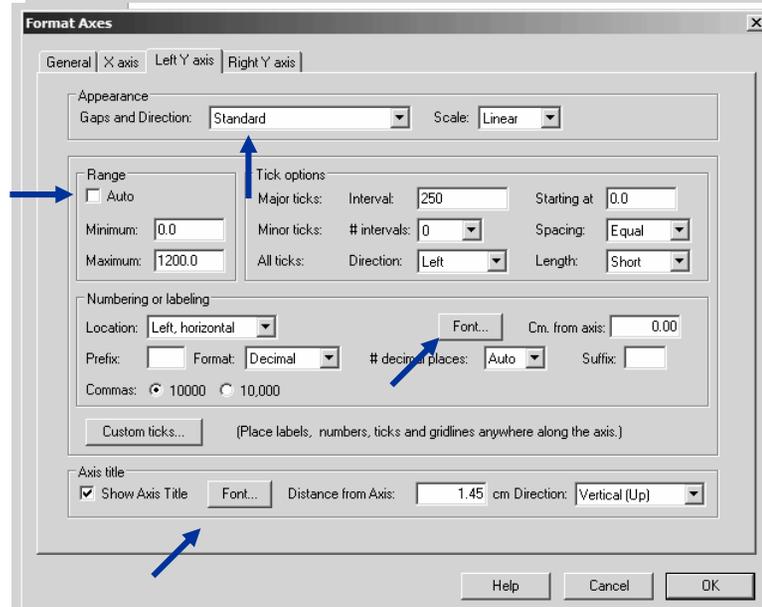


Améliorer le graphique ...



Graphe

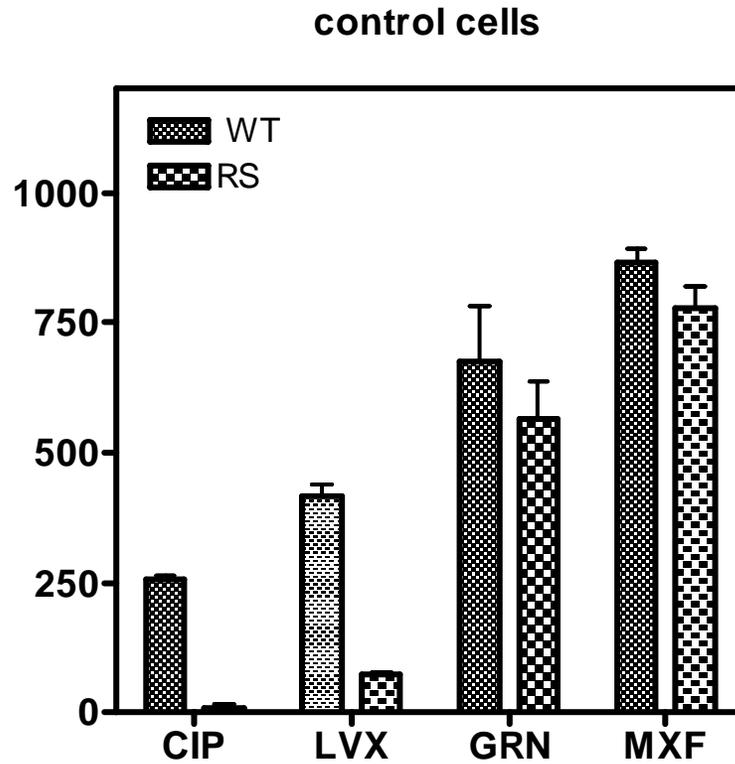
- carré, 8x 8 cm / 5 x 5 cm
- plain frame
- tickness of axes 2



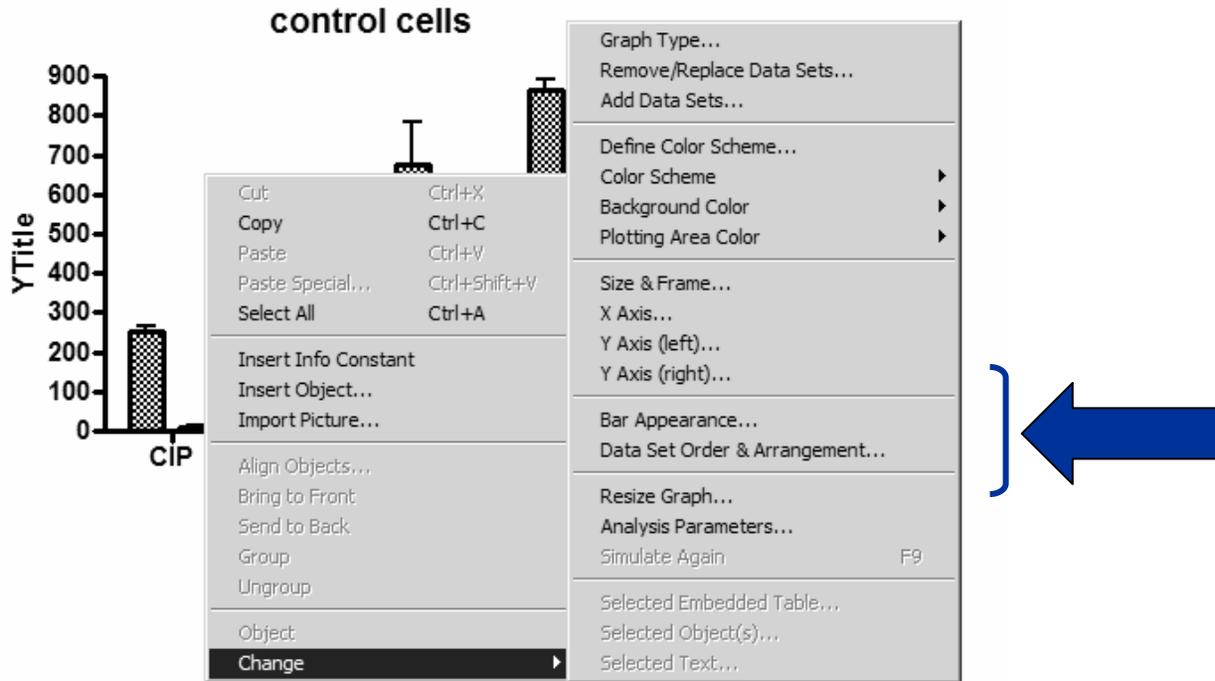
Pour les axes:

- standard ou log
- choisir l'échelle et l'intervalle
- font : 14 pour l'échelle; 16 pour le titre de l'axe
11 pour l'échelle; 12 pour le titre de l'axe

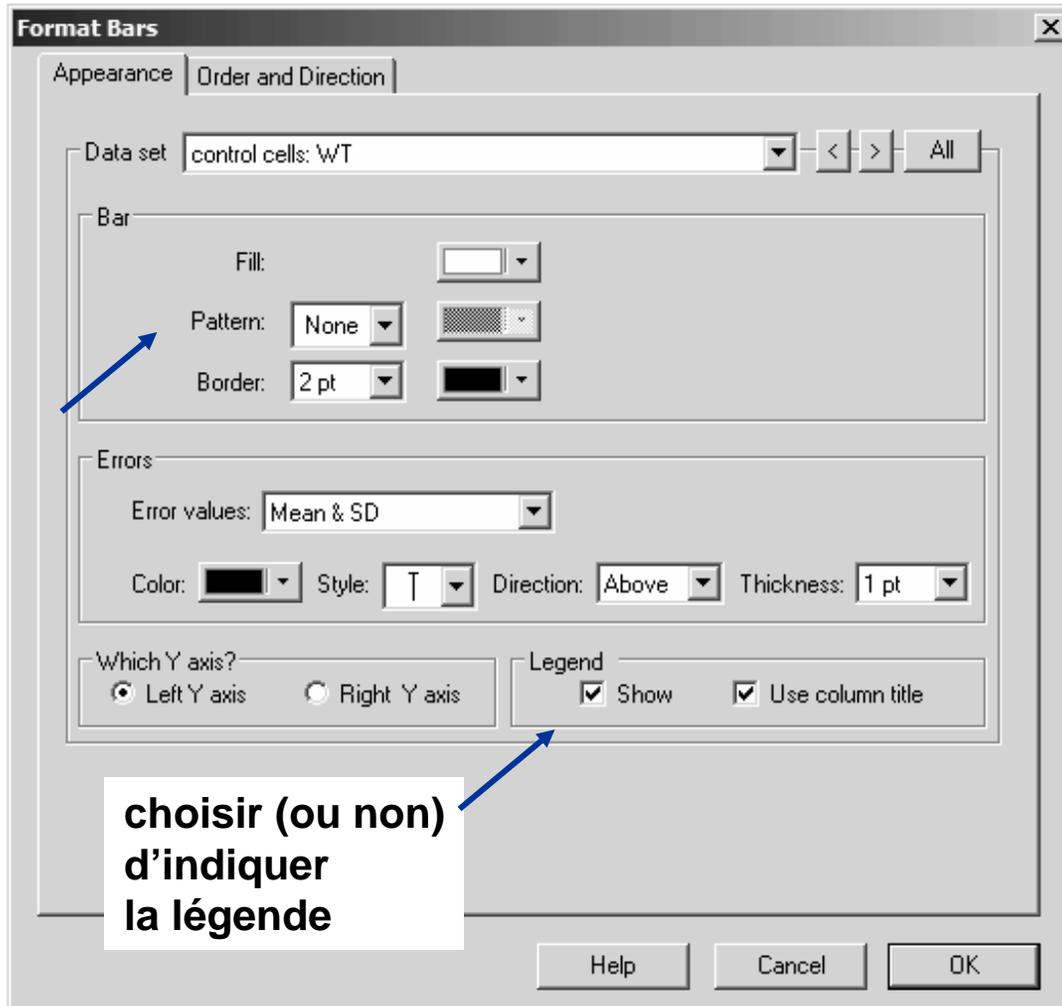
Améliorer le graphique ...



Améliorer le graphique ...



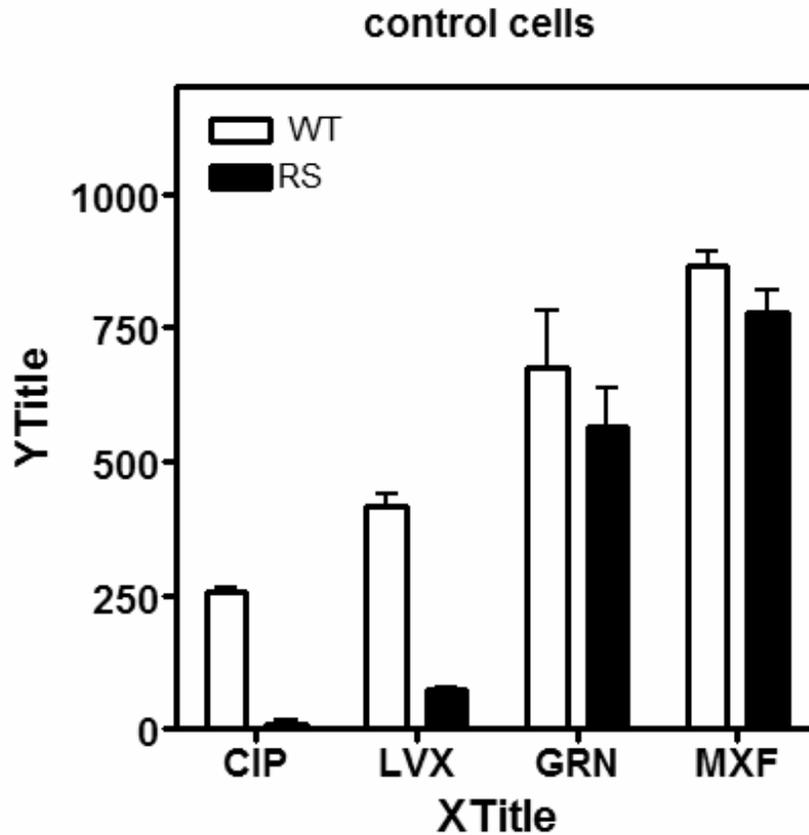
Améliorer le graphique ...



choisir l'apparence
et la couleur
des barres

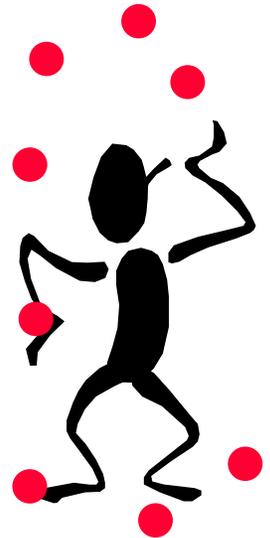
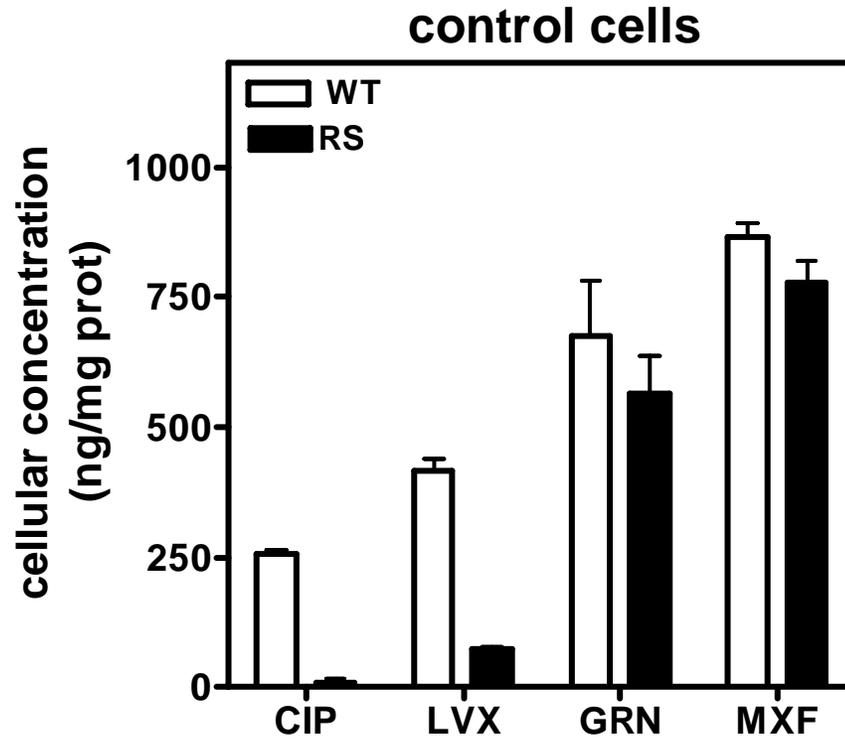
choisir (ou non)
d'indiquer
la légende

Améliorer le graphique ...



Cliquer sur le texte
pour indiquer
le titre exact de l'axe

Améliorer le graphique ...



Faire d'autres graphes identiques ...

The screenshot shows the GraphPad Prism interface. The 'Data' tab is active, and the 'control cells' sheet is selected. A menu is open over the data table, with 'Duplicate Sheet with Family...' highlighted. The data table contains the following values:

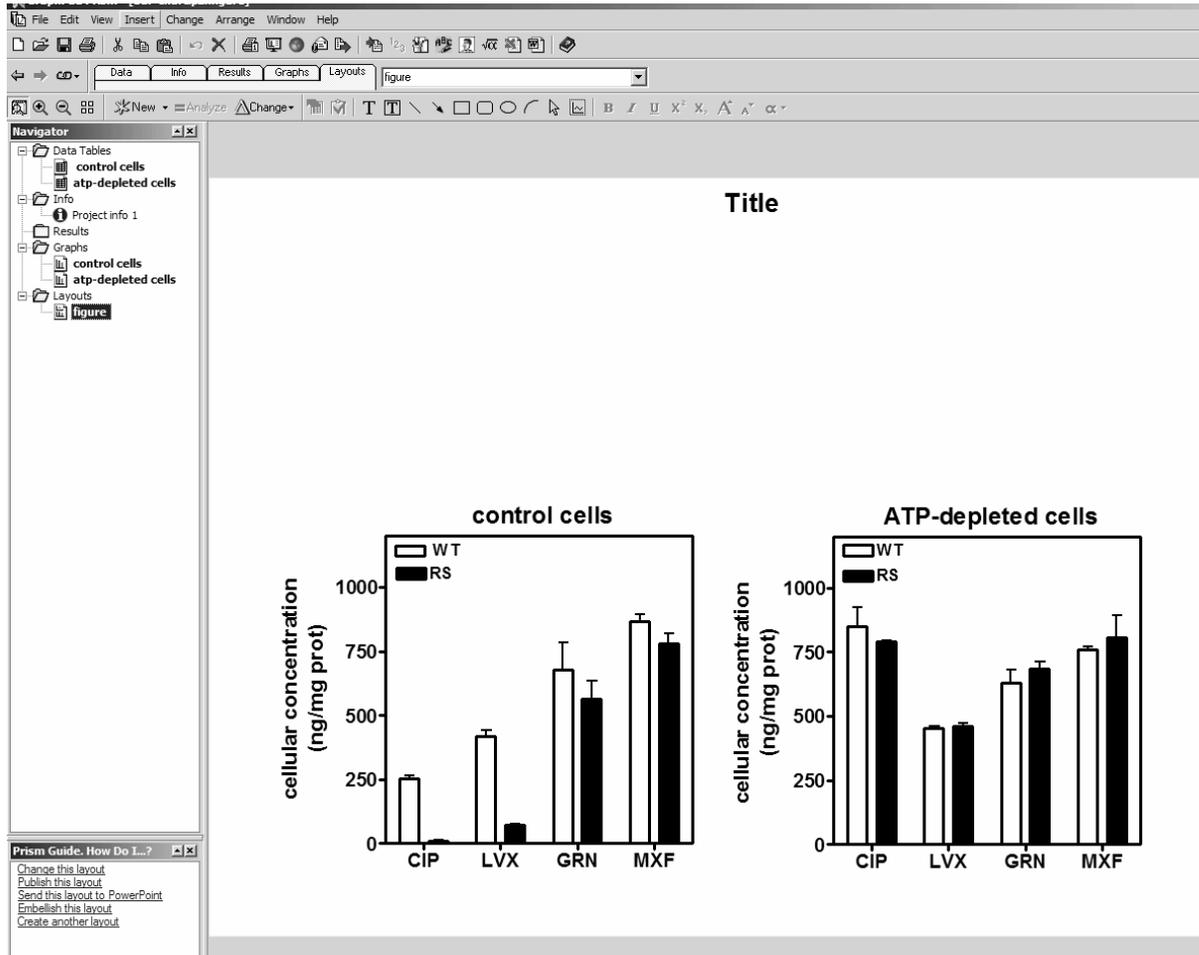
	A		B		
one	WT		RS		
	Mean	SD	Mean	SD	Mean
	254.700	9.700	9.750	5.700	
	417.833	22.515	74.664	2.074	
	676.491	105.767	562.884	73.420	
	865.900	27.900	779.700	41.600	

Crée un nouveau tableau de données et un graphique identique au précédent, Il suffit de

- renommer la nouvelle feuille
- changer les valeurs dans le tableau

pour obtenir un nouveau graphe exactement semblable au premier ...

Faire d'autres graphes identiques ...

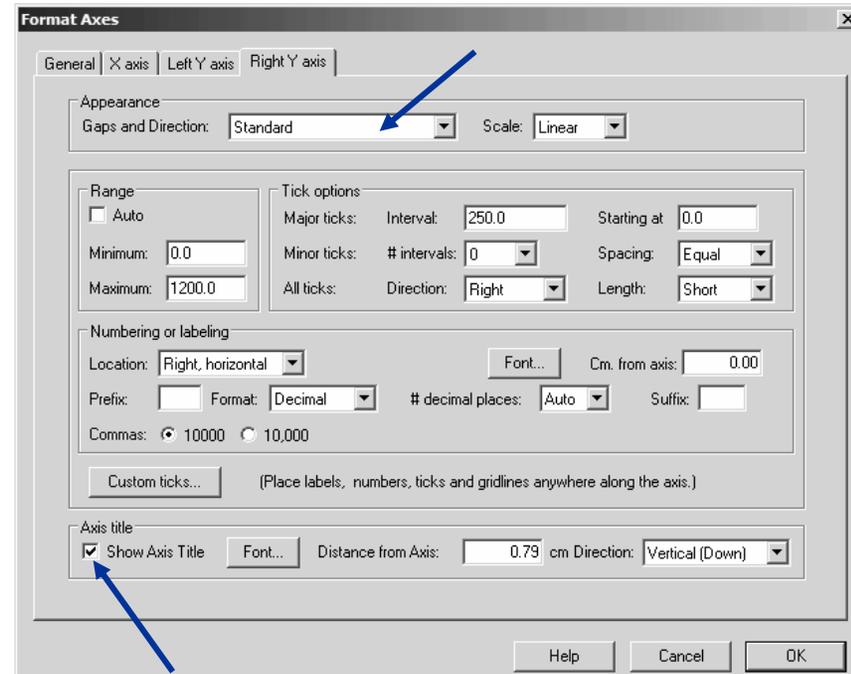
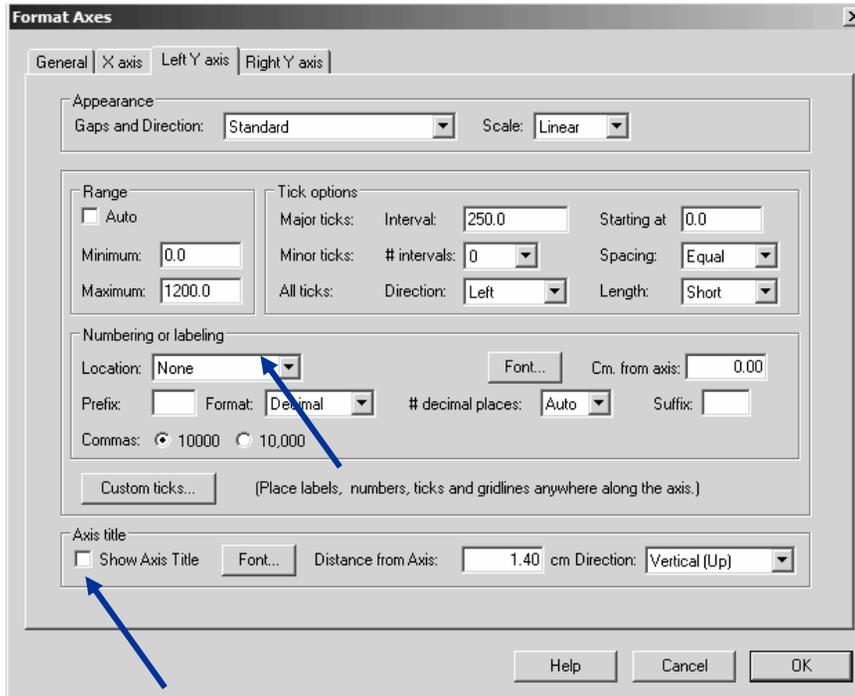


Idéal pour préparer des figures à panneaux multiples



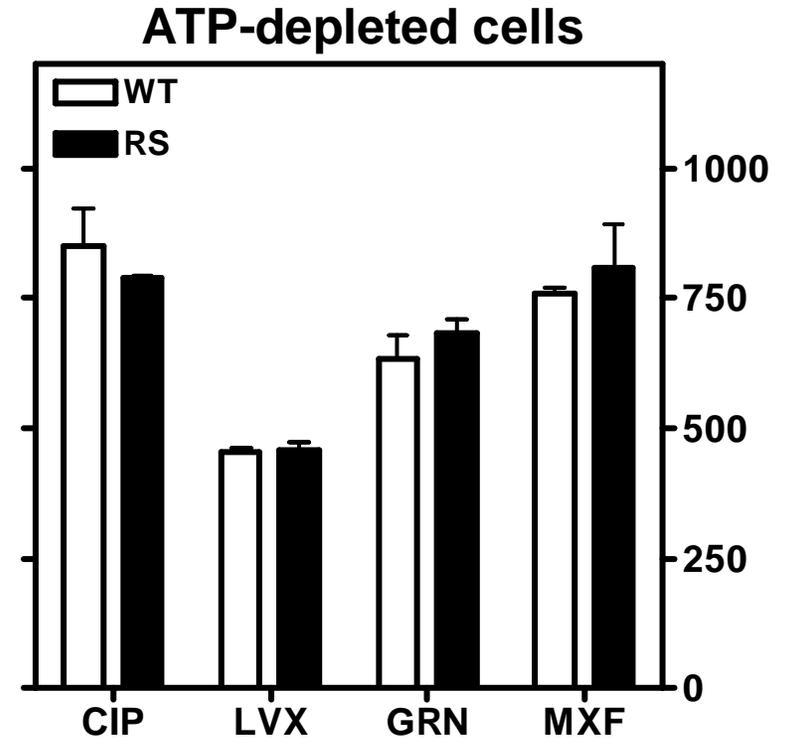
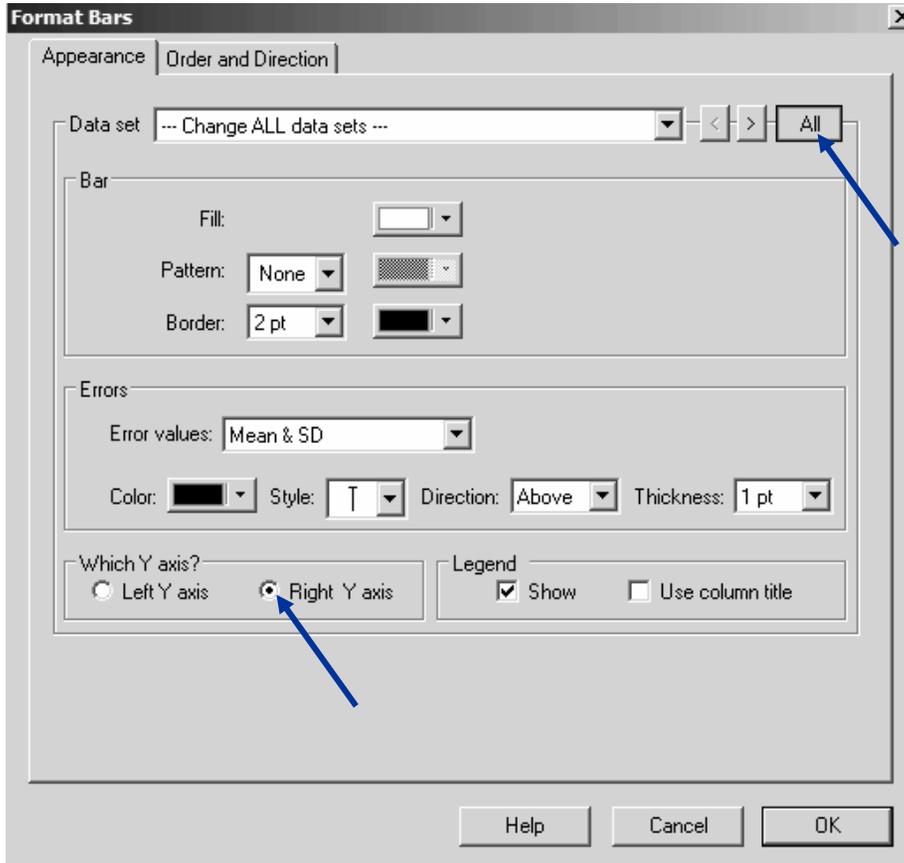
Faire d'autres graphes identiques ...

Activer l'axe de droite pour le panneau de droite
Désactiver l'axe de gauche



Faire d'autres graphes identiques ...

Plotter les données sur l'axe de droite



Faire une page à graphiques multiples

Navigator

- Data Tables
 - control cells
 - atp-depleted cells
- Info
 - Project info
- Results
- Graphs
 - control cells
 - atp-depleted cells
- Layouts
 - figure

Create New Layout

Arrangement of graphs

Create an array of graphs: 1 across by 2 down.

Page options

Orientation: Portrait Landscape

Background color: []

Include master title on top of page

Help Cancel Create

control cells

ATP-depleted cells

cellular concentration (ng/mg prot)

WT RS

CIP LVX GRN MXF

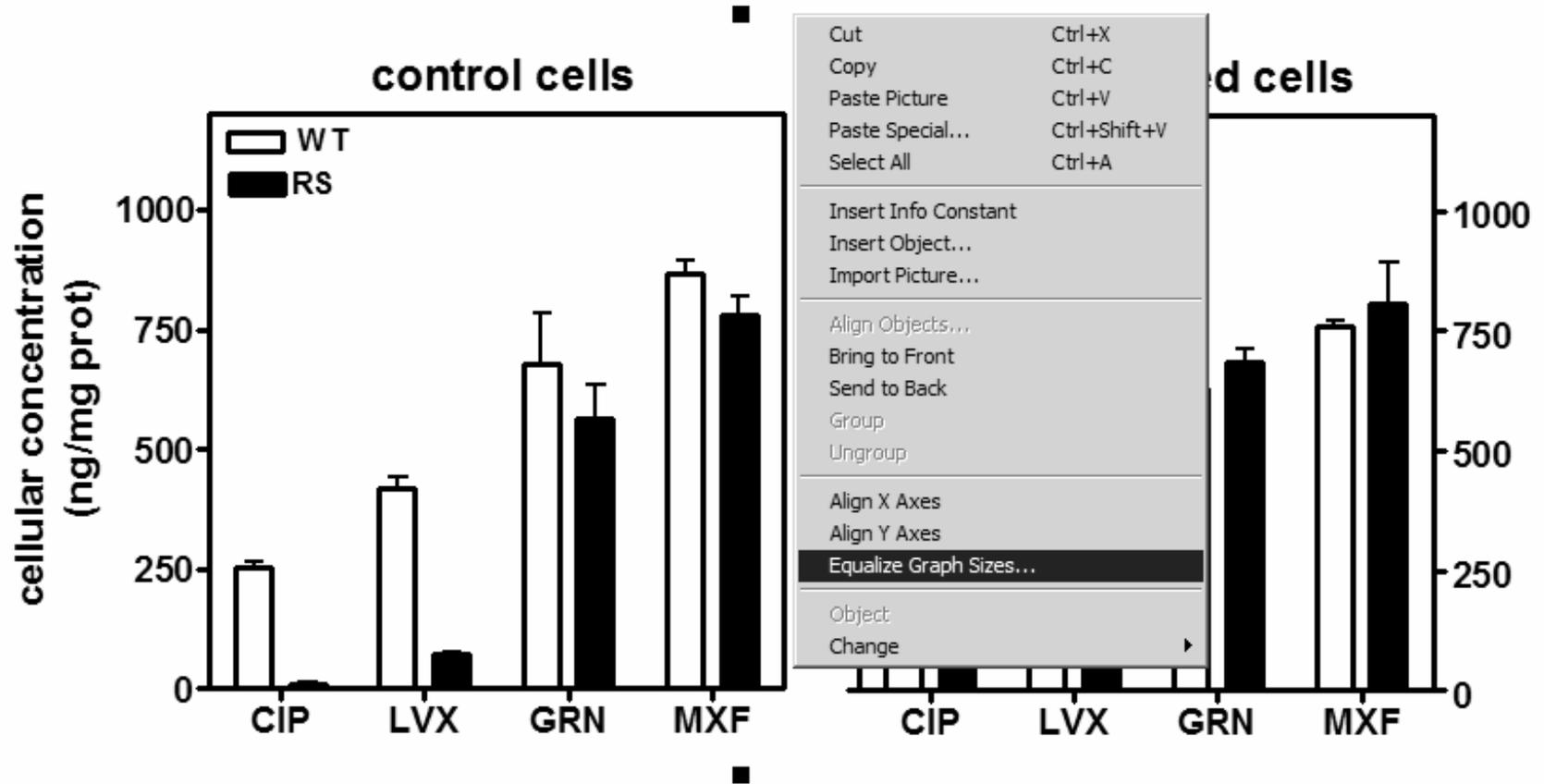
Genotype	Treatment	control cells (ng/mg prot)	ATP-depleted cells (ng/mg prot)
WT	CIP	~250	~850
WT	LVX	~400	~450
WT	GRN	~650	~600
WT	MXF	~850	~750
RS	CIP	~10	~800
RS	LVX	~50	~450
RS	GRN	~550	~650
RS	MXF	~750	~800

Prism Guide. How Do I...?

- Change this layout
- Publish this layout
- Send this layout to PowerPoint
- Embellish this layout
- Create another layout

New layout

Faire d'autres graphes identiques ...

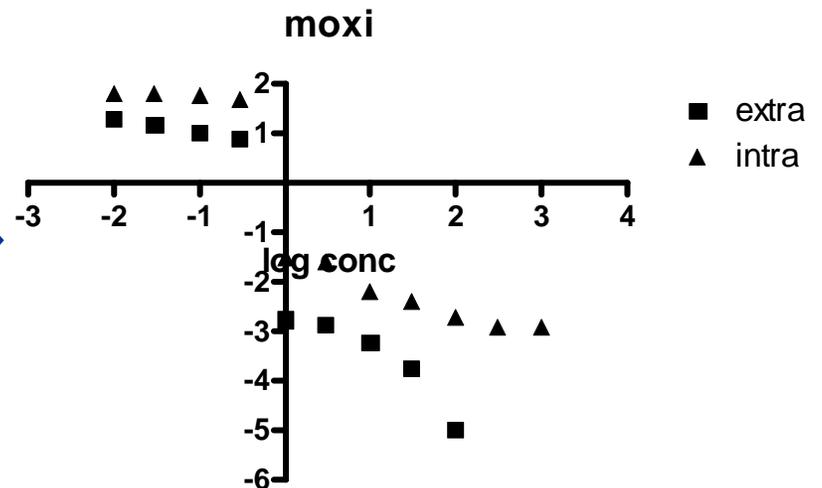


Faire un graphe x-y

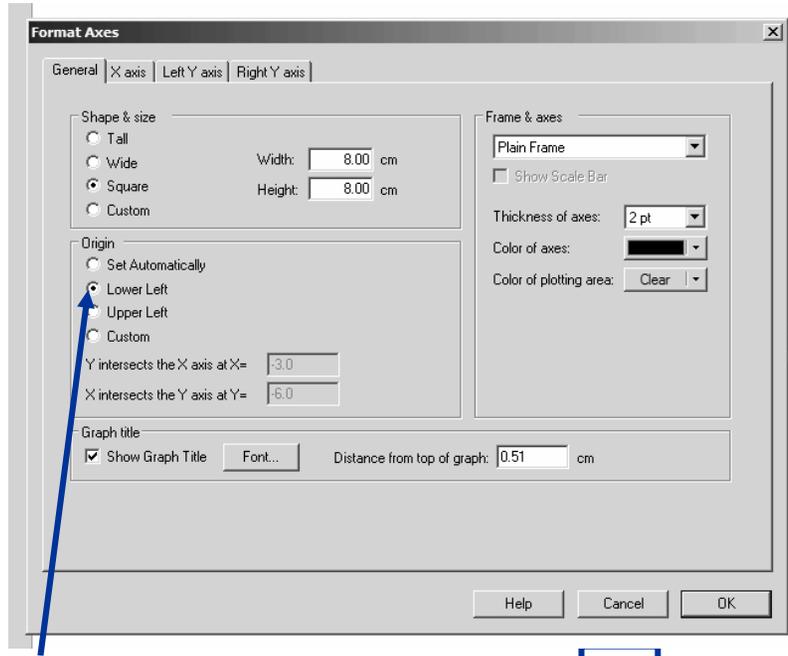
X Values	A		B		
log conc	extra		intra		
X	Mean	SD	Mean	SD	
-2.00	1.30	0.03	1.80	0.03	
-1.52	1.18	0.03	1.80	0.03	
-1.00	1.02	0.03	1.77	0.04	
-0.52	0.89	0.05	1.70	0.09	
0.00	-2.77	0.06	-1.50	0.01	
0.48	-2.88	0.07	-1.60	0.04	
1.00	-3.24	0.12	-2.18	0.03	
1.48	-3.75	0.10	-2.40	0.04	
2.00	-5.00		-2.70	0.07	
2.48			-2.90	0.06	
3.00			-2.93	0.03	



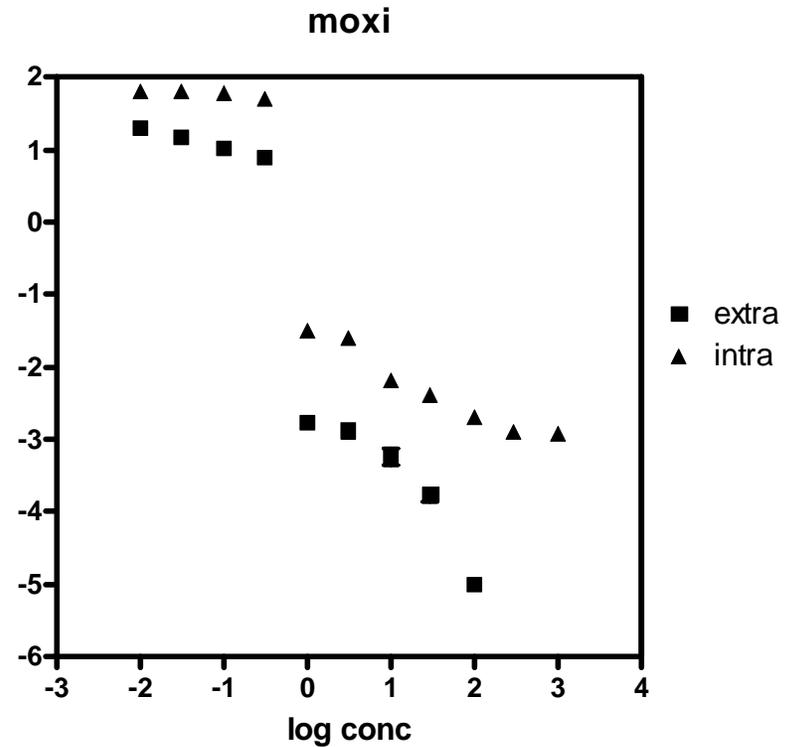
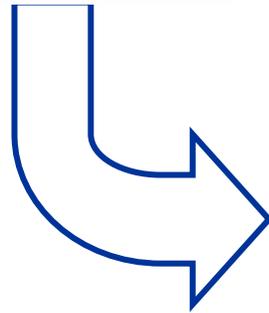
Graphe automatique !



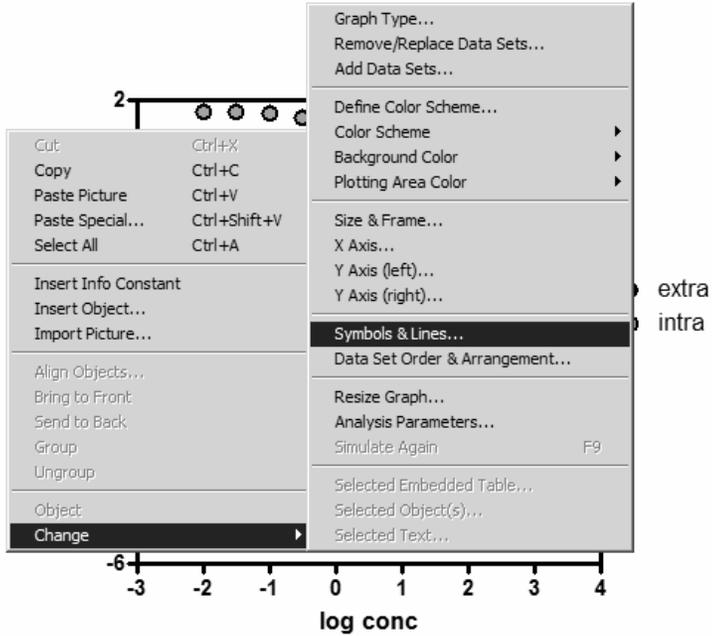
Positionner les axes correctement



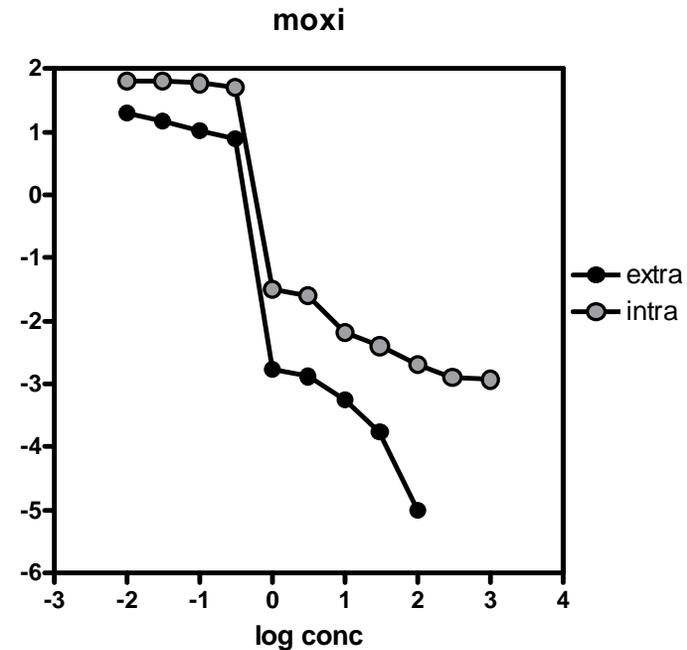
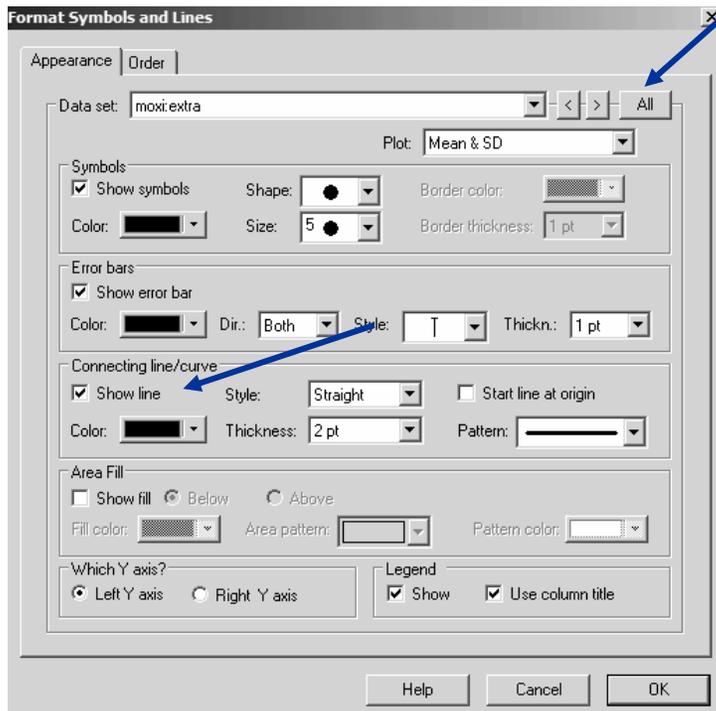
Définir
l'intersection
des axes



Ajouter les lignes

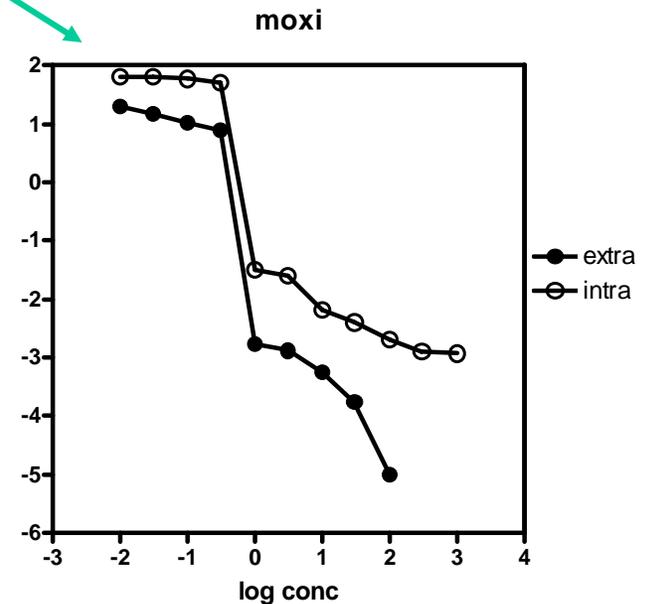
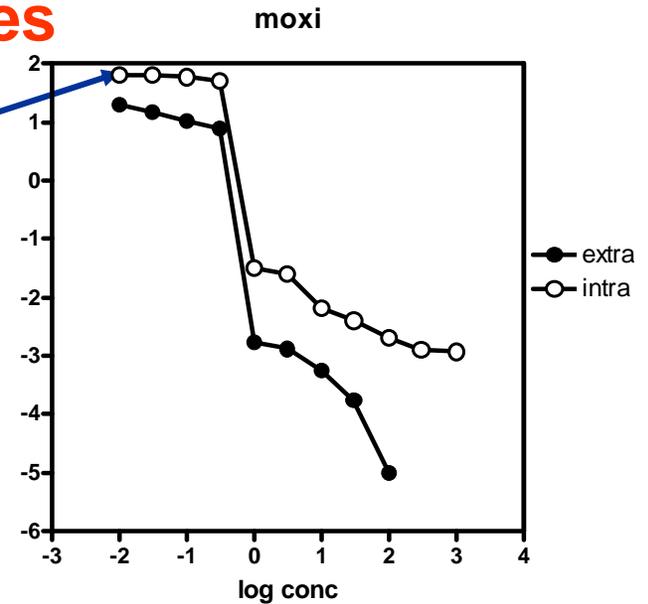
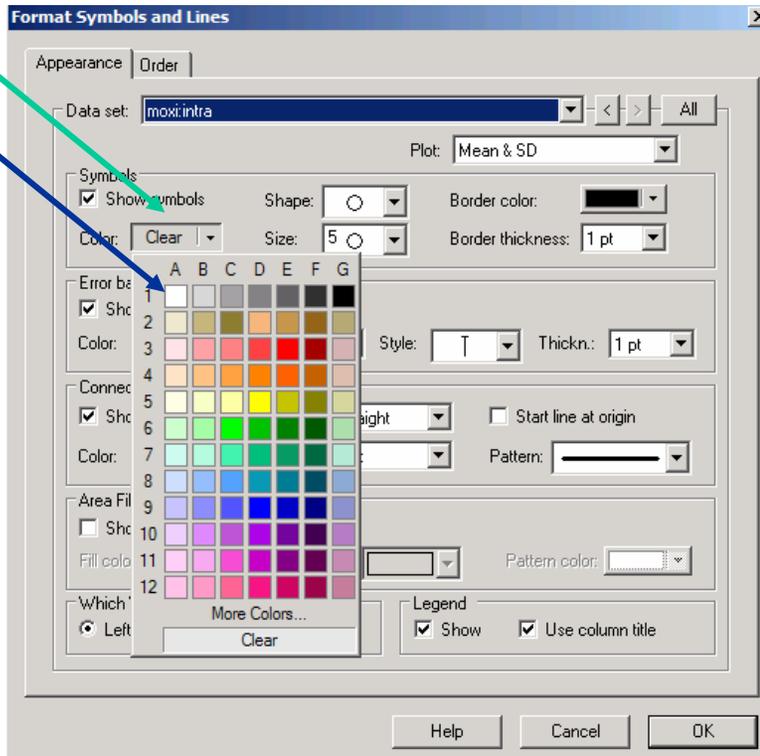


En cliquant sur « all »,
la ligne liant les points
s'ajoute
à toutes les séries de données

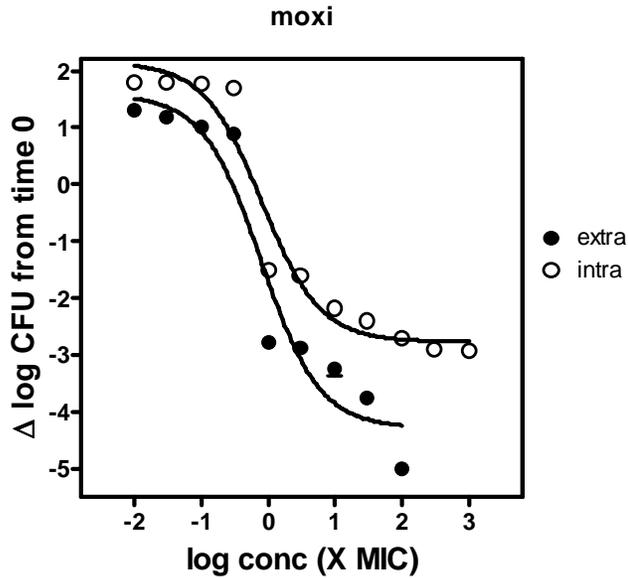


Ajuster les symboles

Si vous choisissez des symboles blancs, préférez un remplissage blanc plutôt qu'un symbole vide



Mais peut-être préférez-vous une relation mathématique ?



GraphPad Prism interface showing the 'Analyze Data' dialog box. The 'X Values' table is visible, and the 'Analyze Data' dialog is open, showing the 'Type' section with 'Nonlinear regression (curve fit)' selected.

X Values		A		B		C		D	
log conc		extra		intra		Title		Title	
X	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
1	-2.00	1.30	0.03	1.80	0.03				
2	-1.52	1.18	0.03	1.80	0.03				
3	-1.00	1.02	0.03	1.77	0.04				
4	-0.52	0.89	0.05	1.70	0.09				
5	0.00	-2.77	0.06	-1.50	0.01				
6	0.48	-2.88	0.07	-1.60	0.04				
7	1.00	-3.24							
8	1.48	-3.75							
9	2.00	-5.00							
10	2.48								
11	3.00								
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

Analyze Data

Analysis

- Built-in analysis.
- Use saved method.
- Method by example. Analyze and graph the same as another table in this project.

Type

- Curves & regression
- Statistical analyses
- Data manipulations
- Simulate and generate
- Clinical lab
- Recently used

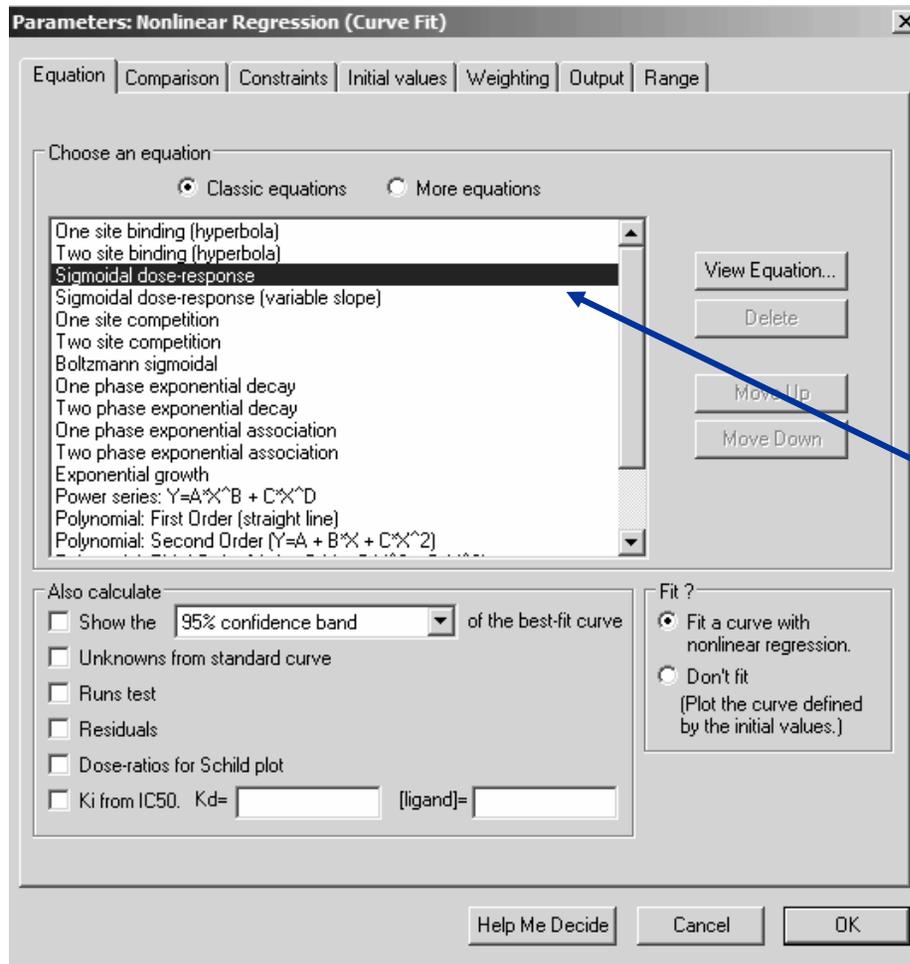
Linear regression
Nonlinear regression (curve fit)

Data to analyze

- All data sets
- Selected data sets

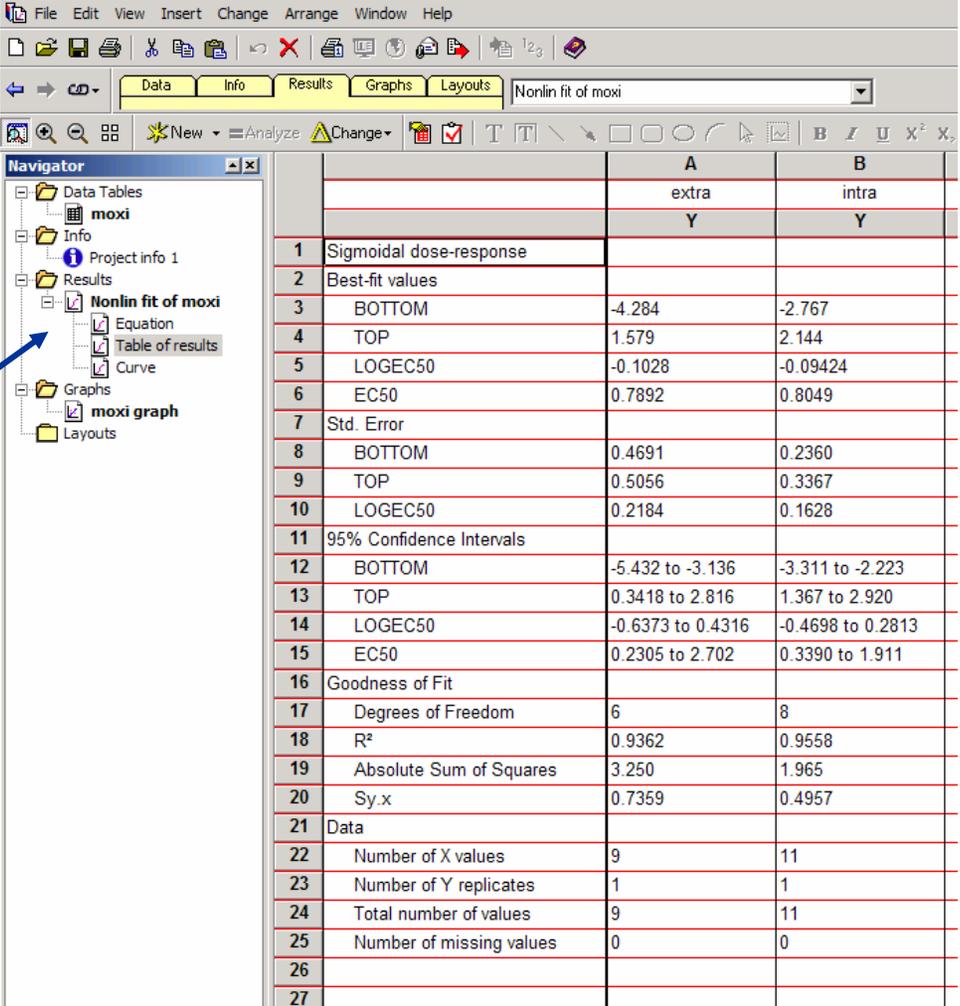
Help Cancel OK

Mais peut-être préférez-vous une relation mathématique ?



Choisir le type d'équation qui correspond à vos données

Mais peut-être préférez-vous une relation mathématique ?



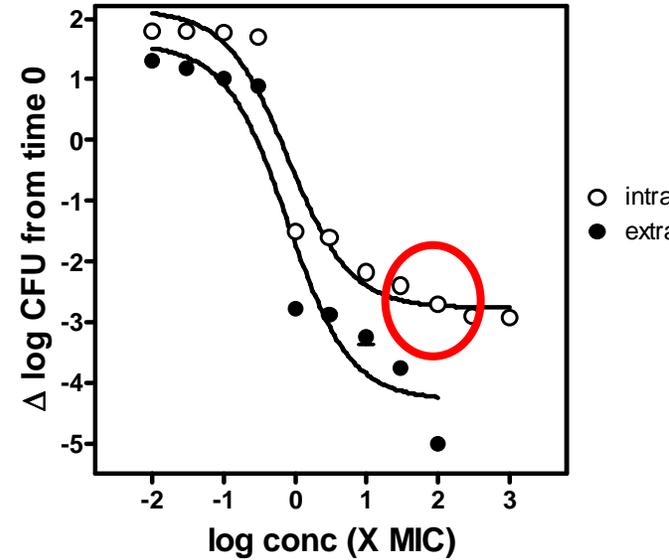
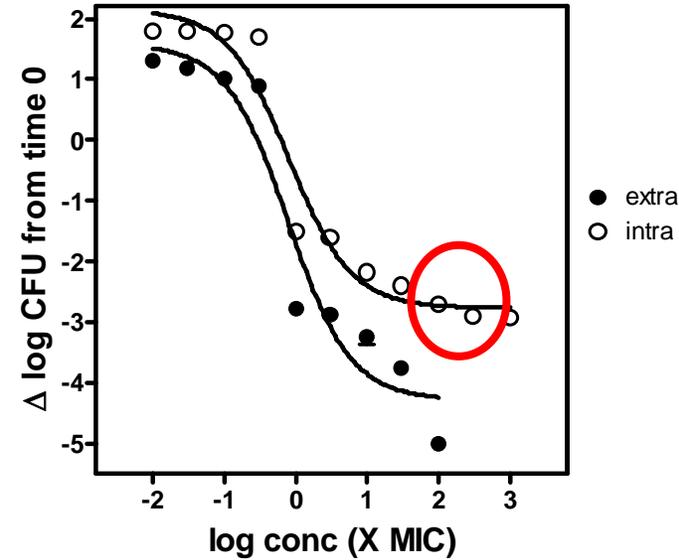
		A	B
		extra	intra
		Y	Y
1	Sigmoidal dose-response		
2	Best-fit values		
3	BOTTOM	-4.284	-2.767
4	TOP	1.579	2.144
5	LOGEC50	-0.1028	-0.09424
6	EC50	0.7892	0.8049
7	Std. Error		
8	BOTTOM	0.4691	0.2360
9	TOP	0.5056	0.3367
10	LOGEC50	0.2184	0.1628
11	95% Confidence Intervals		
12	BOTTOM	-5.432 to -3.136	-3.311 to -2.223
13	TOP	0.3418 to 2.816	1.367 to 2.920
14	LOGEC50	-0.6373 to 0.4316	-0.4698 to 0.2813
15	EC50	0.2305 to 2.702	0.3390 to 1.911
16	Goodness of Fit		
17	Degrees of Freedom	6	8
18	R ²	0.9362	0.9558
19	Absolute Sum of Squares	3.250	1.965
20	Sy.x	0.7359	0.4957
21	Data		
22	Number of X values	9	11
23	Number of Y replicates	1	1
24	Total number of values	9	11
25	Number of missing values	0	0
26			
27			

- « Results » vous donne
- l'équation utilisée
 - les paramètres calculés
 - les points dessinant la courbe

Améliorer encore le graphe ... moxi

moxi

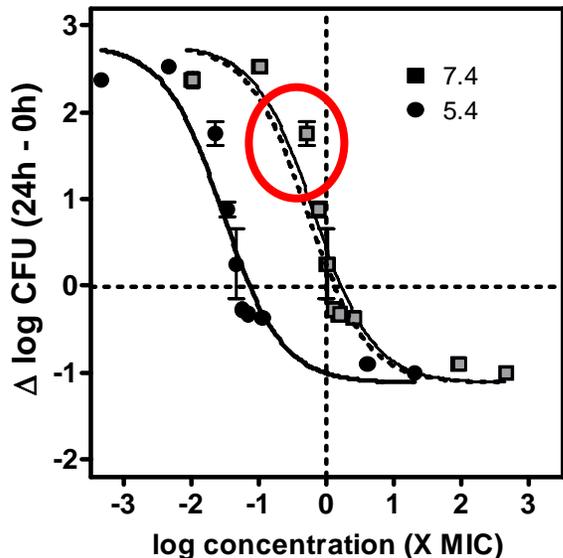
moxi



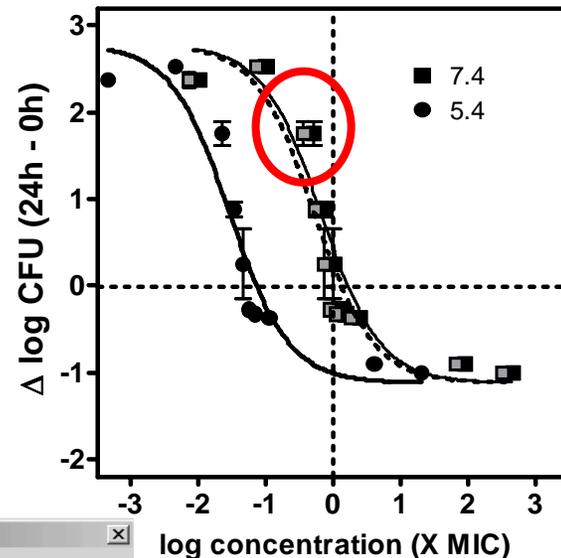
Mettre d'abord les données qui doivent figurer à l'arrière plan

Améliorer encore le graphe ... gentamicin

gentamicin



Décaler les symboles qui se superposent



Format Symbols and Lines

Appearance Order

The order of data sets in this list determines what happens when two data points overlap. Data sets placed higher on this list will be graphed behind of data sets lower on the list.

Data sets plotted (back to front):

- log x CMI:7.4
- Nonlin fit of log x CMI:7.4
- log x CMI:5.4
- Nonlin fit of log x CMI:5.4
- log x CMI:5.4* lysosomes
- Nonlin fit of log x CMI:5.4* lysosomes

Nudge. To prevent overlap, move this data set.

Increment X by Increment Y by (data units)

Help Cancel OK

Graph Type...

Remove/Replace Data Sets...

Add Data Sets...

Define Color Scheme...

Color Scheme

Background Color

Plotting Area Color

Size & Frame...

X Axis...

Y Axis (left)...

Y Axis (right)...

Symbols & Lines...

Data Set Order & Arrangement...

Resize Graph...

Analysis Parameters...

Simulate Again F9

Selected Embedded Table...

Selected Object(s)...

Selected Text...

Cut Ctrl+X

Copy Ctrl+C

Paste Ctrl+V

Paste Special... Ctrl+Shift+V

Select All Ctrl+A

Insert Info Constant

Insert Object...

Import Picture...

Align Objects...

Bring to Front

Send to Back

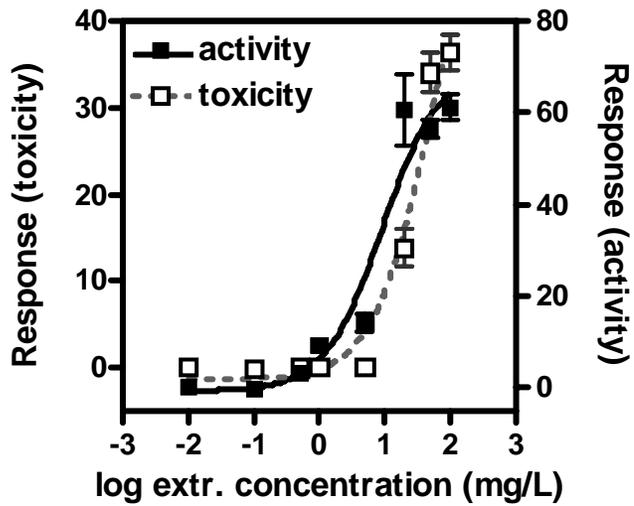
Group

Ungroup

Object

Change

Et un graphe à double échelle ? ...



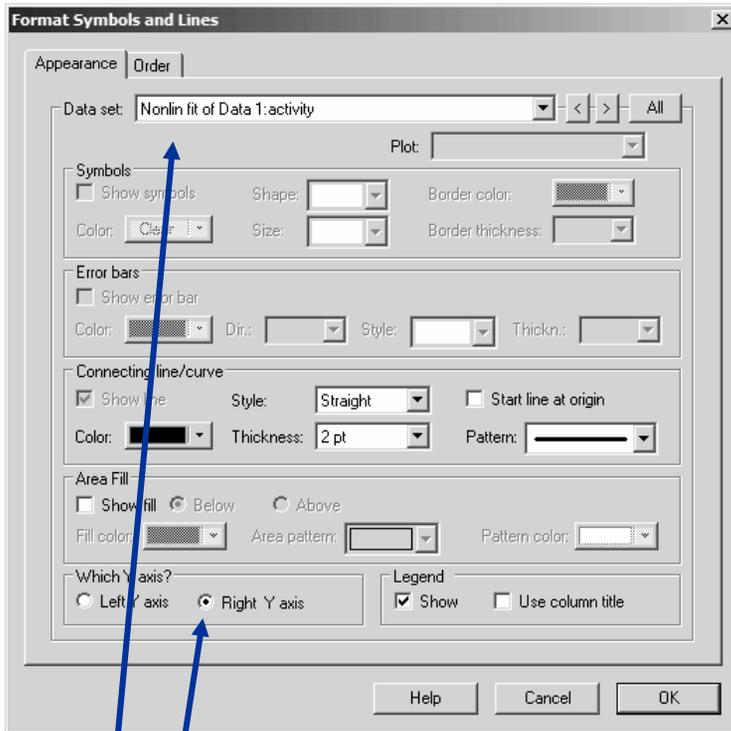
Context menu options:

- Cut (Ctrl+X)
- Copy (Ctrl+C)
- Paste (Ctrl+V)
- Paste Special... (Ctrl+Shift+V)
- Select All (Ctrl+A)
- Insert Info Constant
- Insert Object...
- Import Picture...
- Align Objects...
- Bring to Front
- Send to Back
- Group
- Ungroup
- Object
- Change

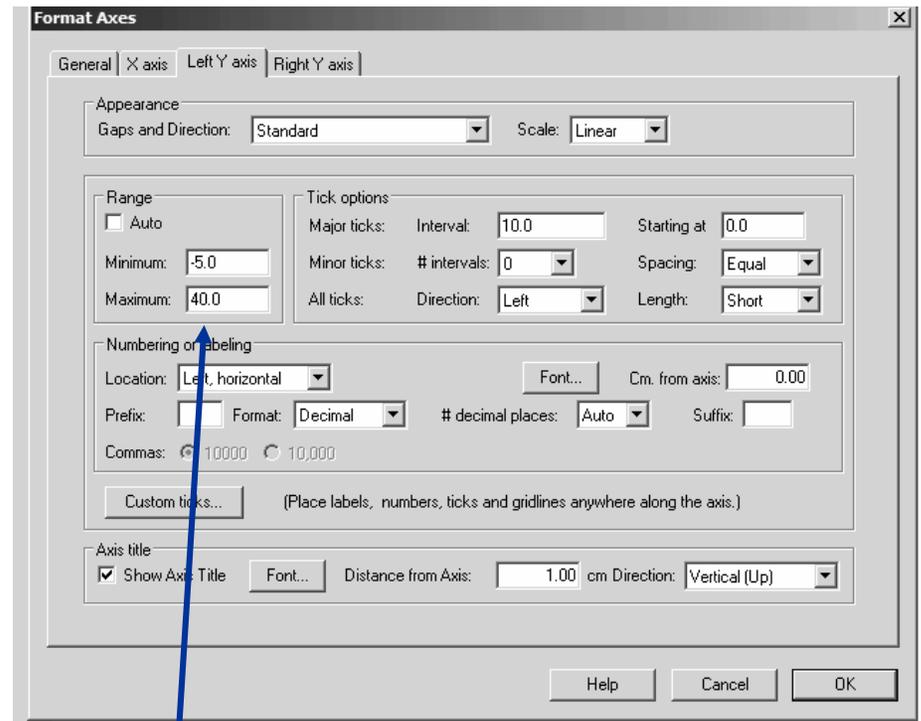
Secondary menu options (from 'Change'):

- Graph Type...
- Remove/Replace Data Sets...
- Add Data Sets...
- Define Color Scheme...
- Color Scheme
- Background Color
- Plotting Area Color
- Size & Frame...
- X Axis...
- Y Axis (left)...
- Y Axis (right)...
- Symbols & Lines...
- Data Set Order & Arrangement...
- Resize Graph...
- Analysis Parameters...
- Simulate Again (F9)
- Selected Embedded Table...
- Selected Object(s)...
- Selected Text...

Et un graphe à double échelle ? ...

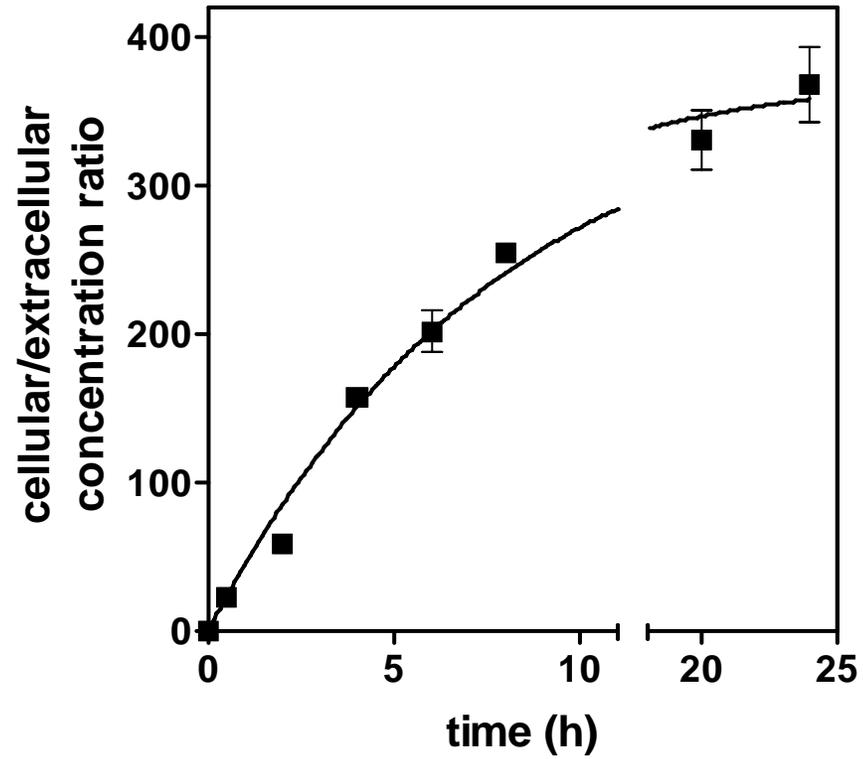


**Pour chaque donnée,
indiquez sur quel axe
elle est plottée**

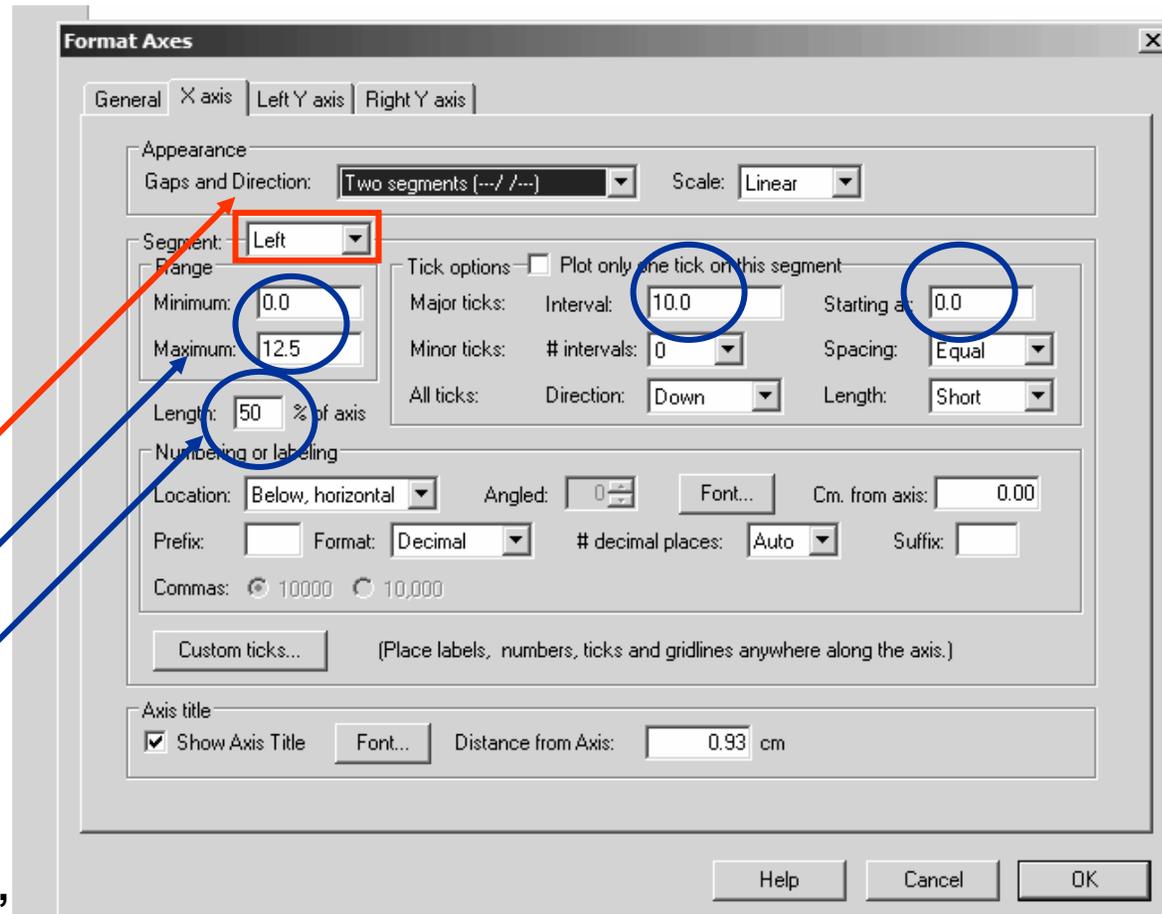


**Ajustez les échelles de vos axes
pour que les données
se superposent ...**

Couper l'axe ?

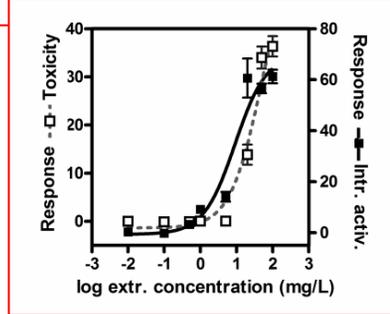
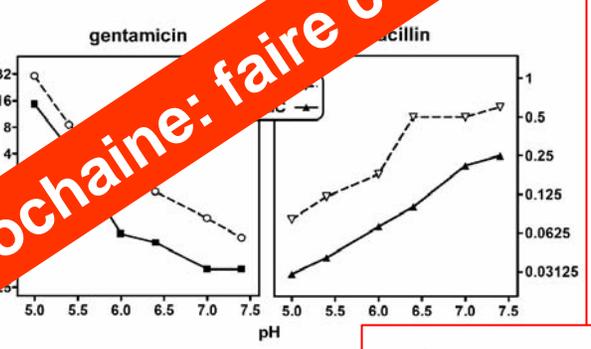
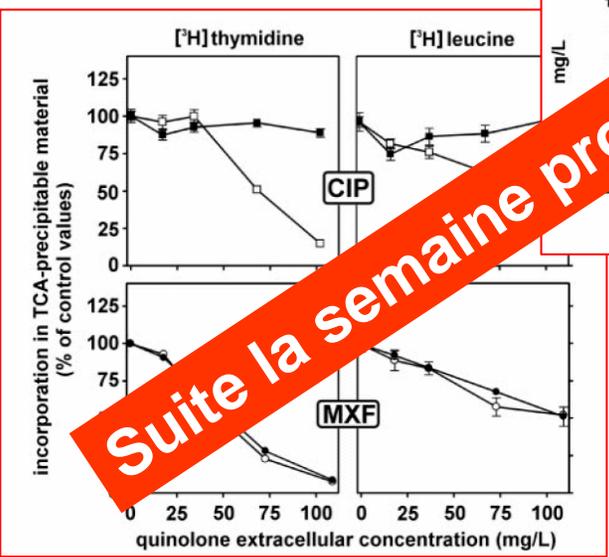
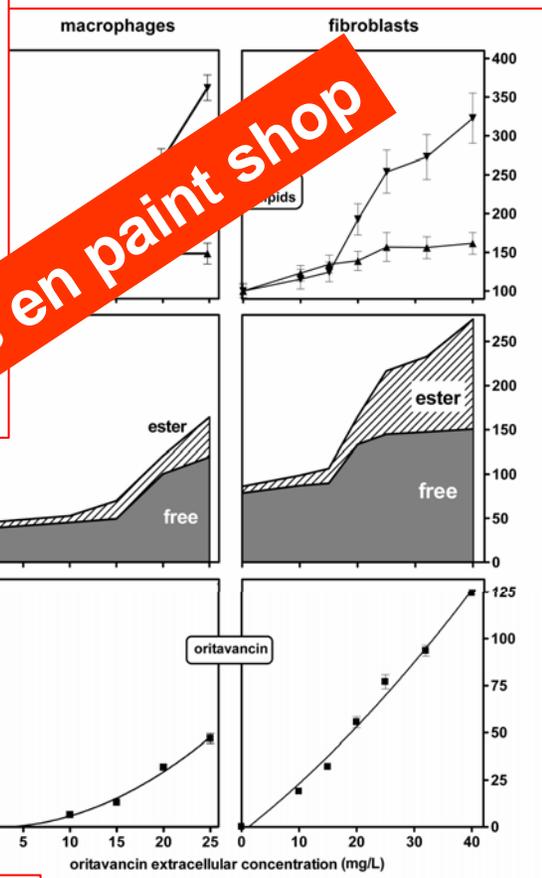
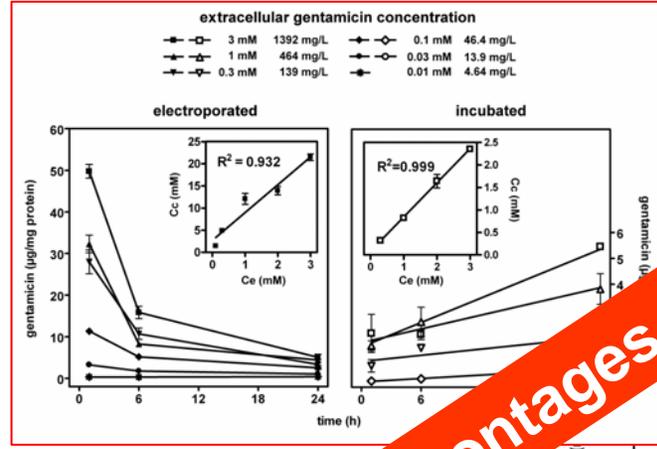
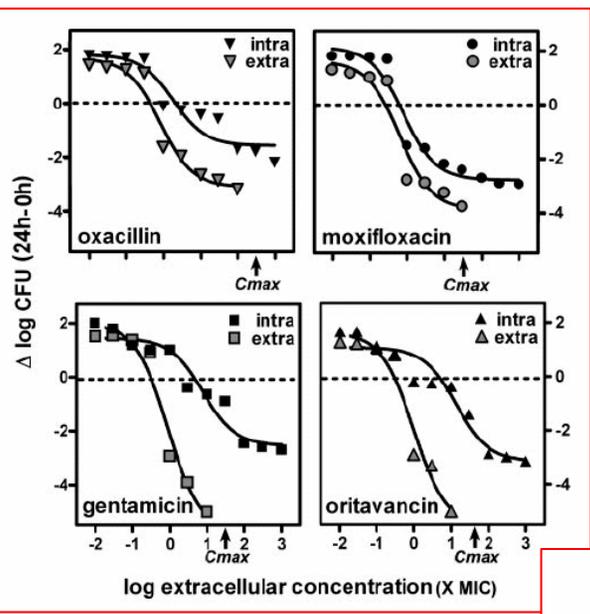


Couper l'axe ?



**Pour chaque segment,
Choisir l'échelle et la proportion que la partie d'échelle occupe sur le graphique**

Pas si difficile de faire des beaux graphiques ...



Suite la semaine prochaine: faire ces montages en paint shop