GenePattern Notebook Cheat Sheet

GenePattern Notebook Repository: notebook.genepattern.org

Log in to GenePattern
1. In the menu bar, choose Insert → Insert Cell Above/Below (shortcut a/b)
2. In the menu bar, choose Cell → Cell Type → GenePattern (shortcut g)
3. In the GenePattern login cell, select the desired server from the dropdown list
4. Enter your username and password and click Log into GenePattern

Add a GenePattern analysis cell
1. Make sure you are logged in to a GenePattern server (see Login to GenePattern above)
2. In the menu bar, choose Insert → Insert Cell Above/Below (shortcut a/b)
3. In the menu bar, choose Cell → Cell Type → GenePattern (shortcut g)
4. In the module selection window, find the desired module by doing one of the following:
    a. Scroll to the module
    b. Type the module's name in the search bar (which reads "Type to Filter")
    c. Type related keywords in the search bar
5. Click on the desired module

Enter formatted text
1. In the menu bar, choose Insert → Insert Cell Above/Below (shortcut a/b)
2. In the menu bar, choose Cell → Cell Type → Markdown (shortcut m)
    - To enter text in Markdown, use the guides below.
    - To enter text in word-processor mode, click the [icon] icon.
    - To render the formatted text, click [icon]

Markdown Syntax

Item	Markdown	Output

Headers	`# This is a header 1`
	`## This is a header 2`
	`###### This is a header 6`
		This is a header 1
		This is a header 2
		This is a header 6

Bold	`**this will be in bold**`	**this will be in bold**
Italics	`_this will be in italics_`	_this will be in italics_

Bullet/ordered list	`- first item` `1. first item`
	`- second item` `2. second item`
	`- third item` `3. third item`
		• first item 1. first item
		• second item 2. second item
		• third item 3. third item

Web link	`[Google](http://www.google.com)`	Google

Table data	`| Column 1 | Column 2 |`
	`| --- | --- |`
	`| Item 1 | Item 2 |`
		Column 1 / **Column 2**
		Item 1 / Item 2

More information:
- http://daringfireball.net/projects/markdown
- https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet

GenePattern Notebook Keyboard Shortcuts

Command Mode
(type `Esc` to enable)

General
`F` : find and replace
↵ : enter edit mode
⌘⇧P : open the command palette

Run cells
⇧↵ : run cell, select below
^↵ : run selected cells
⌥↵ : run cell, insert below

Convert cell type
`Y` : to code
`M` : to markdown
`R` : to raw
`G` : to GenePattern
`1` : to heading 1
`2` : to heading 2
`3` : to heading 3
`4` : to heading 4
`5` : to heading 5
`6` : to heading 6

Select cells
`K` : select cell above
↑ : select cell above
↓ : select cell below
`J` : select cell below
⇧`K` : extend selected cells above
⇧↑ : extend selected cells above
⇧↓ : extend selected cells below
⇧`J` : extend selected cells below

Manipulate cells
`A` : insert new cell above
`B` : insert new cell below
`X` : cut cell
`C` : copy cell
⇧`V` : paste cell above
`V` : paste cell below
`Z` : undo cell deletion
`DD` : delete selected cell
⇧`M` : merge selected cells, or current cell with
cell below if only one cell selected

Document and system operations
⌘`S` : Save and Checkpoint
`S` : Save and Checkpoint
`II` : interrupt kernel
`00` : restart the kernel (with dialog)
`Esc` : enter Command Mode
`Q` : close the pager

View options
`L` : toggle line numbers
`O` : toggle output of selected cells
⇧`O` : toggle output scrolling of selected cells
`H` : show keyboard shortcuts
⇧␣ : scroll notebook up
␣ : scroll notebook down

Edit Mode
(type `Enter` to enable)
Used while editing cell contents

⇥ : code completion or indent
⇧⇥ : tooltip
⌘`]` : indent
⌘`[` : dedent
⌘`A` : select all
⌘`Z` : undo
⌘⇧`Z` : redo
⌘`Y` : redo
⌘↑ : go to cell start
⌘↓ : go to cell end
⌥← : go one word left
⌥→ : go one word right
⌥⌫ : delete word before
⌥⌦ : delete word after
^`M` : command mode
`Esc` : command mode
⌘⇧`P` : open the command palette
⇧↵ : run cell, select below
^↵ : run selected cells
⌥↵ : run cell, insert below
^⇧`-` : split cell
⌘`S` : Save and Checkpoint
↓ : move cursor down
↑ : move cursor up