Seminar III: R/Bioconductor

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Note: Questions through the forum please. Those who are not from the sixth LCG generation send us an email so we can register you on the forum.

Abstract

The following exercise will make sure that you can use the **GenomeGraphs** package.

1 GenomeGraphs

- 1. Download the following paper by Durinck, Bullard, Spellman and Dudoit: http://www.ncbi.nlm.nih.gov/pubmed/19123956
- 2. Reproduce figure 3 from the paper. Its just a matter of extracting the code from the text:)
- 3. Make a new plot with some re-ordering: invert the order of tracks. Meaning that you'll have conservation on top, followed by the Lee data, then David -,

David +, Nagalakshmi, + gene region, genome axis, and finally - gene region. Change the colors of all the tracks to any ones you like (without repeating them). Finally, add a text overlay with your username on the conservation track around positions 1301700 to 1301900. You might prefer to build each gdObject like in the class (a, b, c, ...) and then create the list when you use gdPlot.

4. Explain every "make..." command:)