Responsepredictor 1.0beta Developer guide

Text version: 1.0

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1. Introduction

Responsepredictor assists molecular biologists in developing and simulating dynamic models of cellular behavior. It is a Java based webapplication, enabling easy access for the user to the software. Models can be built in Responsepredictor or imported from Cytoscape standalone via xgmml. The interface is based on the Cytoscape Web component, written in flash. The server code is based on struts, separating logic and interface handling and uses Java servlet technology.

The repository is open for download. The homepage of the project is http://code.google.com/p/responsepredictor/ .

2. Clone the mercurial repository

The responsepredictor project is hosted on code.google in a mercurial repository. To clone the repository do the following.

2.1 install mercurial on local machine

Download from:

 http://mercurial.selenic.com/

Compile On linux

Mercurial is written in python. In order to compile it, you need the python-dev library. At least version 2.4.

Untar the download file and run:

make

make install

In case you use Ubuntu linux, you get probably error messages when using mercurial, about missing plugins. You have than to comment out all lines in /etc/mercurial/hgrc.d/hgext.rc starting with hgext. .

2.2 Install mercurial plugin in eclipse

You can get the plugin easily using the Eclipse Update Manager, just click Help → Install New Software in Eclipse. The Eclipse Update Site for HgEclipse is available at this URL:

http://hge.javaforge.com/hgeclipse

Further information on

http://javaforge.com/project/HGE

2.3 Get project responsepredictor

In eclipse, create new Project, select wizard Mercurial/ Clone repository Mercurial

The Url you have to use is: https://responsepredictor.googlecode.com/hg/

You don't need to fill in username and password.

3. Run responsepredictor from the repository directory.

To run responsepredictor from the repository directory do the following.

1. Set the default output folder for the build to <workspace>/responsepredictor/WebContent/WEB-INF/classes
2. Build the project, generating the class files.
3. Adjust the responsepredictor.xml in cfg/tomcat/ to the correct docbase,
4. Copy this file in <tomcat install dir>/conf/Catalina/localhost/
5. Restart tomcat

4. Requirements

4.1 client side

- Webbrowser with Adobe Shockwave flashplayer installed. Responsepredictor is developed with firefox 3.6 and Adobe Shockwave flash 10 plugin. It is also tested with Safari.

4.2 Server side

- Java servlet container, for example tomcat 5.5.27 or higher.