

# PlasmoID INSTALLATION GUIDE

## Prerequisites for the Plugin

PlasmoID is a plugin for Cytoscape. Hence, before we move on to the installation of PlasmoID, it is mandatory to have downloaded and installed Cytoscape. The downloadable files and installation procedure for Cytoscape are available at: <http://www.cytoscape.org/>.

Both Cytoscape and the plugin are developed using Java and require JVM for their functioning. This can be downloaded from <http://java.sun.com>

The plugin also requires the MySQL database, since the database has been built using MySQL and a dump of the same is provided here. MySQL database also has to be downloaded and installed.

## PlasmoID Installation Guide

### **Linux Installation:**

1. Download the PlasmoID Plugin, compatible with Cytoscape 2.5.0 (PlasmoID.jar archive) and the PlasmoID Database (PlasmoID.db) dump file from <http://pfalciparum.atc.tcs.com/PlasmoID#download>
2. Copy the PlasmoID Plugin (PlasmoID.jar) file to 'plugin' folder inside Cytoscape's home directory
3. Move the MySQL-JDBC Connector (mysql-connector-java-5.0.4-bin.jar) to the "lib" folder in Cytoscape's home directory.
4. Import the data from the PlasmoID Database (PlasmoID.db) file into MySQL database, using the following command at the command prompt  
mysql -u username -p --database databasename <PlasmoID.db  
Enter the password for the user at the password prompt
5. Run Cytoscape using the executable or shell script from it's home directory
6. Select the database configuration panel of the PlasmoID plugin from the menu: "Plugins -> PlasmoID Plugin -> PlasmoID Configuration" and enter the properties for database connection.

Eg:

URL: jdbc:mysql://localhost/PlasmoID\_database\_name

Username: DB\_username

Password: DB\_password

Driver: com.mysql.jdbc.Driver

7. Click on "save" to save the properties to PlasmoID.config file.

(Make sure there's a file named PlasmoID.config to enter the database configuration properties in Cytoscape's home directory, if the database isn't working right away.)

### **Windows Installation**

1. Download the PlasmoID Plugin, compatible with Cytoscape 2.5.0 (PlasmoID.jar archive) and the PlasmoID Database (PlasmoID.db) dump file from <http://pfalciparum.atc.tcs.com/PlasmoID#download>

For downloading the database, right-click on the download link, select "Save

target as” option and then save the file.

2. Copy the PlasmoID Plugin (PlasmoID.jar) file to 'plugin' directory inside Cytoscape's home directory (path to the directory where cytoscape has to been installed - usually c:\Program Files\cytoscape-v2.5.0\)
3. Move the MySQL-JDBC Connector (mysql-connector-java-5.0.4-bin.jar) to the "lib" folder inside Cytoscape's home directory .
4. Import the data from the PlasmoID Database (PlasmoID.db) file into MySQL database.

- Open the command prompt. From the Start menu, Start-> Run .
- Now type in “cmd” and click on “ok”. This will open the command prompt.
- Now, change the path to the directory, where the PlasmoID.db file has been downloaded to. (Eg: If it is downloaded to the Desktop, type the command: “chdir Desktop “ at the prompt “>”).
- Using the following command at the command prompt  
mysql -u username -p --database databasename <PlasmoID.db  
Enter the password for the user at the password prompt

5. Run Cytoscape from the Start->Program Files->Cytoscape-v2.5.0 menu or using the executable from it's home directory
6. Select the database configuration panel of the PlasmoID plugin from the menu: "Plugins -> PlasmoID Plugin -> PlasmoID Configuration" and enter the properties for database connection.

Eg:

URL: jdbc:mysql://localhost/PlasmoID\_database\_name

Username: DB\_username

Password: DB\_password

Driver: com.mysql.jdbc.Driver

7. Click on “Save” to save these properties to the PlasmoID.config file.

(Make sure there's a file named PlasmoID.config to enter the database configuration properties in Cytoscape's home directory, if the database isn't working right away.)