Enable Java to Use Visualization Tools
in Influenza Research Database (IRD) and Virus Pathogen Resource (ViPR)

IRD/ViPR Team
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Modern browsers use Java extensively. IRD and ViPR use Java-based applications for data visualization within the browser including: JalView multiple sequence alignment visualization, JMol 3D protein structure visualization, and Archaeopteryx phylogenetic tree visualization.

Unfortunately, due to the Java Runtime Environment 8v45 update, Java-based applications and applets are now disabled by default. If you receive a Java fail to show screen while using any of the visualization tools in IRD/ViPR as shown in the right image, you may need to re-enable them both in your operating system and browser. Instructions are as follows.

Please note that Internet Explorer 11 supports all IRD/ViPR visualization tools except the applet-based Protein Structure Viewer. We recommend using Firefox on PCs and Safari/Firefox on Macs.

To accomplish this, first re-enable Java in your operating system

Instructions for Mac:
1. From the Apple menu, click System Preferences;
2. Click Java to open the Java Control Panel;
3. Click the Security tab; make sure your "Enable Java content in the browser" is checked;
4. Select “High” for Security level;
5. Click "Edit Site List" button at the bottom;
6. Click "Add" to add http://www.viprbrc.org and http://www.fludb.org to the Exception Site List;
7. Click "OK" to confirm and "OK" to exit the Java control panel.

Instructions for PC:
1. From the Windows Start menu, open the Control Panel;
2. Click Java to open the Java Control Panel;
3. Click the Security tab;
4. Select “High” for Security level;
5. Click "Edit Site List" button at the bottom;
6. Click "Add" to add http://www.viprbrc.org and http://www.fludb.org to the Exception Site List;
7. Click "OK" to confirm and "OK" to exit the Java control panel.
You must also allow Java / pop-up behavior on a site-by-site basis, in your browser:

Instructions for Safari v7 on Mac OS X:
1. Open the Browser Preferences under the File drop-down menu;
2. Click the Security tab;
3. Make sure "Allow Plug-ins" is checked;
4. Click "Manage Website Settings";
5. Select Java in the left hand window – The websites that have requested to run Java plug-ins should be listed in the window;
6. For each of the drop-down lists next to viprbrc.org and/or fludb.org, select the "Allow Always" and click the "Done" button at the bottom of the window;
7. Close the browser "Preferences" window;
8. Quit your browser and re-launch it.

Instructions for Firefox (on Mac and PC):
1. Bring up a structure that you wish to view, for example, http://tinyurl.com/k6ddh9u
2. If the JMol screen shows the message as shown in the right screenshot, you may need to activate the applet to enable structure viewing;
3. Click the "Activate Java Applet";
4. Click the "Allow and Remember" Dialog box;
5. You should now be able to view the structure.