ChromViz 1.0

a java tool to visualize high throughput (gene expression) data on Chromosomes

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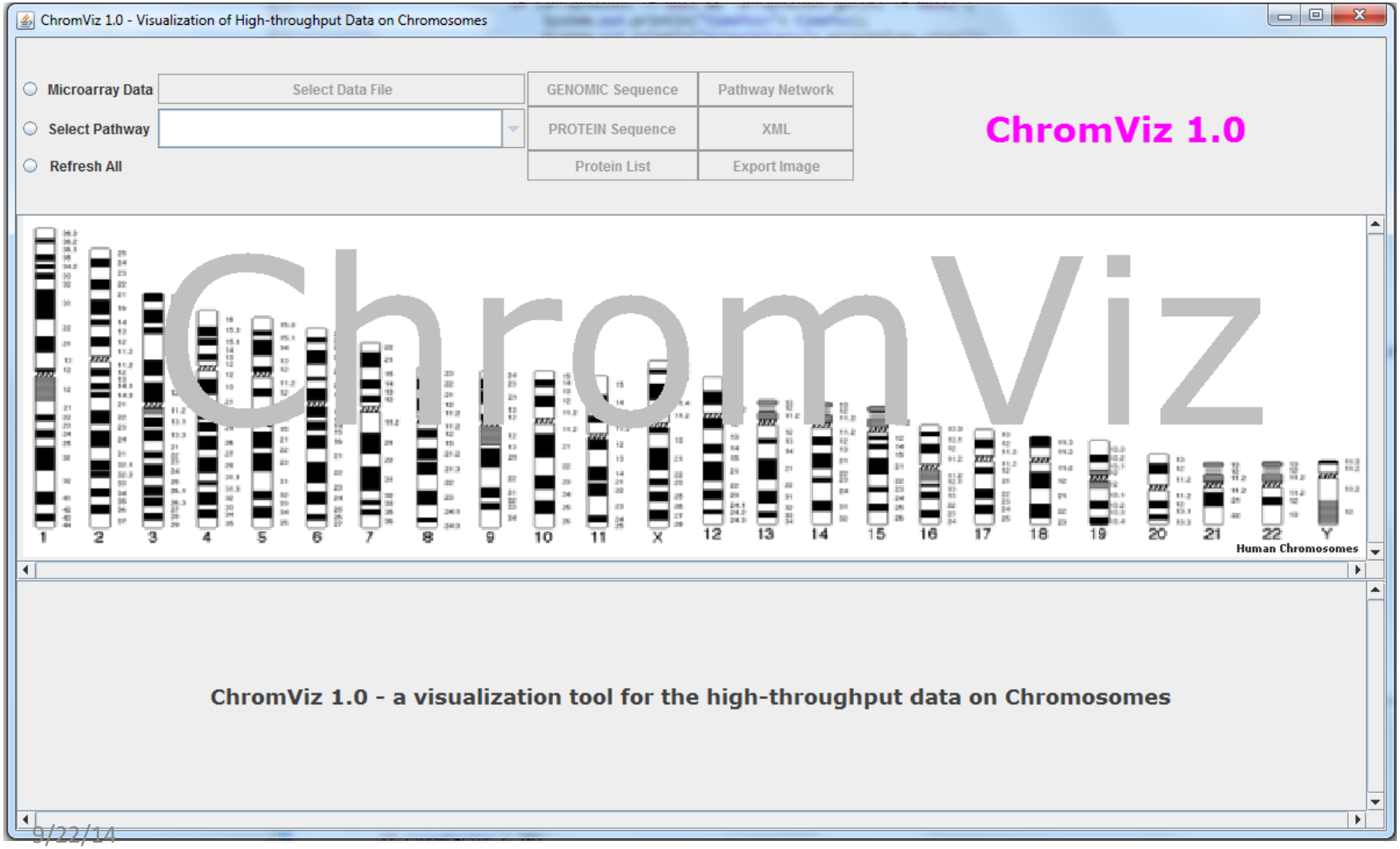
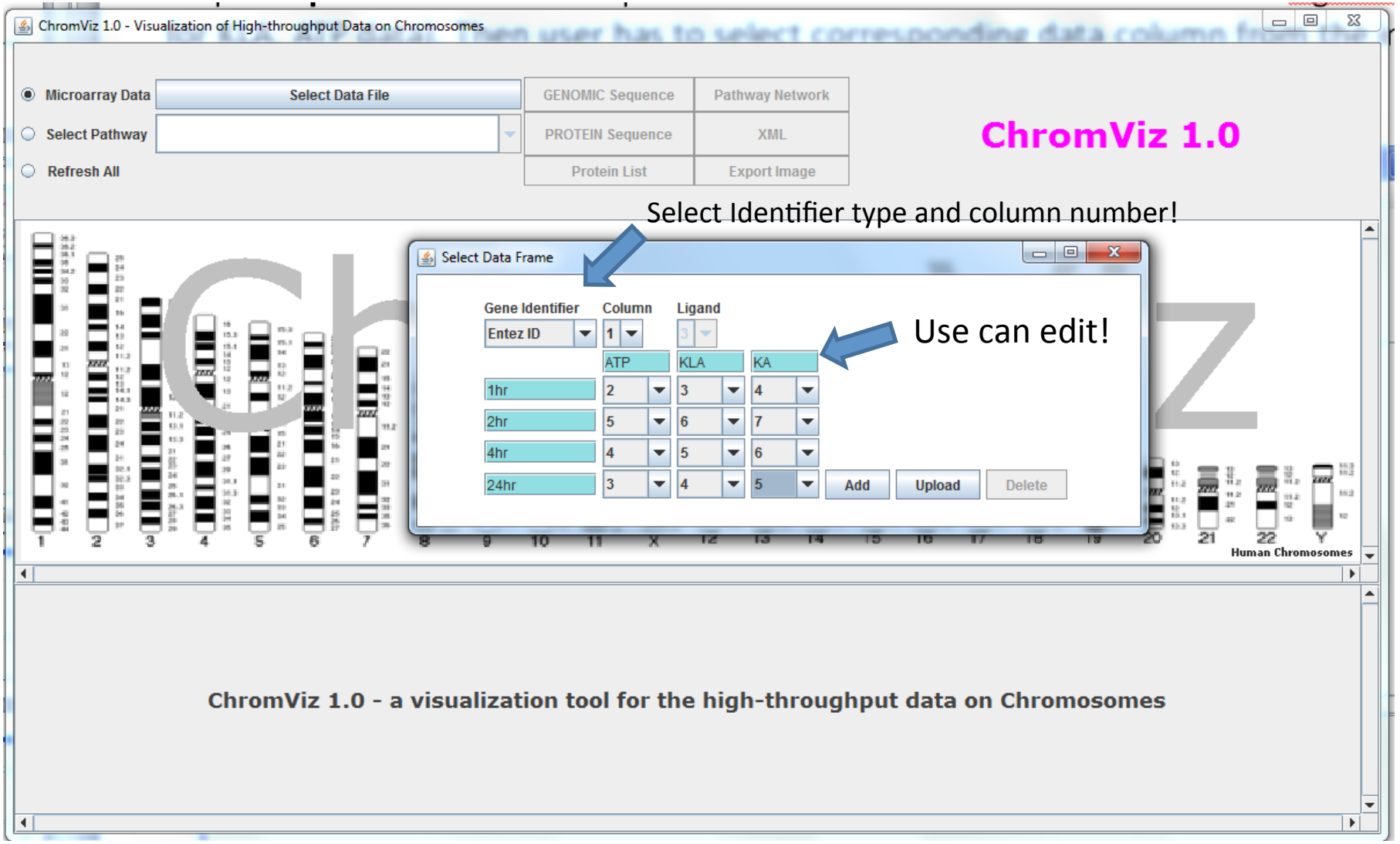
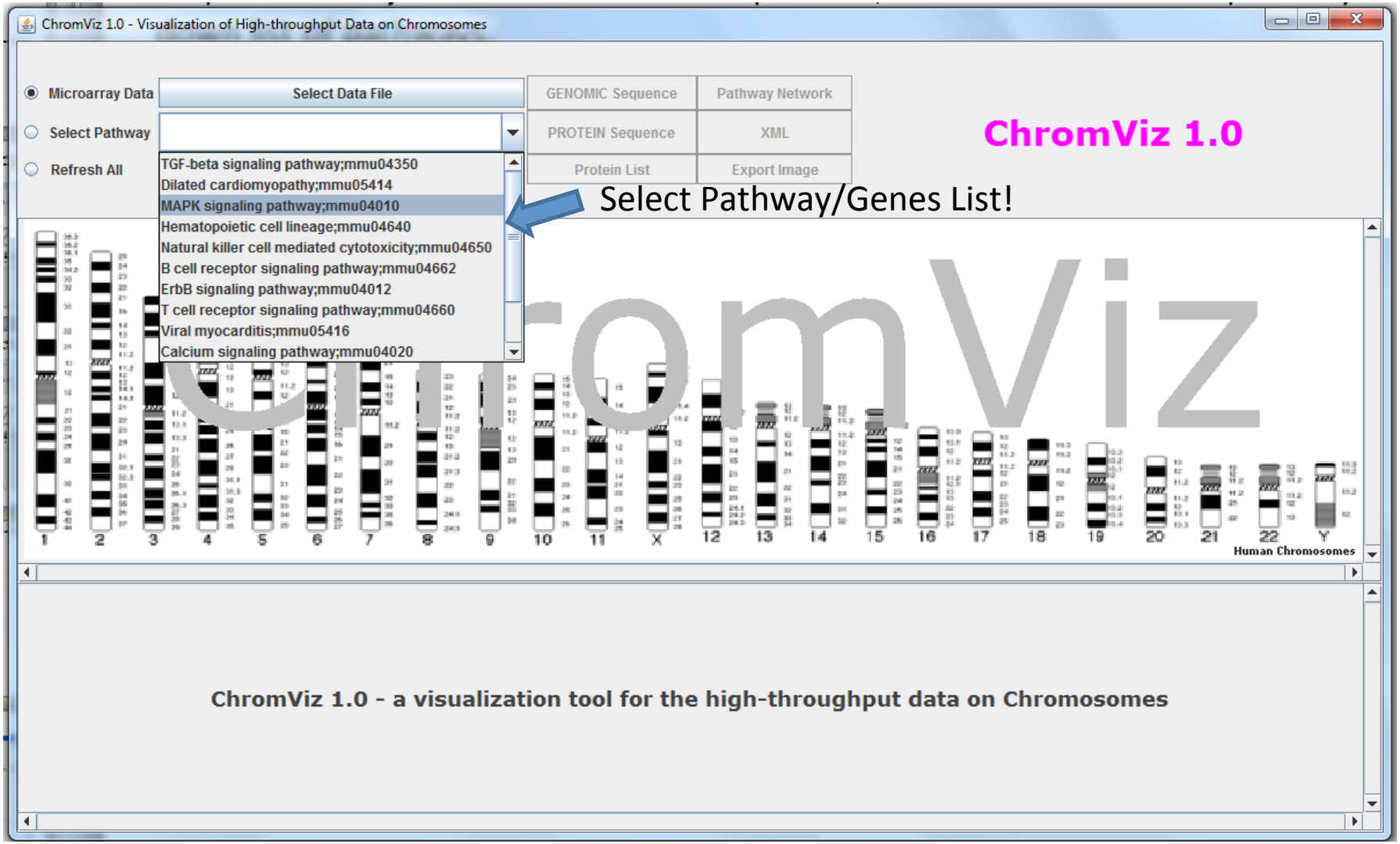
Step 1. The user can upload his/her own data and visualize after pathway selection OR the user can select pathway and can visualize pathway genes on chromosomes along with UCSC genome browser data such as gene co-ordinates etc..



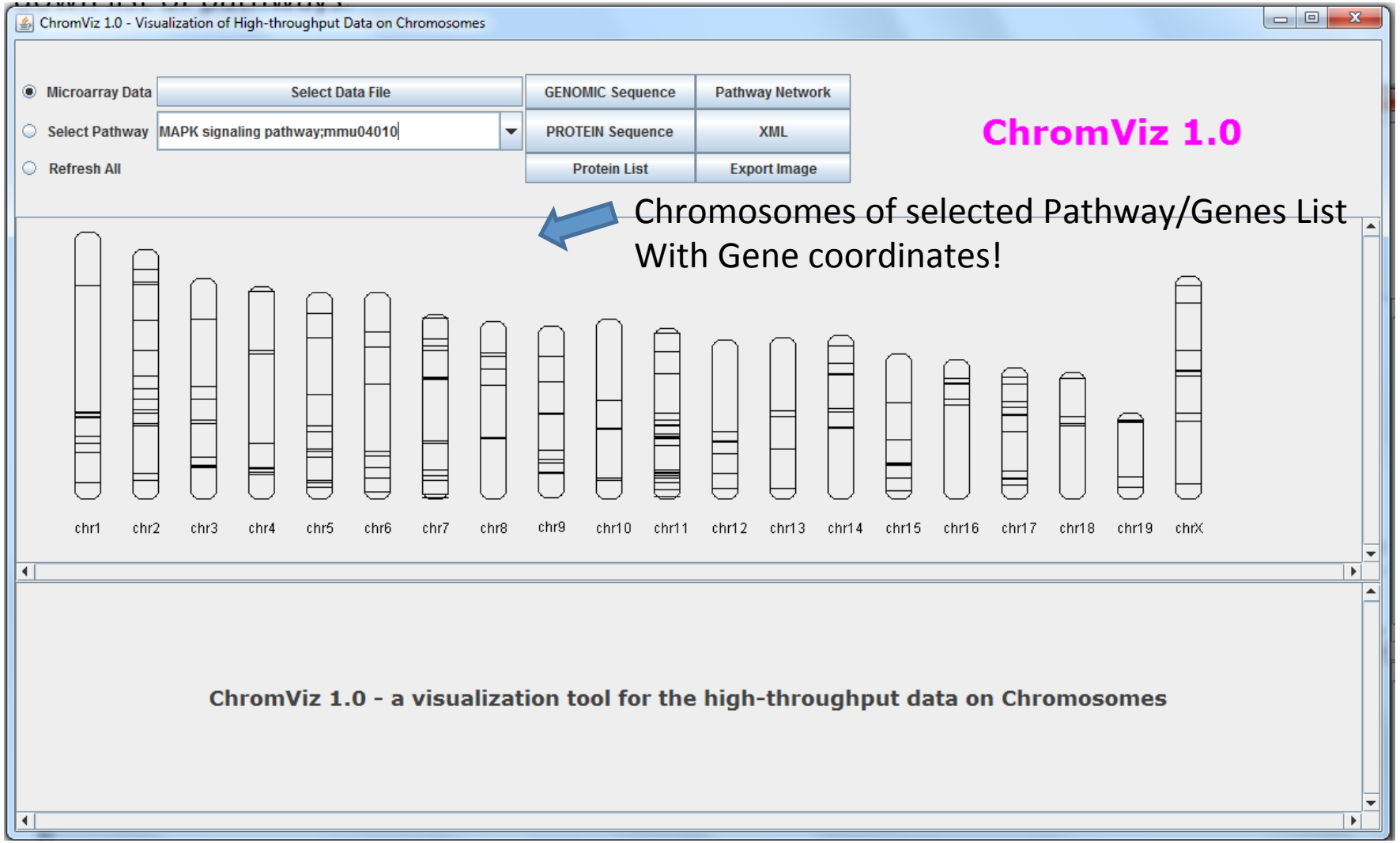
Step 2. **Input file Selection**: Expression data selection window. Number of Ligands (Ex: 2 for KLA, ATP data). Then user has to select corresponding data column from the input file.



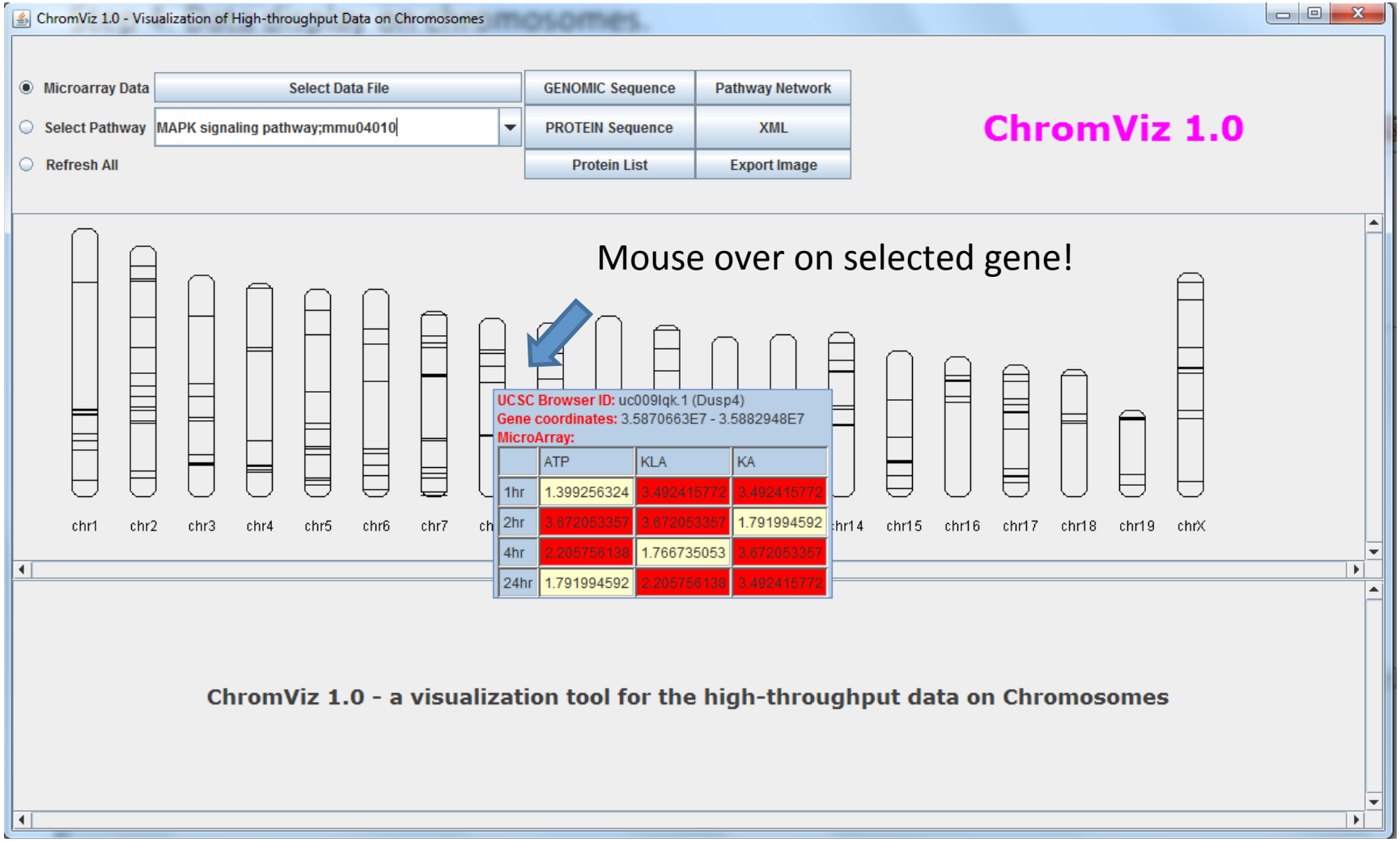
Step 3. **Pathway Selection**: Once data uploaded, the user has to select pathway from drop-down list of pathways.



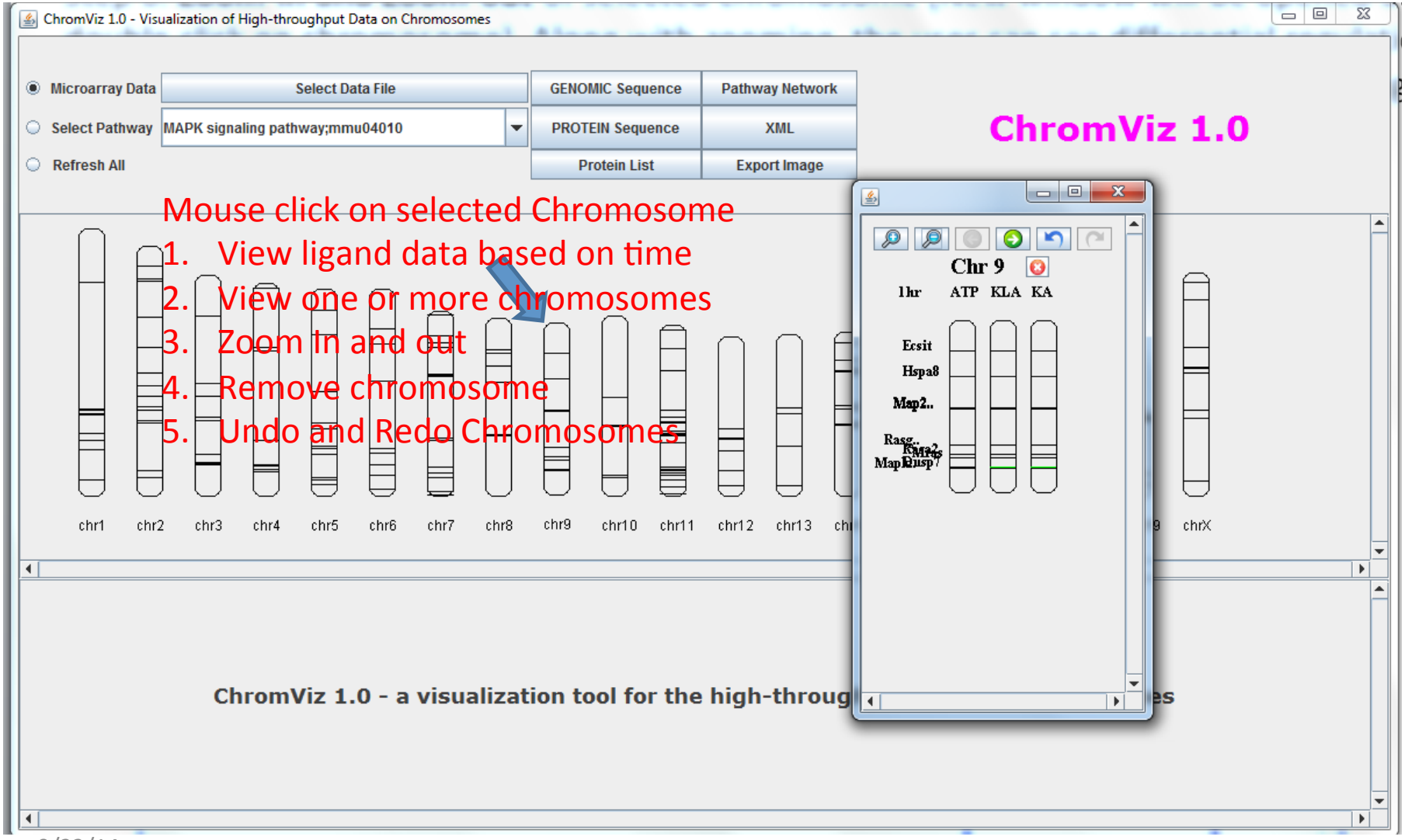
Step 4. Data display on chromosomes.



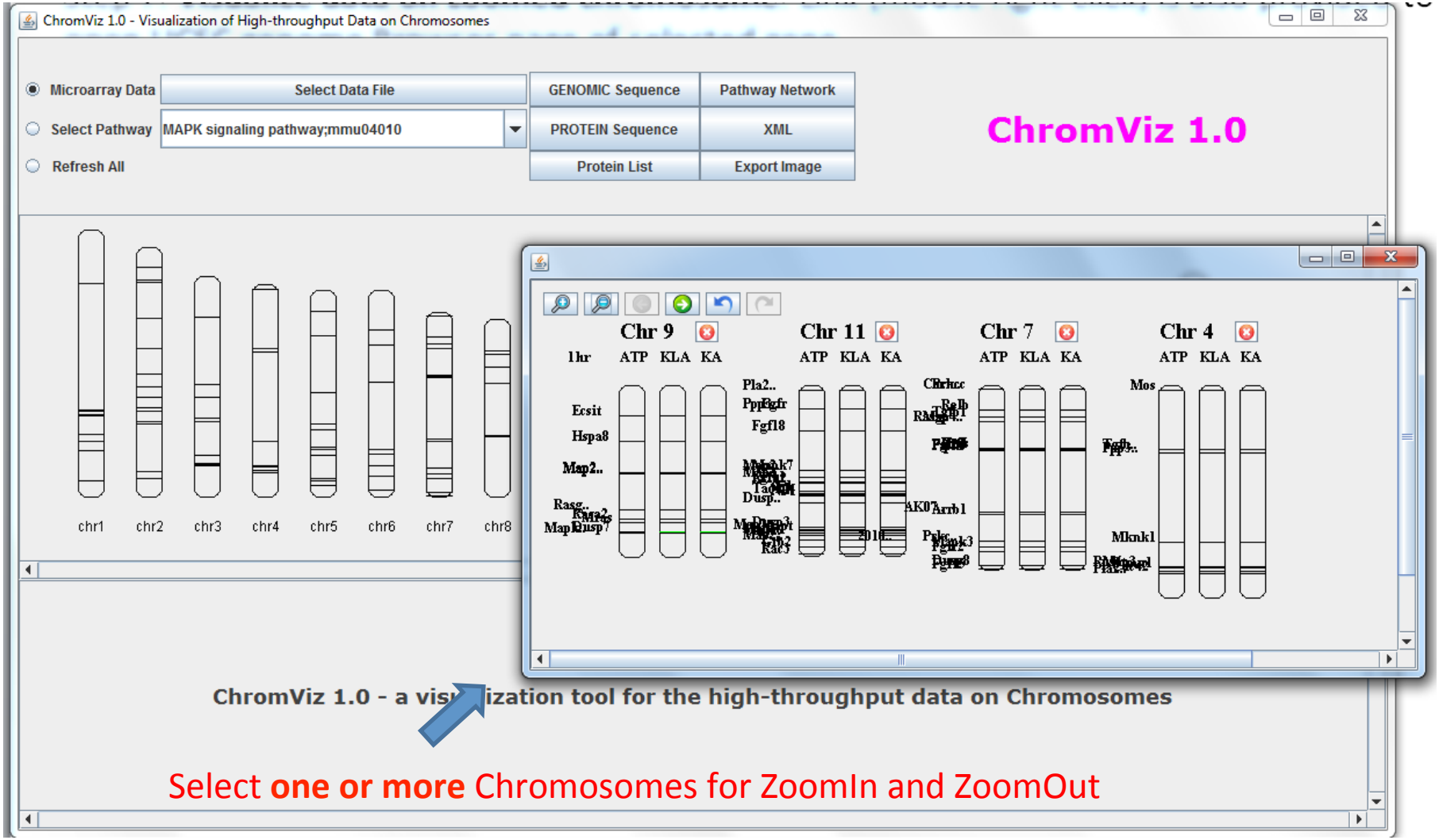
Step 5. **Heat Map** of selected gene on Chromosome. Mouse over on gene mark (red) on chromosome.



Step 6. **Zoom-in and Zoom-out** of selected chromosome (New window will be opened after double click on chromosome). Along with zooming, the user can see differential regulation of genes (more than one treatment also) on chromosomes at each time point by clicking right OR left buttons.



Step 7. **Visualize data on zoomed chromosome**. Link (mouse right click) is also provided to open UCSC genome Browser page of selected gene.



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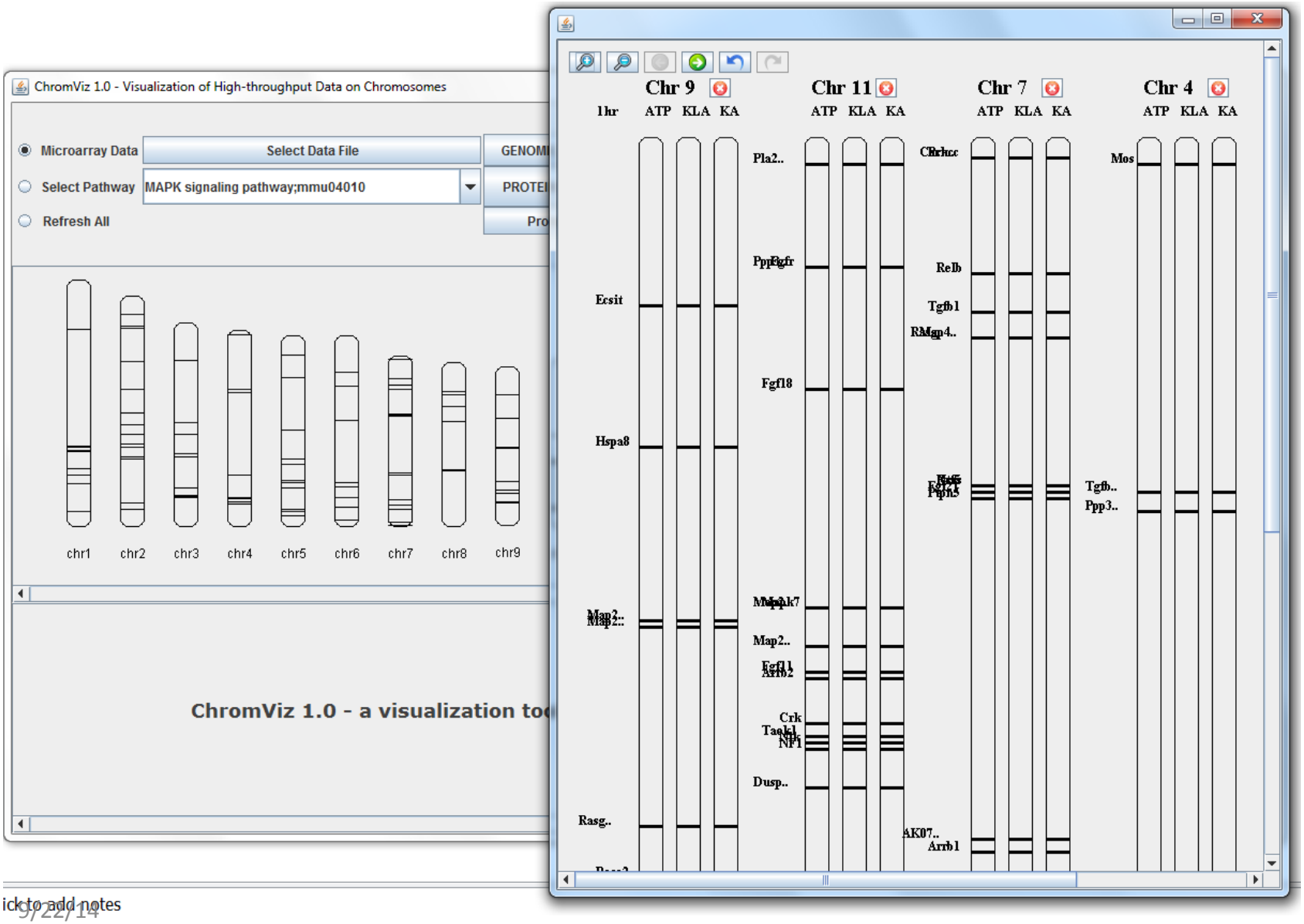

ick to add notes

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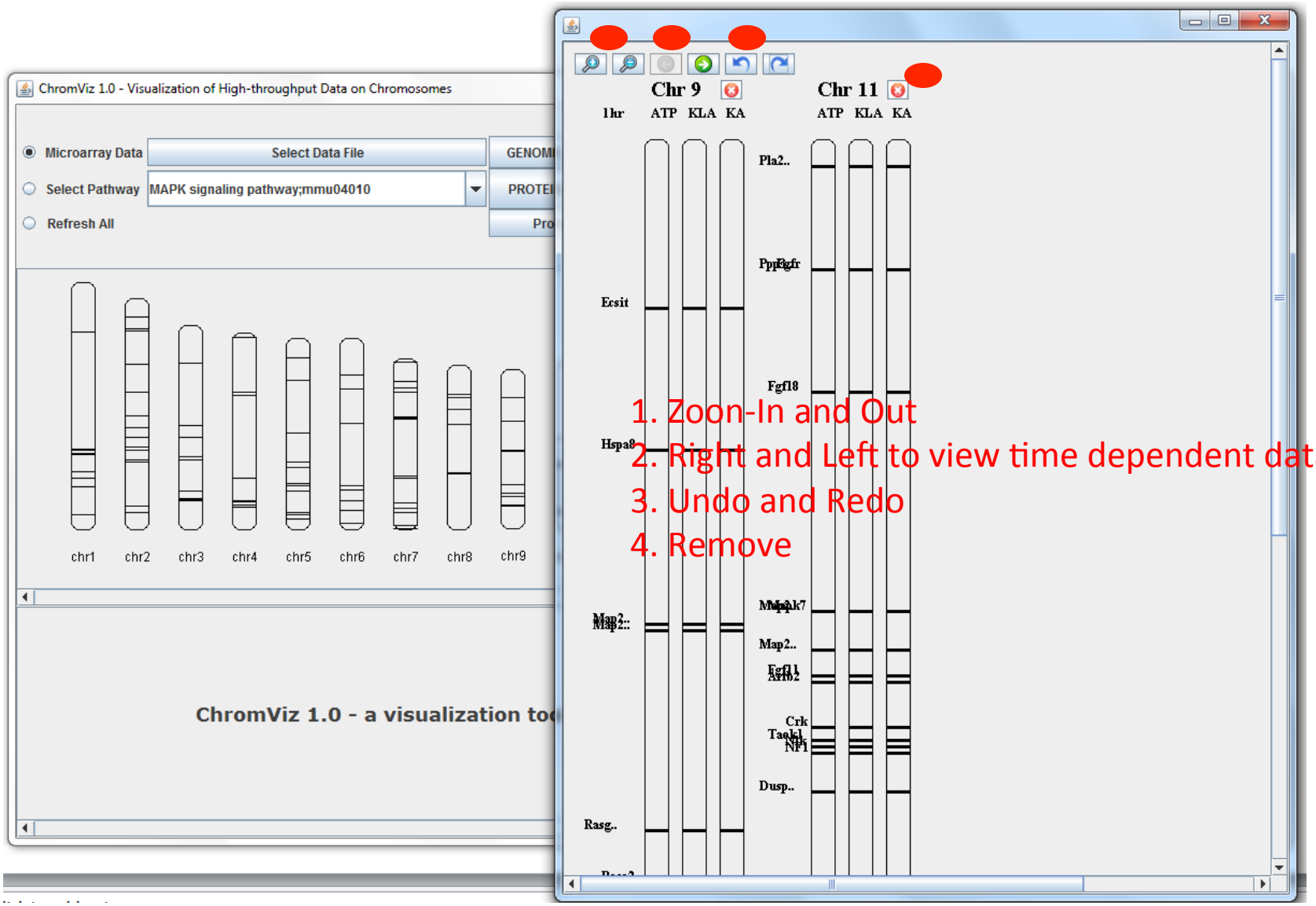
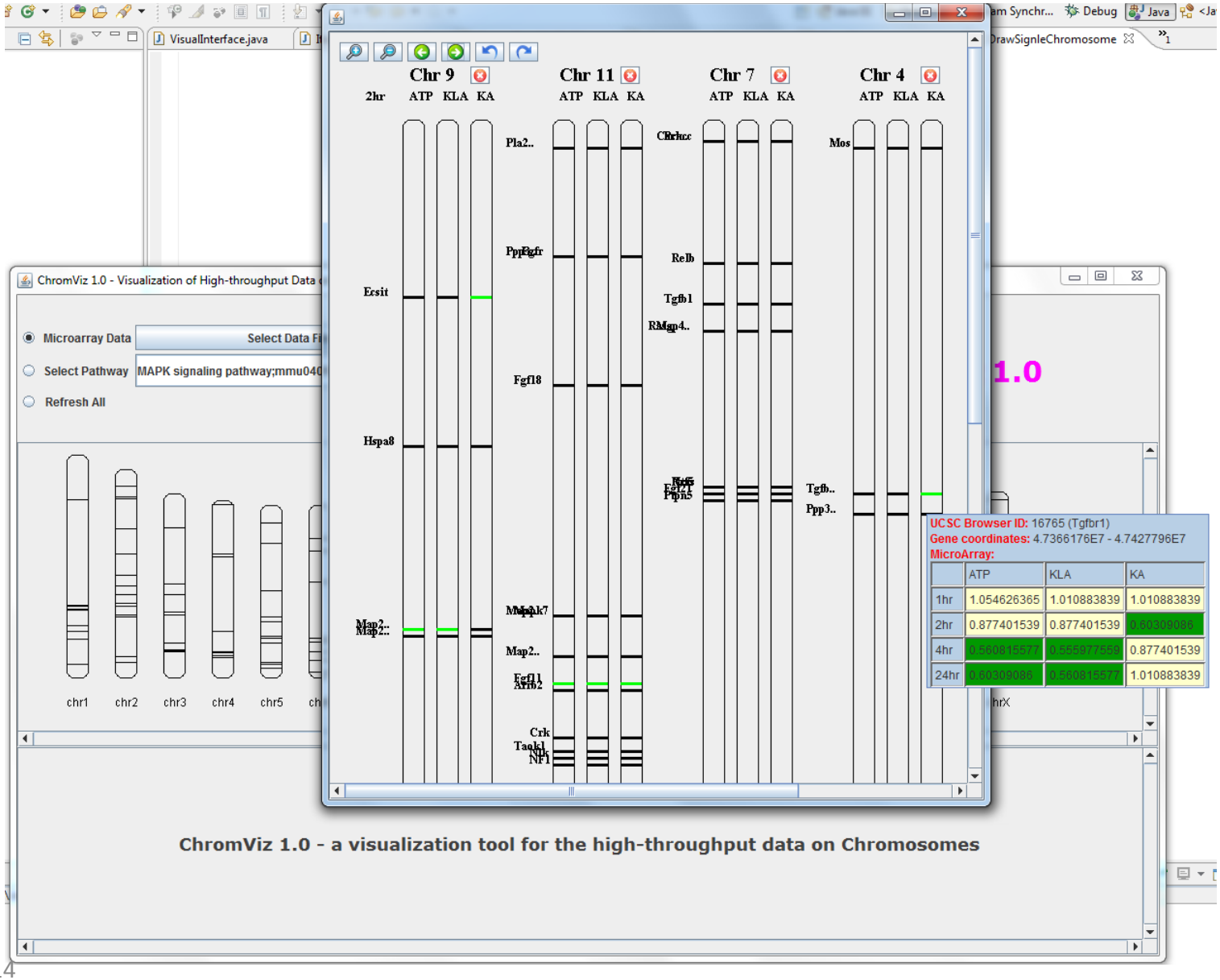
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