

## GRAPH & EXPORT CONTROLS

Once all the parameters of your experimental design are entered and you click the *Run Simulation* button. EVOLVE will display a graph of the results. You may inspect the graph, change its axes to visualize different aspects of the results, and may export graphs and numeric data for editing, printing and further analysis.

After a run, you may change any of the input screen controls and run a similar or different experiment. The original graph window will remain and can be compared with the new graph that pops up.

### GRAPHS

By default, the graph comes up with time (generations) on the horizontal axis and allele frequencies on the vertical axis. You can change the axes to a variety of other frequencies, numbers and statistics. Click and unclick appropriate axis choices and then the *Apply* button.

If you wish to zoom in on a particular region of the graph, you can either:

- Click and drag the cursor (upper-left to lower-right) around the area of interest to zoom in. If zoomed in, click and drag (lower-right to upper-left) to zoom out.
- Enter new coordinates in the *Y-Min*, *Y-Max*, *X-Min* and *X-Max* fields, then click the *Apply* button.

### EXPORTING GRAPHS AND DATA

You may export graphs and numeric data using the *Export Graph* and *Export Data* buttons. Graphs export to PNG (Portable-Network-Graphics) image files. Data export to CSV (Comma-Separated-Values) files that may be opened in a spreadsheet or statistical package for more detailed analysis or sophisticated graphic displays.

By default the *Title* field will be entered as the filename and you can choose where in your file system to write the file. Depending on your platform, you may or may not be able to use some characters in file names.

### KNOWN PROBLEMS

No legend.

No way to choose line type or color.

If you run an experiment and leave the graph open, modify inputs to get a different graph, then apply changes to the 1<sup>st</sup> graph, it will show data from the 2<sup>nd</sup> experiment.

If the vertical axis is changed to a small range (e.g., 0–0.1), no values are displayed.