

## Using the Excel Template for QV Analysis of the SOLiD Filter Run

In order to be able to visualize the QV scores for the reads being analyzed by the SOLiD Filter using the Excel templates provided, option –a must have been turned on during the analysis. This will output a \*\_QV\_analysis.txt file when the filter finishes running. This file will exist for both mate-pair and fragments runs. The graphs will be auto generated if the data is pasted in the proper worksheet. If they are not, there is a potential for the links to break and the template will not work at all. The Y axis is set to auto size for maximum viewing. Once the data is pasted into the proper worksheet, you may want to adjust the Y axis so it is consistent along all the graphs to facilitate comparisons. All the templates are found on <http://hts.rutgers.edu/filter>

1. Download the appropriate Excel template for your data.
2. Download the \*\_QV\_analysis.txt file generated from the filter run.
3. Open the desired Excel template. Go to the final worksheet. The final worksheet is where all the data is pasted. All the other worksheets are linked to this one to generate the graphs and tables.
4. Once Excel is open, File → Open → \*\_QV\_analysis.txt. You will need to change files type you are searching for to all types (\*.\*) in order to see this file in the dialog box.
  - a. A new dialog box should open for importing text. In the first screen, select the delimited text option.
  - b. Then hit next.
  - c. In the next screen, check the box next to the “space” option. This will put every number and word into its own cell.
  - d. Then select Finish. The \*\_QV\_analysis.txt file should now be open in its own workbook.
5. Now to copy it into the appropriate worksheet with in the template.
  - a. Select all the cells in the \*\_QV\_analysis.txt worksheet you just opened.
  - b. Copy the Selected cells
  - c. Go to the final worksheet in the Excel template.
  - d. Go to cell A1, and select Edit → Paste Special → Select the Values option → Hit OK. This will paste the values just copied into the appropriate locations. You can also access the Paste Special option by right clicking the mouse.

The graphs and tables should now contain your data. Make any modifications desired.