Things to Explore in Phamerator

* Explore the relationship between Sheen and other cluster A phages. Consider drawing a map of Sheen along with phages of other A subclusters.
* Export the pham table and cluster table. (hint: Exports will take a few minutes to complete. Please be patient.)
* Import the files into a spreadsheet program. You can use LibreOffice Calc in the virtual machine. (hint: the files are tab-delimited)
* Create a PDF file of the genome map that displays the DNA primase genes (pham 1759) in subcluster A7 phages right aligned with each other
* The protein domain “COG1403” is found in phages of which subcluster(s)?
* Find a phage whose genes are all in the same transcriptional orientation.
* Add the database called Mycobacteriophage\_285.
* Draw and save a phamily circle of your choice.
* Change your database back to Mycobacteriophage\_Draft.
* Export all the proteins in subcluster A7 to a fasta file.
* In pham 459, Sheen gp11 is most closely related to which protein?