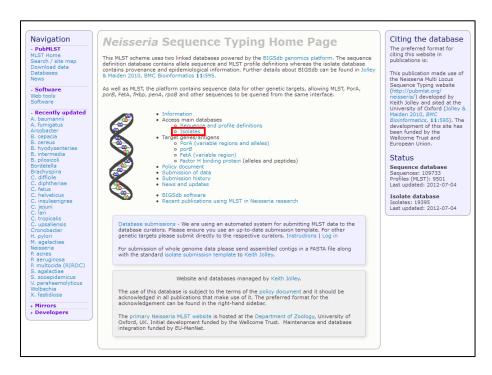
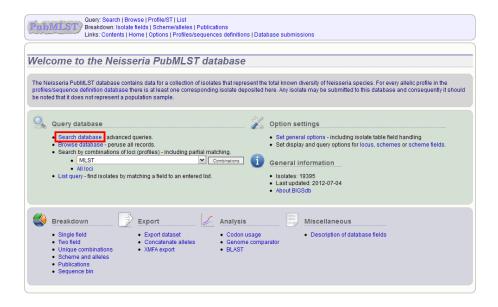
## Neighbor-Net analysis using BIGSdb as implemented on PubMLST.org

The whole genome Neighbor-Net analysis described in this paper can be replicated with the following steps:

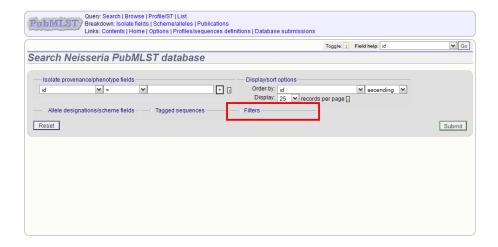
- 1. Navigate to the Neisseria database on PubMLST.org (http://pubmlst.org/neisseria/).
- 2. Select the isolate database:



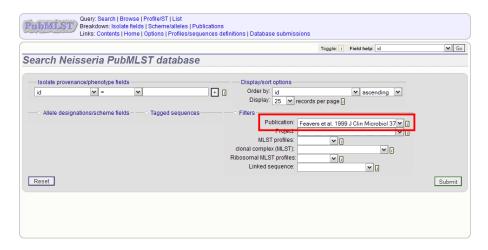
3. Click 'Search database':



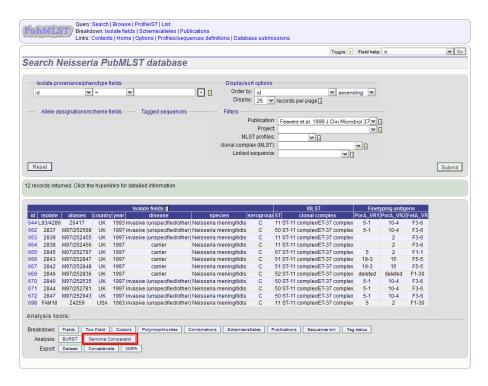
4. Click the filters list:



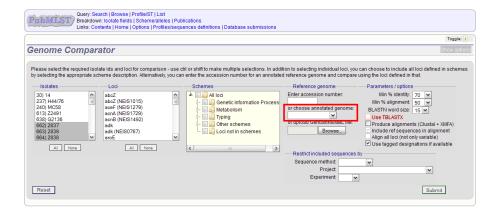
5. Select the Feavers et al. 1999 paper from the publication filter list and click 'Submit':



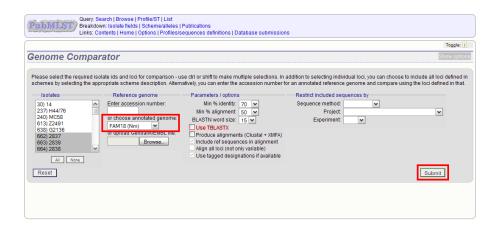
6. The records for isolates from the outbreak will be displayed. Click the 'Genome Comparator' button at the bottom of the table:



7. The isolates will be pre-selected. Select 'FAM18' from the 'annotated genome' drop down list box:



8. The locus and scheme lists will be hidden when a genome is selected. Press 'Submit'.



9. The analysis job will be submitted to the server job queue. Click the job hyperlink to display the job viewer page. This will auto-refresh until the analysis is completed:



10. A Neighbor-Net will be generated and displayed at the bottom of the page. Various output files are hyperlinked including the distance matrix used to generate the network. This can be loaded in to stand-alone Splitstree for further manipulation.

