



The Centre for Applied Genomics DNA Sequencing Facility





Retrieving Results

- You will receive an email from TCAG_Sequencing when your data is ready to be downloaded.


Finding your Results


- Under “Results” on the left hand toolbar, click “Folders”.
- Under the “Folders” heading, click on the desired order.
- Under the “Label” heading, a list of all samples in that order will appear (*Note: the sample list may continue on to multiple pages*).

Viewing results


- Under the “Label” heading, click on the sample name. All data related to this sample can be retrieved from here.
- “Chromatogram Details” summarizes the run conditions of the sample.
- The “Quality Graph” shows the quality score (Q) versus the position of each base in the read. At Q=20, the probability of miscalling a base is 1%. Above Q20, the probability of miscalling a base is lower than 1%; below Q20, the probability of a miscall increases. The read length, trimmed length (after vector and poor sequence have been trimmed), and the number of bases with a Q value >20 are given below the graph.
- The nucleotide sequence can be viewed. Trimmed sequence is denoted by having a line struck through it.
- The icons in the top right corner of this page allow for actions to be undertaken.
 - The  icon permanently deletes a chromat.
 - The  icon allows you to download the sequence, quality scores, chromatogram file, Phd file, and Sequencher tar file.
 - The  icon displays the chromatogram trace file.
 - The  icon generates a pdf file containing all of the above information.

Viewing chromatograms

- You will need to run a program that can view chromatograms such as FinchTV, Chromas Lite, ABI Sequence Scanner, etc.
- To download the free FinchTV software:
 - Click the  FinchTV” icon in the top right corner of the homepage.

- Click “Download Now” and follow instructions. This will download a zip folder to your desktop.
- Open the zip folder and click the “Installer” icon. Follow the instructions to install the software on your personal computer.
- To view the chromatogram, click on the  FinchTV icon to the left of the sample name.
- Choose to either open or save the chromatogram file. You must have the FinchTV software downloaded to be able to open these files.

Downloading multiple files

- Choose samples to be downloaded by checking the empty box to the left of the sample name.
- Click on the  icon in the top right corner.

Sequence Text Files

- Under “Download Sequences”, choose “multi-sequence fasta file”. Choose “UNIX/PC or MAC” FASTA formatted file, as appropriate and click “Export Sequences”. Save the file to the desired location.
- To open the file, click on it and “Select the program from a list” option and choose an appropriate program such as Notepad.

Chromatograms

- Scroll down to “Download Chromatogram Tar File” heading, change the drop down menu from “chromatograms with base calls” to “all chromatograms” and click “Export Chromatograms”. Save file to desired location (default is the desktop).
- The .tar file will need to be extracted. There are several free programs (e.g. [7-Zip](#) or [JustZIPit](#)).