

Wellcome Genome Campus | OC3_1-18_Processing_data_on_Galaxy

Hi. In this video, we will be learning how to process data on the Galaxy. On the left side panel, we can see all the tools that is available on the Galaxy server. We will be going to learn NanoPlot tool for QC of Nanopore runs. Search for NanoPlot in the search tools option. Once it loads, click on NanoPlot. It comes into the middle panel where we have to select the sample. Click one of the sample and execute it.

The tool is executed. And the queue of the output that is expected is shown in the History panel. It turns orange. Once the process is completed, all the orange turns to green. Now, we can visualise each output. Click on the View button. This provides all the QC analysis of our sample, such as mean read length, median read length, median rate quality, read length N50 values, total bases, et cetera.

Along with this, we find plots where a number of reads and read length are provided. And different plots can be observed.

The result can be downloaded here into your system and can be visualised in your browser.