How to download the ENCODE data

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1 Introduction

This report shows how to down load the ENCODE data from (https://www.encodeproject.org/).

2 Data download

To correctly download the selected files. We need to use the function cart in ENCODE. We can first We can first go to experiment search and select the wanted data.

Note, to get the knockdown and knockout data, we need to select the option Hide control experiments == no. Because the default in ENCODE select only the no perturbed data, by default there is not KO or KD experiment exist in Assay title.

Then add them to cart and go to cart page.

Afterwards, we need to remove the show default data only and select the correct filtering standard for the wanted data. Note, the default data only contains the result from replicate 1. If we want to download both, we need to use the right filtering.

In the end, when we download the data, we need to use the download button and select for the right files. It always shows the default file automatically so we need to select the right files.

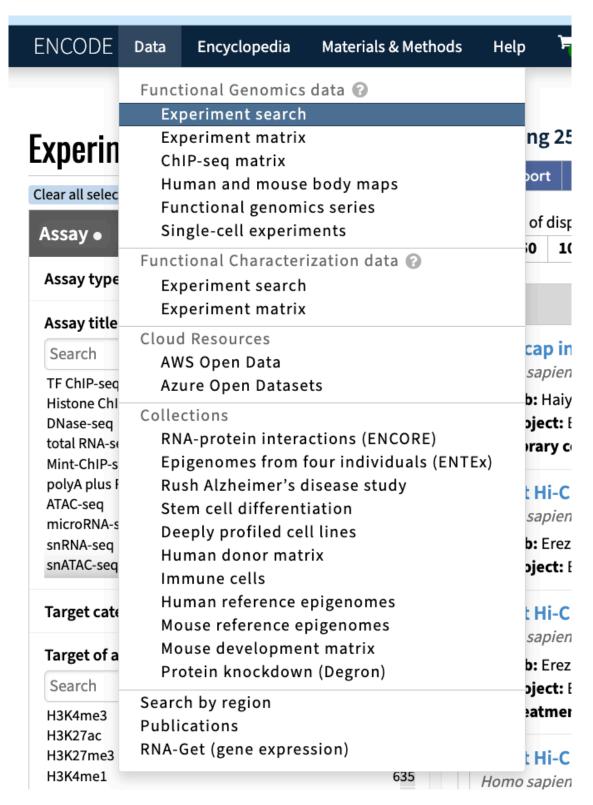


Figure 1: Experiment search

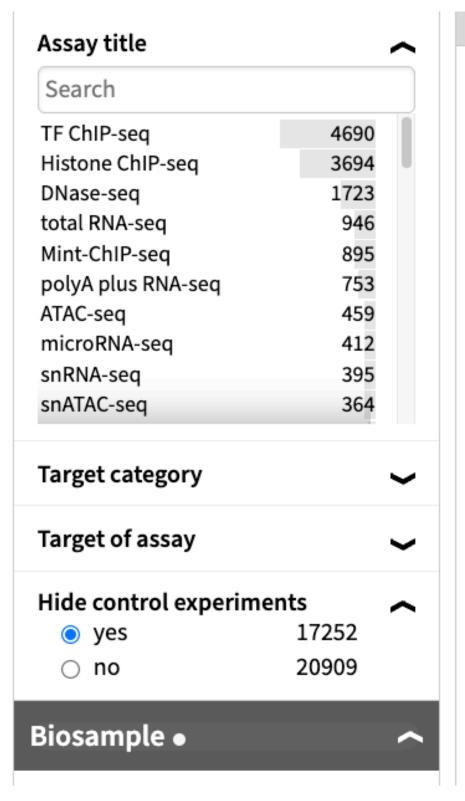


Figure 2: Select to not hide the control



Figure 3: Cart page

2.1 Getting metadata

To get the metadata, we can use the dataset report function and get a tsv table back. In this page, we can also decide which information we would like to include in the meta data by selecting them in the column option. By default, the control information is not included in this table. Therefore, do not forget to select the controls in the column options.

Default Cart

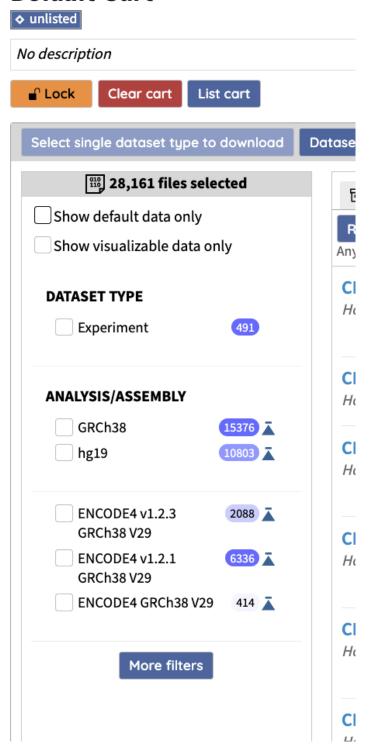


Figure 4: Filtering

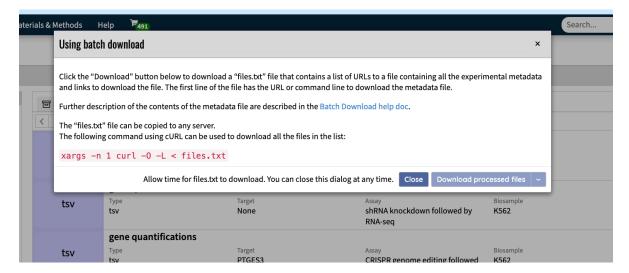


Figure 5: Select right files

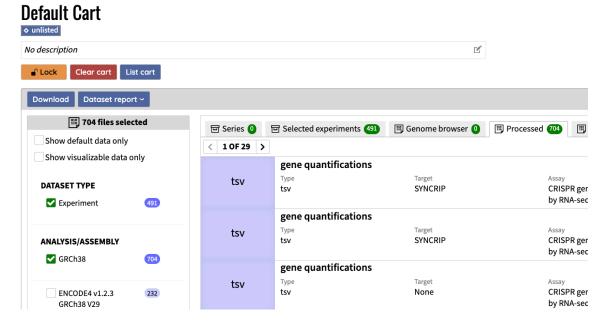


Figure 6: Dataset report

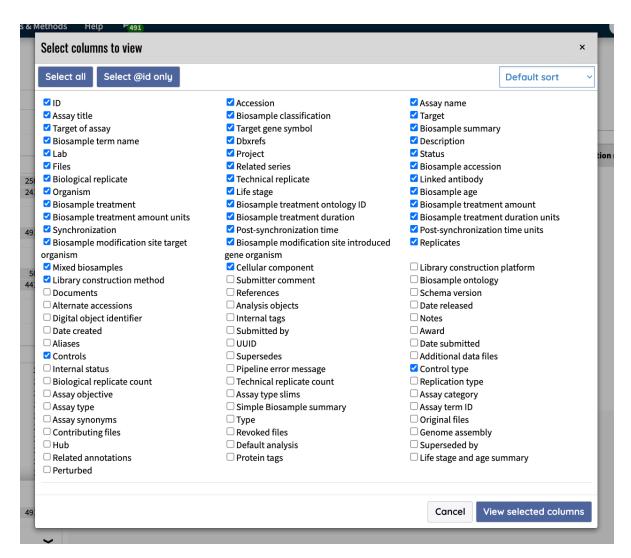


Figure 7: Download tsv

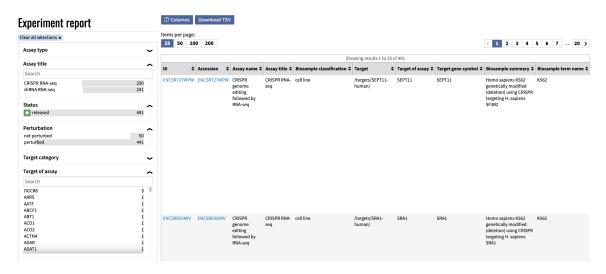


Figure 8: Controls