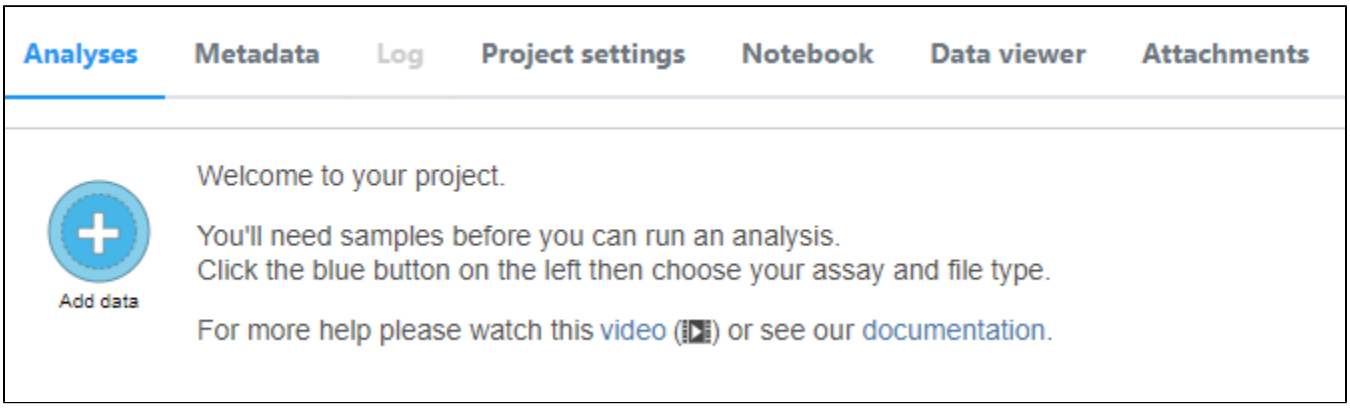
Import a GEO / ENA project

How to import a study from GEO / ENA

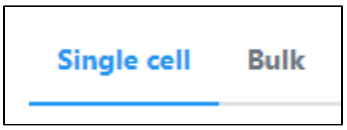
If a project is publicly available in the Gene Expression Omnibus (GEO) and European Nucleotide Archive (ENA) databases, you can import associated FASTQ files and sample attributes automatically into Partek Flow.

- On the Homepage click **New Project** to create a project and give the project a name

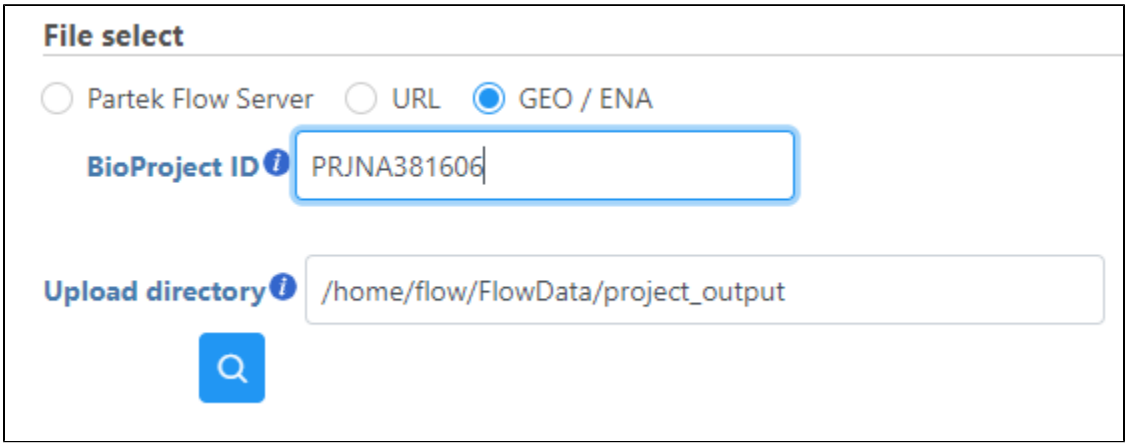
- Click **Add data**



- Select **fastq** as the file type after choosing between **Single cell** or **Bulk** as the assay types



- Click **Next**
- Choose GEO / ENA
- Enter the BioProject ID of the data set you would like to download. The format of a BioProject ID is PRJNA followed by one to six numbers (e.g. PRJNA381606)

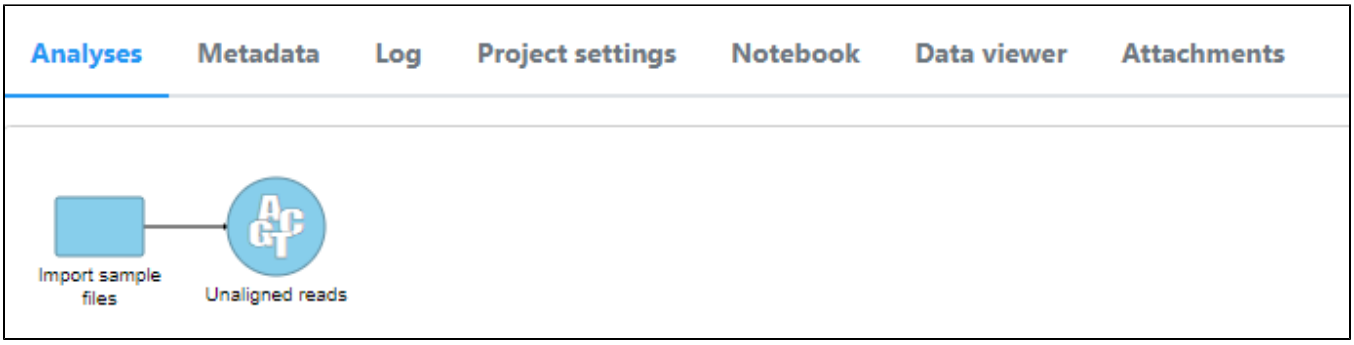


A GEO ID can also be used in the format GSE followed by one to five numbers (e.g. GSE71578).

- Click **Finish**

It may take a while for the download to complete depending on the size of the data. FASTQ files are downloaded from the ENA BioProject page.

- FASTQ files will be added as an Unaligned reads data node in the Analyses tab



Common Issues

Error Message - The project did not yield any data. Double-check the project ID, or try importing the data manually

If the study is not publicly available in both GEO and ENA, project import will not succeed.

The project was imported, but the Analyses tab is empty and there are no FASTQ files

If there is an ENA project, but the FASTQ files are not available through ENA, the project will be created, but data will not be imported.

Something is missing or the import failed

A variety of other issues and irregularities can cause imports to not succeed or partially succeed, including, but not limited to, a BioProject having multiple associated GSE IDs, incomplete information on the GEO or ENA page, and either the GEO or ENA project not being publicly available.

FAQ

What are GEO and ENA?

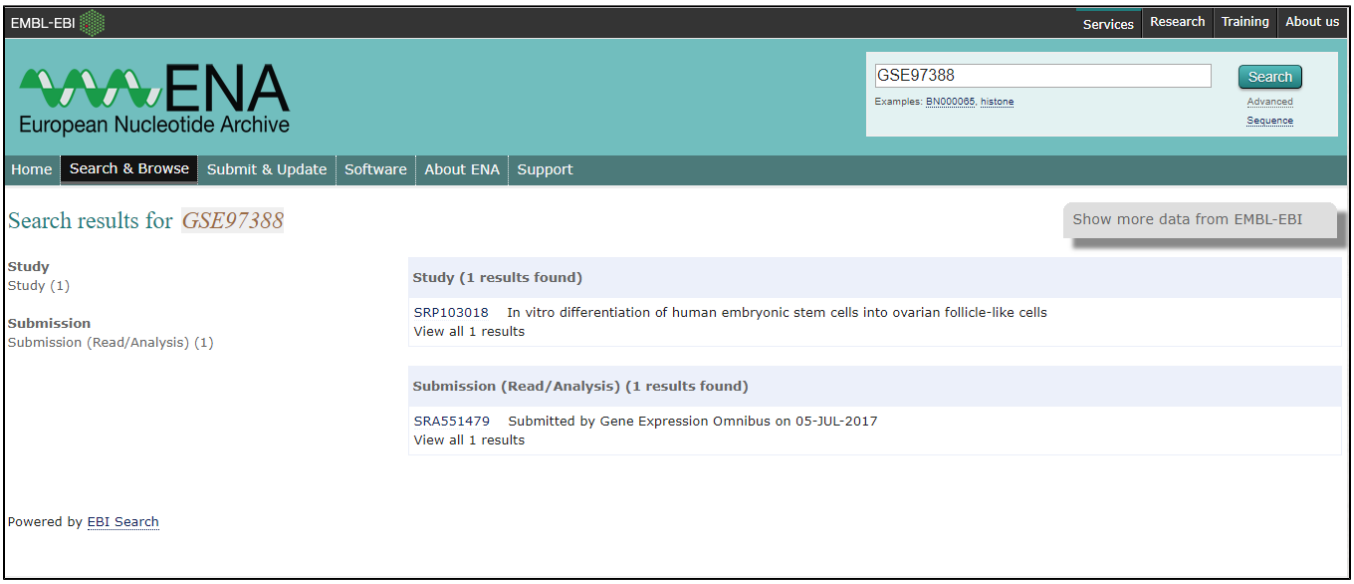
The Gene Expression Omnibus (GEO) and the European Nucleotide Archive (ENA) are web-accessible public repositories for genomic data and experiments. Access and learn more about their resources at their respective websites:

GEO - https://www.ncbi.nlm.nih.gov/geo/

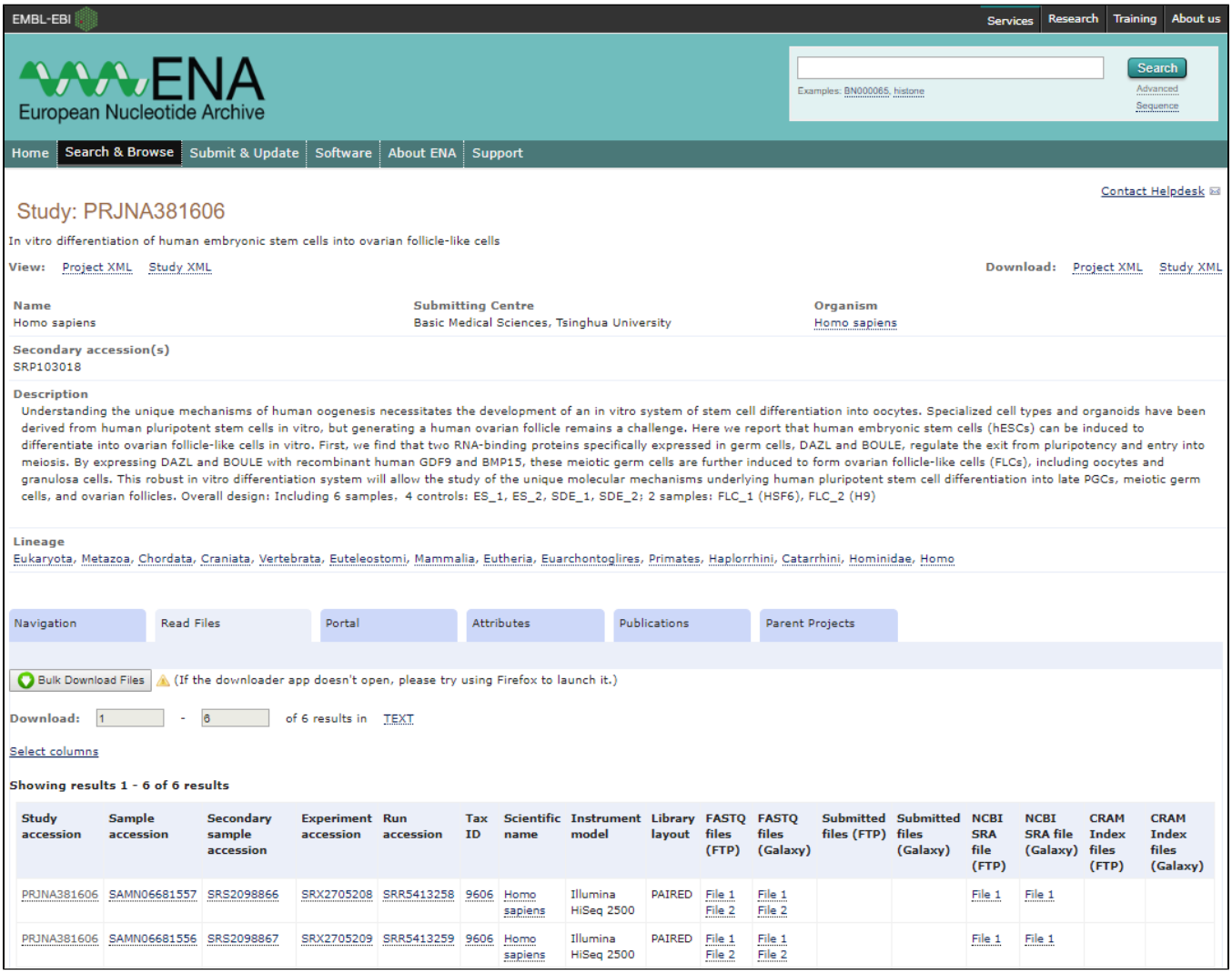
ENA - https://www.ebi.ac.uk/ena

How do I know if a GEO project is also in ENA?

- You can search ENA using the GEO ID (e.g., GSE71578) to check if there is a matching ENA project.



- Open the Study result to view the BioProject ID (e.g., PRJNA381606) and a table with information about the samples and files included in the project



Additional Assistance

If you need additional assistance, please visit our support page to submit a help ticket or find phone numbers for regional support.

Your Rating: Results: 1 rates