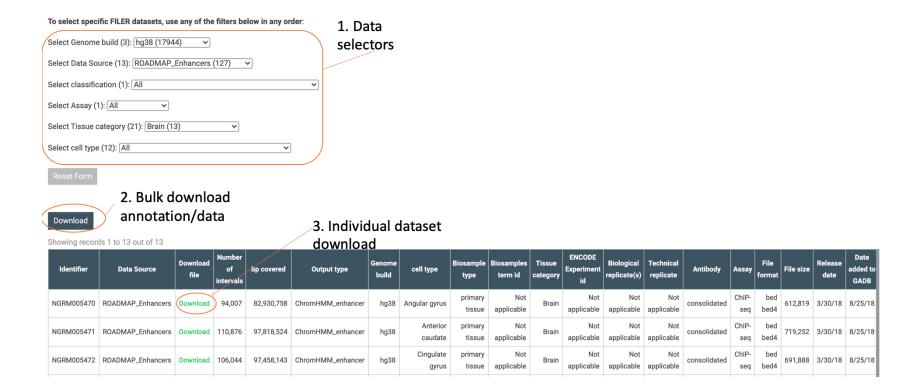
### **FILER** tutorial

- Webserver: <a href="https://lisanwanglab.org/FILER">https://lisanwanglab.org/FILER</a>. Three main functions:
  - Browse/download: identify and retrieve relevant FILER tracks for your downstream analyses
  - Search FILER tracks/genomic records using genomic coordinates
  - Analyze/annotate your own experimental data/loci:
    - Upload local file
    - Provide a data URL
- FILER stand-alone version, API (https://bitbucket.org/wanglab-upenn/FILER)

### FILER webserver: browse/download

A) quickly identify and retrieve relevant experiments and data in specific tissue contexts for downstream analyses

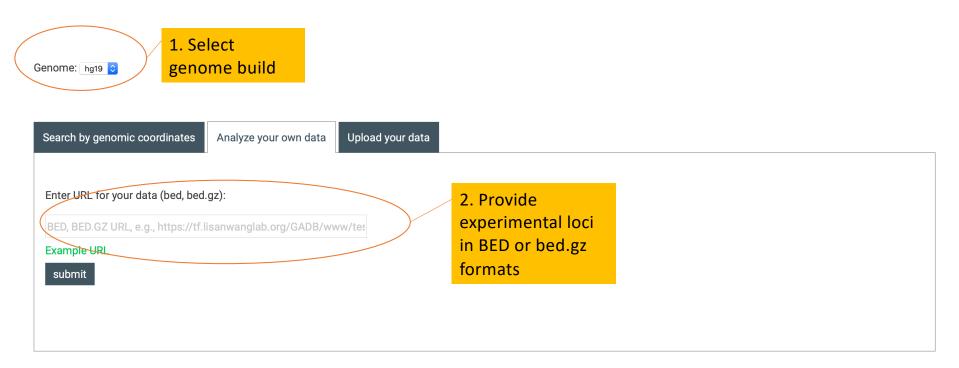
#### **Browse FILER**



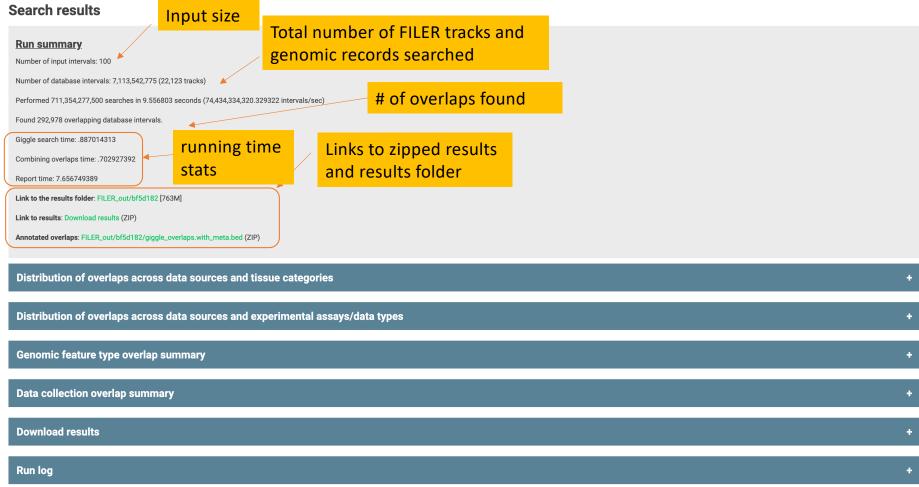
## FILER webserver: analyze/annotate your own data

**B)** quickly search and retrieve all genomic intervals within the genomic regions of interest

#### **Search FILER**

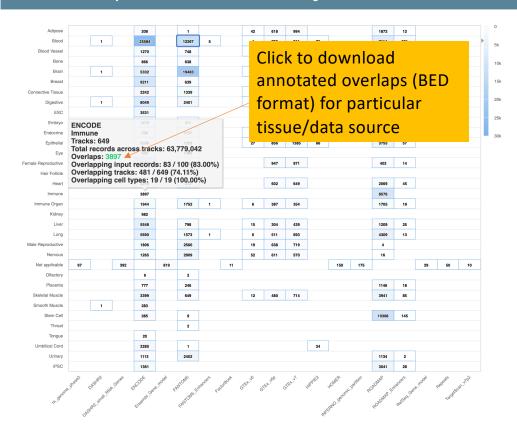


### FILER webserver: analysis results page



# Interactive browsing/download of overlap results

Distribution of overlaps across data sources and tissue categories



### FILER: stand-alone usage and API

- FILER code repository: <a href="https://bitbucket.org/wanglab-upenn/FILER">https://bitbucket.org/wanglab-upenn/FILER</a>
- Scripts for installing a stand-alone FILER instance (use FILER in your own cluster/cloud computing environment)
- Command line CLI scripts for accessing/querying FILER data: query, retrieve genomic data at scale
- Scripts for genomic data indexing and pre-processing (prepare data for adding to FILER)