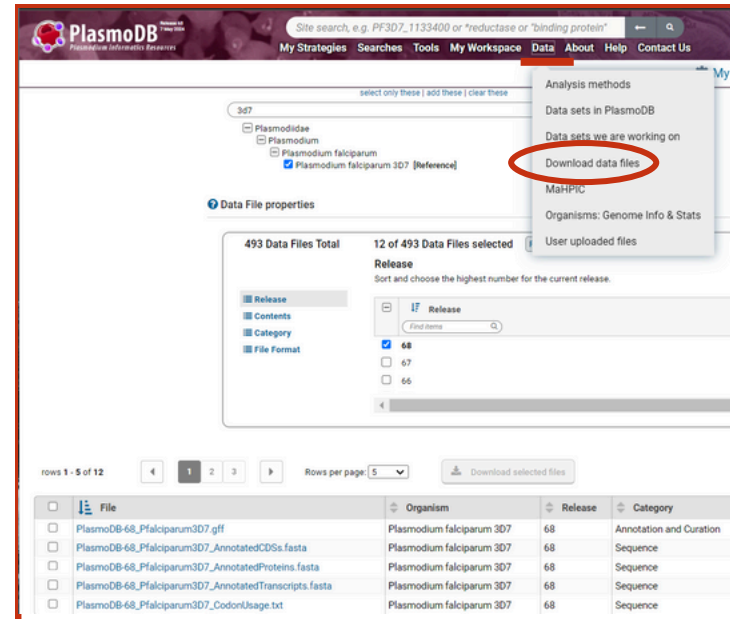




## DOWNLOAD GENOME DATA FILES

VEuPathDB genomes (assemblies and annotation) are easily downloaded. If your studies are based on a previous release, use >Data File Properties >Release to choose your desired version.

- **GFF** - gene structure in general feature format
- **CDSs.fasta** - multifasta
- **Proteins.fasta** - multifasta
- **Transcripts.fasta** - multifasta
- **CodonUsage.txt** - occurrence of each codon
- **Curated\_GO.gaf** - Gene ontology terms assigned by curators
- **GO.gaf** - Gene ontology terms assigned by electronic prediction or transferred by orthology
- **GeneAliases.txt** - previous IDs for current genes
- **Genome.fasta** - chromosomes contigs or scaffolds
- **NCBILinkout\_Nucleotide.xml**
- **NCBILinkout\_Protein.xml**
- **Orf50.gff**



## DOWNLOAD DATA FOR MULTIPLE GENES

Data such as expression values, gene metrics, domains, etc. are available for bulk download as custom or preconfigured tables for any list of genes, including a whole genome. This download tool works similarly for lists of other records such as SNPs or metabolic pathways.

### 1. Retrieve your list of genes as a search result

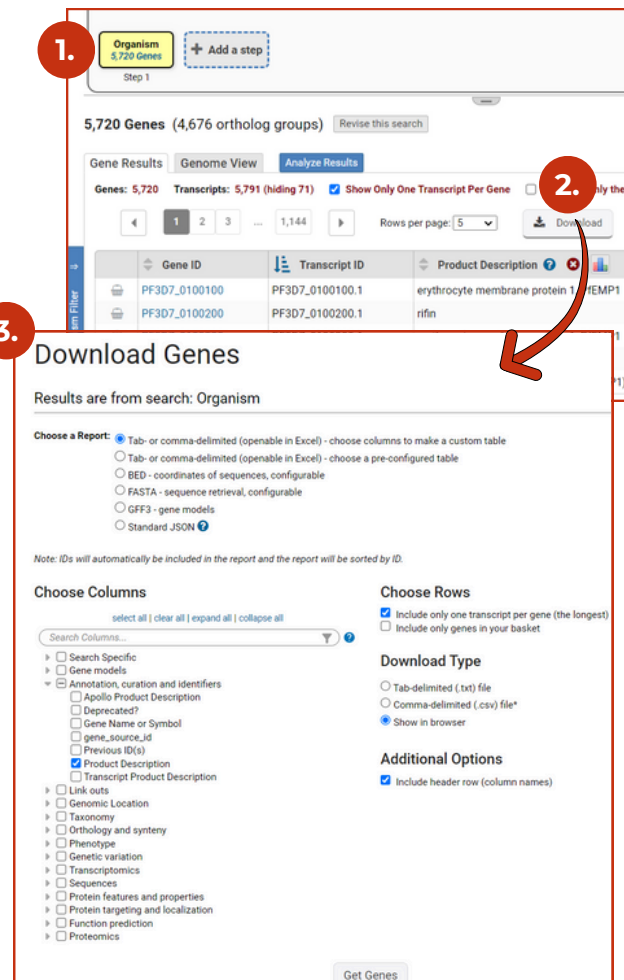
- For all genes in a genome use  
>Genes >Taxonomy >Organism

- To enter a list of your favorite genes use  
>Genes >Annotation >List of IDs

### 2. Open the Download tool from the search result.

### 3. Configure the Download tool

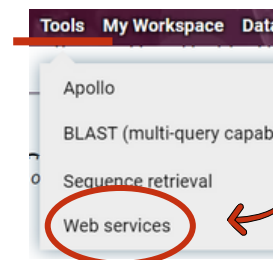
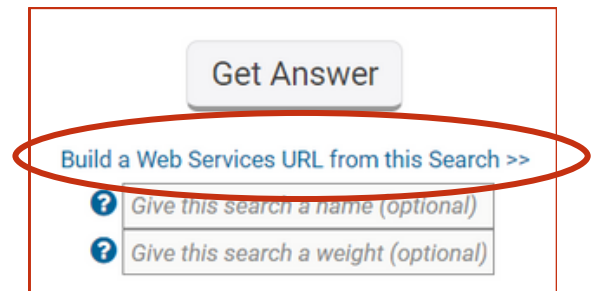
- custom table - one row per gene, choose from all data columns
- pre-configured tables - single data type data table that can contain multiple rows per gene
- BED - coordinates of sequences, configurable
- FASTA - sequence retrieval, configurable
- GFF3 - gene models
- Standard JSON - compatible with web services.





## DOWNLOAD DATA VIA WEB SERVICES

Data download using Web Services is a programmatic alternative to the **DOWNLOAD DATA FOR MULTIPLE GENES** process described above. Web Services creates a URL that performs a search and retrieves the data to your browser or to a file. Each search contains a link to a wizard that helps create the URL. URLs can be used in scripts to programmatically access VEuPathDB data.

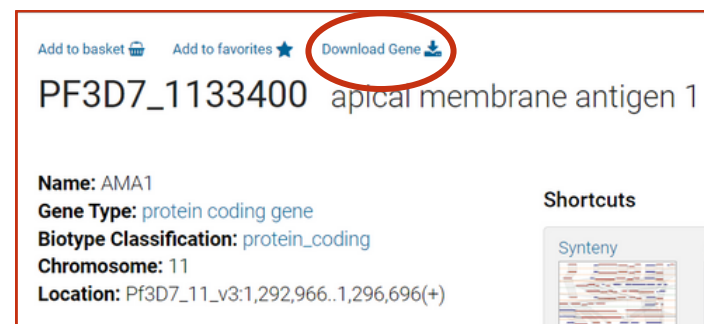


Find web services  
help info here.

## DOWNLOAD A SINGLE GENE

The download link at the top of gene record pages implements the download tool where text, bed, fasta and GFF3 files can be retrieved. Similar download options are available from other record pages such as SNP and metabolic pathway records.

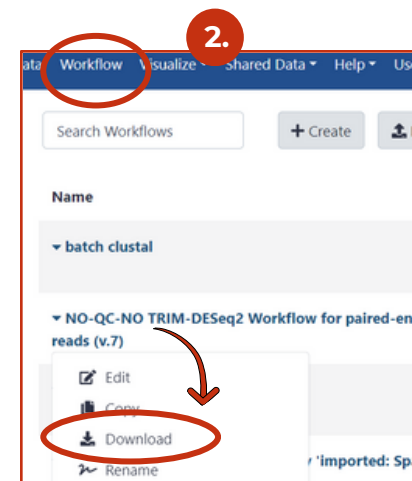
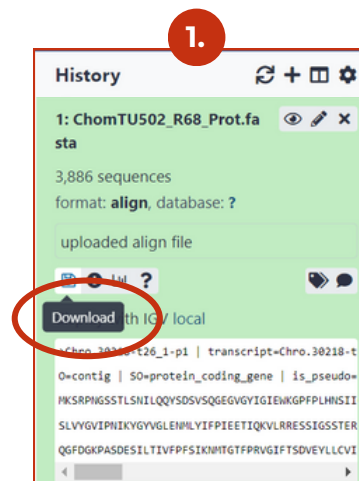
- Text - choose from columns and/or tables
- BED - coordinates of sequences, configurable
- FASTA - sequence retrieval, configurable
- GFF3: Gene models and optional sequences



## DOWNLOAD GALAXY DATA

Files and workflows can be downloaded from VEuPathDB Galaxy and subsequently uploaded to a different server.

1. To download files (1.), open the tile in the history panel and choose Download. Histories need to be downloaded one file at a time.
2. To download a workflow (2.), go to the Workflow tab, choose the workflow name and click Download



# Download data from VEuPathDB

<https://VEuPathDB.org>    [help@VEuPathDB.org](mailto:help@VEuPathDB.org)



**VEuPathDB**  
Eukaryotic Pathogen, Vector & Host  
Informatics Resources

## DOWNLOAD SAVED STRATEGIES

Your VEuPathDB saved strategies are stored in the **All** tab of the **My Strategies** page. Saved searches need to be rerun before the results can be downloaded. Click the strategy name to rerun and then follow the instructions for **DOWNLOAD DATA FOR MULTIPLE GENES**. To download only IDs, choose to download a custom table with no columns checked (Clear All columns).

PlasmoDB  
Site search, e.g. PF3D7\_1133400 or \*reductase  
My Strategies    Searches    Tools    My Workspace

### My Search Strategies

Opened (0) **All (351)** Public (45) Help

Genes (172)    Organisms (2)    Popset Isolate Sequences (12)    Genomic Sequences (16)    Genomic Segments (14)    SNPs (51)

Strategy results are not stored, only the strategy steps and parameter values are. Results may change.

Saved Strategies (172)

<input type="checkbox"/>	<input type="checkbox"/>	Strategy	Description
<input type="checkbox"/>	N/A	class strat	Text (produ
<input type="checkbox"/>	N/A	Unnamed Search Strategy	Text (produ
<input type="checkbox"/>	N/A	Strategy + nested improvement May 2024	Text (produ

Click the name to rerun the saved strategy

## DOWNLOAD JBROWSE TRACK DATA

JBrowse track data can be downloaded using the Save Track Data feature. Open the dropdown menu associated with the track name and choose the Save Track Data tool. Options to configure the Regions and data format are offered.

Genome    Track    View    Help

Select tracks

202,500

Low Complexity Regions

Blood stage transcriptome (3D7) - 002.0 - 8 hours (unique) Coverage

Save track data

Region to save

☒ Visible region - PF3D7\_01\_v3:257306..297005 (39.7 Kb)

☐ Whole reference sequence - PF3D7\_01\_v3:1..640851 (640.85 Kb, too large)

Format

☒ bedGraph

☐ Wiggle

☐ GFF3

Filename

Blood stage transcriptome -3D7- -002.0 - 8 hours -unique- Coverage-PF3D7\_01\_v3

Cancel    View    Save