

Overview

[https://feature.plasmodb.org/plasmo/service/record-types/gene/searches/GenesByTaxonGene/reports/standard?organism=Plasmodium%20falciparum%203D7&reportConfig={%22attributes%22:%5B{%22source_id%22:%22organism%22,%22gene_type%22%5D,%22tables%22:%5B{%22GOTerms%22,%22Alias%22,%22ECNumbers%22,%22MetabolicPathways%22,%22InterPro%22%5D}%22}}}](https://feature.plasmodb.org/plasmo/service/record-types/gene/searches/GenesByTaxonGene/reports/standard?organism=Plasmodium%20falciparum%203D7&reportConfig={%22attributes%22:%5B{%22source_id%22:%22organism%22,%22gene_type%22%5D,%22tables%22:%5B{%22GOTerms%22,%22Alias%22,%22ECNumbers%22,%22MetabolicPathways%22,%22InterPro%22%5D}%22}})



PlasmoDB offers a set of friendly pages to help you easily build your URL. In summary:

1. **Choose a search** you want to run using web services. Navigate to that search page.
2. In the search page configure the search parameters as you would like them to be in your web services URL.
3. When done setting parameters, instead of clicking Get Answer, click the link to Build a Web Services URL
4. That link guides you to a page where you choose the style of report you want (similar to downloading a result), and configure that report.
5. Finally, press the Build URL button.
6. Your URL will be displayed.
7. Cut and paste that URL into whatever application you want to use to run the web service.

1. First choose a search you want to run via web services. For example, you can go to the PlasmoDB home page and select a search:

Search for Genes

expand all | collapse all



Find a search...  

- Text
- Gene models
- Annotation, curation and identifiers
- Genomic Location
- Taxonomy
- Orthology and synteny
- Phenotype
- Genetic variation
- Epigenomics
- Transcriptomics
- Sequence analysis
- Structure analysis
- Protein features and properties
- Protein targeting and localization
- Function prediction
- Pathways and interactions
- Proteomics
- Immunology

expand all | collapse all

Search for Other Data Types

expand all | collapse all

Find a search...  

- Popset Isolate Sequences
- Genomic Sequences
- Genomic Segments
- SNPs
- SNPs (from Array)
- ESTs
- ORFs
- Metabolic Pathways
- Compounds

expand all | collapse all

2. Next fill in the parameters in the search page, to describe how you would like the web service URL parameters to be configured.

1 Organism

0 selected out of 136

Filter list below ▼

☐ Cernyocytes

☐ Fungi

select all | clear all | expand all | collapse all

2 Count exons per

Transcript ▼

3 Exon Count >=

2

4 Exon Count <=

20

Get Answer

5 Give this search a name (optional)

6 Give this search a weight (optional)

Build a web services URL from this search >>

3. When done filling in parameters, click the **Build a web service URL from this search** link. You will go to the **Build a web services URL** page:

Build a web services URL

The URL you have built so far is:

`https://plasmodb.org/a/service/record-types/gene/searches/GenesByExonCount?organism=blah&exons=3`

The next step is to build the reporting options you want. The choices below will guide you through that, adding to your URL:

Choose a Report:

- ☐ Tab delimited (Excel) - choose columns to make a custom table
- ☐ Tab delimited (Excel) - choose a pre-configured table
- ☐ FASTA (sequence retrieval, configurable)
- ☐ GFF3: Gene models and optional sequences

4. Choose a report, and then configure the report in the way you would like your web services URL to be configured.

[illegible]

- 5,6,7. Finally, click the Build URL button. Your built up URL will display in the box below. It is ready for use!