

How to run a structured search using web services

Overview

This page describes how to use REST web services to run searches against this website. You will learn how to build an URL like this:
`https://plasmodb.org/plasmo/service/record-types/transcript/searches/GenesByMolecularWeight/reports/standard?organism=Plasmodium falciparum 3D7&min_molecular_weight=10000&max_molecular_weight=10500&reportConfig={"attributes":["gene_source_id","source_id","organism","gene_type"]}`

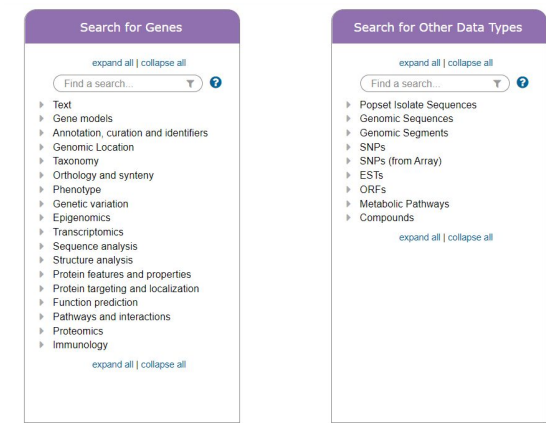
You can use web services to run **all searches available in this website**.

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

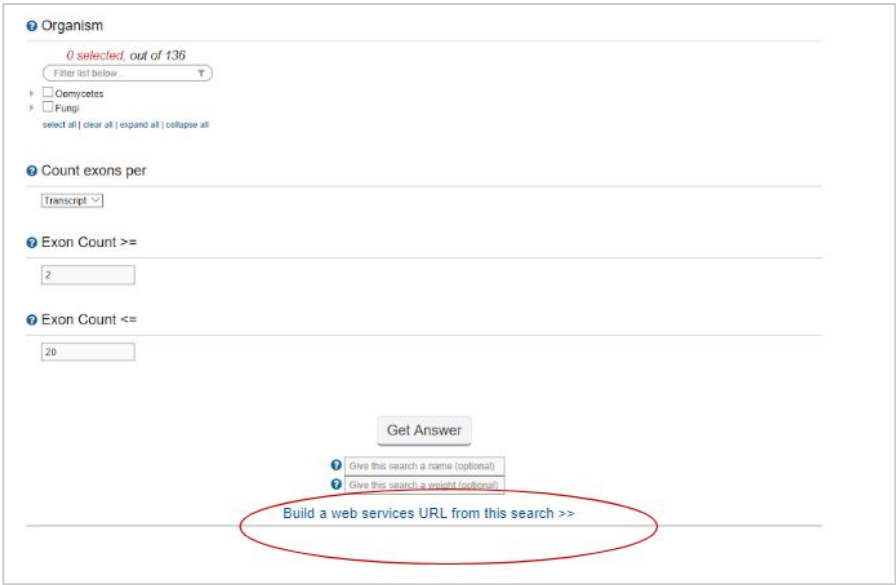
1. **Choose a search** you want to run using web services. Navigate to that search page.
2. In the search page configure the search parameters as you would like them to be in your web services URL.
3. When done setting parameters, instead of clicking Get Answer, click the link to Build a Web Services 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.

The Details

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



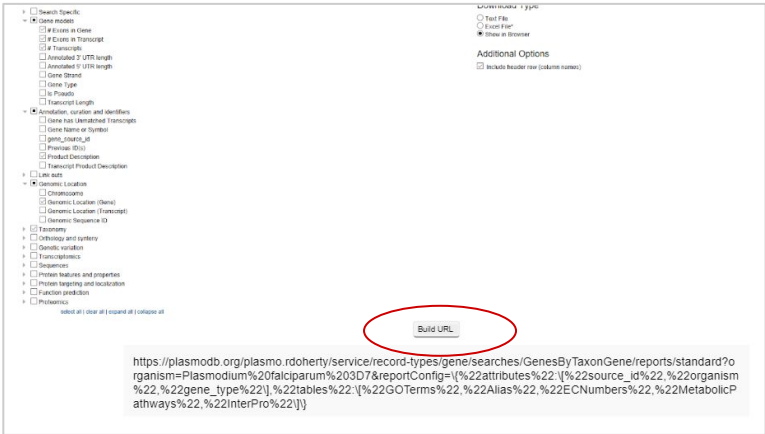
2. Next fill in the parameters in the search page, to describe how you would like the web service URL parameters to be configured.



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:



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



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