

Query Builder I - Getting Started

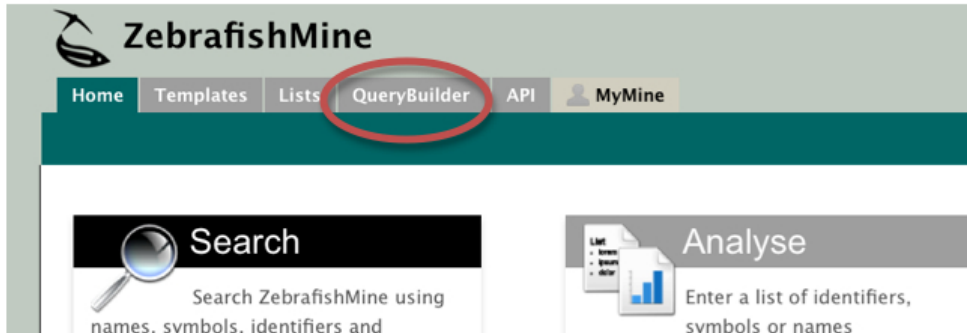
For help, contact us at zfinadmin@zfin.org. To get back to [ZebrafishMine](#), click [here](#).

Modify Templates and Build your own Searches

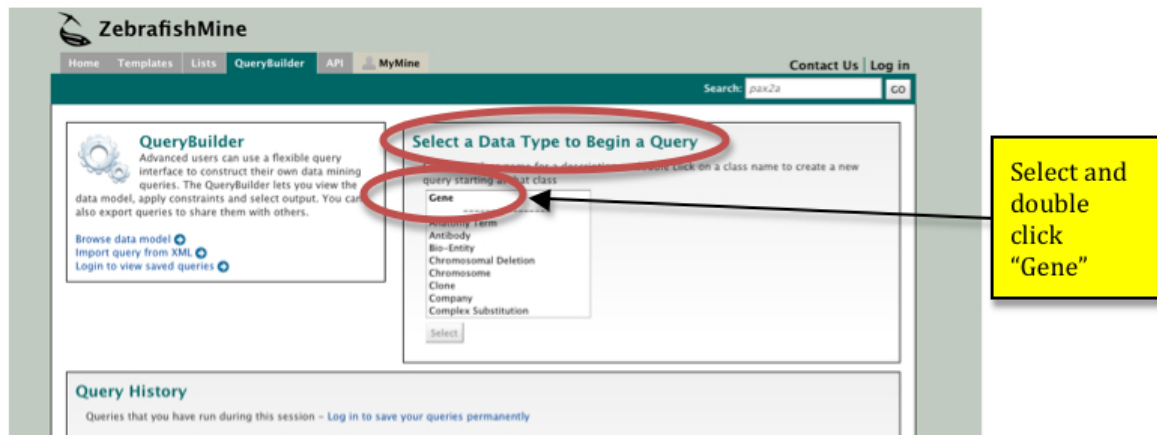
You can modify existing templates and build your own templates in InterMine's custom "Query Builder". Query Builder is a powerful tool, but can be complicated to use. We will build an extremely basic query here, but you can contact us at zfinadmin@zfin.org if you have questions about putting together more complex queries. Detailed instructions on using Query Builder can be found here:

<http://flymine.readthedocs.org/en/latest/query-builder/Documentationquerybuilder.html#querybuilder>

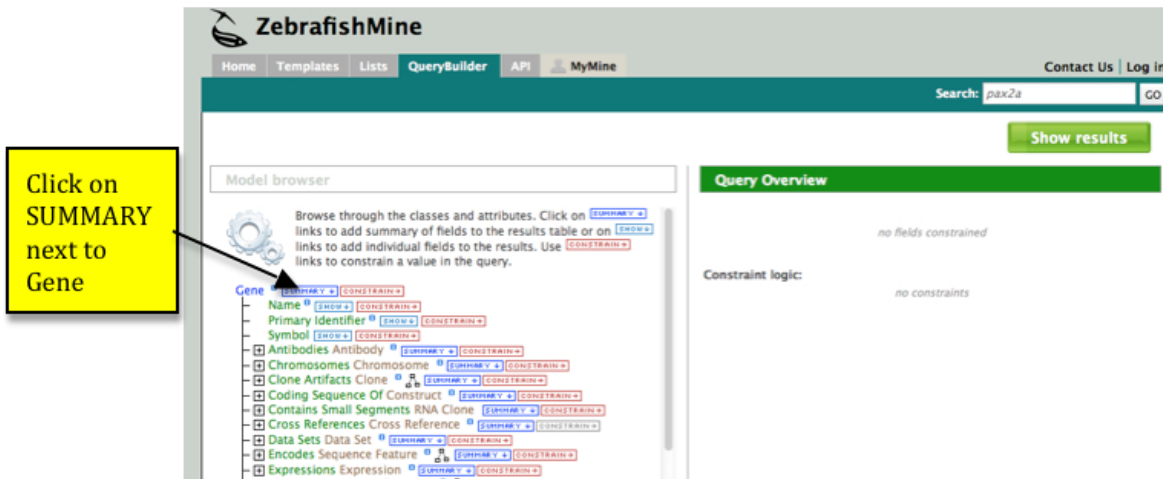
Click on the Query Builder tab:



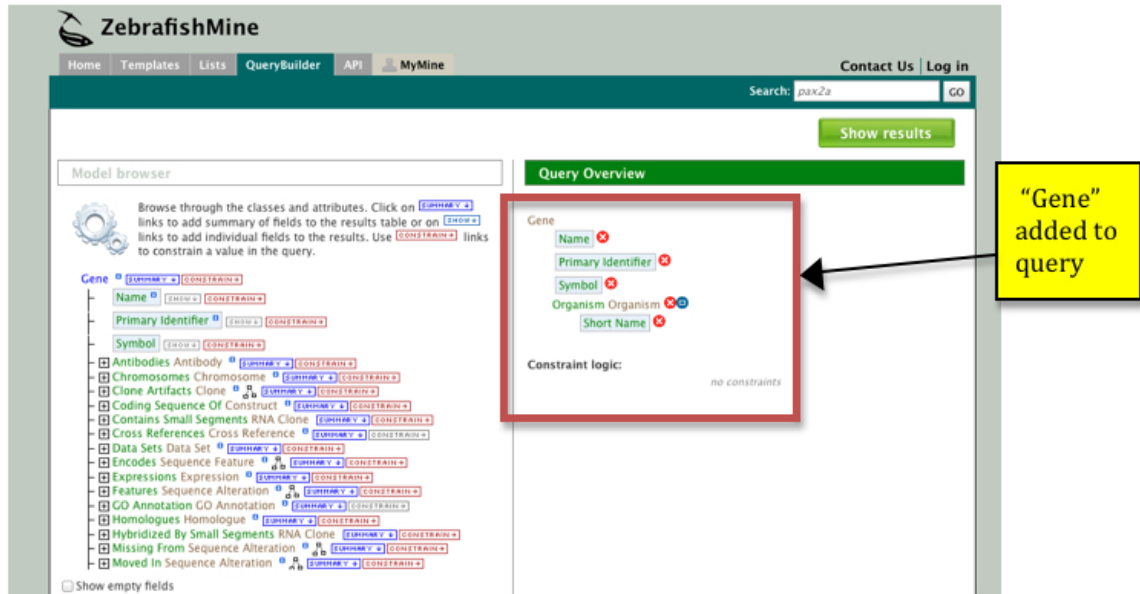
On the Query Builder page, go to the "Select a Data Type to Begin a Query" section. Double-click the "Gene" data type to bring up the Gene section in the Model Browser.



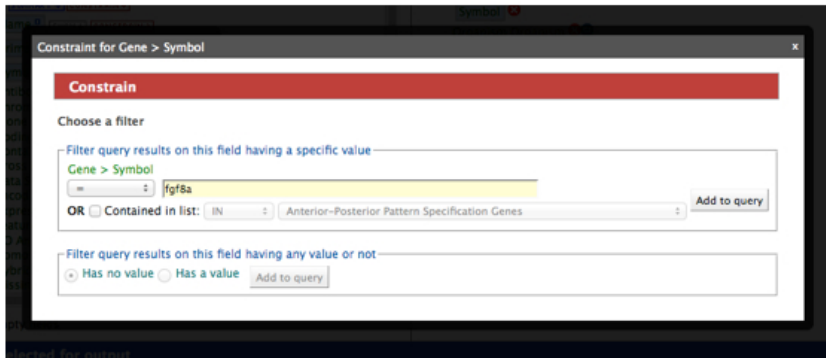
The Model browser is on the left, with the “Gene” section of the ZebrafishMine data model expanded:



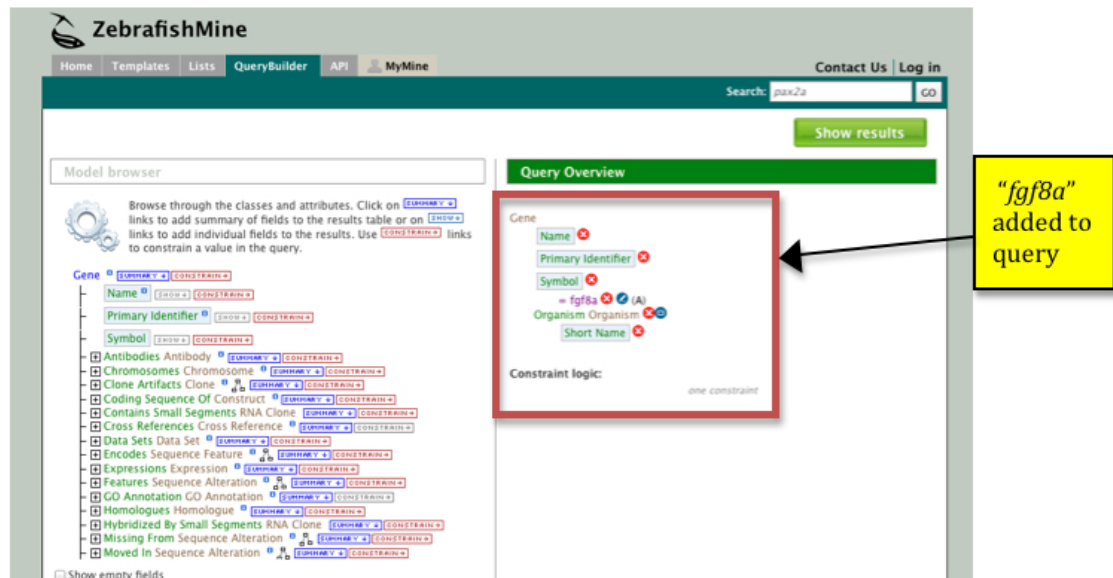
Click on the “SUMMARY” box next to “Gene”, which adds some of the basic data types associated with genes, such as gene symbol, gene name, and identifier, to the query:



Click on “CONSTRAIN” next to “Symbol” to limit your search. In the popup window, type “*fgf8a*” in the Gene>Symbol box. Click “Add to query”.



fgf8a has been added to the query:



Click “Show results” to run this query.

Expand query: To find where *fgf8a* is expressed, go back to the Model Browser and click on the “+” next to “Expressions”. Under “Expressions”, find “Anatomy” and click on the “+” next to it. Under “Anatomy”, find “Name” and click on “Show” to add the Anatomy term name to your query. Click the green “Show results” box to find out where *fgf8a* is expressed.

Model browser

Gene

- Name
- Primary Identifier
- Symbol
- Antibodies Antibody
- Chromosomes Chromosome
- Clone Artifacts Clone
- Coding Sequence Of Construct
- Contains Small Segments RNA Clone
- Cross References Cross Reference
- Data Sets Data Set
- Encodes Sequence Feature
- Expressions Expression
 - Gene Gene
 - Assay
 - Expression Found
 - Primary Identifier
 - Anatomy ZFA Term
 - Description
 - Identifier
 - Name
 - Namespace
 - Obsolete Boolean

Expression

Anatomy

Name

Query Overview

Gene

- Name
- Primary Identifier
- Symbol
 - = fgf8a
- Expressions Expression collection
- Anatomy ZFA Term
- Name
- Organism Organism
- Short Name

Updated query

Constraint logic: *one constraint*