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 ZebrashineMine data model expanded:

Click on SUMMARY next to Gene

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.