# InterMine Embeddable Data-Mining



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See changes you have made, and undo them

Open source data warehouse system

## intermine.org

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#### InterMine is:

- An Integrated Data-Warehouse System
- An Optimised Query Engine
- A REST-ful web-service
- A set of embeddable graphical data-mining tools

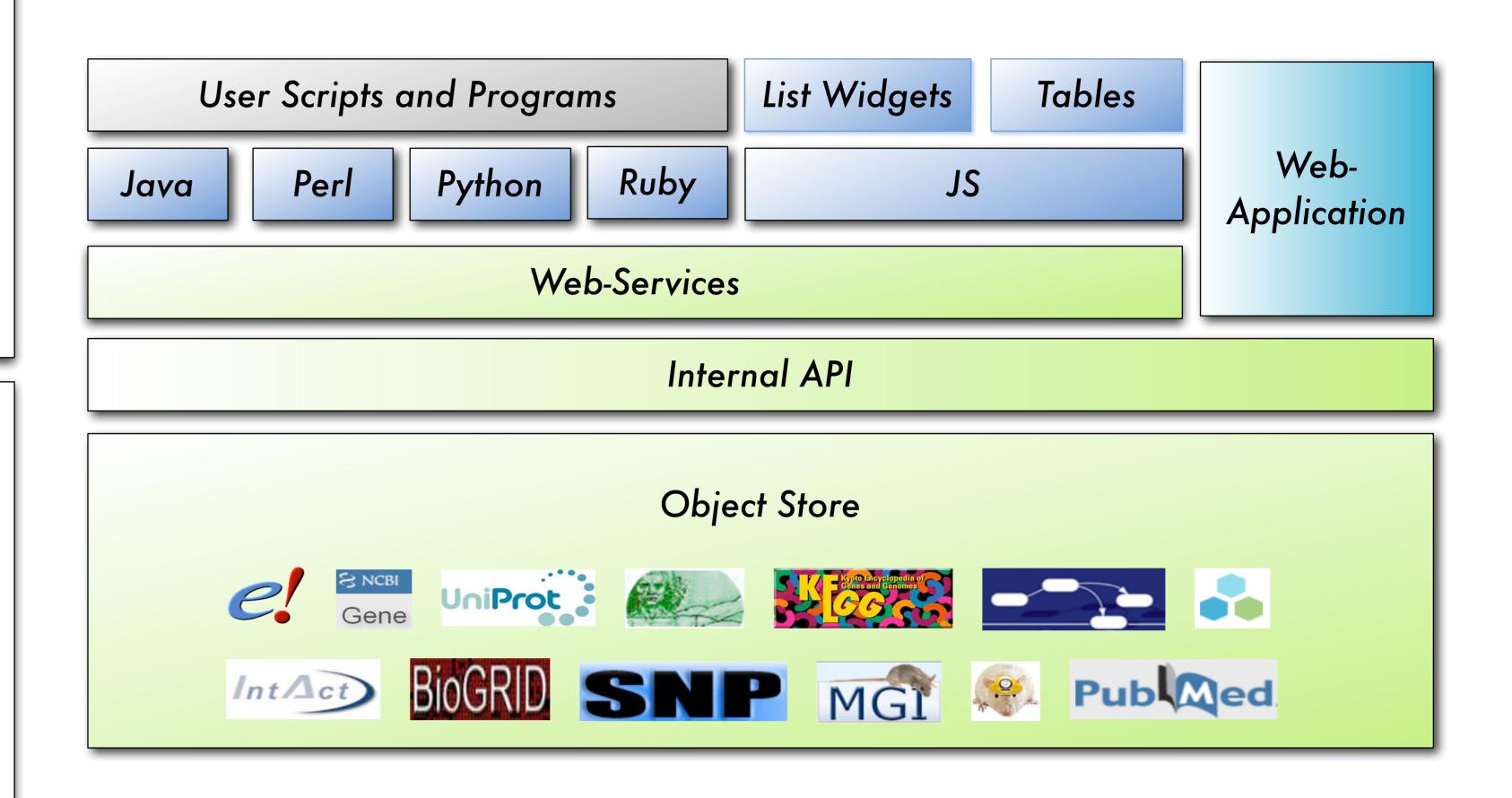
And is used by major Model Organism Databases such as SGD (S. cerevisiae), RGD (R. norvegicus) and MGI (M. musculus)

### <u>Bringing Data Mining To Any Page</u>

The new **Results Tables** and **List Widgets** are built with HTML5 and CSS, These tools are designed to be embedded in any web-page, and viewed in modern browsers.

The InterMOD project is bringing InterMine services to a wide range of major MODs, serving many research communities. With a range of data available, any site can take advantage of datamining components in its UI.

### System Architecture



#### With the Results Tables You Can

- Quickly page through large data sets (100s of thousands of rows).
- Characterise the results with graphical column summaries
- Explore the data by adding and removing filters
- Change what you see by adding and removing columns
- Export the results, or send them to Galaxy

Sort on Column

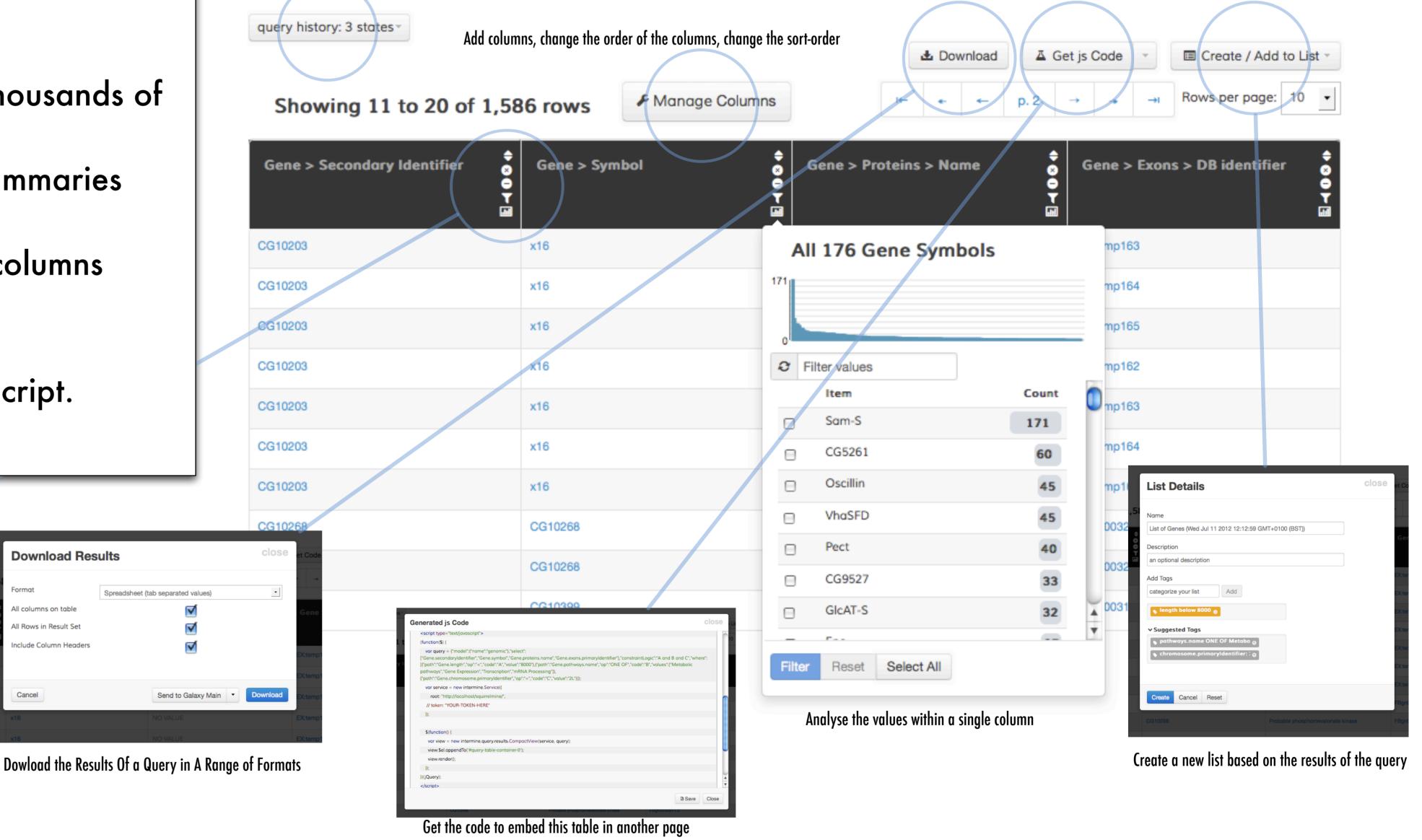
Remove Columi

Add/Edit/Remove Filters

Hide Column

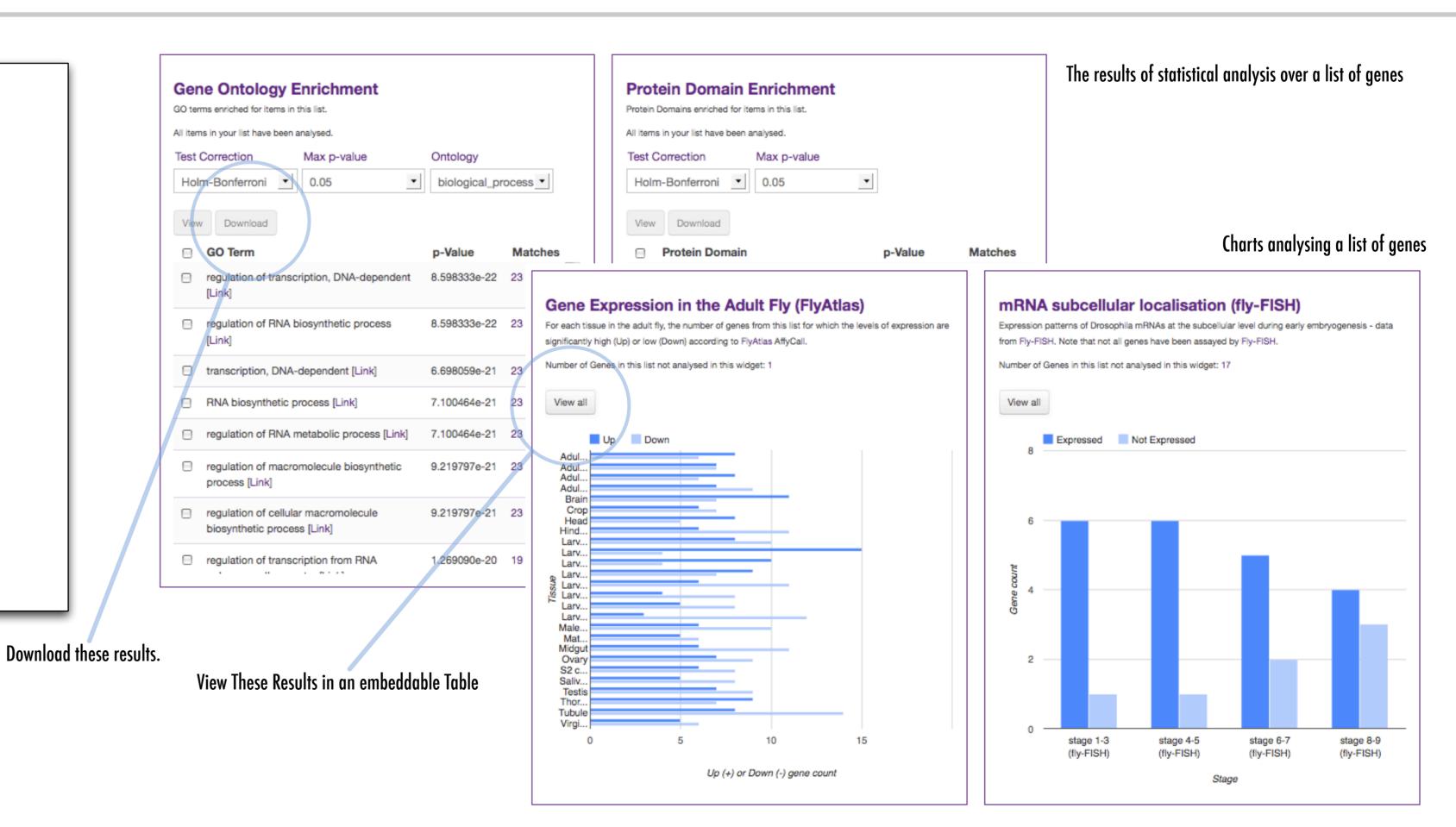
See Summary

- Save the result set as a list
- Embed a table in a few lines of HTML and JavaScript.



With the List Analysis Widgets You Can

- Perform statistical analysis on groups of objects (eg. what GO terms best characterise this list of genes?)
- See charts summarising a list (eg. what is the expression pattern for the genes in this list?)
- Download the results of the analyis.
- Save the matching objects in a list for further study.
- Embed a widget in a few lines of HTML and JavaScript.







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**Download Results** 

All columns on table II Rows in Result Se

nclude Column Header



