FlyGene Wiki and FTYP

At the top of every gene report there is a link to our community-generated gene wiki

Simply register on the wiki to be able to edit the gene summaries and add your take on a particular gene

Fast Track Your Paper

Six steps:
1. Find your paper
2. Identify yourself
3. Indicate the data-types in the publication
4. Identify the genes
5. Provide information on new antibodies
6. Confirm your submission

form continues…

QuickSearch

Six tabs, many allowing controlled vocabulary searches:

"Simple" searches all text in all fields on every report

Note:
The more boxes you fill out, the greater the chance you'll not get any hits. Try starting your search more broadly.

Autocomplete in every controlled vocabulary box

Continue your search using the Refinement and HitList Conversion Tools

FlyBase

A Database of *Drosophila* Genes and Genomes

What's New 2013

- Genomic data and how to search for it
- GBrowse 2 and FeatureMapper
- High-throughput Expression Data
- FlyGene Wiki and FTYP
- QuickSearch

www.flybase.org

Searching large datasets

Large Dataset Metadata (LDM) Reports
These reports contain information such as:
• Description of dataset
• Experimental procedures
• List of related datasets (parent or child)
• Link to list or file of dataset members

Search Options
• QuickSearch allows you to search all fields on the LDM reports at once. To search for modENCODE data sets:

• QueryBuilder allows searches by specific field

GBrowse Track labels link to relevant LDM reports

Sequence Feature reports contain links to datasets of which the feature is a member

FeatureMapper

Purpose: to identify features within a sequence range of interest:
• Features include insulators, transcription factor binding sites, point mutations, RNA editing sites, etc.
• Can search within genes, upstream of genes, downstream of genes, or within any desired sequence (enter sequence coordinates directly into search box)

Output lists features found within each landmark (in this case, 10kb upstream of several genes, *abd-A* shown). Features can also be downloaded in GFF format.
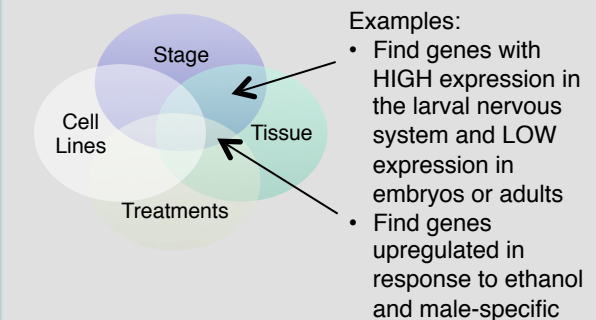

Expression data update

High throughput expression search

• Identify sets of genes with similar expression patterns. There are currently four types of expression patterns that can be searched.
• You can search one more at a time
• Expression can be selected to be high or low for each subset

Examples:
• Find genes with HIGH expression in the larval nervous system and LOW expression in embryos or adults
• Find genes upregulated in response to ethanol and male-specific

Expression section of the Gene Report
New sub-section: expression deduced from reporters