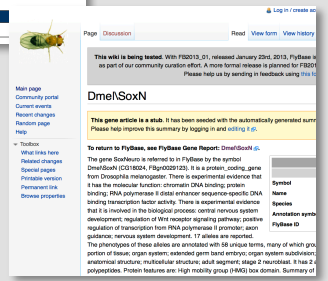
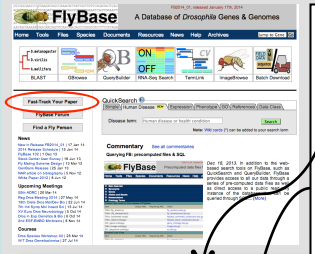
FlyGene Wiki and FTYP

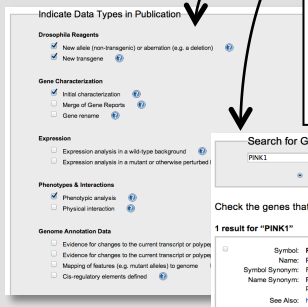
At the top of every gene report there is a link to our community-generated gene wiki

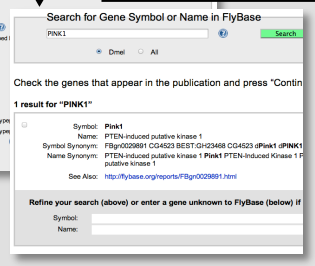
Simply register on the wiki to be able to edit the gene summaries and add your take on a particular gene



Fast Track Your Paper



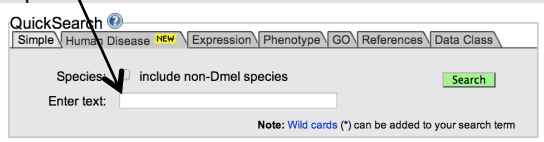




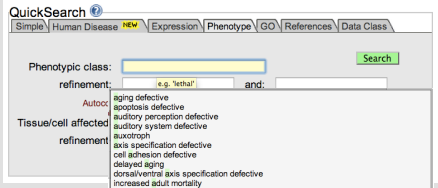
Six steps:
1. Find your paper
2. Identify yourself
3. Indicate the data-types in the publication
4. Identify the genes
5. Provide information on new antibodies
6. Confirm your submission

QuickSearch

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

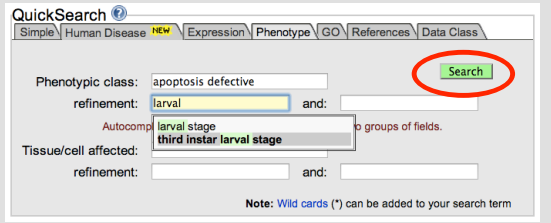


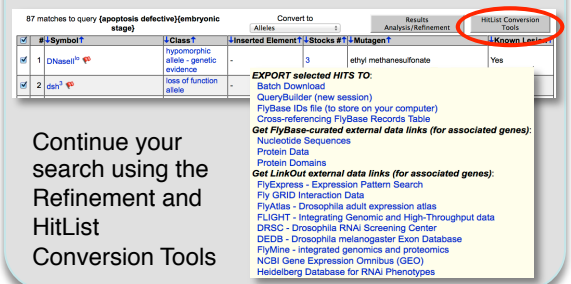
Six other tabs, many allowing controlled vocabulary searches:



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 2014

- Genomic data and how to search for it
- GBrowse 2 and FeatureMapper
- Human Disease Models
- FlyGene Wiki and FTYP
- QuickSearch

www.flybase.org

FlyBase is supported by a grant from the National Human Genome Research Institute (NHGRI) at NIH #P41 HG000739.
Support is also provided by the British Medical Research Council and the Indiana Genomics Initiative.

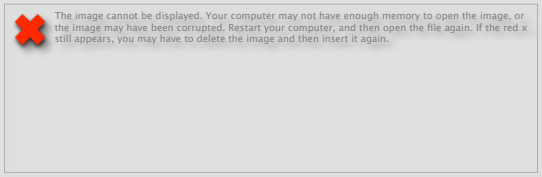
Searching large datasets

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

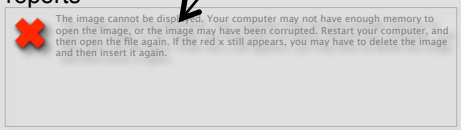
Search Options

- 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

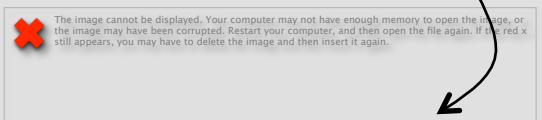
GBrowse Track labels link to relevant LDM reports



GBrowse1

GBrowse2

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

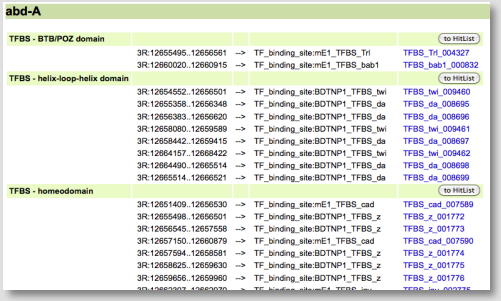


FeatureMapper

Purpose: to identify features within a sequence range of interest:

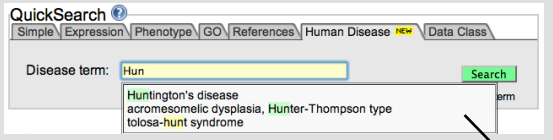
- Features include insulators, transcription factor binding sites, point mutations, RNA editing sites, etc.
- Can search within genes, upstream of genes, downstream of genes, or within any desired sequence (enter sequence coordinates directly into search box)

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.

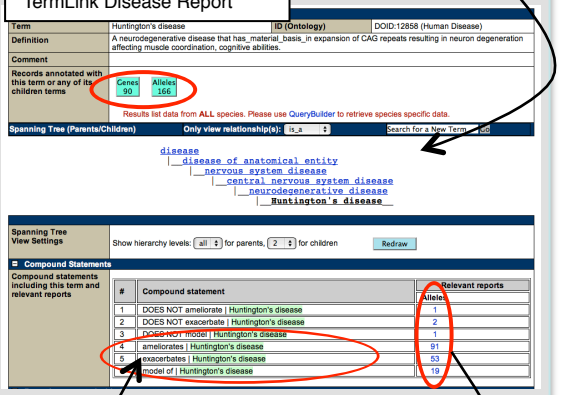


Human disease models

We are now using Disease Ontology terms to annotate Drosophila alleles and transgenes and human transgenes inserted into Drosophila that reproduce a human disease phenotype.



TermLink Disease Report



Interacting alleles that relieve the disease phenotype or make it more severe.

Allele Report