

Advanced Searches

Search tools are split into categories in the tools menu and can be found on the homepage

Tools Overview
 Query Tools
 Genomic/Map Tools
 Retrieve/Convert
 Data Submission
 People

QuickSearch
 QueryBuilder
TermLink
CytoSearch
 Interactions Browser
 ImageBrowse
 Find A Person
 Google™ FlyBase

QueryBuilder

Search every single field on every report in FlyBase

Use a query template OR Import a saved query OR Build a new query

Filter templates by keywords
 Templates
 Choose/modify a template
 Combine between fields

Controlled Vocabularies (CV) AND
 CV term
 in vitro construct

Show me related Alleles
 Output format: HitList

For the selected records, analyze frequencies of values of:
 Phenotypic Class
 Anatomy Terms
 Mutagen
 For the selected records, browse Interactions for the effect:
 Enhancement
 Enhancement + Suppression
 Suppression

- Save searches
- Refine hit lists

Controlled Vocabulary - TermLink

General Information
 Definition
 Synonyms

2 matches

#	Symbol	Name	Annotation ID	Cytology	Alleles	Stocks	Clones
1	111	Neurotrophin 1	CG42678	64B9-64B9	13	2	22
2	1002	leptine 5	CG09972	63A1-63A1	4	3	8

- Search by Controlled Vocabulary for genes, alleles and insertions by GO term, phenotype etc.

Data Downloads

Precomputed files

- Description of each file
- Genetic interactions
- FBgn ↔ CG IDs
- Sequences of 12 Genomes
- Transgenic insertions
- Archives of data

Files Overview
Downloads:
 Precomputed files
 Archived data
 Releases (FTP)
 Genomes (FTP)

Batch Download by ID

Generate custom data files or web page displays:

Tools Overview
 General Tools:
 Aberration Maps
 Batch Download
 BLAST
 Chromosome Maps
 Coordinate Converter
 CytoSearch
 ImageBrowse

1. Choose output data type: FASTA, XML, or field data
2. Choose output options: browser or file
3. Input FB identifiers: from personal file or query output
4. Choose fields for display (if applicable)

Batch Download
 Output Format
 FASTA Sequence
 Database Format
 Full Data Only
 Field Data
 Selected Fields Only

Output Options
 Gene region
 Chado XML
 As HTML table

Send results to:
 Browser
 File

Enter IDs, Symbols or Sequence Coordinates:
 cns
 Bruce
 ann

or Upload File of IDs:
 Browse...

Allow synonyms
 Select Fields
 Submit

Get the data you want in the format you want

SUBMITTED ID	ANTIBODY INFORMATION	NO TERMS	SUBJECT GENETIC INTERACTIONS	SYMBOL
cns	polyclonal	protein_coding_gene nuclear_gene	-	cns
Bruce	polyclonal	protein_coding_gene nuclear_gene	pat with alleles bruce[unspecified]	Bruce
ann	polyclonal	protein_coding_gene nuclear_gene	ann with alleles ann(1), ann(19A) ann with alleles ann(cbpd), ph1, ph2 with alleles ann(SP142)	ann



A Database of *Drosophila* Genes and Genomes

Quick-Start Guide

Basic Searches

Report Pages

Obtaining Fly Reagents

Advanced Searches

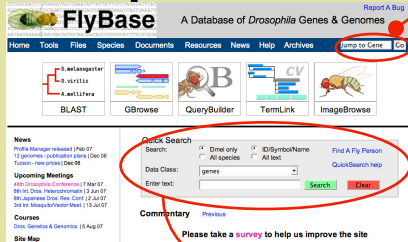
Data Downloads

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.

Basic Searches

Jump to Gene



Find genes by symbol, synonym, or ID. Optimized to return the best hit(s)

Quick Search

QuickSearch

Species: Dmel only All species Find A Fly Person

Search: ID/Symbol/Name All text QuickSearch help

Data Class: genes

Enter text:

Note: Wild cards (*) can be added to your search term

- genes
- aberrations
- alleles
- balancers
- clones
- controlled vocabularies
- genes
- insertions
- natural transposons
- polypeptides
- recombinant constructs
- references
- stocks
- transcripts

- Access to ALL report pages
- Search main data classes
- Option to search all species and all text
- Optimized to return all hit(s)
- For field-specific queries across multiple data sets, use QueryBuilder!

RSS feeds for favorite reports

Recent Updates	Description
	What does this section display? This section contains items that were added to this record for each release. It currently only tracks new links between the FlyBase report and other FlyBase data classes (e.g. genes, references, stocks) or controlled vocabulary terms (e.g. GO, anatomy terms). What does this section not display? This section does not currently display links that were removed or gene model changes. Update Feed Click the icon below to subscribe to this FlyBase record and receive updates automatically through your feed reader.
FB2011_01	Controlled Vocabulary Terms Mopogen-like receptor activity References Mitra et al., 2010, Development 137(17): 2995-2904 Vogelstein et al., 2010, J. Biol. Chem. 285(15): 14279-14294 Transgenic Constructs P[acman>A3150] P[acman>E-GFP] P[acman>A3150]
FB2011_02	References Siv et al., 2010, PLoS Comput. Biol. 6(12): e1001000 Gaffly et al., 1999, Neuron 22(4): 707-717 Carrie et al., 2010, J. Biol. Chem. 285(48): 37811-37822
All updates	Click here to see a list of all updates to this record from FB2010_08 and on.

- The Recent Updates section found in every report details recent additions to the report from the last few FlyBase releases
- Click the RSS icon to receive notification of these updates in your feed reader/email

Report Pages

Example report page

- Report pages are available for every object in FlyBase, e.g. Genes, Alleles, Controlled Vocabulary terms, etc.
- Use 'Open all' to see all the information available and 'Close all' to minimize the page
- Click Help to read about different fields

General information

Genomic information

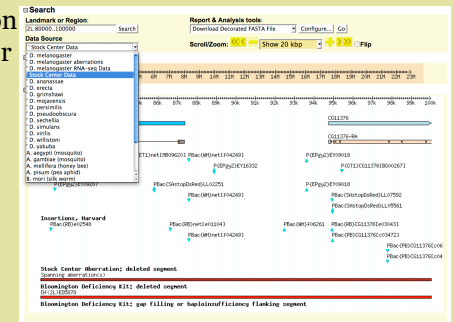
Clicking on each heading opens further sections.

Click "Help" for field-by-field help for each report

Obtaining Fly Reagents

e.g: Fly Stocks

Bloomington stock center lines now shown as a clickable dataset on GBrowse



STOCKS & REAGENTS	
STOCKS AVAILABLE (AS LISTED IN FLYBASE) (9)	
Harvard	P(XP)cn[1] PBac(RB) PBac(WH)
Szeged	P(E)P[CG] w[1118]; F cn[1] cn[1]
Bloomington	17038 y[1] w[67c] 5039 y[1]; P[y(+)] 15101 y[1]; P[y(+)]
Kyoto	108003 cn[1] cn[1]

1. Identify stock number
2. Click straight through to stock center

<http://flystocks.bio.indiana.edu>

<http://drosophila.med.harvard.edu/>

<http://sagaflly.dgcr.kit.ac.jp/en/>

<http://expbio.bio.u-szeged.hu/fly/>

e.g: cDNA clones

STOCKS & REAGENTS	
STOCKS AVAILABLE (AS LISTED IN FLYBASE)	
GENOMIC CLONES	
cDNAs	
BDGP DGC cDNAs	AT27480 LDC bs3q0g05 ATC LP02441 LD AT29219 EK LD43584 AT

1. Learn about clone on clone report (click)
2. Order clone using clone ID

<https://dgcr.cgb.indiana.edu/>