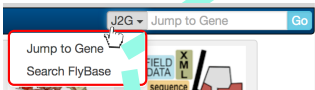# FlyBase 2.0 - What's new?

Vitor Trovisco, Jim Thurmond, Josh Goodman, Thom Kaufman, Steven Marygold, Beverley Matthews, Victor Strelets, Christopher Tabone and the FlyBase Consortium*

FlyBase on any device!

FlyBase 2.0 provides good usability on all devices, including smart phones and tablets

J2G/Simple Search Box

There is a Jump-to-gene (J2G)/Search FlyBase box at the top right of every page. J2G goes straight to specific gene or allele report pages; Search FlyBase retrieves hits from all data classess matching the query entry

HitLists - fresh from the oven!

List view
All hits of all data classes

HitList filters
- Species filter *coming soon*
- Data class filter

Table view
For single data classes

Table sorting feature

Sequence Downloader

ID/Bulk ID/Bulk region
Select downloading sequences associated with one or several specific IDs, or spanning a specified genomic region

Sequence type
Choose from Gene region, CDS, Introns, Exons, Translations, Transcripts, 5'UTR, 3'UTR, Clones, Sequence features, or Recombinant constructs

Download options
Download all or individual hit sequences

Report pages - loads of new features!

Gene Snapshots
Some protein-coding genes have short summaries solicited from expert researchers, curated and standardized by FlyBase, which provide a quick overview of the function of a gene product.

"Alliance" Linkouts
Gene reports linkout to the Alliance of Geneme resources, a consortium that provides an integrated view of data and orthology for genes across the model organisms

GO Summary Ribbons
Gene reports now include a visual summary of the associated Gene Ontology (GO) annotations

Gene Groups
Gene groups are a new data class, bringing together genes/gene products that form a biological group (members of a gene family, subunits of a protein complex, or some other functional grouping)

Protein Domains
The Gene Model and Products section now includes a section showing the protein domains

Functional complementation
This section lists all orthologs for which there is experimental complementation (rescue) data in flies

New 'Dataset' data class
This section lists all associated large datasets (e.g. genetic screen, highthroughput study)

Reference type filter
Allows selecting specific types of associated publications (e.g. Research papers, Reviews, Personal communications)

RSS updates button
Automated updates on your favorite gene groups, genes, alleles

Navigation panel
For easy navigation through all sections of report pages

Expression tools

'GAL4 etc' tab of Quick Search
Search for GAL4 and other drivers and reporters with specific expression patterns

'Frequently Used GAL4 Drivers'
This table lists the most frequently used GAL4 Drivers