Recently acquired stocks

Heidelberg CFD CRISPR Library
Deposited by Michael Boutros and Filip Port.

- **Improved CRISPR gene knock out system**
  A collection of multiplexed sgRNAs for a Cas12a-based system, targeting each gene with four sgRNAs, shows superior on-target activity and undetectable off-target cutting compared with a current Cas9-based system. Port et al., Biorxiv (2025).
  The library includes 845 sgRNA lines and 12 Cas12a+ nuclease tools.

- **Base Editing**
  The HD CFD Base Editing stocks (HD-CFD-Base Editing) are optimized C-to-T base editing (CBE) systems for the generation of precise loss- or gain-of-function alleles in Drosophila. Doll et al., Sci Adv (2023).

Various lines donated by Jose Pastor-Pareja
The J. Pastor-Pareja (PP-STOCK) collection (128 lines) includes mutants and tagged proteins relating to components of the epithelium, extracellular matrix, endoplasmic reticulum, Golgi, lysosomes, hemocytes, cell adhesion processes and signaling pathways, etc.

Various lines donated by François Schweisguth
The F. Schweisguth (FS-STOCK) collection (15 lines) includes tagged Notch, Delta and E(spl) related proteins with single or dual GFP/mCherry/Scarlet tags; Halo nuclear marker FLP-OUT for sparse labelling.

The 'DrosDel Immunity' Panel (DD-Im)
VDRC_IDs 349900 – 349935
A set of lines useful for studying the immune system in Drosophila, all in the controlled isogenic 'DrosDel' background, thereby minimizing non-specific effects. These lines were generated by the labs of Bruno Lemaitre, Luis Teixeira and Mark Hanson.

Assessing translation regulation
VDRC_IDs 311063 – 311077 (part of ML-STOCK collection)
New and improved fluorescent tools to image and quantify nascent translation at the single molecule level in the living *Drosophila* embryo. From the lab of Mounia Lagha. Bellec et al., RNA (2024).

Synthetic enhancer reporters
VDRC_IDs 312162 – 312188 (part of AS-STOCK collection)
De novo designed tissue-specific enhancers for five tissues in the *Drosophila melanogaster* embryo: the central nervous system, epidermis, gut, muscle and brain. From the lab of Alex Stark. de Almeida et al., Nature (2023).

See Other Resources for details of further libraries and how to acknowledge the donors in your publications.