

Fig. S1. Pathways studied for a greater length of time do not necessarily have more identified components. The graph plots the year the prototypic member was first characterized, as measured by the first research paper associated with the gene in FlyBase, versus the number of curated pathway members. Linear regression was performed using the *Im* function in R.



Fig. S2. EGFR Signaling Pathway Core Components Members Table. A screenshot of the EGFR Signaling Pathway Core Components (FBgg0000951) members table showing the default column view sorted by # pathway refs (i.e. supporting papers for that gene annotated with 'epidermal growth factor receptor signaling pathway' (GO:0007173) using an experimental evidence code).

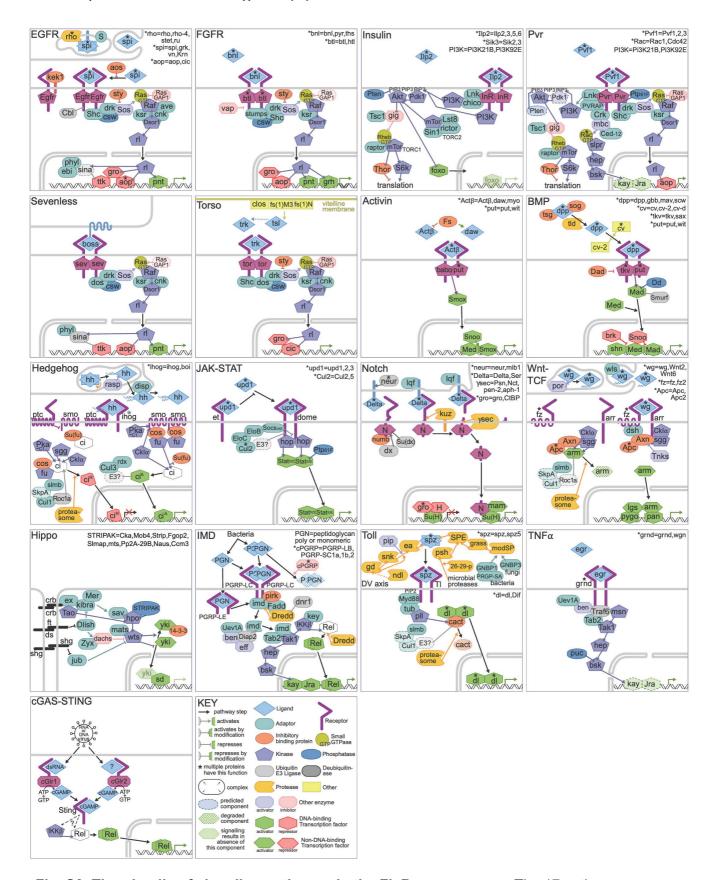


Fig. S3. Thumbnails of signaling pathways in the FlyBase resource. The 17 pathways detailed in this paper that have been reviewed by evidence-weighted curation are presented in FlyBase. For each, a text-book style over-view is available. In a few instances, a key component lacks experimental evidence in *Drosophila* and so has been added as a 'predicted component' with a dashed-line border. These Thumbnail images were created in Adobe illustrator. The Pathway thumbnails were reviewed by experts in the field (see Acknowledgments).

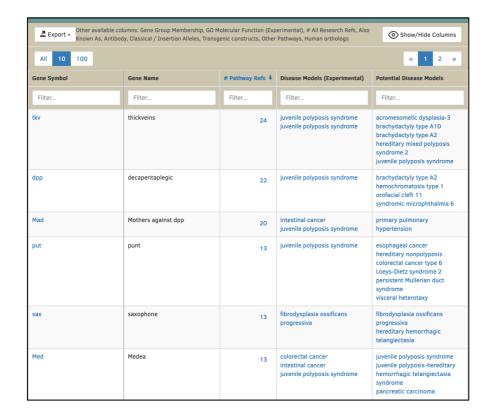


Fig. S4. Disease associations for members of the BMP Signaling Pathway Core Components page. Columns showing experimental and predicted (computed from human-ortholog OMIM links) show that six members of the BMP Signaling Pathway Core Components (FBgg0001085) have been used to model 'juvenile polyposis syndrome' (DOID:0050787) in flies and two members have human orthologs with 'juvenile polyposis syndrome' associations in OMIM.

Table S1. Summary of Signaling Pathways content in FlyBase.

An Excel spreadsheet summary of the Signaling Pathway page content in FlyBase release version FB_2023_01. The name and unique FlyBase Gene Group ID (FBgg#) are given in the first column. The second column is the GO term and ID that is mapped to the FBgg. The number of genes and papers linked to the pathway are given into the last two columns. Note that the sum of the numbers for the member groups is often different than for the top-level group as papers and genes may be shared between more than 1 subgroup. For each pathway group, except cGAS/STING, the table also includes the gene selected as the prototypic representative and year of publication of first research paper on the prototype.

Available for download at https://journals.biologists.com/dev/article-lookup/doi/10.1242/dev.202255#supplementary-data