FlyBase Representative Publications: Using annotation data to identify key papers on a gene

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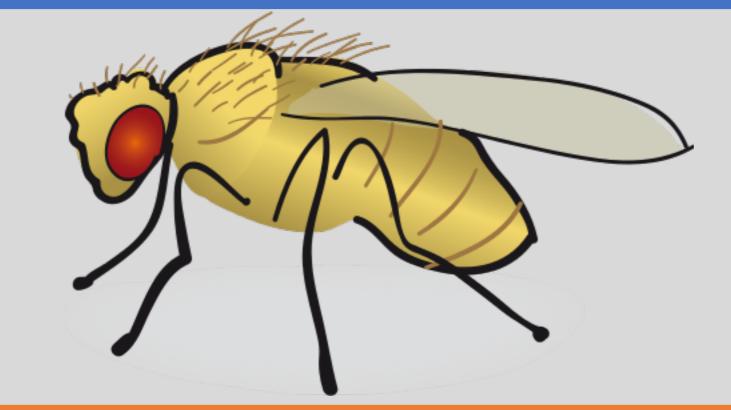
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Issue

Gene-to-publication associations are made within **FlyBase** regardless of the amount of data on a gene deriving from a given publication, resulting in comprehensive reference lists on each gene report page. However, it can be difficult for users to quickly **identify the key publications** that really characterize or focus on a gene in depth.

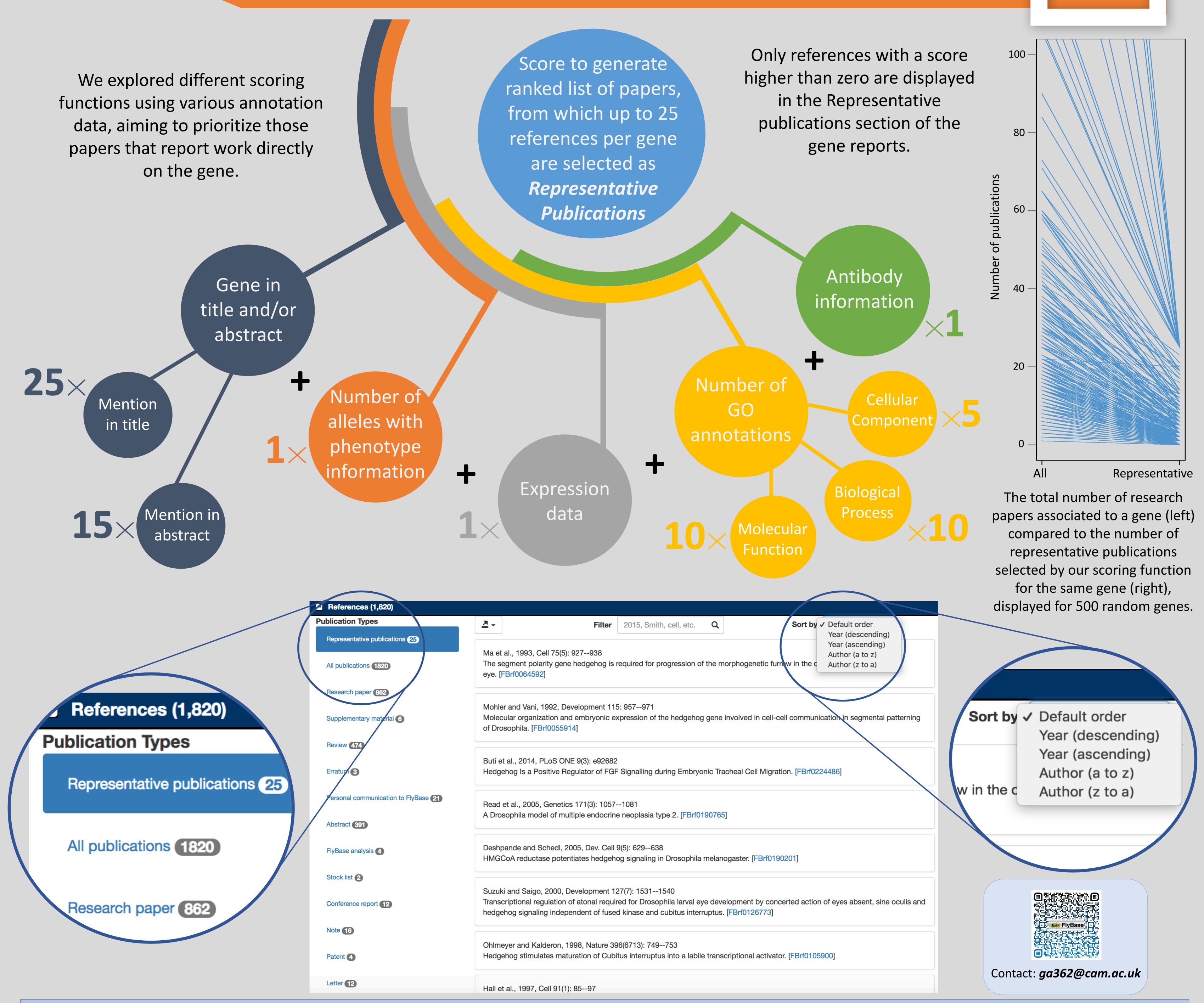
~14,000 Protein coding genes



~2,500 new research papers on *Drosophila melanogaster* per year

We have added a "*Representative Publications*" section to gene reports, which highlights **up to 25** of the most relevant research papers for each gene. These are identified through an **in-house scoring algorithm** that assesses the amount and type of data associated to each protein coding gene, from each publication, within FlyBase.

FlyBase solution



The FlyBase Consortium comprises: Nick Brown, Giulia Antonazzo, Helen Attrill, Silvie Fexova, Phani Garapati, Alex Holmes, Aoife Larkin, Steven Marygold, Gillian Millburn, Vitor Trovisco, Jose-Maria Urbano (FlyBase-Cambridge), Norbert Perrimon, Julie Agapite, Kris Broll, Lynn Crosby, Gil dos Santos, David Emmert, Susan Russo Gelbart, L. Sian Gramates, Kathleen Falls, Beverley Matthews, Carol Sutherland, Christopher Tabone, Pinglei Zhou, Mark Zytkovicz (FlyBase-Harvard), Thomas Kaufman, Bryon Czoch, Josh Goodman, Victor Strelets, Jim Thurmond (FlyBase-Indiana), Richard Cripps, Maggie Werner-Washburne, Phillip Baker (FlyBase-New Mexico).