

IgB

Integrated Genome Browser (IGB) is a fast, flexible and free Javabased desktop software tool that enables interactive exploration of genomic data sets. To accommodate large data sets, IGB featured a simple ReST-style interface that triggers incremental loading of data from local files or URLs. We used this ReST-style interface and the Galaxy viewers API to enable IGB visualization for Galaxy users. When Galaxy users create compatible data files, they now see a link labeled "View in IGB" upon clicking data file links in their Galaxy History. Clicking this link triggers delivery of data to IGB for display. This is a simple interaction from the user's perspective, but from an engineering point of view, it highlights a key extension point for Galaxy that enables integration with IGB or other visualization tools. By enabling access to data sets in a user-friendly, web-based interface, Galaxy offers many possibilities to enhance user interactions for data analysis and sharing.

Benefits

- Galaxy makes it easy for biologists to process, analyze, store and share data.
- They can store & curate data sets using **Histories**.
- Users can share Histories and data sets with collaborators or the public.
- IGB links in Galaxy Histories make it easy for users to directly import data from Galaxy into IGB.
- IGB is a powerful desktop visualization tool with many features.



from user's point of view

How it works

New Browser tab opens at BioViz.org

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