

Controlling IGB using IGB Links

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Introduction

You can control IGB by embedding IGB links in Web pages. This is useful when you need to manually inspect a large number of regions. By clicking links in an IGB links page, you can quickly move to a new region.

IGB links syntax

When IGB launches, it starts a "bookmark server" at localhost, port 7085.



If you launch a second instance of IGB while one is already running, the new instance will listen to a different port. For this reason, bookmark links will only work for the first IGB instance only.

IGB uses this internal server to handle HTTP requests.

An IGB link base URL is structured as

```
http://localhost:7085/UnibrowControl?[parameter]
```

Show a region

IGB link syntax to show a region is:

```
http://localhost:7085/UnibrowControl?version=[version]&seqid=[seqid]  
start=[start]&end=[end]
```

Parameters include:

- version - genome version
- start - start position of the region to show
- end - end position of the region to show
- seqid - chromosome sequence

Example:

http://localhost:7085/UnibrowControl?seqid=chr1&end=20636664&start=20633631&version=A_thaliana_Jun_2009



Other parameters are also available. If you're developing IGB links, it helps to open up an exported IGB bookmarks file in a text editor and take a look at how the links are structured.

Other options

Scriptfile

As of IGB 6.3, you can use the scriptfile parameter to send commands to IGB, where scriptfile designates a local file or URL

```
http://localhost:7085/UnibrowControl?scriptfile=[file or URL]
```

- For IGB command line syntax, see [Scripting and the IGB command language](#).

Scriptfile examples

Load a species and navigate to a region

http://127.0.0.1:7085/UnibrowControl?scriptfile=http://wiki.transvar.org/confluence/download/attachments/17269487/load_and_navigate.igb

Open a data set

http://127.0.0.1:7085/UnibrowControl?scriptfile=http://wiki.transvar.org/confluence/download/attachments/17269487/add_new_data.igb