



GCTforIGV Documentation

- Description:** Format a GCT file to be readable by the Integrative Genome Viewer (IGV).
NB: requires a special format in the description field
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Summary

The module appends the description field of a GCT file to a format compatible for IGV to use.

TIP: The module ReannotateGCT will annotate a GCT to a format recognizable by this module

Requirements:

The module recognises description columns of these formats.

```
{geneSymbol}
{geneSymbol}: some text
{geneSymbol}:: some text
```

The module will then convert the description fields to be compatible with IGV:

```
{geneSymbol} |@{geneSymbol}|
{geneSymbol}: some text |@{geneSymbol}|
{geneSymbol}:: some text |@{geneSymbol}|
```

Example input:

```
1.2
3 3
Name Description Sample1 Sample2 Sample3
122 RHD 14.13 122.123 122.3
123 AGRN: agrin 15.13 123.123 123.4
124_b ESPN:: espin 16.13 124.123 124.5
```

Output:

```
1.2
3 3
Name Description Sample1 Sample2 Sample3
122 RHD |@RHD| 14.13 122.123 122.3
123 AGRN: agrin |@AGRN| 15.13 123.123 123.4
124_b ESPN:: espin |@ESPN| 16.13 124.123 124.5
```

References & Links

<http://www.broadinstitute.org/software/igv/GCT>

Parameters (* = required)

Name	Description
gct file*	The GCT file to be made IGV compatible
output file*	The name of the IGV compatible file. Default: <gct.file_basename>_igv.gct = the GCT file's name + "_igv"

Input Files

1. **gct file**

Ensure the module is in the format described above, if not, it will assume everything before a ':' at the beginning of the line to be a gene symbol.

Output Files

output file.gct

The GCT file with modified Description column

stdout.txt

File containing information about the run.

"WARNING: X out of Y rows did not have a description"

Reports the number of rows of the GCT file which does not have a description

Example Data

<ftp://pwbcftp01.garvan.unsw.edu.au:10021/pub/genepattern/modules/GCTforIGV/test.gct>

Citing this module

Ying K, Kaplan W, *GCTforIGV* – a GenePattern module for converting a GCT file for use with IGV (not published).

Platform Dependencies

Module type:	Preprocess & Utilities
CPU type:	any
OS:	linux or OSX. Tested on Ubuntu 10.10
software	nil
Language:	Python