New Tool Forms for Galaxy

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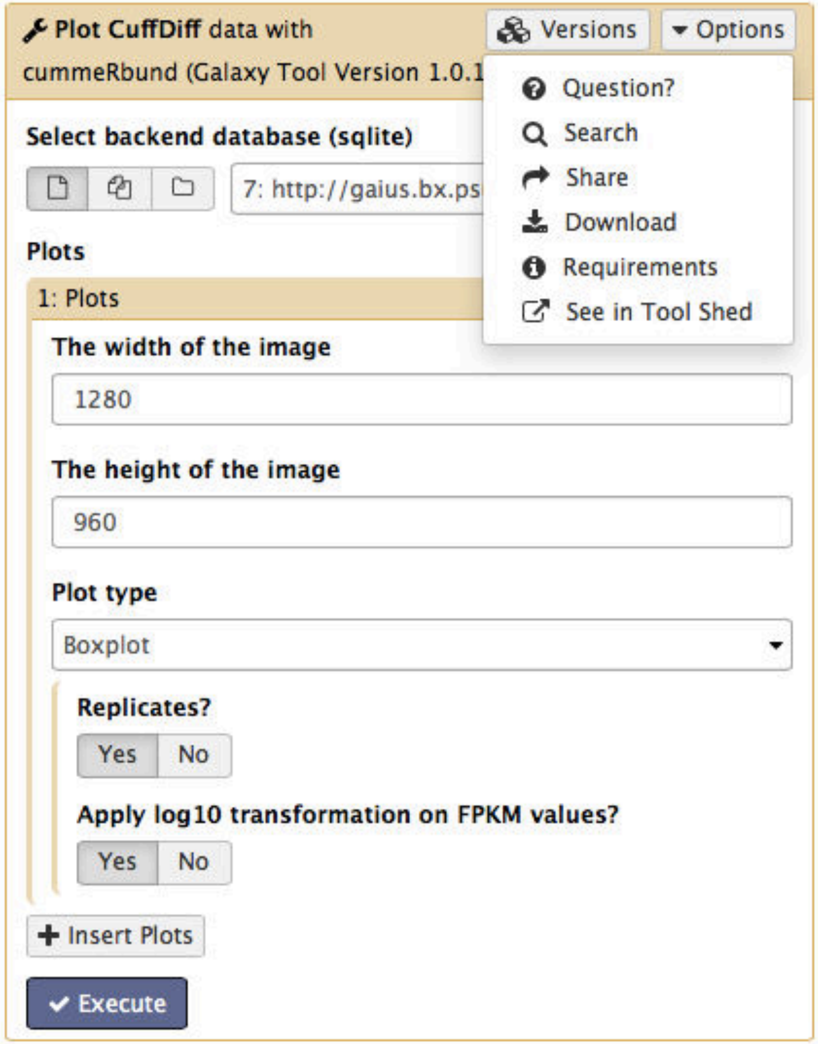
Goal

- New input elements
- Unified design patterns
- Instant validation
- Instant form update
- Improved reliability on job submission

New Galaxy Tool Form



Plot CuffDiff data with cummeRbund (Galaxy Tool Version 1.0.1

Select backend database (sqlite)

7: http://gaius.bx.ps

Plots

1: Plots

The width of the image

1280

The height of the image

960

Plot type

Boxplot

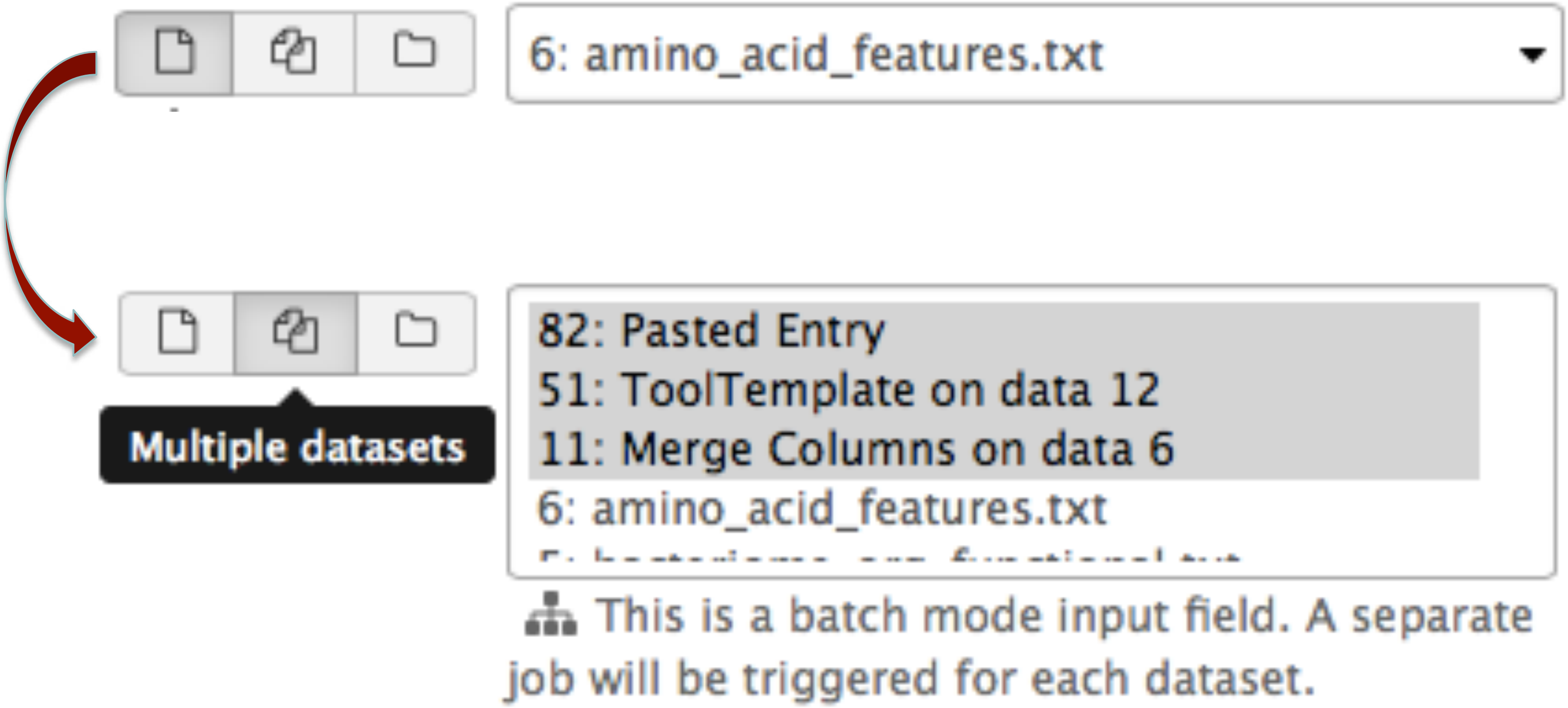
Replicates?

[✓ Yes] No

Apply log10 transformation on FPKM values?

[✓ Yes] No

New Element: Batch Mode submission

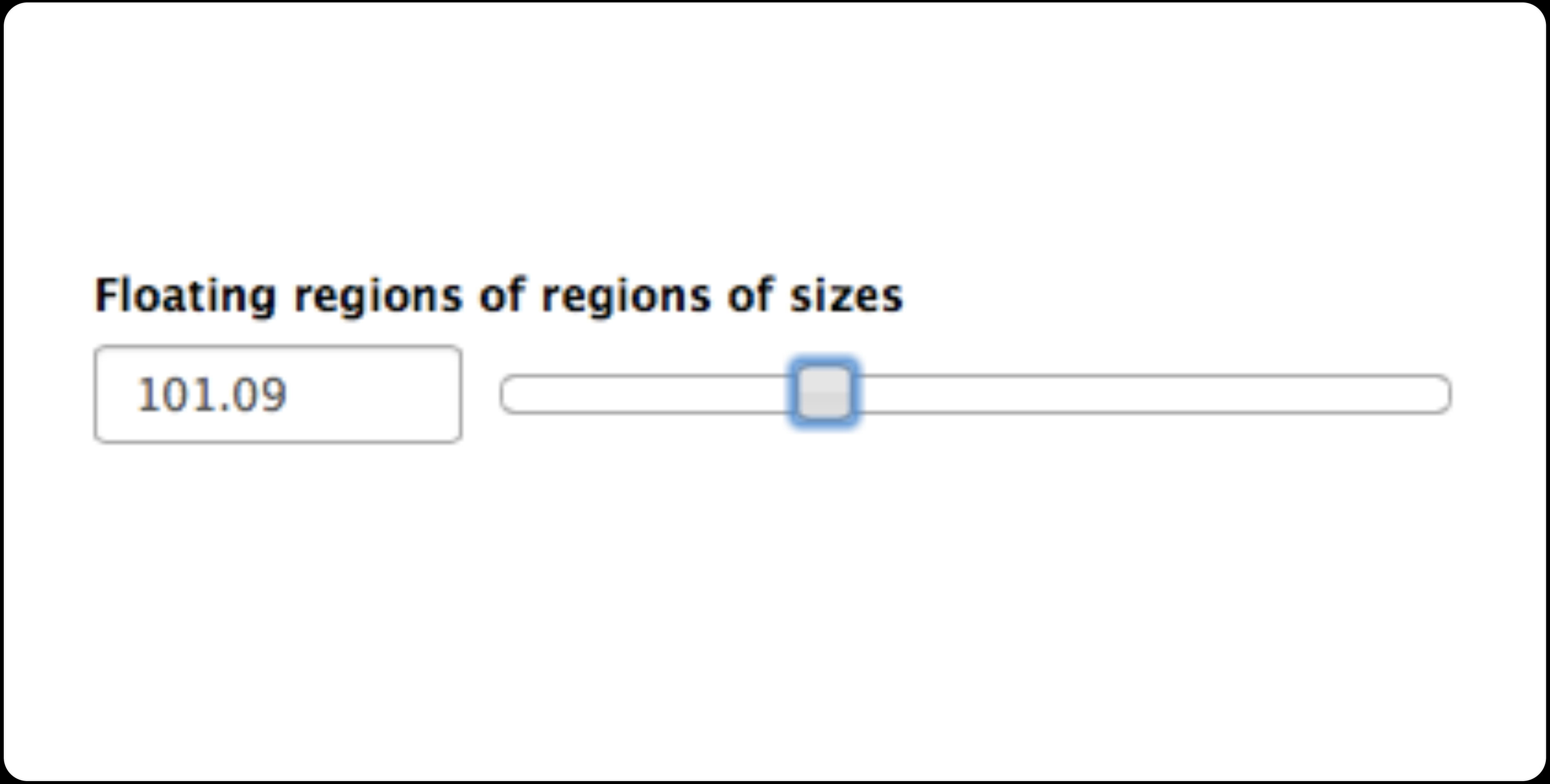


6: amino_acid_features.txt

82: Pasted Entry
51: ToolTemplate on data 12
11: Merge Columns on data 6
6: amino_acid_features.txt

This is a batch mode input field. A separate job will be triggered for each dataset.

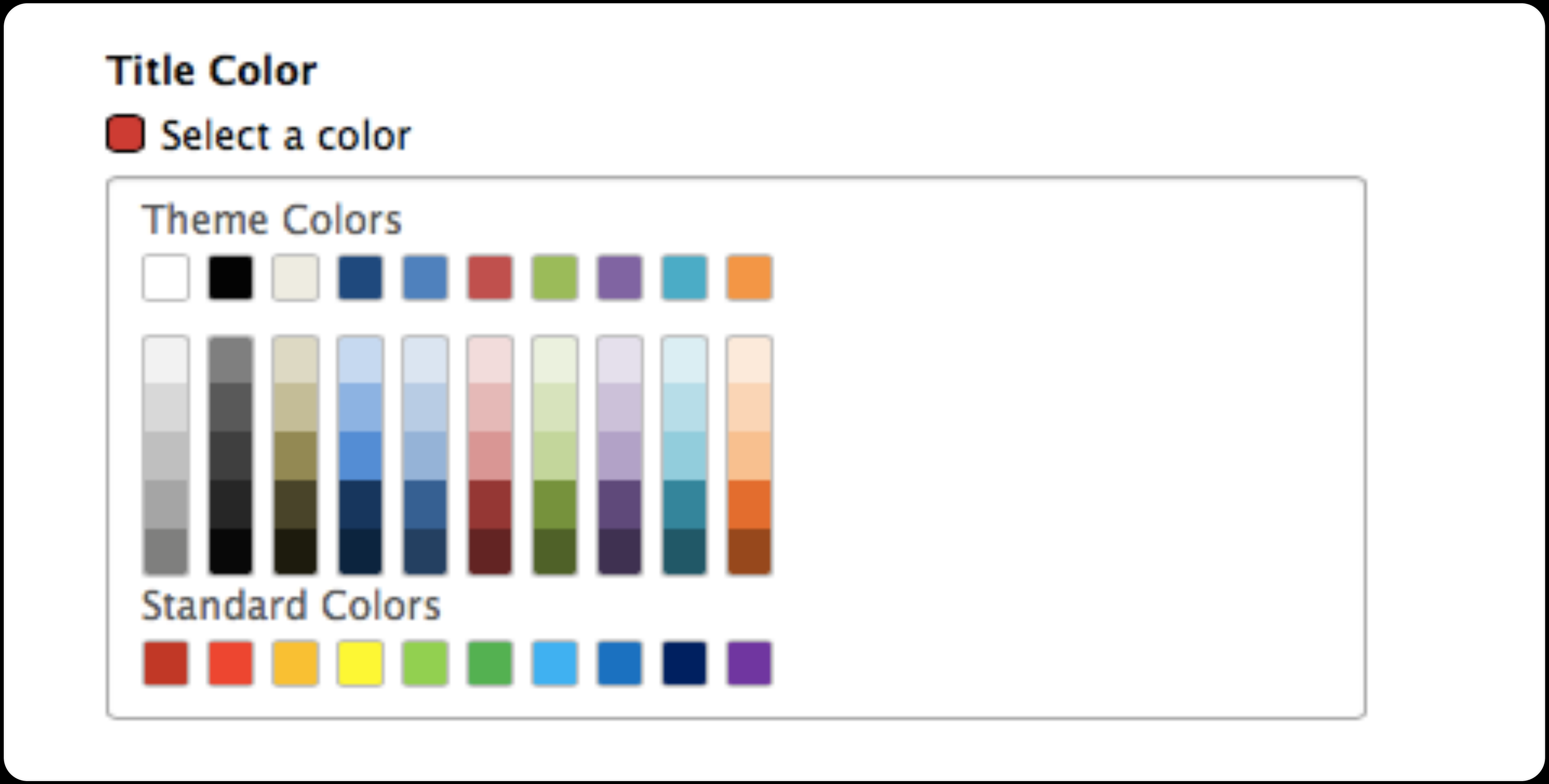
New Element: Slider



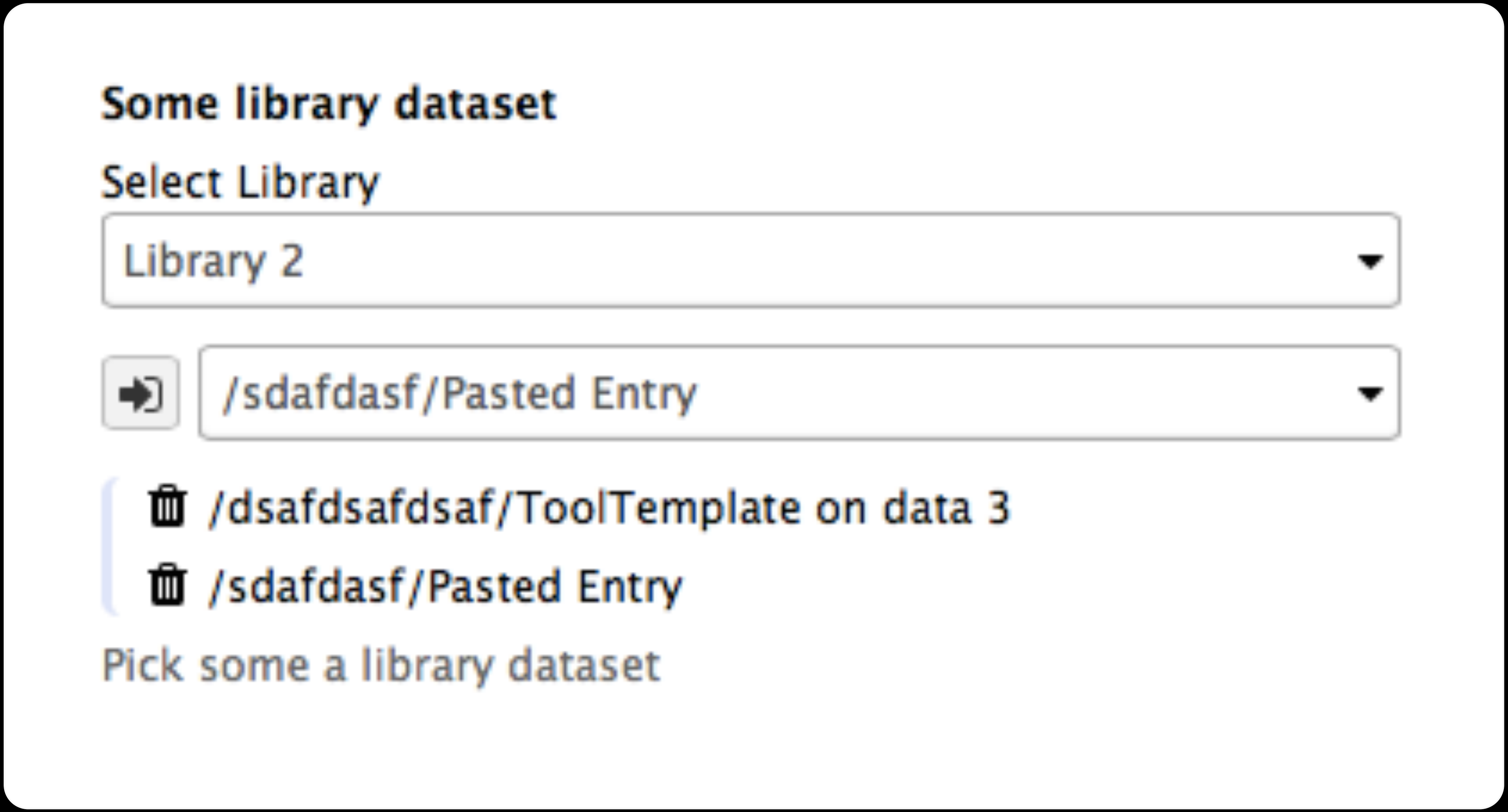
Floating regions of regions of sizes

101.09

New Element: Color Selection



New Element: Data Library Selector



Some library dataset

Select Library

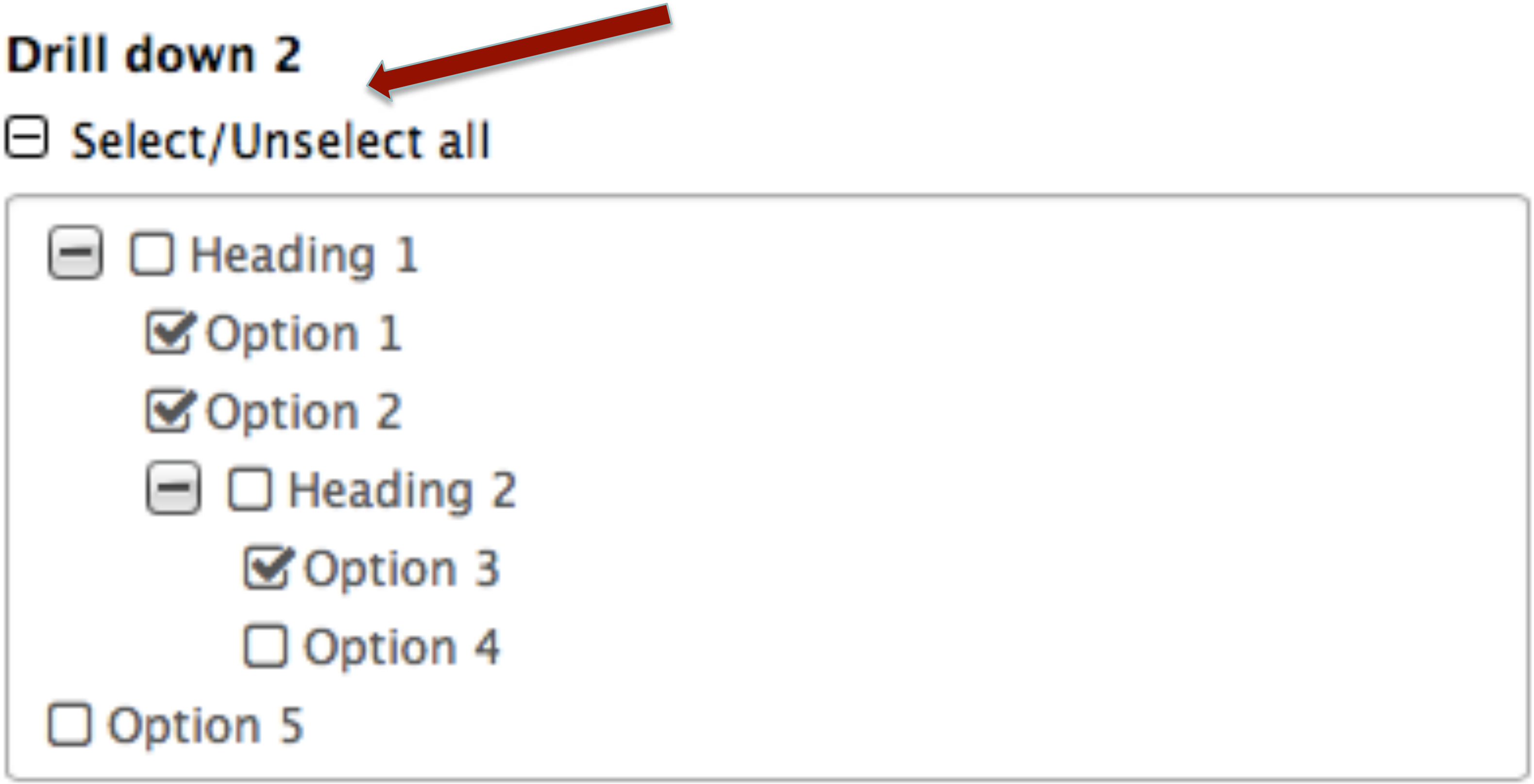
Library 2

/sdafdasf/Pasted Entry

- /dsafdsafdsaf/ToolTemplate on data 3
- /sdafdasf/Pasted Entry

Pick some a library dataset

Unified appearance: Selections

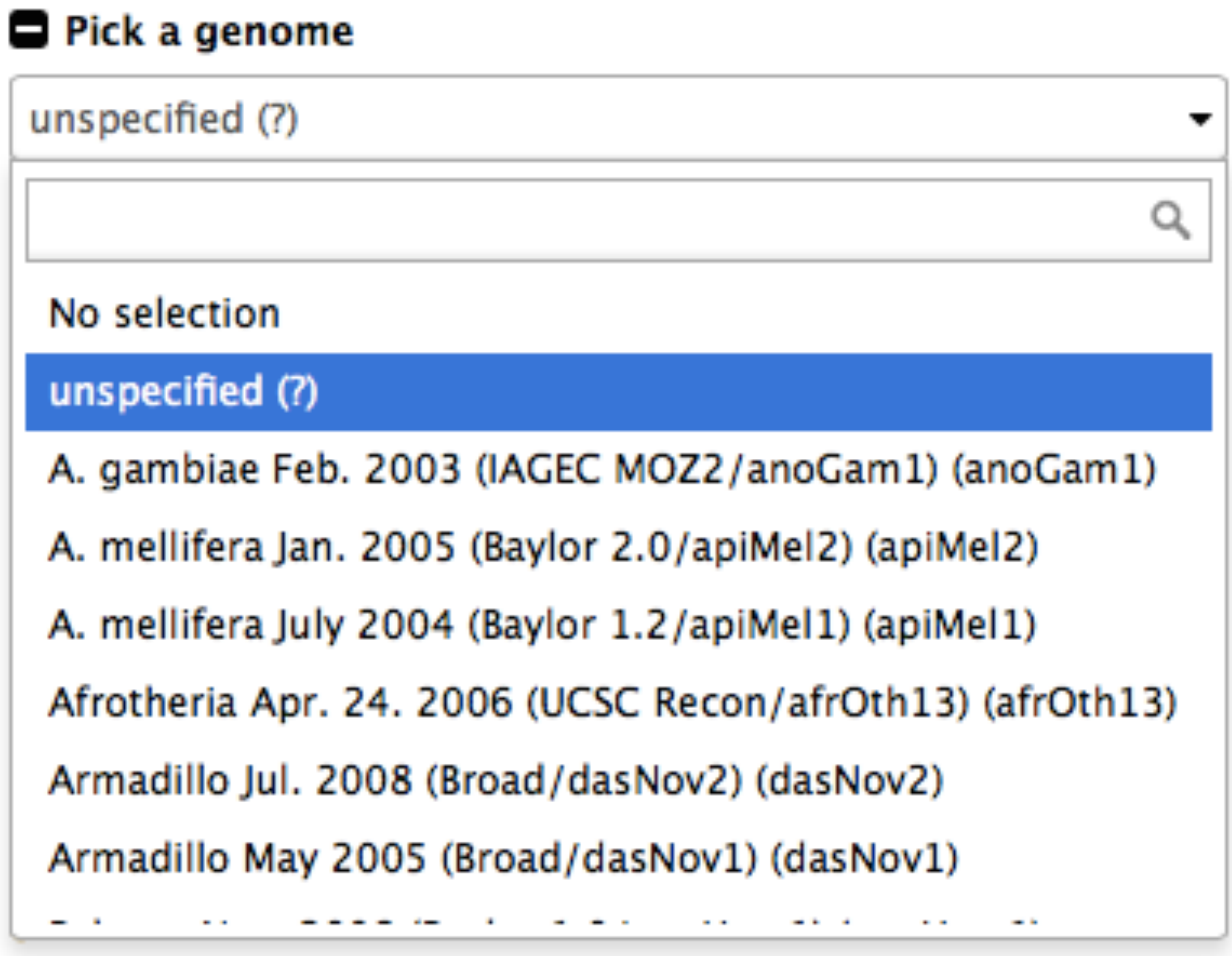


Drill down 2

⊟ Select/Unselect all

- ⊟ ☐ Heading 1
  - ☑ Option 1
  - ☑ Option 2
  - ⊟ ☐ Heading 2
    - ☑ Option 3
    - ☐ Option 4
- ☐ Option 5

Unified appearance: All selections searchable



Pick a genome

unspecified (?)

No selection

unspecified (?)

A. gambiae Feb. 2003 (IAGEC MOZ2/anoGam1) (anoGam1)

A. mellifera Jan. 2005 (Baylor 2.0/apiMel2) (apiMel2)

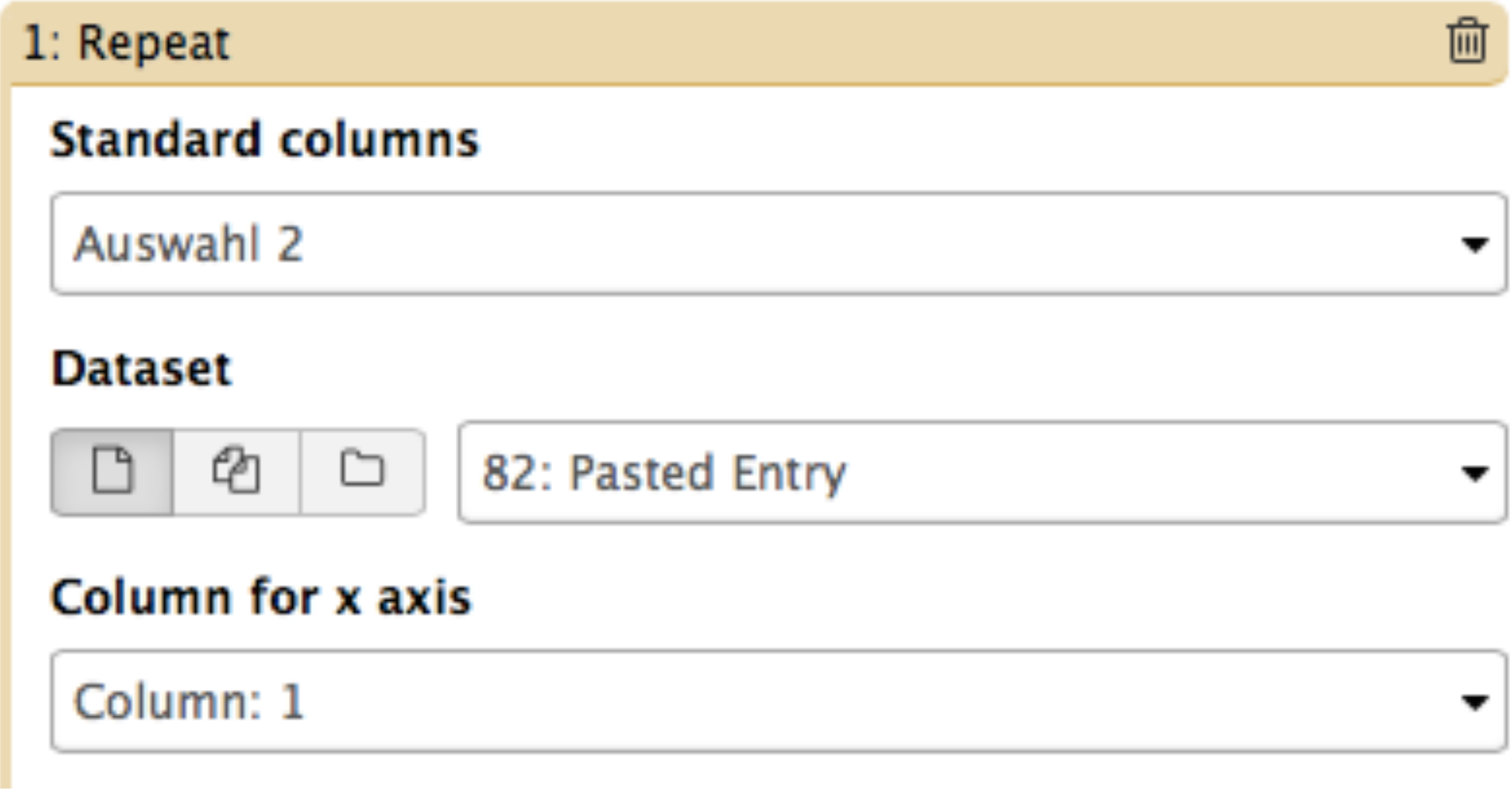
A. mellifera July 2004 (Baylor 1.2/apiMel1) (apiMel1)

Afrotheria Apr. 24. 2006 (UCSC Recon/afrOth13) (afrOth13)

Armadillo Jul. 2008 (Broad/dasNov2) (dasNov2)

Armadillo May 2005 (Broad/dasNov1) (dasNov1)

Unified appearance: Repeat



1: Repeat

Standard columns

Auswahl 2

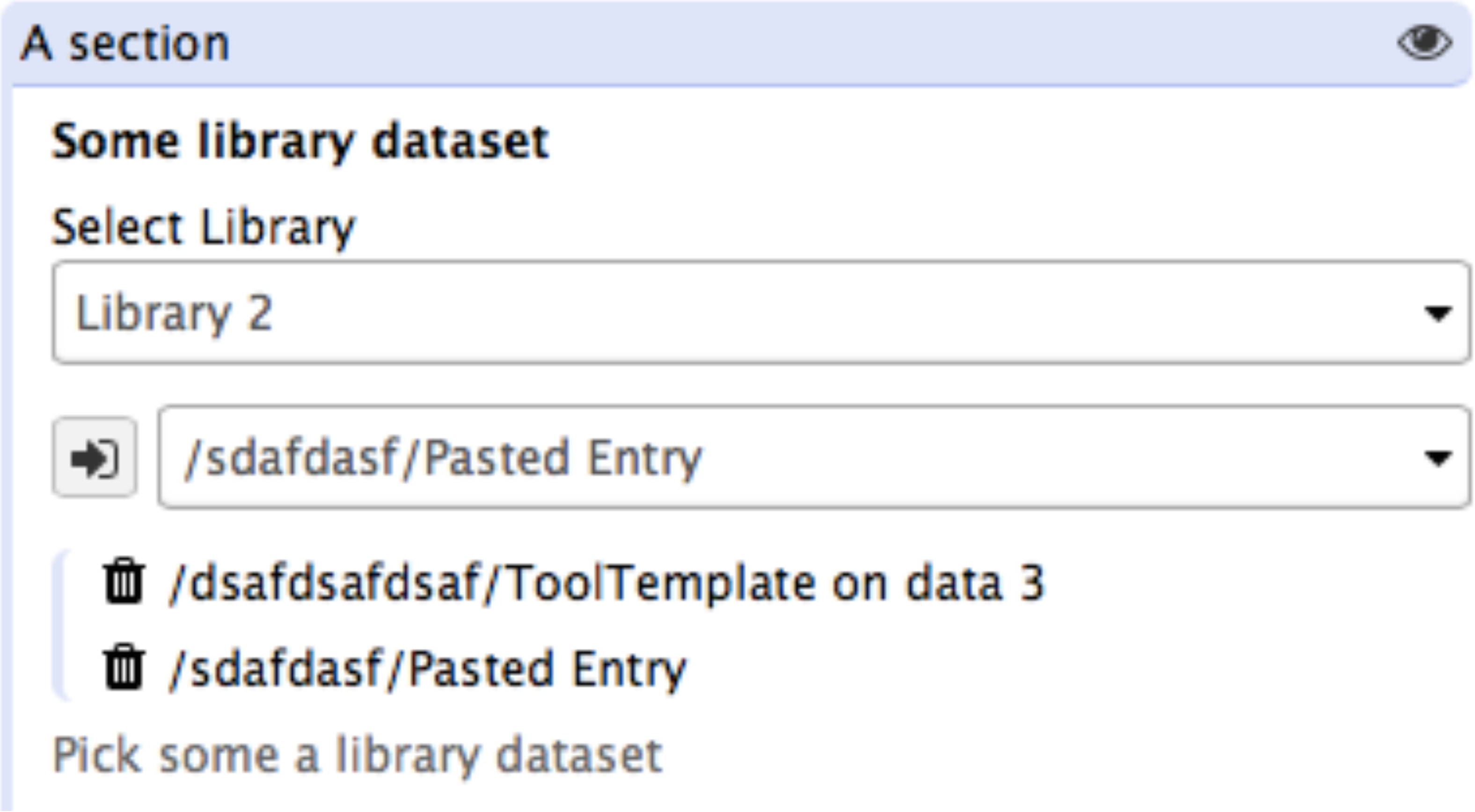
Dataset

82: Pasted Entry

Column for x axis

Column: 1

Unified appearance: Sections



Some library dataset

Select Library

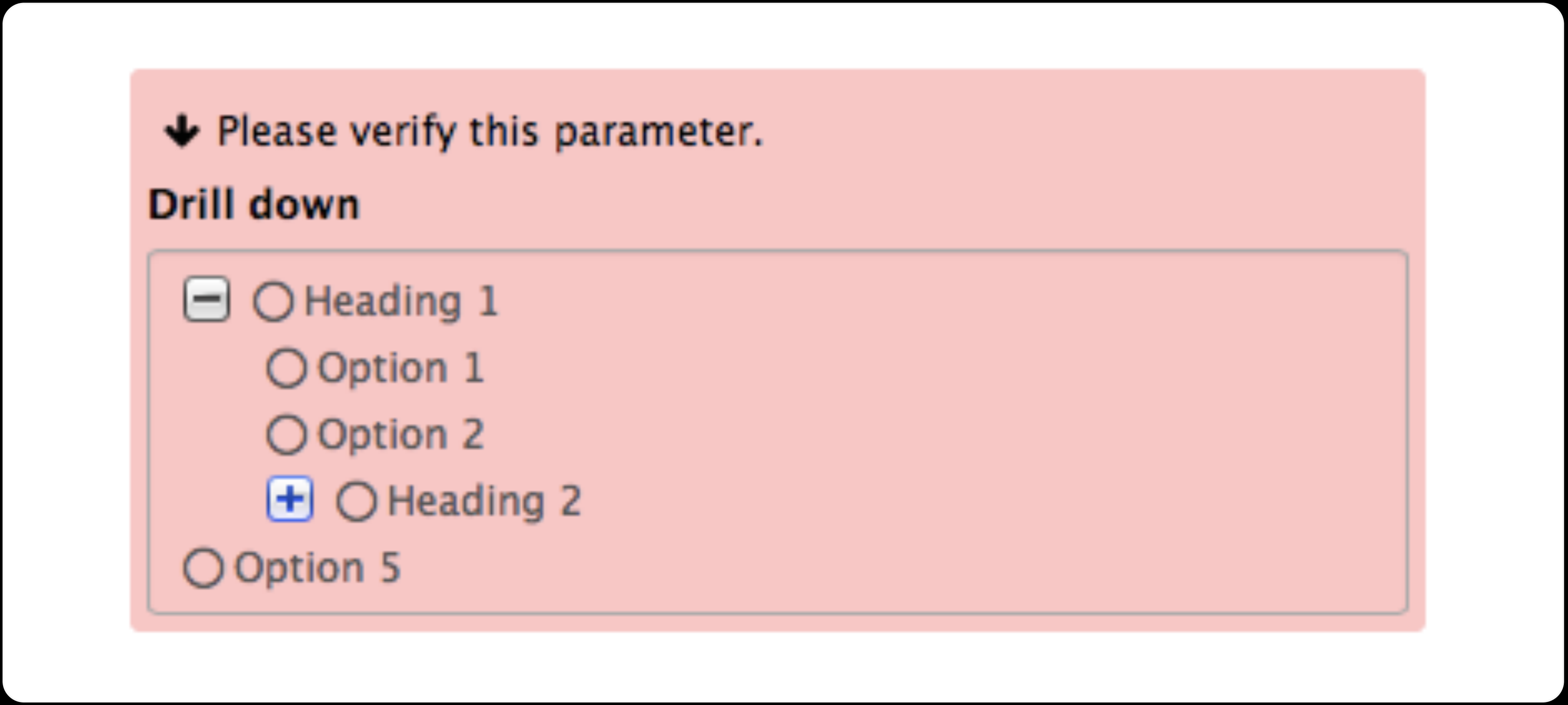
Library 2

/sdafdasf/Pasted Entry

- /dsafdsafdsaf/ToolTemplate on data 3
- /sdafdasf/Pasted Entry

Pick some a library dataset

Improved Error Handling



↓ Please verify this parameter.

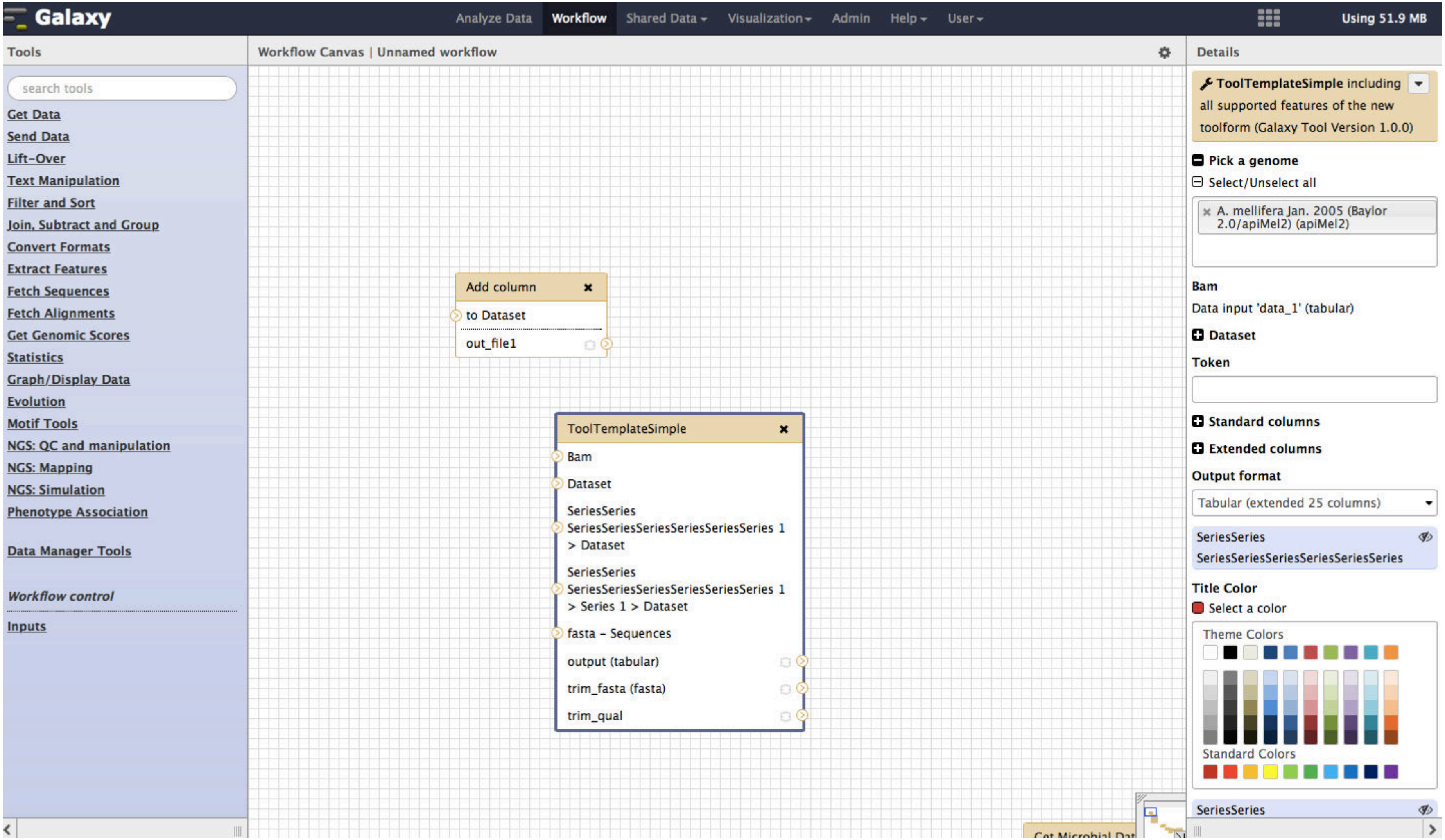
Drill down

⊟ ○ Heading 1
- ○ Option 1
- ○ Option 2
- ⊞ ○ Heading 2

○ Option 5

- Instantly scrolls to the corresponding input element
- Highlights the error

Upcoming: New Workflow Tool Form



ToolTemplateSimple including all supported features of the new toolform (Galaxy Tool Version 1.0.0)

Pick a genome

Select/Unselect all

× A. mellifera Jan. 2005 (Baylor 2.0/apiMel2) (apiMel2)

Bam

Data input 'data_1' (tabular)

Dataset

Token

Standard columns

Extended columns

Output format

Tabular (extended 25 columns)

SeriesSeries SeriesSeriesSeriesSeriesSeriesSeries

Title Color

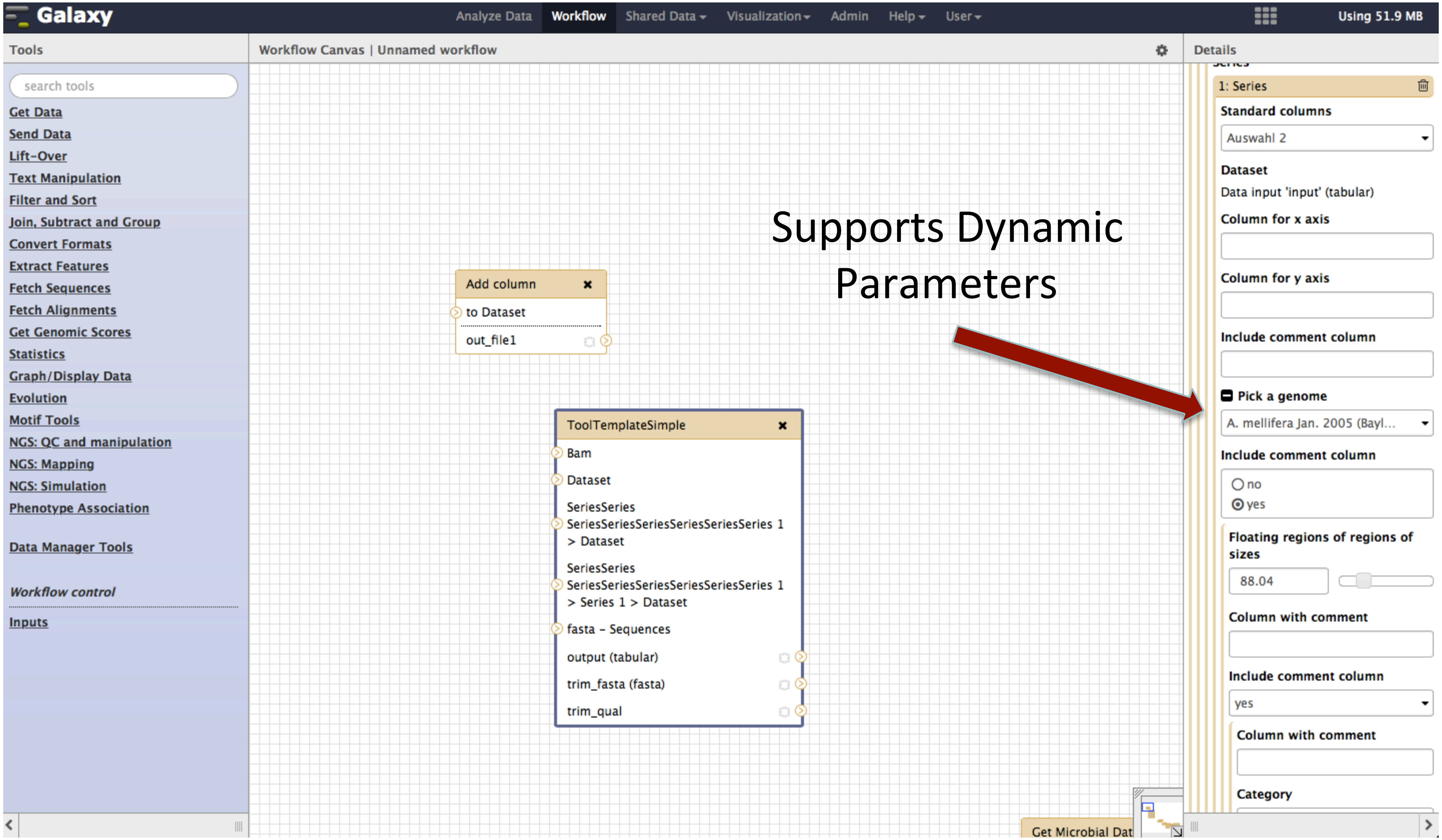
Select a color

Theme Colors

Standard Colors

SeriesSeries

Upcoming: New Workflow Tool Form



1: Series

Standard columns: Auswahl 2

Dataset: Data input 'input' (tabular)

Column for x axis:

Column for y axis:

Include comment column:

Pick a genome: A. mellifera Jan. 2005 (Bayl...

Include comment column: ○ no ● yes

Floating regions of regions of sizes: 88.04

Column with comment:

Include comment column: yes

Column with comment:

Category

Supports Dynamic Parameters

Thank you for your attention.