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)

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

+ Insert Plots

.Execute
New Element: Batch Mode submission

Multiple datasets

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

Title Color
Select a color

Theme Colors

Standard Colors
New Element: Data Library Selector

Some library dataset

Select Library

Library 2

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

- 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

A section

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

- Instantly scrolls to the corresponding input element
- Highlights the error
Upcoming: New Workflow Tool Form
Upcoming: New Workflow Tool Form

Supports Dynamic Parameters
Thank you for your attention.