## Last Jbrowse release: 1.2.1

- In March
- UCSC import
- Touch (Juan Aguilar)


## Since then...

- Mitch
- Startup
- Lincoln Stein lab
- Adam Wright
- Natalie Fox
- Ian Holmes lab
- Stephen Cummings
- Suzi Lewis's group at LBL
- WebApollo


## TEDx Boston talk by Richard Resnick



## Mitch

- Counsyl
- Worked on JBrowse there (open source)
- JSON format cleanup
- Python implementation of server-side code
- Callbacks


## Adam Wright

- Lincoln's co-op student
- Gbrowse->JBrowse migration work


## Natalie Fox

- Lincoln's co-op student, took over from Adam
- Track hierarchy
- Faceted track browsing
- Overview track
- Popup menu
- Track customization
- Elastic Drag Zoom


## Track Hierarchy

Enter text to search track list:
clear search
Available Tracks:
(Drag $\longrightarrow$ to view)
reset list order
Favourites
SequenceTrack
General
Conservation
$\square$ Gene Model features
Gene Span
mRNA
$\pm$ Genomic reagents and data
$\square$ Genomic features
Cytological band
Natural transposon
Transgene insertion site

+ Mapped features
$\pm$ Prediction features
$\pm$ Similarity: Synteny features

| Q Cytological band |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | band-34B2 | band-34B4 |  |
| band-34All |  | band-34B3 |  | band |
|  | band-34B |  |  |  |
|  | band-34B1 |  |  |  |

© Tiling BAC


## Faceted Track Browsing




22 (missing

## Overview Track



## Popup menu



## Track Customization



## Elastic Drag Zoom: overview



## Elastic Drag Zoom: display area



## Stephen Cummings

- Documentation work:
- http://gmod.org/wiki/JBrowseDev/Current


## "WebApollo"

- Facilitate collaborative annotation
- Make it easier for annotators to participate
- Facilitate annotation sharing/integration
- (real time!)
- Demo
- http://icebox.Ibl.gov:8080/ApolloWeb/login.jsp
- login as username: "write_1"
- password: "write_1"


## JBrowse update

## Mitch Skinner

## EPFL BBCF

http://svitsrv25.epfl.ch/BED/jbrowse/

## Coordination

- Some people are starting to do similar things in different places
- Useful parallel exploration of solution space, or duplication of effort?

JBrowse conference call
Third Monday of the month
2pm Pacific
Next one is Oct $17^{\text {th }}$

## Mitch: post-startup

- Took some time off
- Now working part-time (40\%) with Suzi Lewis's group on Web Apollo
- Interested in working with more groups
mitch@arctur.us


## People

- Ian Holmes lab (Berkeley)
- Stephen Cummings
- Oscar Westesson
- Lincoln Stein group (OICR)
- Natalie Fox
- Adam Wright
- BBOP (Suzi Lewis's group)
- Gregg Helt
- Ed Lee
- Nomi Harris
- BBCF (EPFL)
- Yohan Jarosz
- Lucas Sinclair

