Survey of Interaction Browsers

faga@cshl.edu
Goal

Find a viewer to display simple interactions stored in Chado.
Interaction Browsers and Technology

- Graphbrowse
- BIND Interaction Viewer
- Cytoscape
- iBrowse
- BioGraphNet

faga@cshl.edu
Graphbrowse

- Stan Letovsky
- Simple Node-Edge browser
- Perl CGI
- Already in GMOD
- Customized to read from Chado
- Not quite mature and not currently being developed

faga@cshl.edu
BIND Interaction Viewer

- BIND
- Complex reaction viewer
- Java applet
- more complex than required

faga@cshl.edu
Cytoscape

- Node-Edge interactions
- Java application
- Mature and supported
- Reads from flat files (SIF,GML formats)
- Chado to SIF and GML?

faga@cshl.edu
iBrowse

- Kris Gunsalus, NYU
- Java Applet
- Currently under development
- Output cytoscape compatible files
- Chado Adaptor
- BioGraphNet support

faga@cshl.edu
BioGraphNet

- Frank Gibbons, Harvard
- Distribution system for sharing simple interaction data
- Uses BioMOBY technology
- Easily shares simple interactions
- In talks with iBrowse developers

faga@cshl.edu
Thank You

Contact: faga@cshl.edu