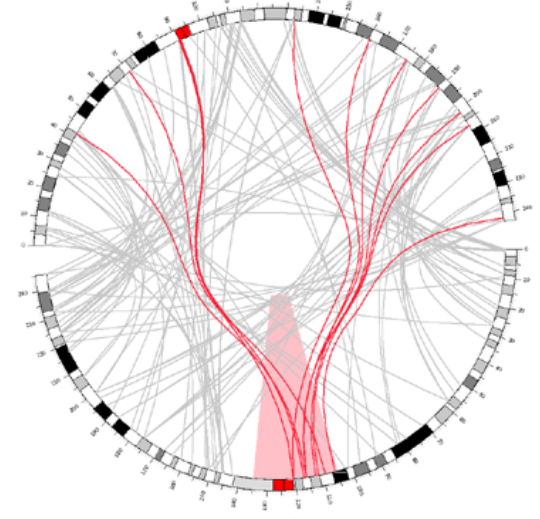
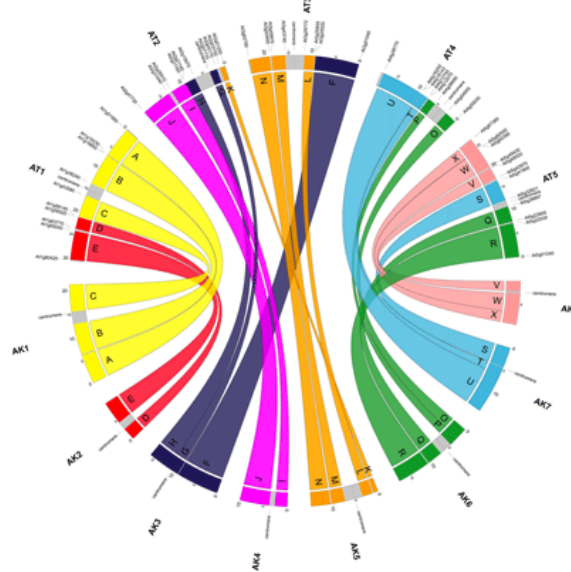
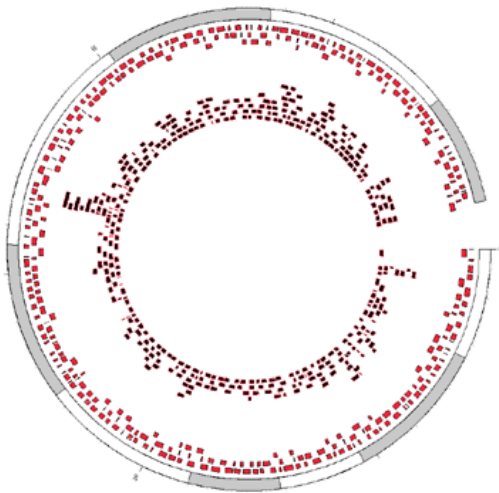
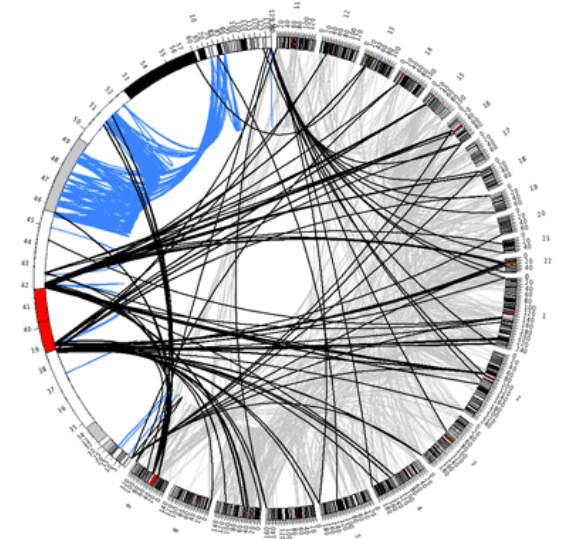
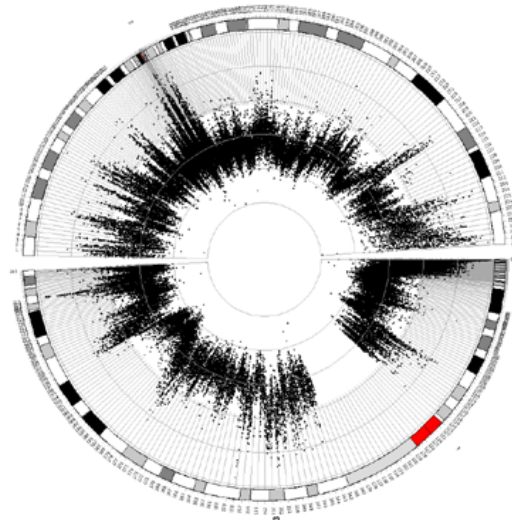
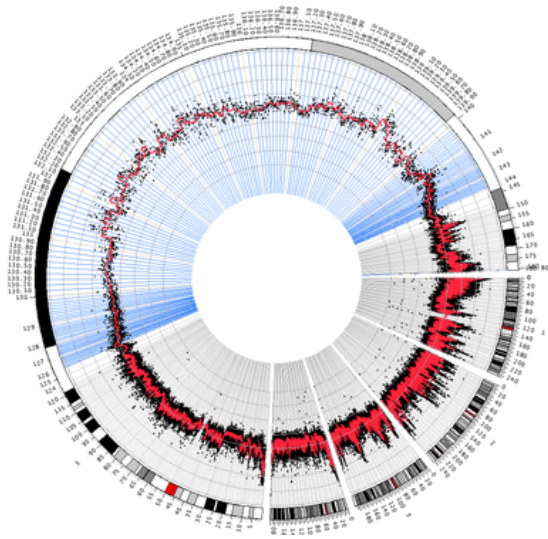
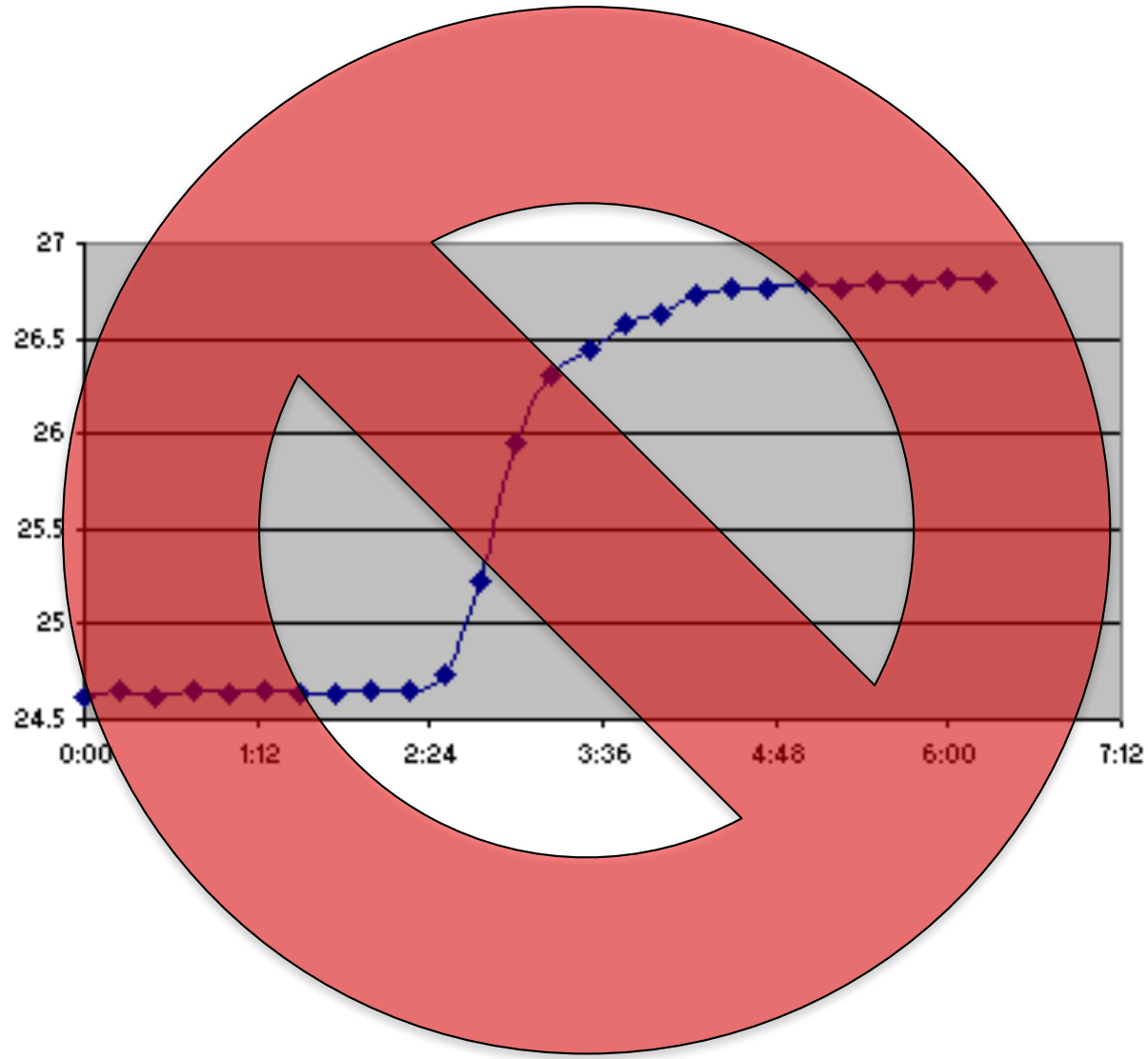


Data Visualization



Data Visualization



Data Visualization

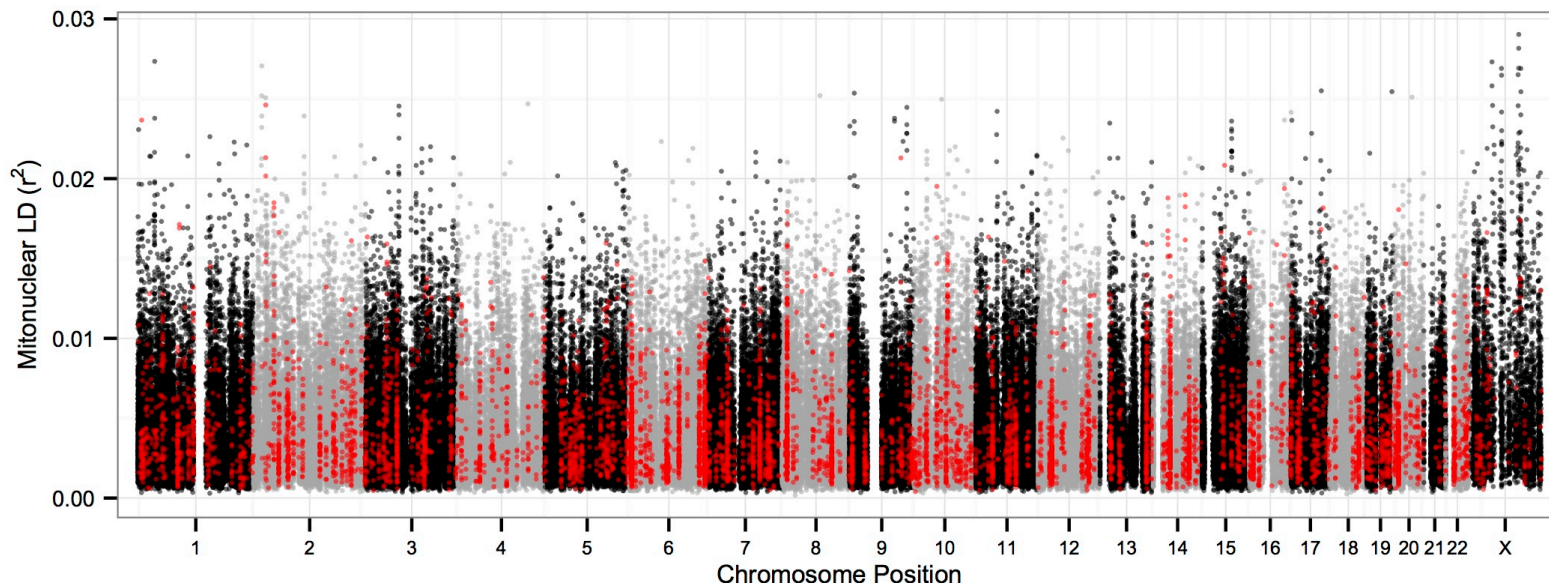
Quality Figures for Papers and Presentations

- Clear and accurate representation of your data
- Clean, professional, and aesthetically pleasing appearance
- Efficient, reproducible, and automated

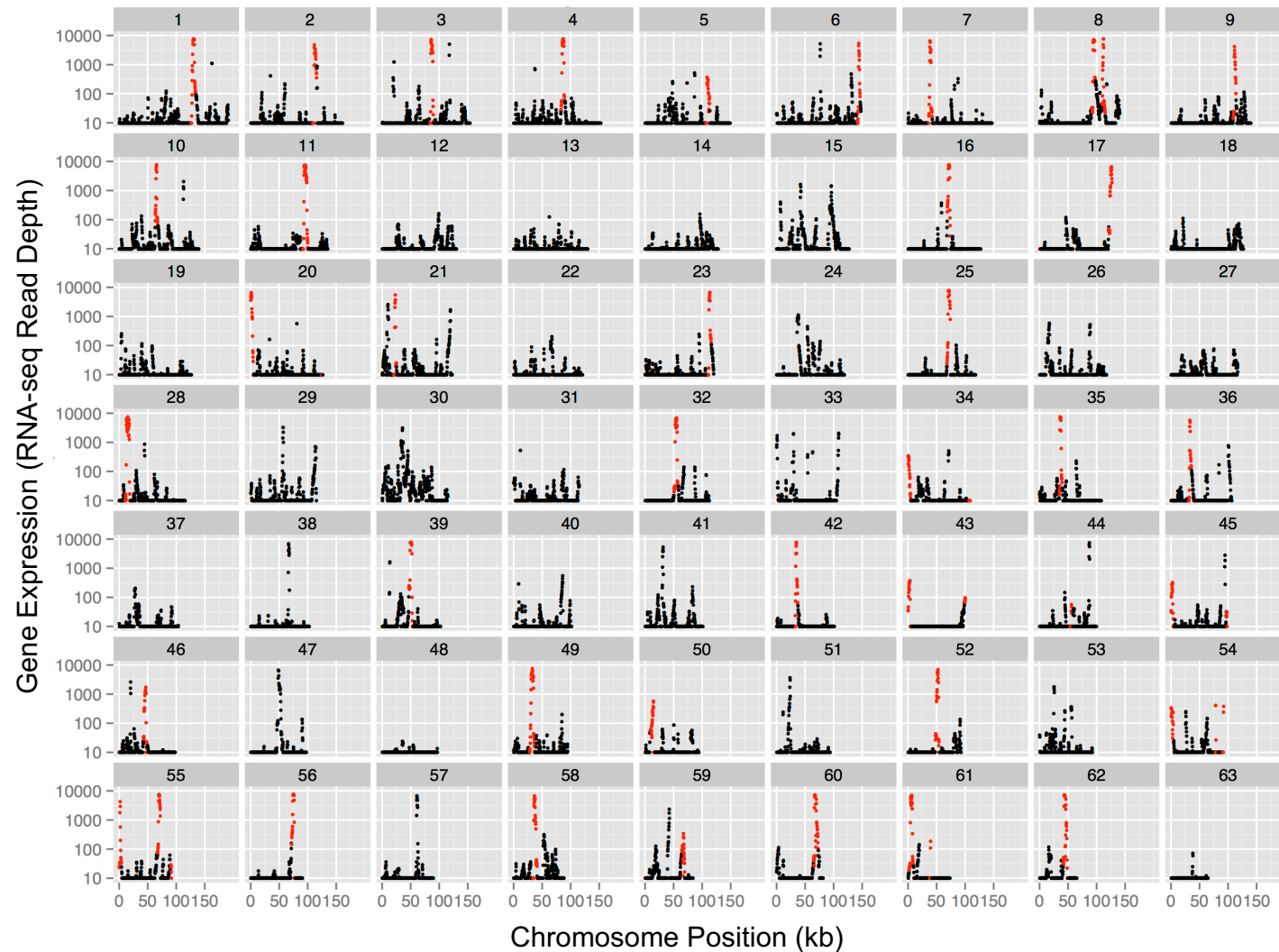
Data Visualization

Writing Code to Generate Figures

```
ggplot(cnlld) + geom_point(aes(x=CumPos, y=r2, size=0.75, colour=as.factor(ChromPrint),
alpha = 1/8)) + scale_size_identity() + theme_bw(base_size=15) +
scale_color_manual(values=c(rep(c('black', 'dark gray'),11), 'black', 'red')) +
scale_x_continuous(expand = c(0.015, 0.015), labels=c(as.character(1:chrNum), "X"),
breaks=bpMidVec) + theme(plot.margin = unit( c(0.03,0.03,0.03,0.03) , "in" ),
legend.position='none', axis.text.x = element_text(size=6), axis.text.y =
element_text(size=7), axis.title.x = element_text(size=8), axis.title.y =
element_text(size=8)) + xlab('Chromosome Position') +
ylab(expression(paste("Mitonuclear LD (",r^2, ")")))
```

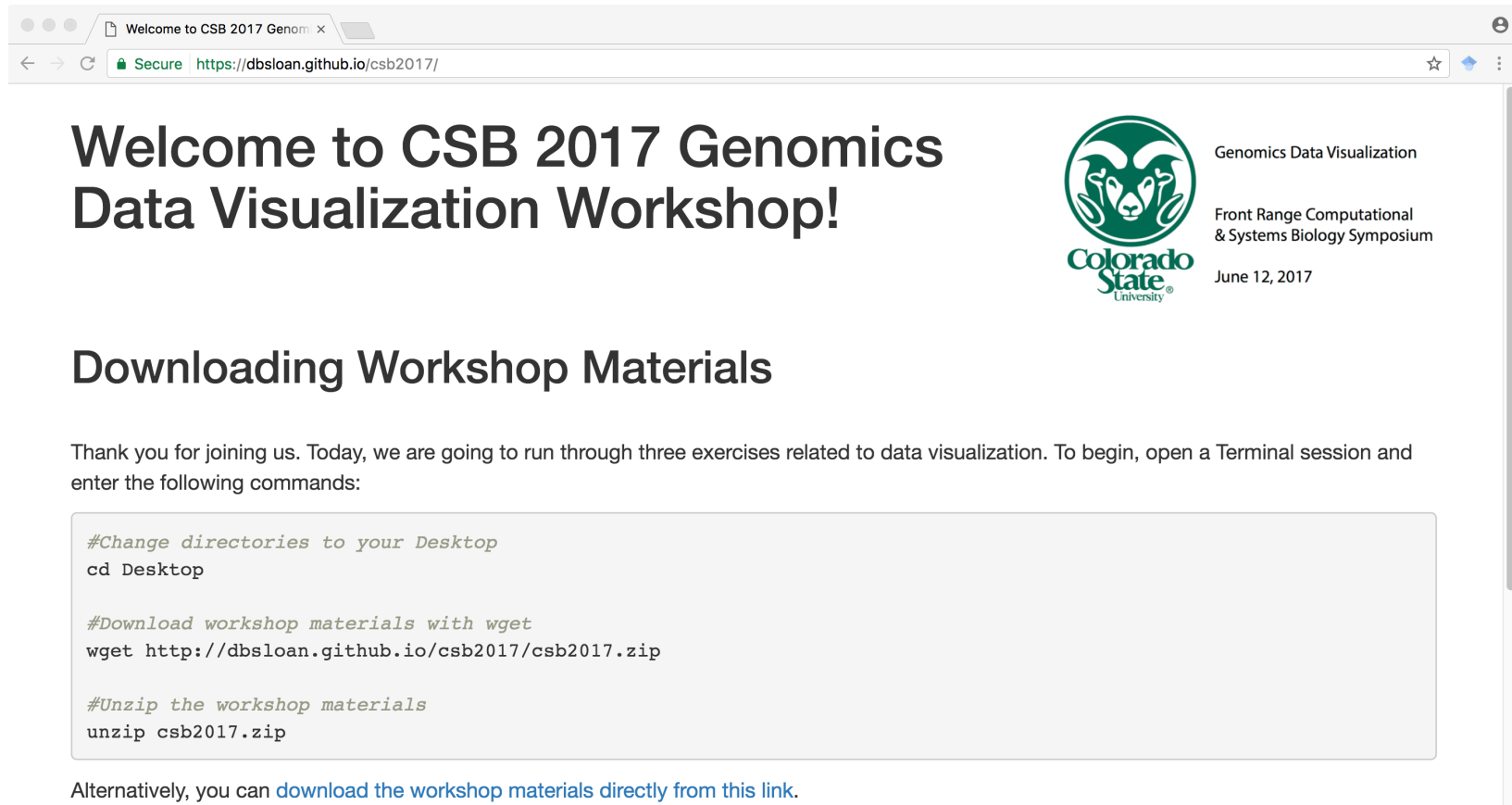


Data Visualization



Data Visualization

<https://dbsloan.github.io/csb2017/>



The screenshot shows a web browser window with the following content:

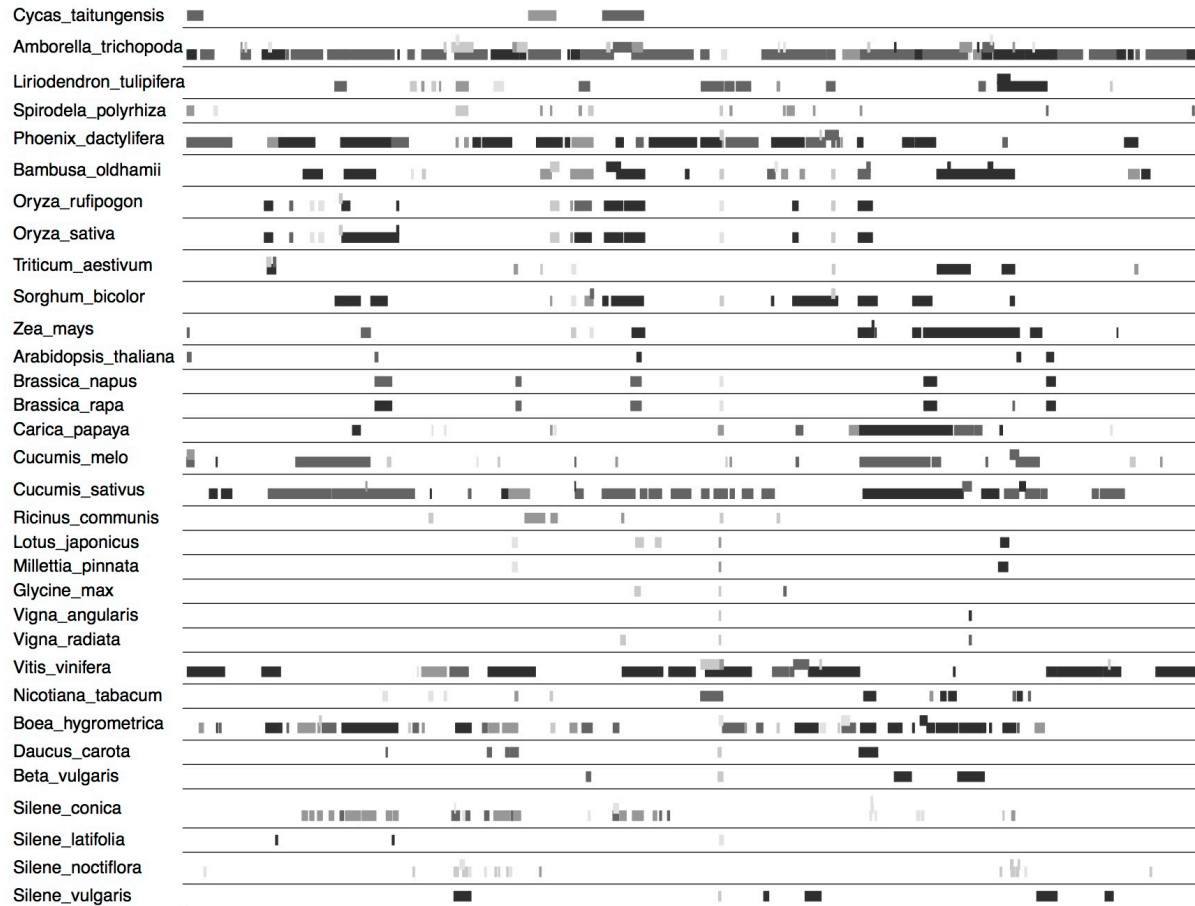
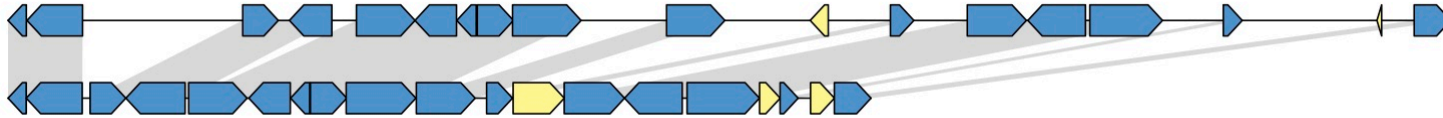
- Header:** "Welcome to CSB 2017 Genomics Data Visualization Workshop!"
- Logo:** Colorado State University logo (a green ram head).
- Text:** "Genomics Data Visualization", "Front Range Computational & Systems Biology Symposium", "June 12, 2017".
- Section:** "Downloading Workshop Materials"
- Text:** "Thank you for joining us. Today, we are going to run through three exercises related to data visualization. To begin, open a Terminal session and enter the following commands:"
- Code Block:**

```
#Change directories to your Desktop
cd Desktop

#Download workshop materials with wget
wget http://dbsloan.github.io/csb2017/csb2017.zip

#Unzip the workshop materials
unzip csb2017.zip
```
- Text:** "Alternatively, you can [download the workshop materials directly from this link.](#)"

Data Visualization



Data Visualization



<https://processing.org/>

Data Visualization

