

# Binf Project Plots

*Me*

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```
library("readr", lib.loc=~ /R/win-library/3.4")

## Warning: package 'readr' was built under R version 3.4.4
csaw_toplot <- read_delim("C:/Users/Stephen/Desktop/Binf Assignment/Analysis/csaw_toplot.txt", "\t", es

## Parsed with column specification:
## cols(
##   `Peak Width shared` = col_integer(),
##   `Average Cov shared` = col_double(),
##   `Random X` = col_double(),
##   `Average Cov GM shared` = col_double(),
##   `Average Cov MCF shared` = col_double()
## )

csaw_toplot2 <- read_delim("C:/Users/Stephen/Desktop/Binf Assignment/Analysis/csaw_toplot2.txt", "\t", c

## Parsed with column specification:
## cols(
##   `Peak Width specific` = col_integer(),
##   `Average Cov specific` = col_double(),
##   `Average Cov GM specific` = col_double(),
##   `Average Cov MCF specific` = col_double(),
##   `Random X` = col_double()
## )

normr_toplot <- read_delim("C:/Users/Stephen/Desktop/Binf Assignment/Analysis/normr_toplot.txt", "\t", c

## Parsed with column specification:
## cols(
##   `Peak Width shared` = col_integer(),
##   `Average Cov shared` = col_double(),
##   `Average Cov GM shared` = col_double(),
##   `Average Cov MCF shared` = col_double(),
##   `Random X` = col_double()
## )

normr_toplot2 <- read_delim("C:/Users/Stephen/Desktop/Binf Assignment/Analysis/normr_toplot2.txt", "\t"

## Parsed with column specification:
## cols(
##   `Peak Width specific` = col_integer(),
##   `Average Cov specific` = col_double(),
##   `Average Cov GM specific` = col_double(),
##   `Average Cov MCF specific` = col_double(),
##   `Random X` = col_double()
## )
```

## Draw the plots

```
png(file="C:/Users/Stephen/Desktop/Binf Assignment/csaw plots.png", width =3300, height=2888, res=300)

par(mfcol=c(4,2))
par(cex=0.5)
par(cex.lab=2)
par(cex.axis=1.5)
par(mar=c(1,4,1,0), oma=c(1,0,2,1))

plot(csaw_toplot$`Random X`, csaw_toplot$`Peak Width shared`, xlab="", ylab="", pch=1, col='#FF000088',
points(csaw_toplot2$`Random X`, csaw_toplot2$`Peak Width specific`, pch=1, col='#0000FF88')
mtext("csaw Peak Width", side=3, cex=0.75, line=0.25, font=2)

plot(csaw_toplot$`Random X`, csaw_toplot$`Average Cov shared`, xlab="", ylab="", pch=1, col='#FF000088',
points(csaw_toplot2$`Random X`, csaw_toplot2$`Average Cov specific`, pch=1, col='#0000FF88')
mtext("csaw Peak Average Coverage", side=3, cex=0.75, line=0.25, font=2)

plot(csaw_toplot$`Random X`, csaw_toplot$`Average Cov GM shared`, xlab="", ylab="", pch=1, col='#FF000088',
points(csaw_toplot2$`Random X`, csaw_toplot2$`Average Cov GM specific`, pch=1, col='#0000FF88')
mtext("csaw Peak Average Coverage in GM12878 cells", side=3, cex=0.75, line=0.25, font=2)

plot(csaw_toplot$`Random X`, csaw_toplot$`Average Cov MCF shared`, xlab="", ylab="", pch=1, col='#FF000088',
points(csaw_toplot2$`Random X`, csaw_toplot2$`Average Cov MCF specific`, pch=1, col='#0000FF88')
mtext("csaw Peak Average Coverage in MCF-7 cells", side=3, cex=0.75, line=0.25, font=2)

plot(normr_toplot$`Random X`, normr_toplot$`Peak Width shared`, xlab="", ylab="", pch=1, col='#FF000088',
points(normr_toplot2$`Random X`, normr_toplot2$`Peak Width specific`, pch=1, col='#00FF0088')
mtext("normR Peak Width", side=3, cex=0.75, line=0.25, font=2)

plot(normr_toplot$`Random X`, normr_toplot$`Average Cov shared`, xlab="", ylab="", pch=1, col='#FF000088',
points(normr_toplot2$`Random X`, normr_toplot2$`Average Cov specific`, pch=1, col='#00FF0088')
mtext("normR Peak Average Coverage", side=3, cex=0.75, line=0.25, font=2)

plot(normr_toplot$`Random X`, normr_toplot$`Average Cov GM shared`, xlab="", ylab="", pch=1, col='#FF000088',
points(normr_toplot2$`Random X`, normr_toplot2$`Average Cov GM specific`, pch=1, col='#00FF0088')
mtext("normR Peak Average Coverage in GM12878 cells", side=3, cex=0.75, line=0.25, font=2)

plot(normr_toplot$`Random X`, normr_toplot$`Average Cov MCF shared`, xlab="", ylab="", pch=1, col='#FF000088',
points(normr_toplot2$`Random X`, normr_toplot2$`Average Cov MCF specific`, pch=1, col='#00FF0088')
mtext("normR Peak Average Coverage in MCF-7 cells", side=3, cex=0.75, line=0.25, font=2)

dev.off()

## pdf
## 2
```