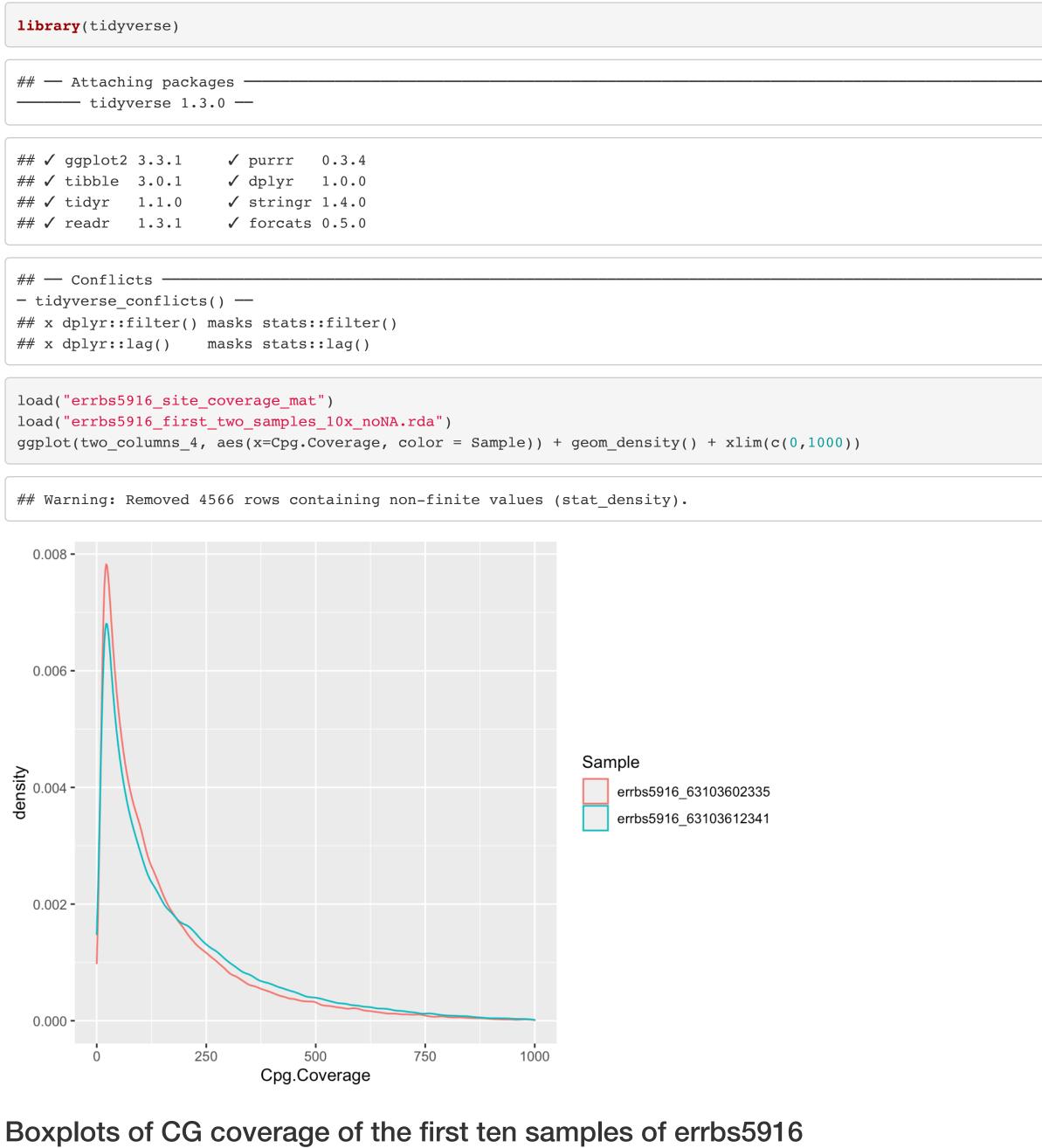
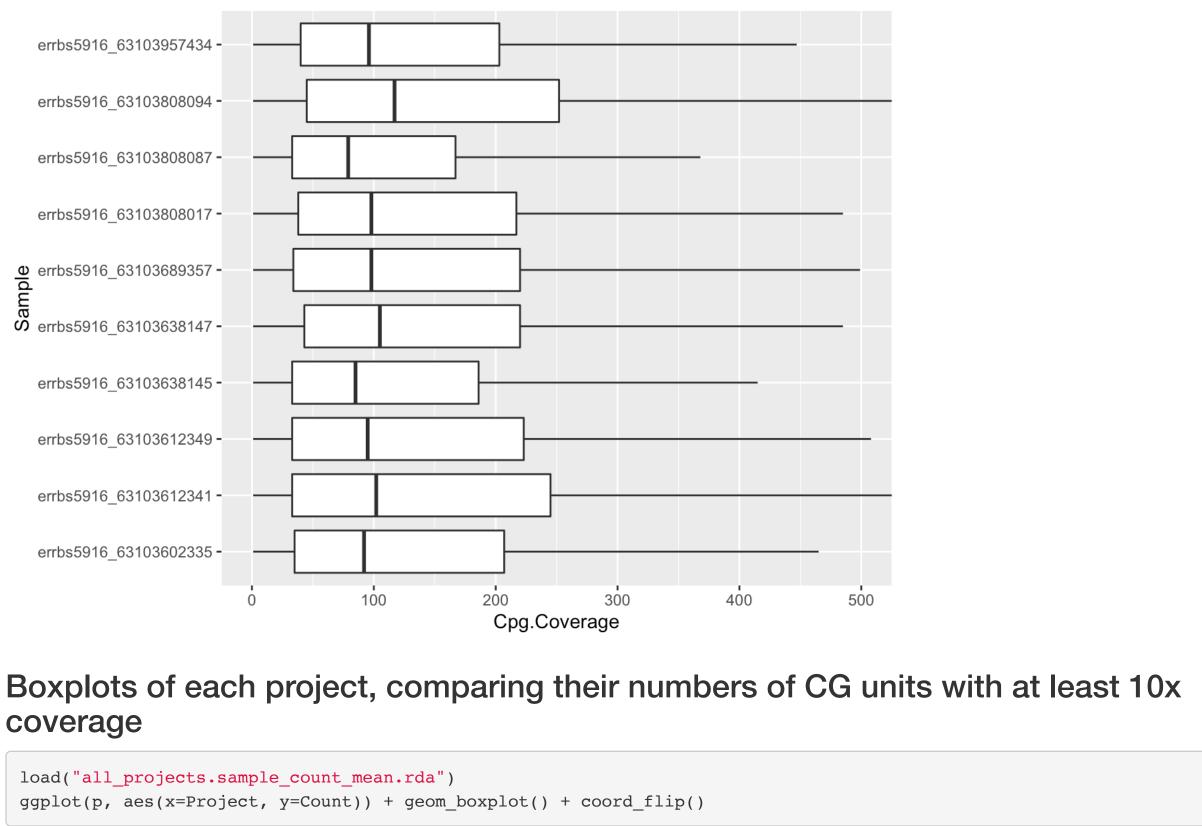
Plots markdown

Paige Lee 7/9/2020

Density plot of CG coverage of the first two samples of errbs5916

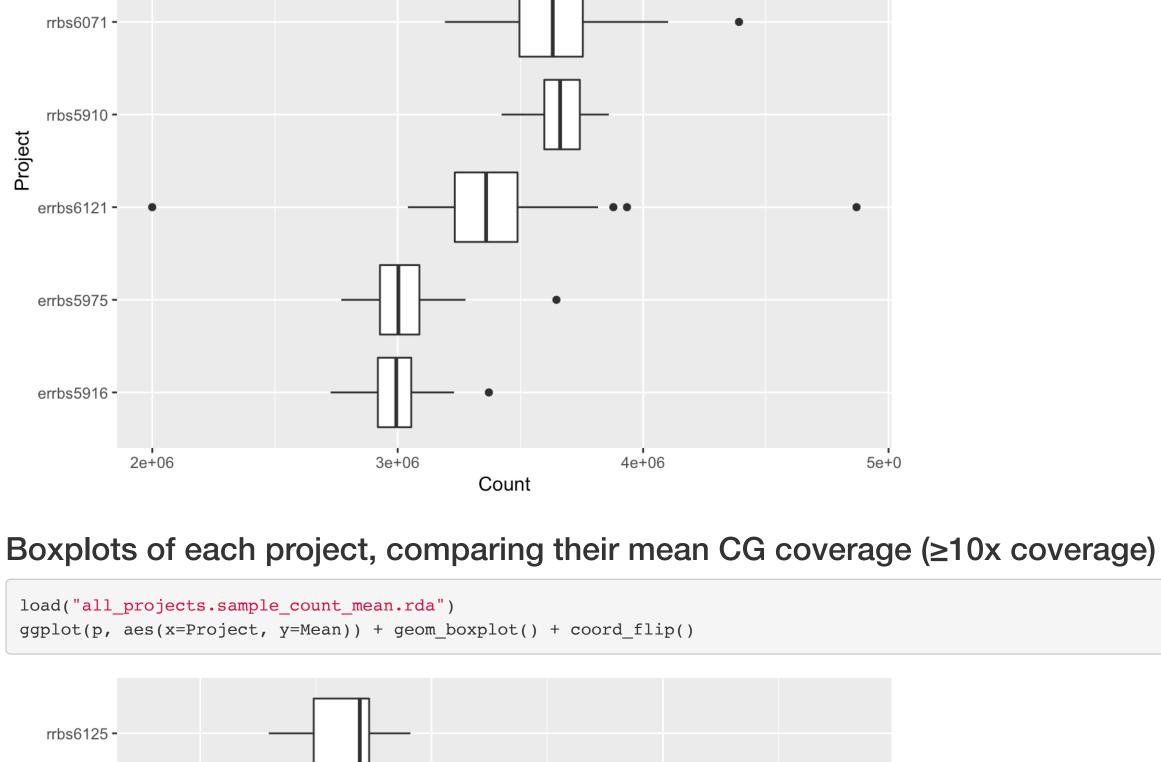


load("errbs5916_first_ten_samples_10x_noNA.rda")

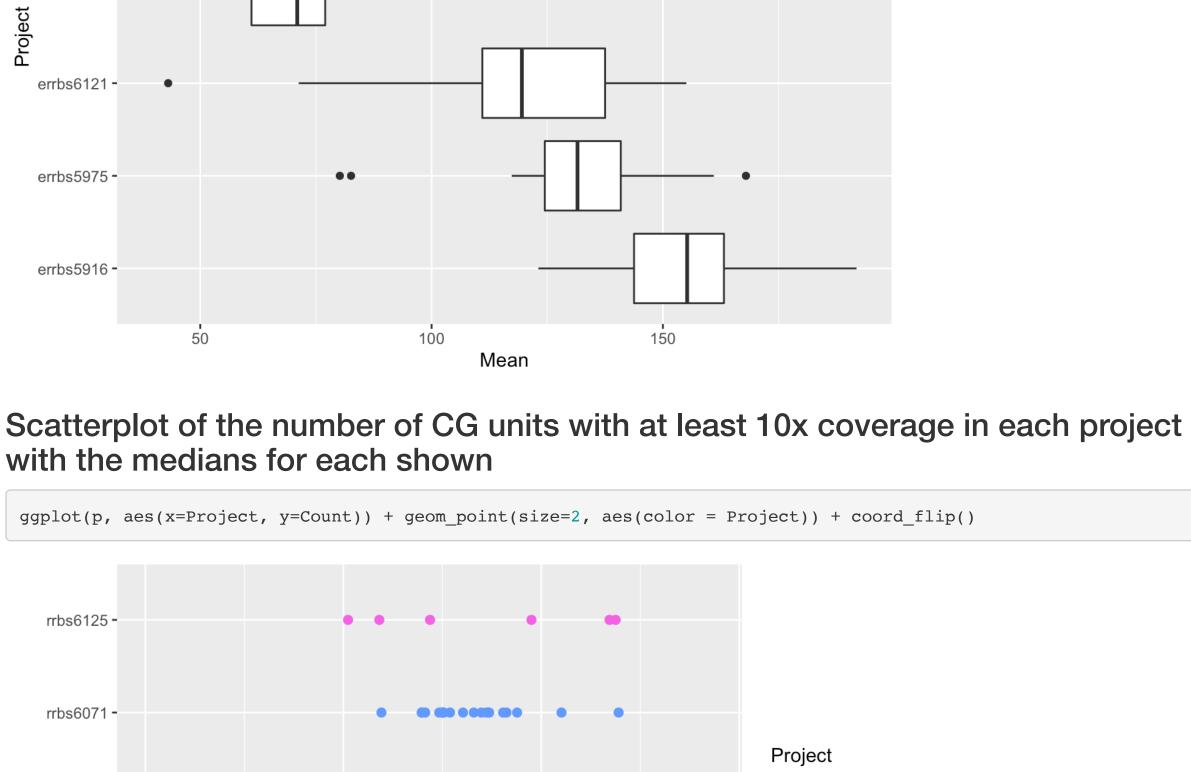


 $ggplot(two_columns, aes(x=Sample, y=Cpg.Coverage)) + geom_boxplot(outlier.size = -1) + coord_flip(ylim = c(0,500))$

rrbs6125 -



errbs5975 -



rrbs6071 -

rrbs5910 -

rrbs5910 -

rrbs6071 -

rrbs5910 -

errbs6121 -

coverage

rrbs6125 -

rrbs6071 -

rrbs5910 -

errbs5975 -

errbs5916 -

coverage

rrbs6071 -

rrbs5910 -

errbs5916 -

errbs5975 -

errbs5916 -

errbs5975 -

errbs5916 -

3e+06

with the medians for each shown

4e+06

5e+06

Count

`stat_bindot()` using `bins = 30`. Pick better value with `binwidth`.

80

Mean

Project

load("all_projects.sample_count_mean_5x.rda")

3e+06

Project

Project rrbs5910 errbs6121 rrbs6071 rrbs6125

errbs5916

errbs5975

errbs6121

Project

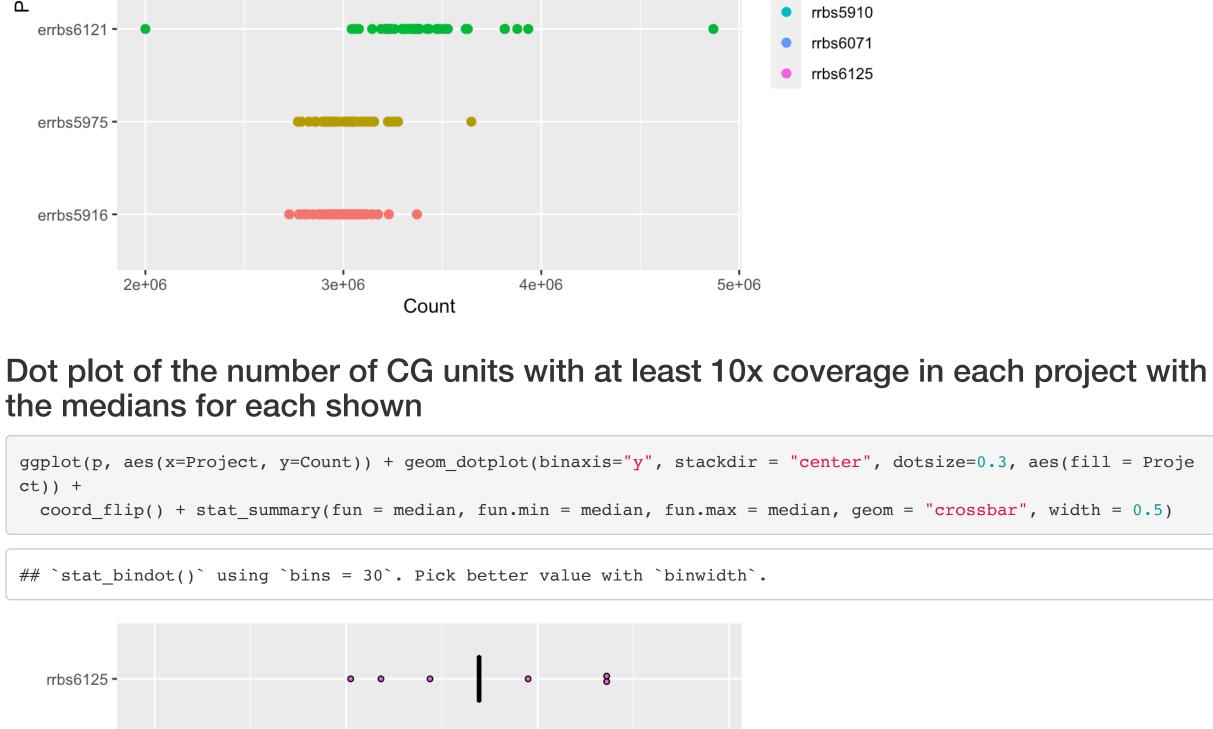
errbs5916

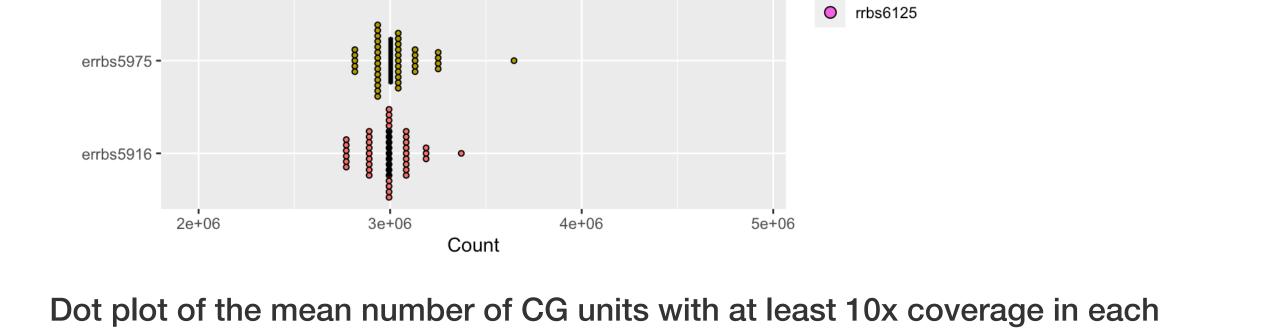
errbs5975

errbs6121

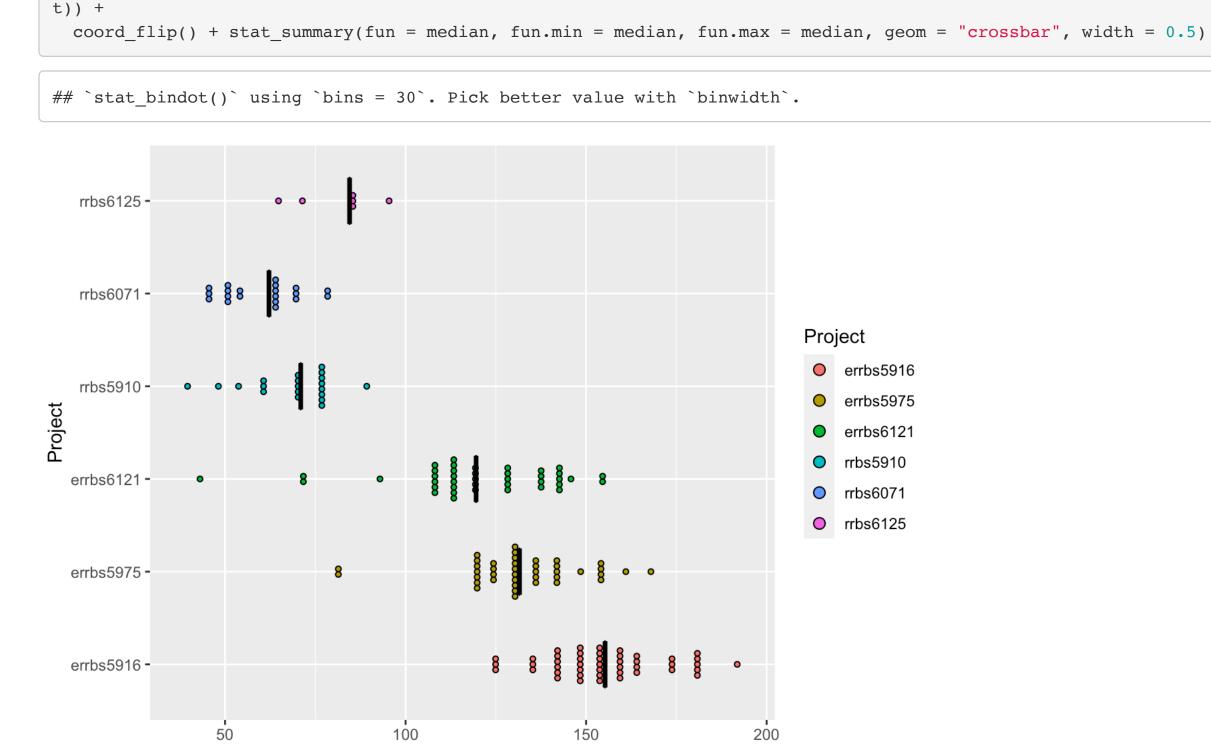
rrbs5910

rrbs6071





ggplot(p, aes(x=Project, y=Mean)) + geom_dotplot(binaxis="y", stackdir = "center", dotsize=0.3, aes(fill = Projec



Mean

ggplot(q, aes(x=Project, y=Count)) + geom_boxplot() + coord_flip()

4e+06

project with the medians for each shown

Project errbs6121 -

5e+06

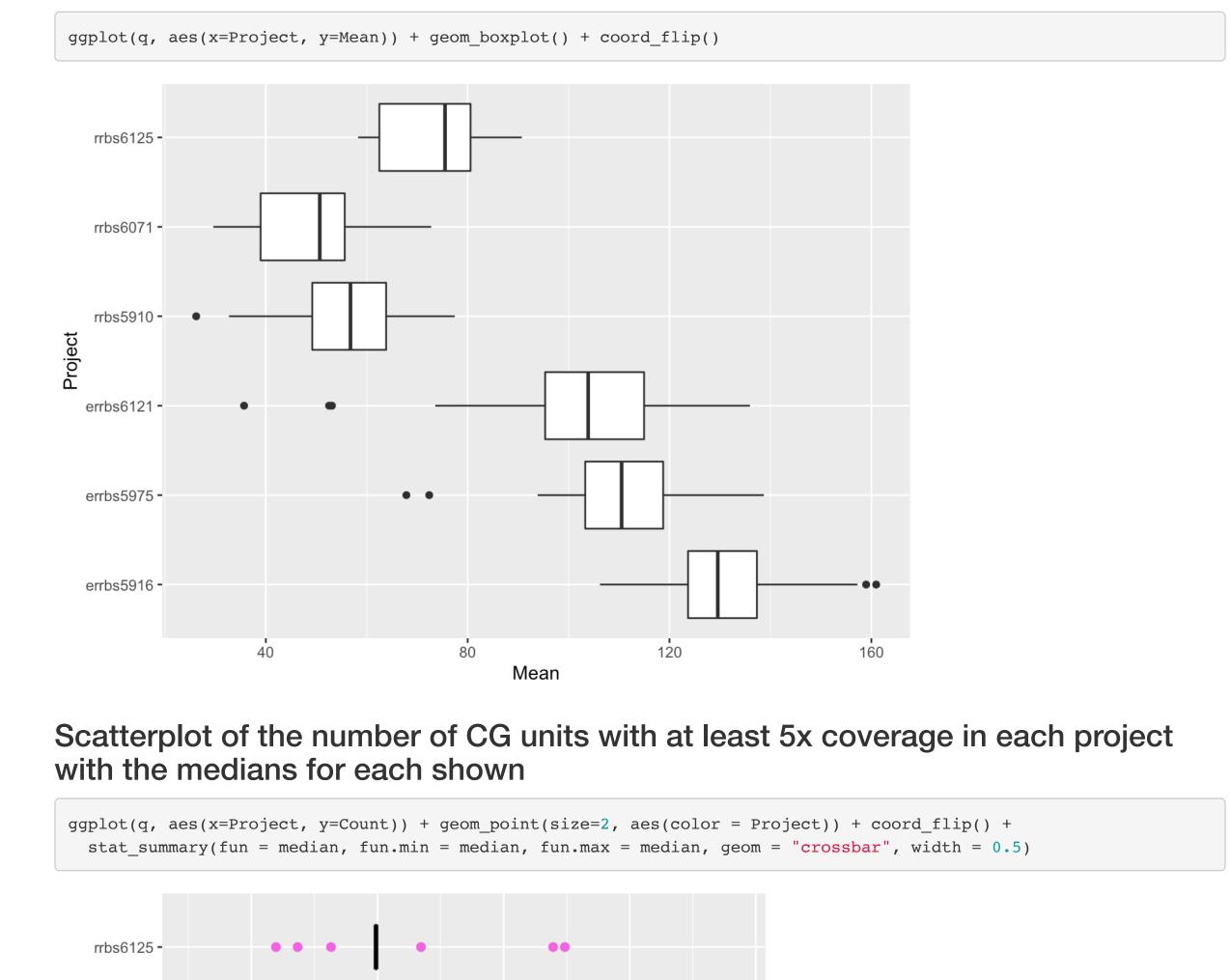
Boxplots of each project, comparing their mean CG coverage with at least 5x

Count

6e+06

7e+06

Boxplots of each project, comparing their numbers of CG units with at least 5x



errbs6121 rrbs6071 rrbs6125 errbs5975 -

Project

errbs5916

errbs5975

errbs6121

rrbs5910

orrbs6125

orrbs6125

```
6e+06
                 3e+06
                             4e+06
                                         5e+06
                                                                  7e+06
                                     Count
Dot plot of the number of CG units with at least 5x coverage in each project with
the medians for each shown
 ggplot(q, aes(x=Project, y=Count)) + geom_dotplot(binaxis="y", stackdir = "center", dotsize=0.3, aes(fill = Proje
 ct)) +
   coord_flip() + stat_summary(fun = median, fun.min = median, fun.max = median, geom = "crossbar", width = 0.5)
 ## `stat_bindot()` using `bins = 30`. Pick better value with `binwidth`.
   rrbs6125 -
   rrbs6071 -
                                                                        Project
                                                                           errbs5916
    rrbs5910 -
                                                                           errbs5975
Project
                                                                           errbs6121
                                                                           rrbs5910
   errbs6121 -
                                                                         orrbs6071
```

ggplot(q, aes(x=Project, y=Mean)) + geom_dotplot(binaxis="y", stackdir = "center", dotsize=0.3, aes(fill = Project) coord_flip() + stat_summary(fun = median, fun.min = median, fun.max = median, geom = "crossbar", width = 0.5)

Dot plot of the mean number of CG units with at least 5x coverage in each project

6e+06

7e+06

```
rrbs6125 -
    rrbs6071 -
                                                                                                   Project
                                                                                                    errbs5916
    rrbs5910 -
                                                                                                        errbs5975
Project
                                                                                                        errbs6121
                                                                                                       rrbs5910
   errbs6121 -
```

orrbs6071