

# Plots markdown

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

```
library(tidyverse)

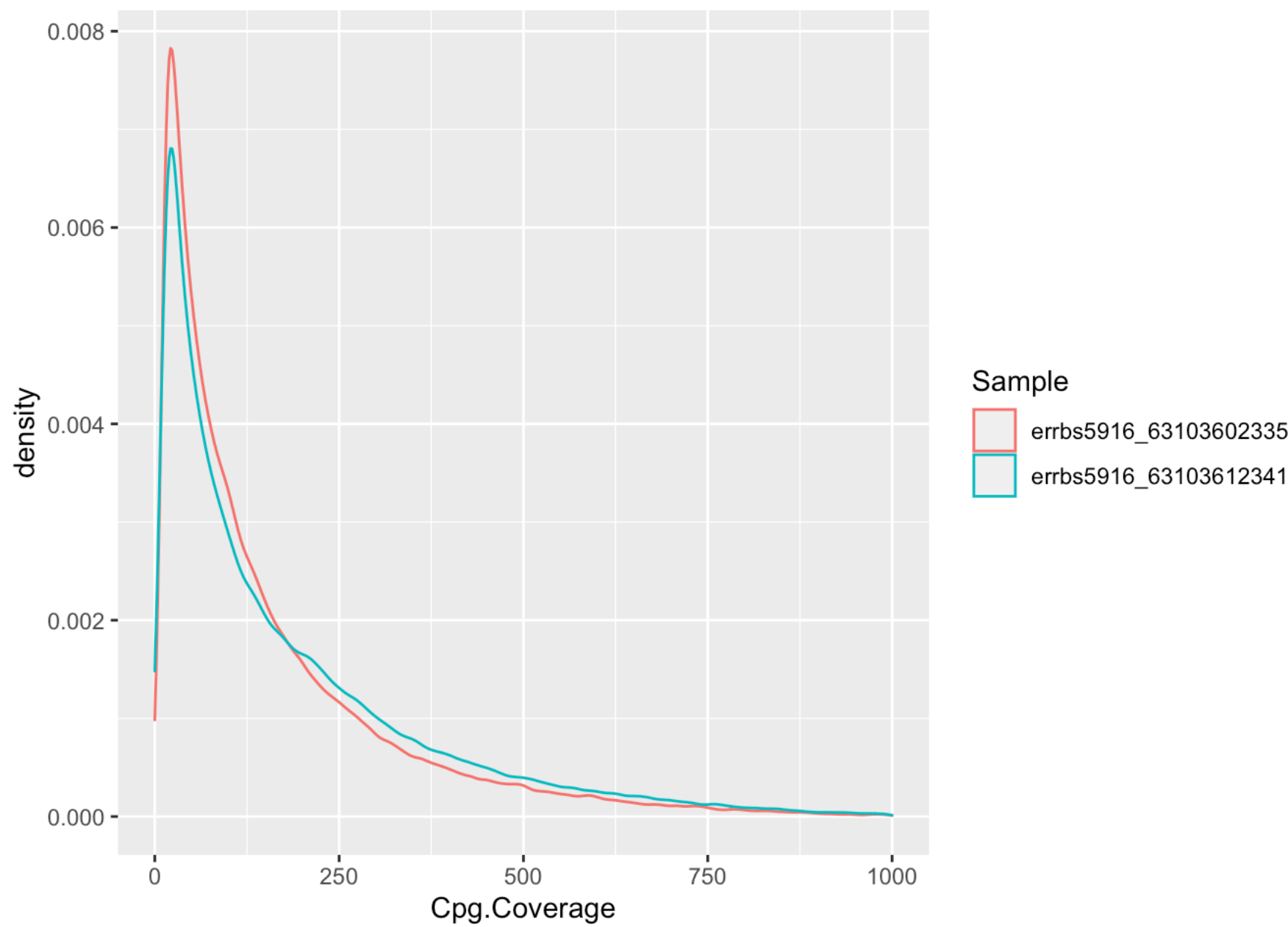
## — Attaching packages —
tidyverse 1.3.0

## ✓ ggplot2 3.3.1    ✓ purrr  0.3.4
## ✓ tibble  3.0.1    ✓ dplyr  1.0.0
## ✓ tidyr   1.1.0    ✓ stringr 1.4.0
## ✓ readr   1.3.1    ✓ forcats 0.5.0

## — Conflicts —
- tidyverse_conflicts() —
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()

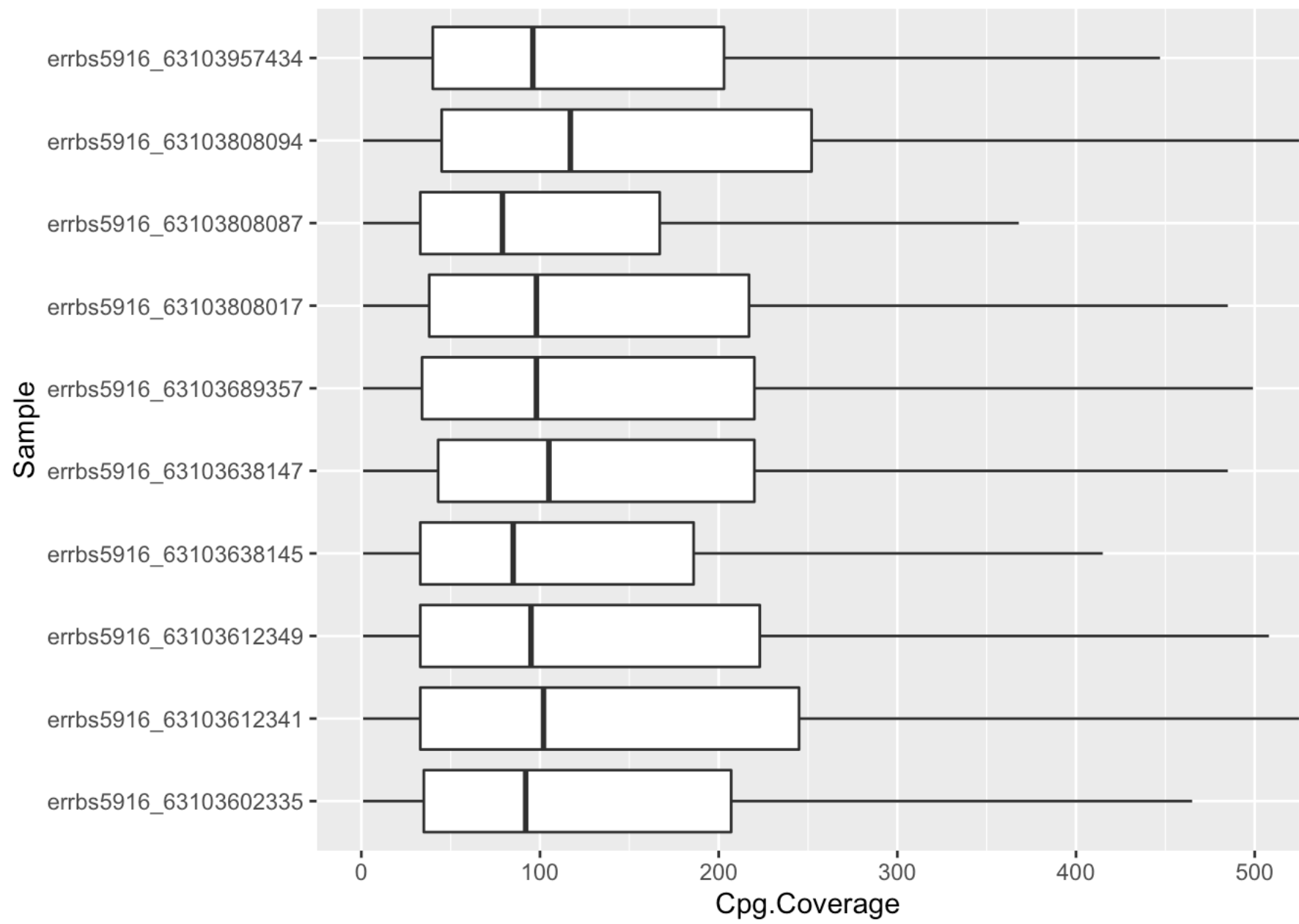
load("errbs5916_site_coverage_mat")
load("errbs5916_first_two_samples_10x_noNA.rda")
ggplot(two_columns_4, aes(x=Cpg.Coverage, color = Sample)) + geom_density() + xlim(c(0,1000))

## Warning: Removed 4566 rows containing non-finite values (stat_density).
```



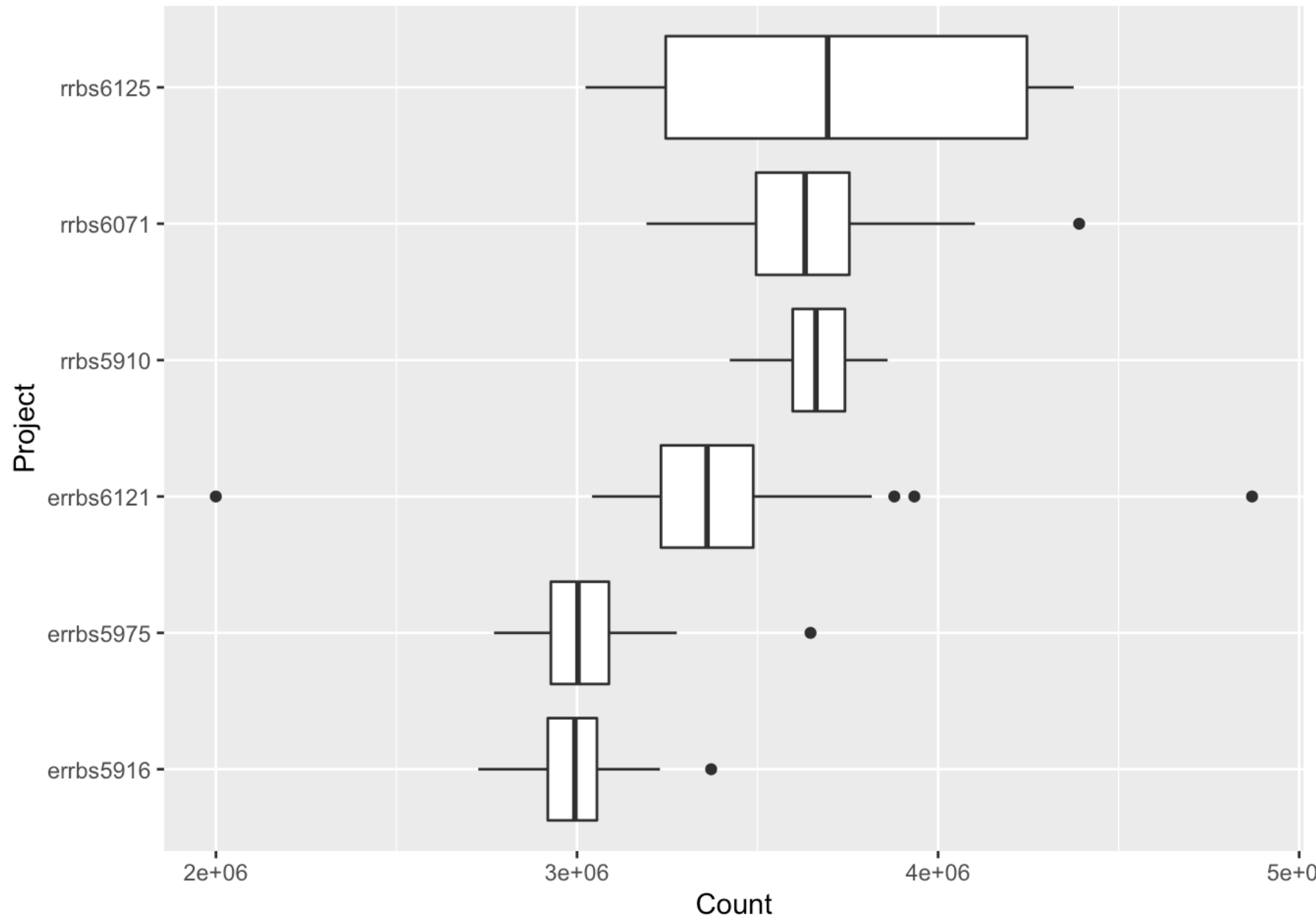
## Boxplots of CG coverage of the first ten samples of errbs5916

```
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))
)
```



## Boxplots of each project, comparing their numbers of CG units with at least 10x coverage

```
load("all_projects.sample_count_mean.rda")
ggplot(p, aes(x=Project, y=Count)) + geom_boxplot() + coord_flip()
```



## Boxplots of each project, comparing their mean CG coverage (≥10x coverage)

```
load("all_projects.sample_count_mean.rda")
ggplot(p, aes(x=Project, y=Mean)) + geom_boxplot() + coord_flip()
```

