[1] "Plasma"

Exact binomial test

data: sum(df.good$Is.Latent) and length(df.good$Is.Latent)

number of successes = 83, number of trials = 183, p−value = 0.9084

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.3911924 1.0000000

sample estimates:

probability of success

0.4535519

Generalized linear mixed model fit by maximum likelihood (Laplace
Approximation) [glmerMod]
Family: binomial (logit)
Formula: Is.Latent ~ (1 | Patient)
Data: df.good

```
     AIC     BIC   logLik deviance df.resid
   256.1   262.5   −126.1   252.1      181
```

Scaled residuals:
```
   Min     1Q Median    3Q    Max
−0.911 −0.911 −0.911  1.098  1.098
```

Random effects:
```
 Groups  Name        Variance  Std.Dev.
 Patient (Intercept) 1.741e−14 1.319e−07
Number of obs: 183, groups:  Patient, 7
```

Fixed effects:
```
            Estimate Std. Error z value Pr(>|z|)
(Intercept)  −0.1863     0.1485  −1.255     0.21
```
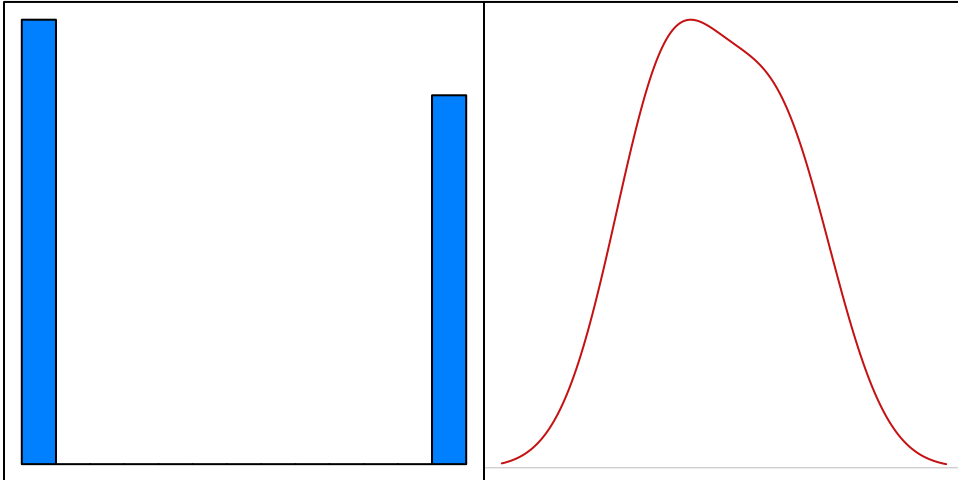
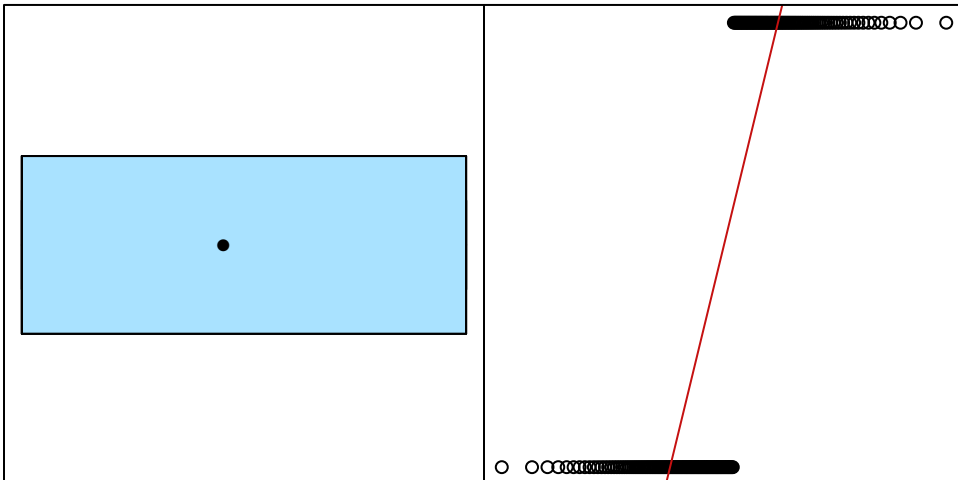[1] "AIC: 256.110353848107, null AIC: 254.110353848107"

[2] "p-value: 1"

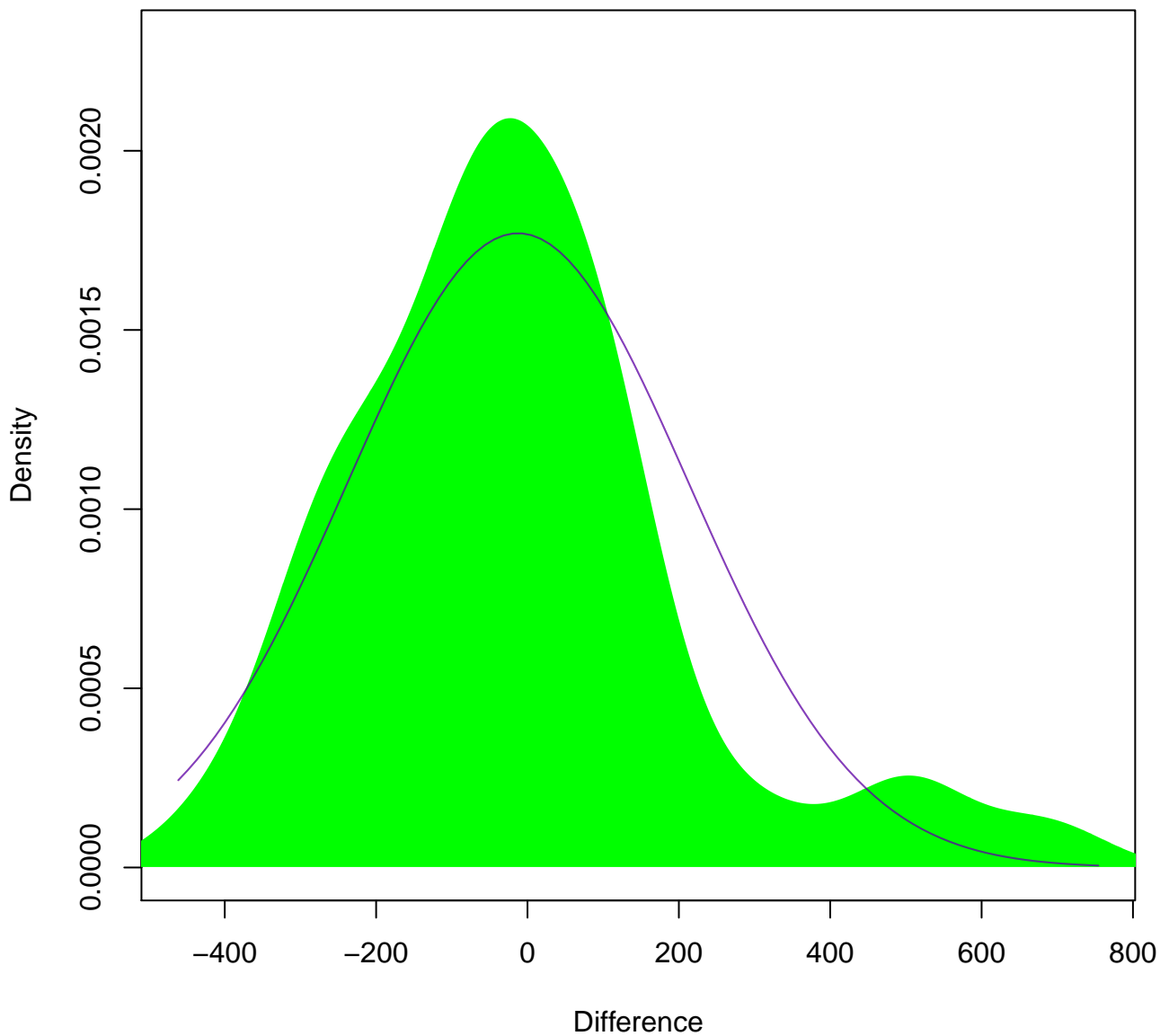[3] "mean: 0.453551912568308"

EXPLORATORY DATA ANALYSIS

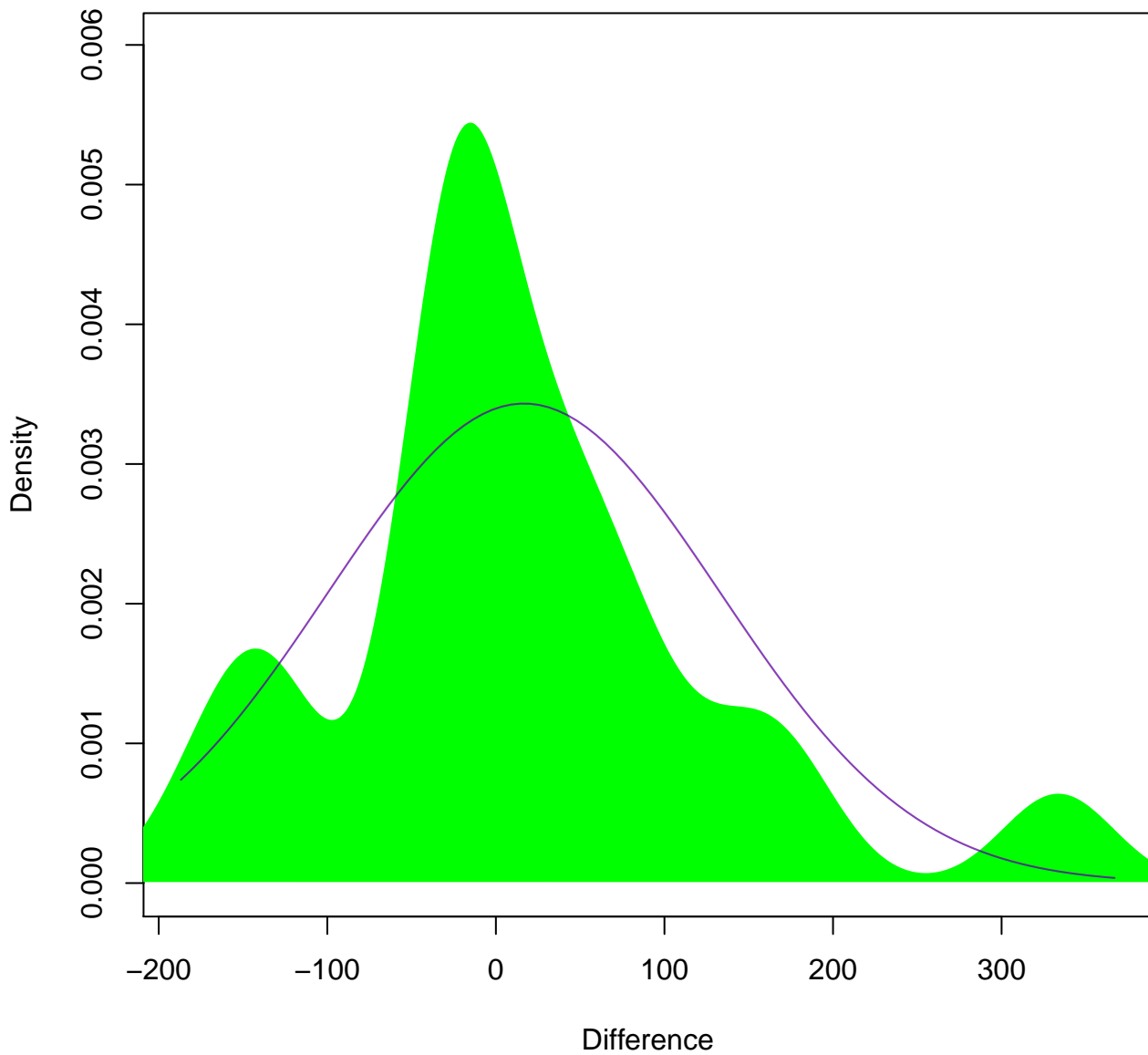**Histogram of resid(bin.glme.test** **Density of resid(bin.glme.test)**

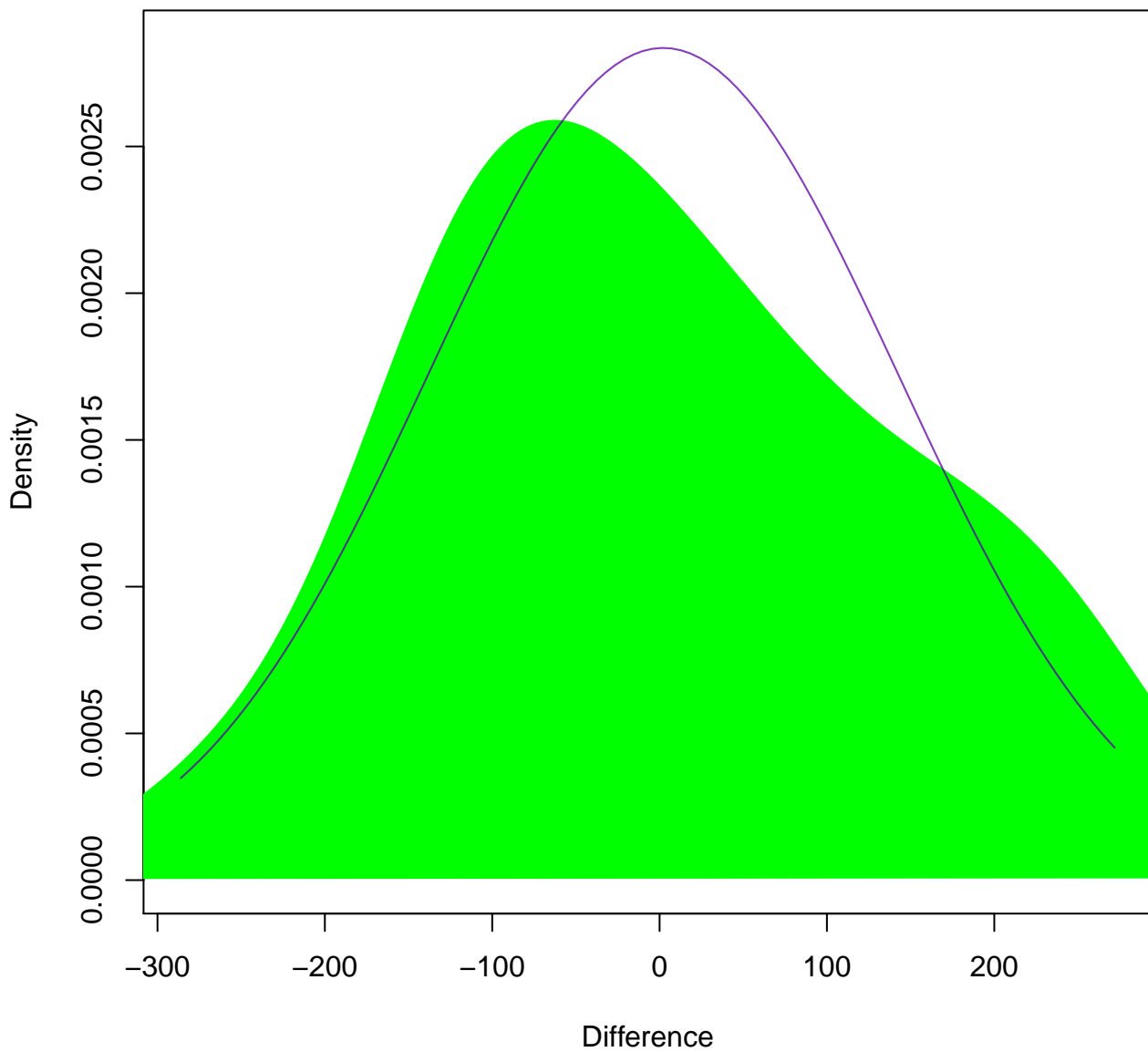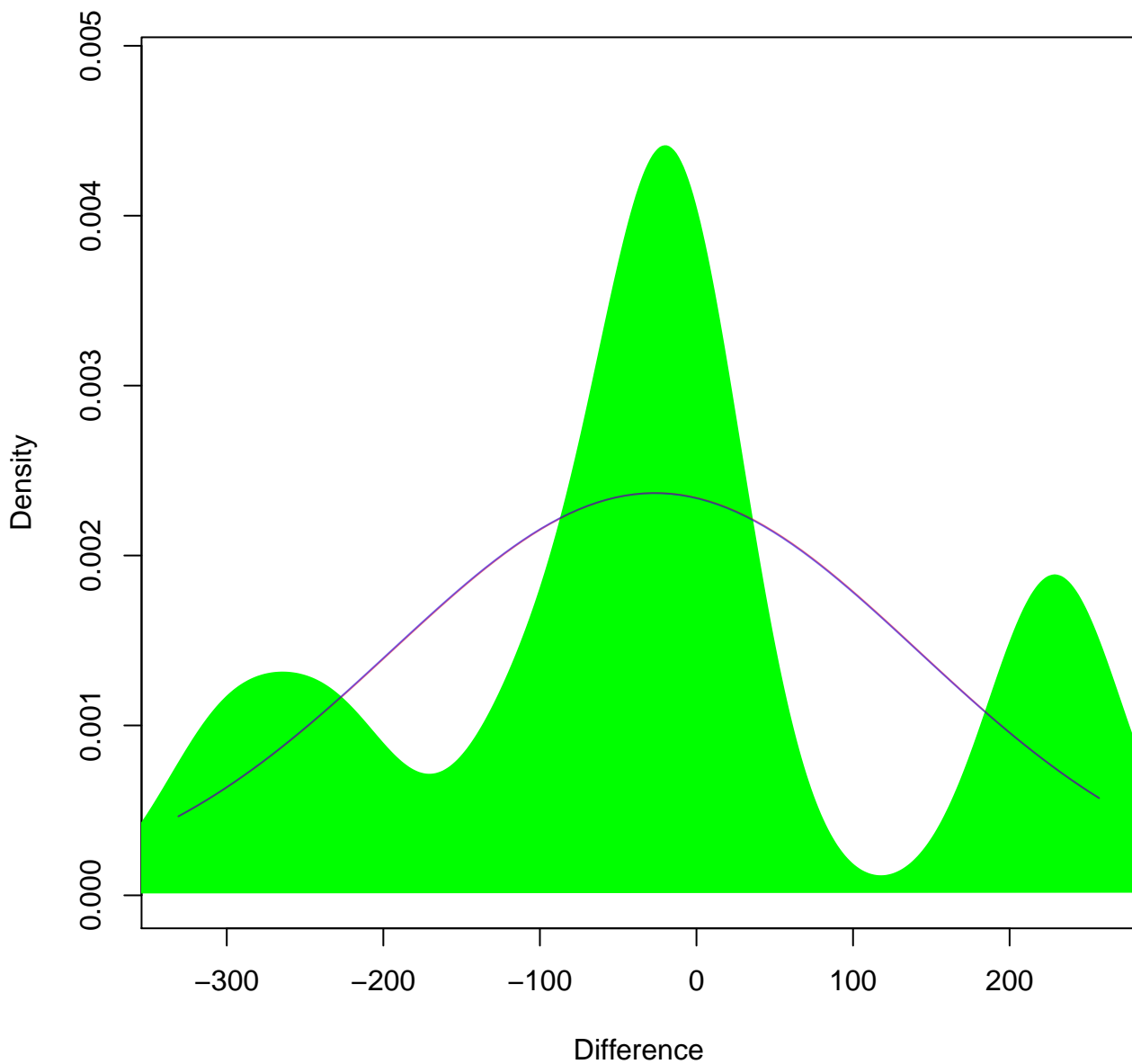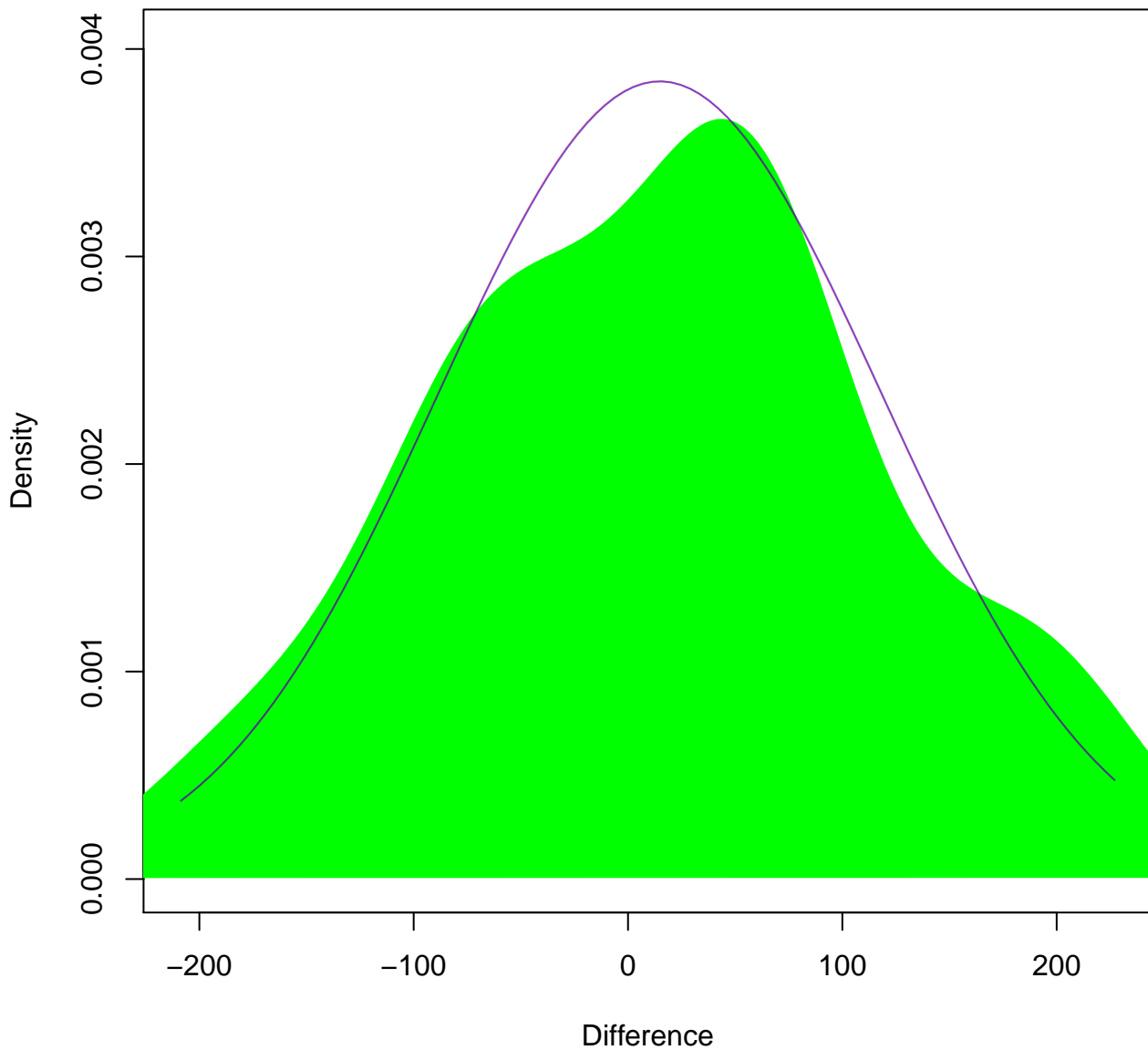**Boxplot of resid(bin.glme.test) Q-Q Plot of resid(bin.glme.test)**

2658

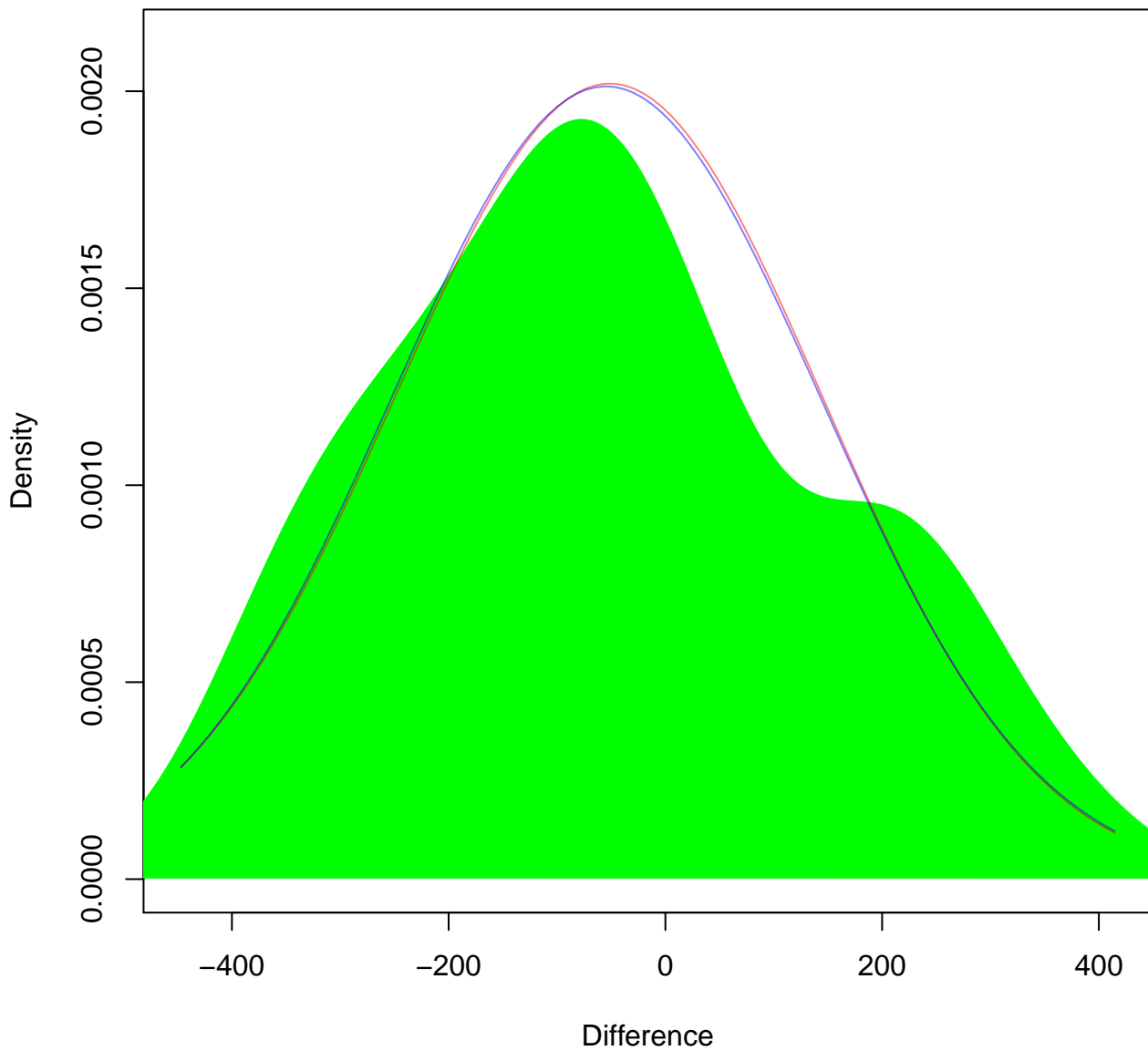Density

Difference

13333

13334

Density

Difference

7265

Density

Difference

13336

35566

825

Overall

Density

Difference