[1] ""

Exact binomial test

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

number of successes = 47, number of trials = 101, p−value = 0.7869

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.3803851 1.0000000

sample estimates:

probability of success

0.4653465

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
137.4	142.6	−66.7	133.4	99

Scaled residuals:

Min	1Q	Median	3Q	Max
−1.2434	−0.8512	−0.5408	0.8042	1.8491

Random effects:

Groups	Name	Variance	Std.Dev.
Patient	(Intercept)	0.5127	0.716

Number of obs: 101, groups: Patient, 4

Fixed effects:

	Estimate	Std. Error	z value	Pr(>|z|)
(Intercept)	−0.3311	0.4260	−0.777	0.437

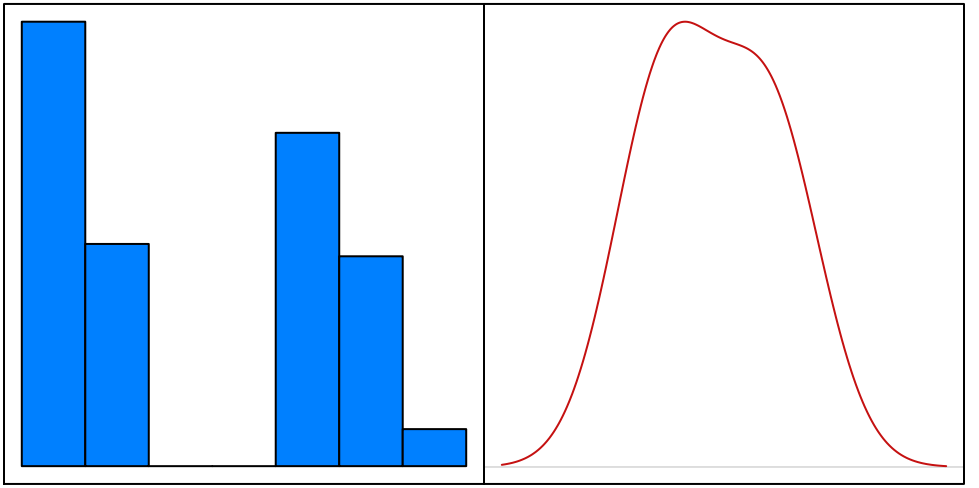
[1] "AIC: 137.385953638275, null AIC: 141.530192812247"

[2] "p−value: 0.0131840875879025"

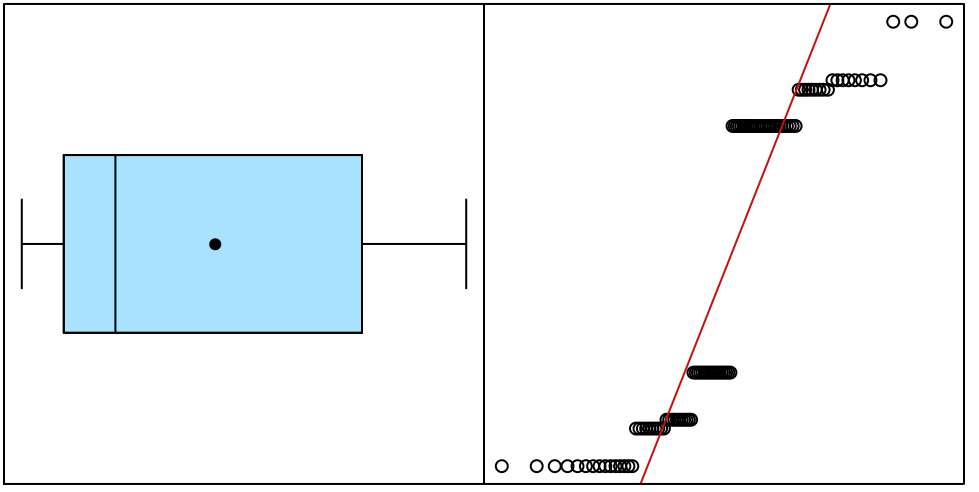
[3] "mean: 0.417969444746623"

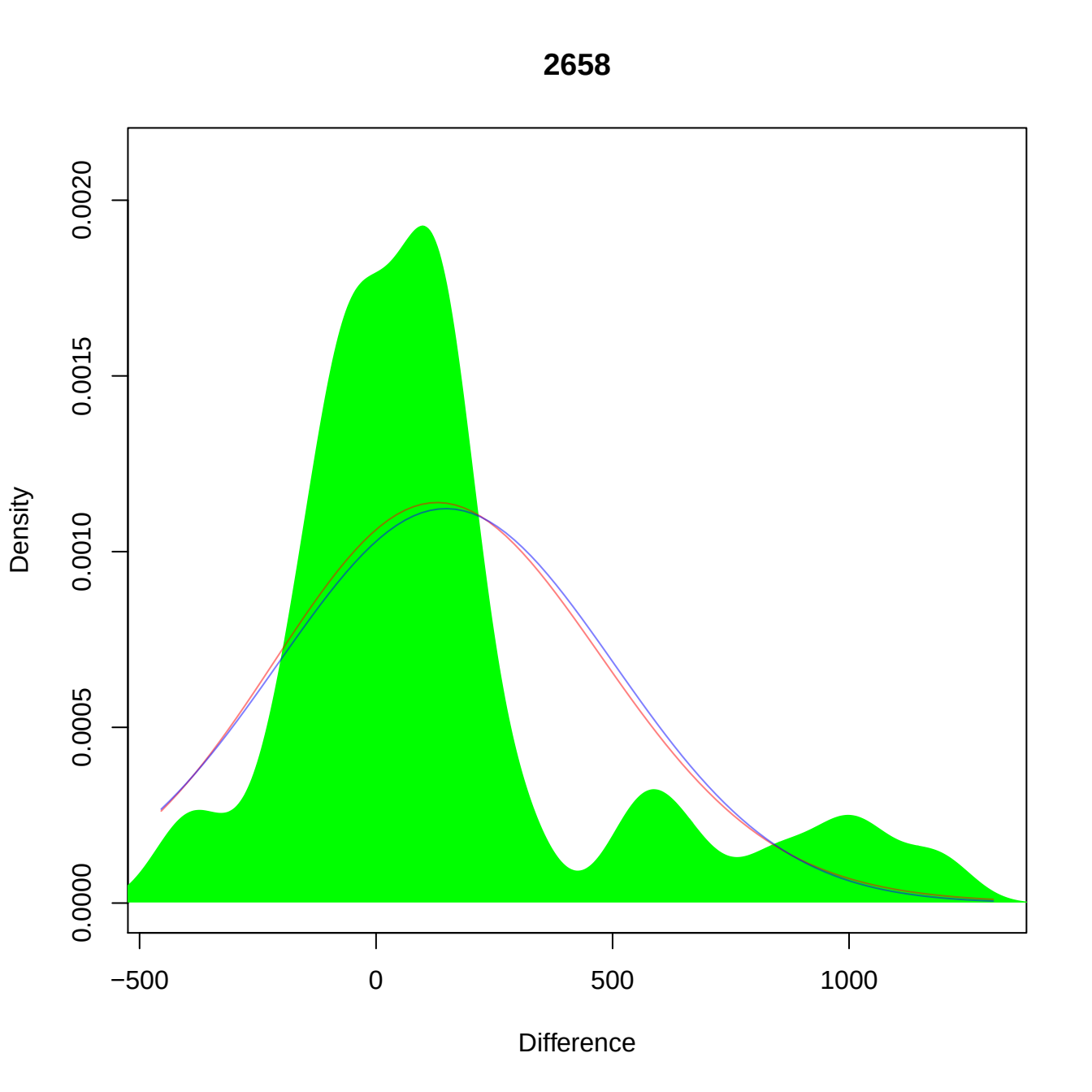
EXPLORATORY DATA ANALYSIS

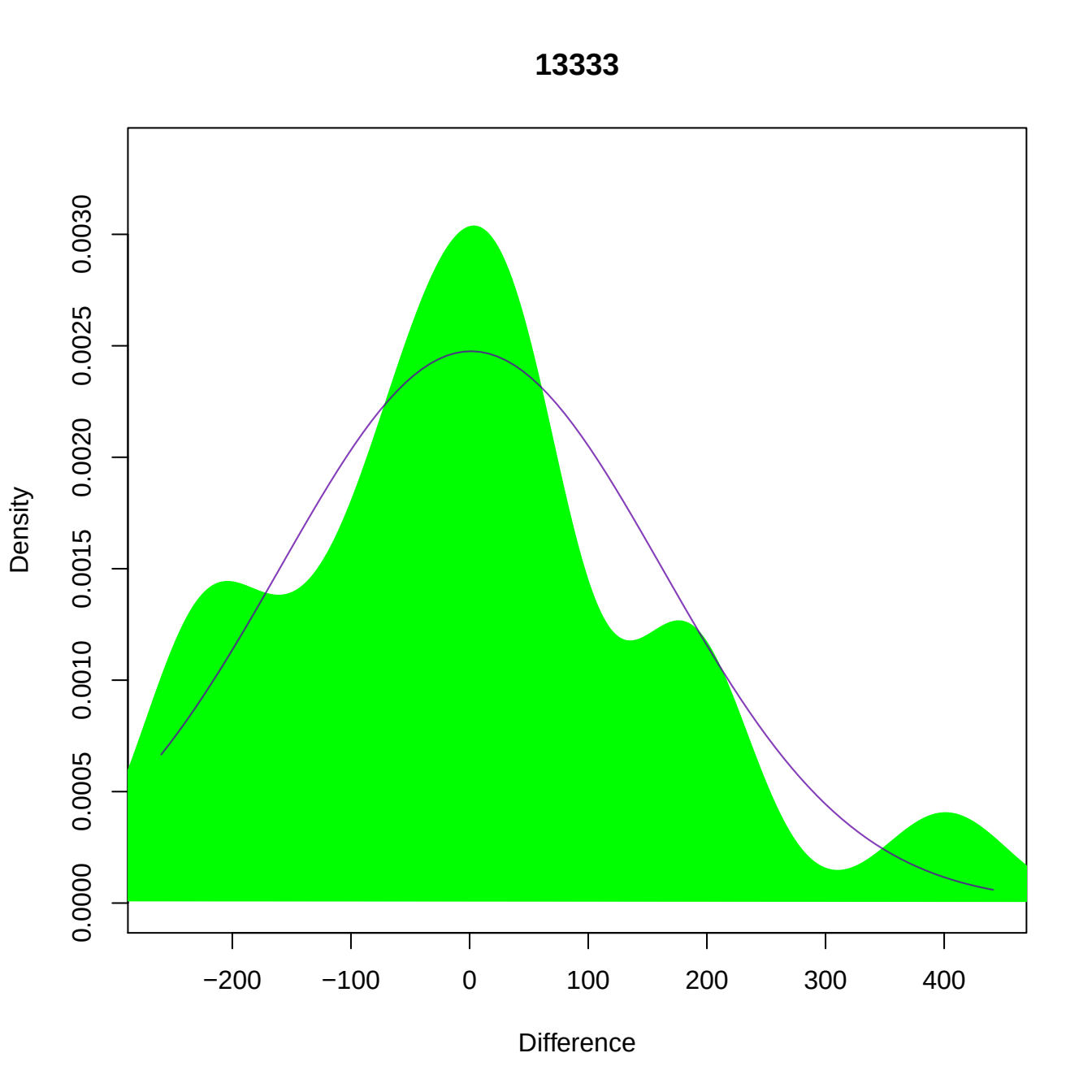
Histogram of resid(bin.glme.test Density of resid(bin.glme.test)

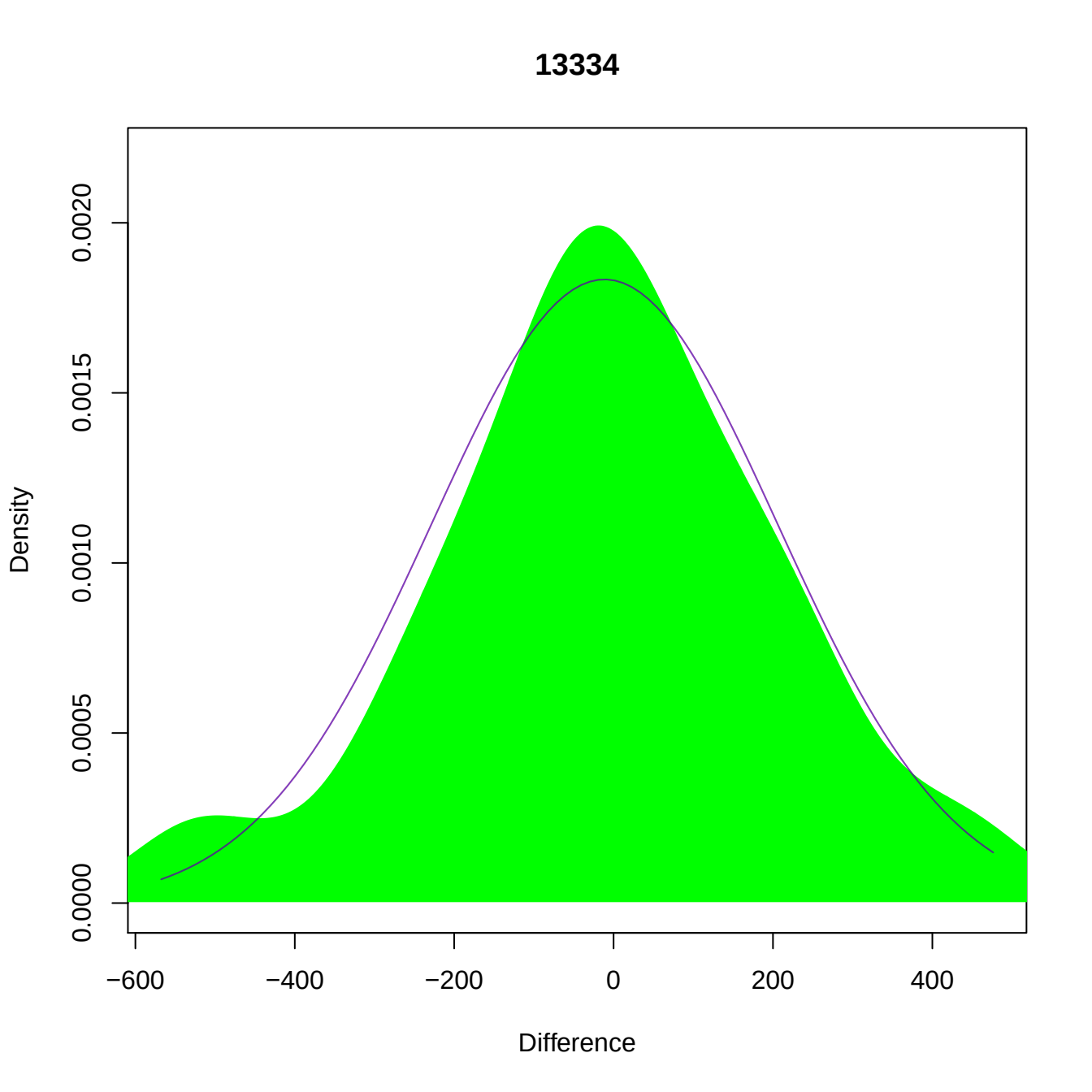


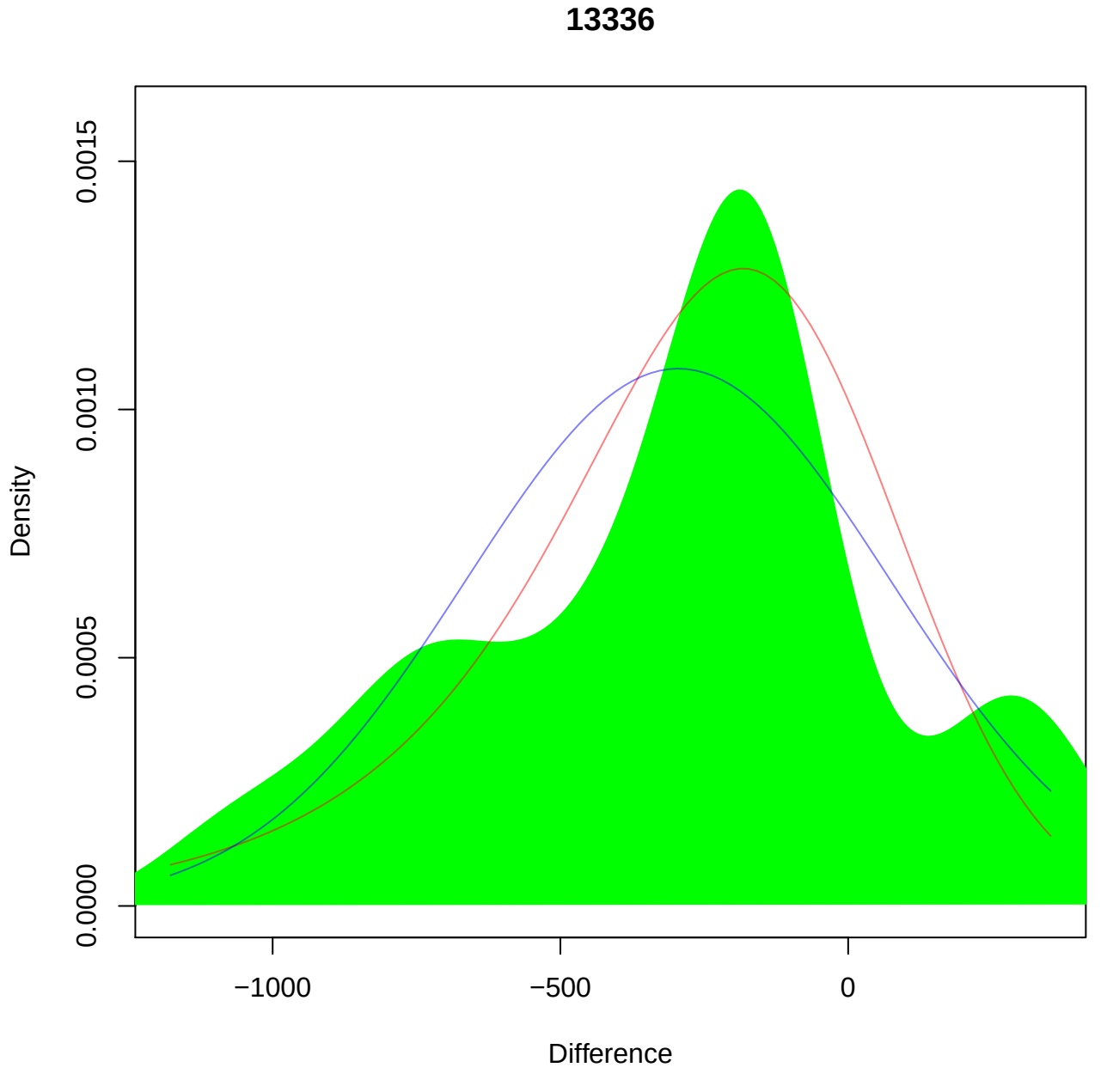
Boxplot of resid(bin.glme.test) Q−Q Plot of resid(bin.glme.test)

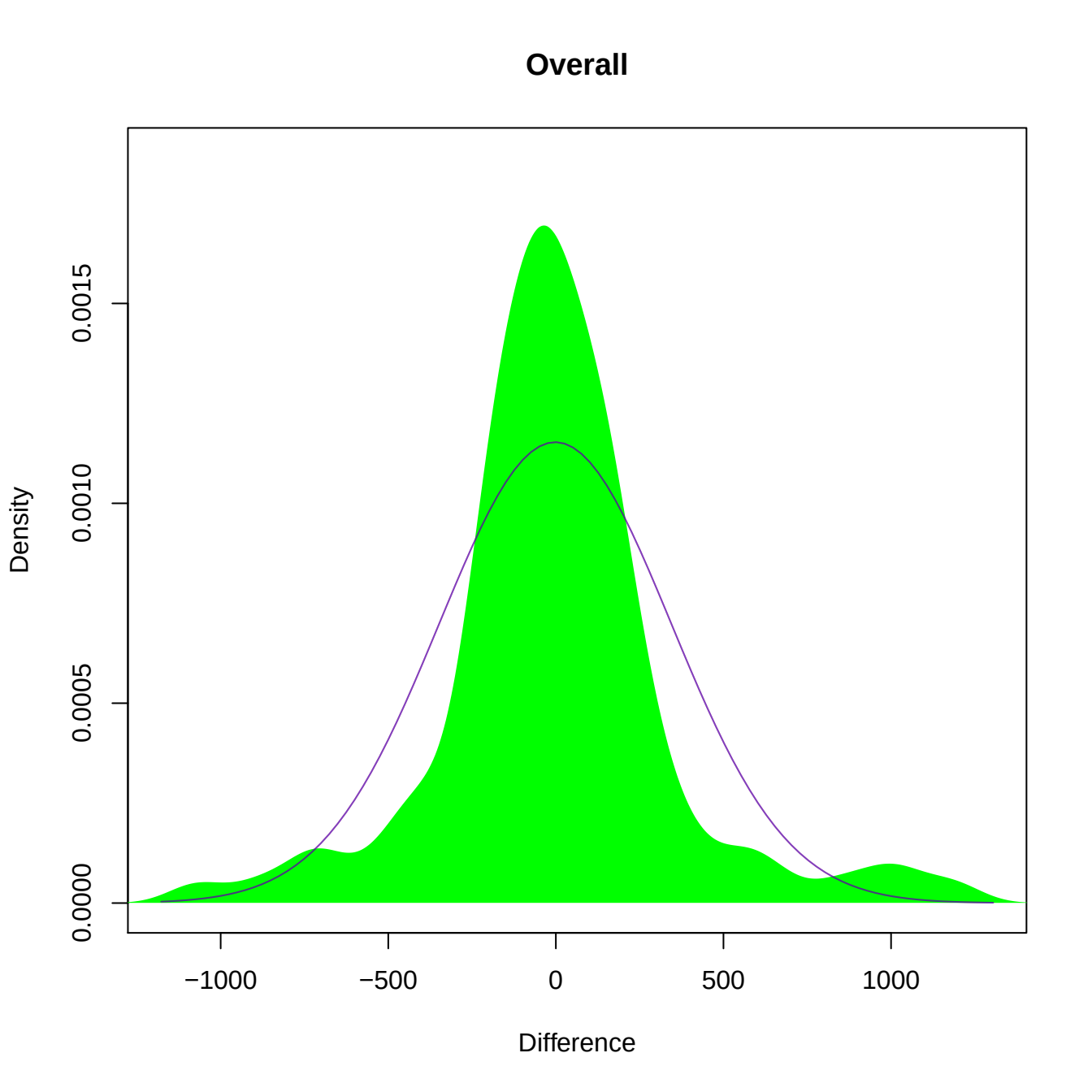



2658
Density
0.0000
0.0005
0.0010
0.0015
0.0020
−500
0
500
1000
Difference


13333
Density
0.0000
0.0005
0.0010
0.0015
0.0020
0.0025
0.0030
−200
−100
0
100
200
300
400
Difference


13334
Density
0.0000
0.0005
0.0010
0.0015
0.0020
−600
−400
−200
0
200
400
Difference


13336
Density
0.0000
0.0005
0.0010
0.0015
−1000
−500
0
Difference


Overall
Density
0.0000
0.0005
0.0010
0.0015
−1000
−500
0
500
1000
Difference