Exact binomial test

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

number of successes = 104, number of trials = 190, p−value = 0.1087

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.4850982 1.0000000

sample estimates:

probability of success

0.5473684

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
265.7	272.2	−130.8	261.7	188

Scaled residuals:

Min	1Q	Median	3Q	Max
−1.0997	−1.0997	0.9093	0.9093	0.9093

Random effects:

Groups	Name	Variance	Std.Dev.
Patient	(Intercept)	0	0

Number of obs: 190, groups: Patient, 8

Fixed effects:

	Estimate	Std. Error	z value	Pr(>|z|)
(Intercept)	0.1900	0.1458	1.304	0.192

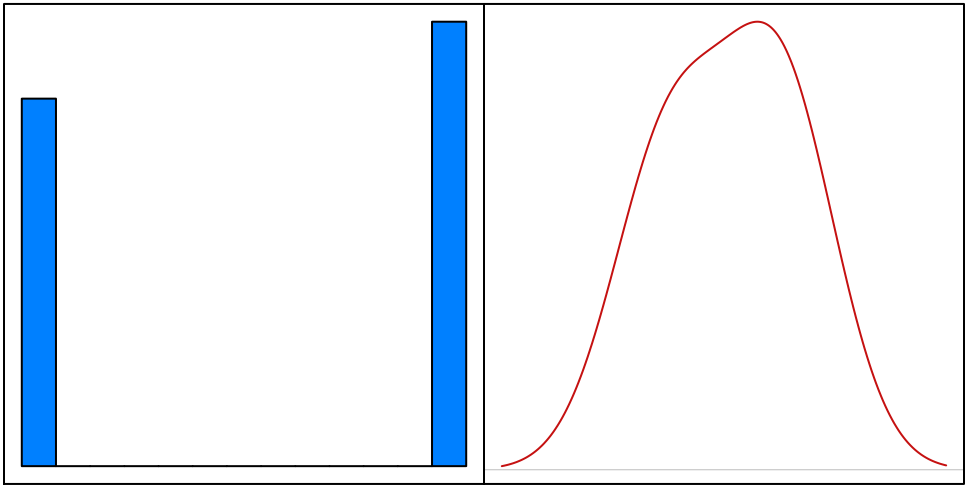
[1] "AIC: 265.688105443976 null AIC: 263.688105443976"

[2] "p−value: 0.999999999999886"

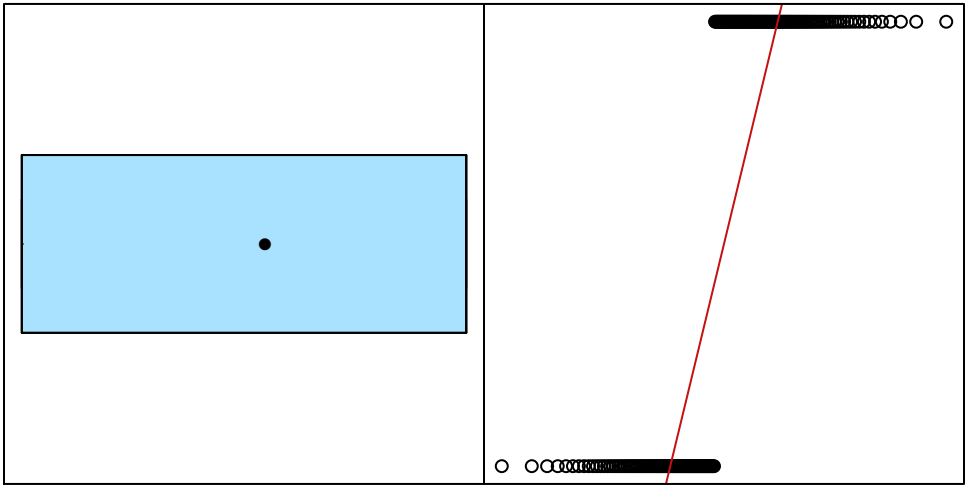
[3] "mean: 0.547368421052514 (0.476111253958456, 0.616735524503627)"

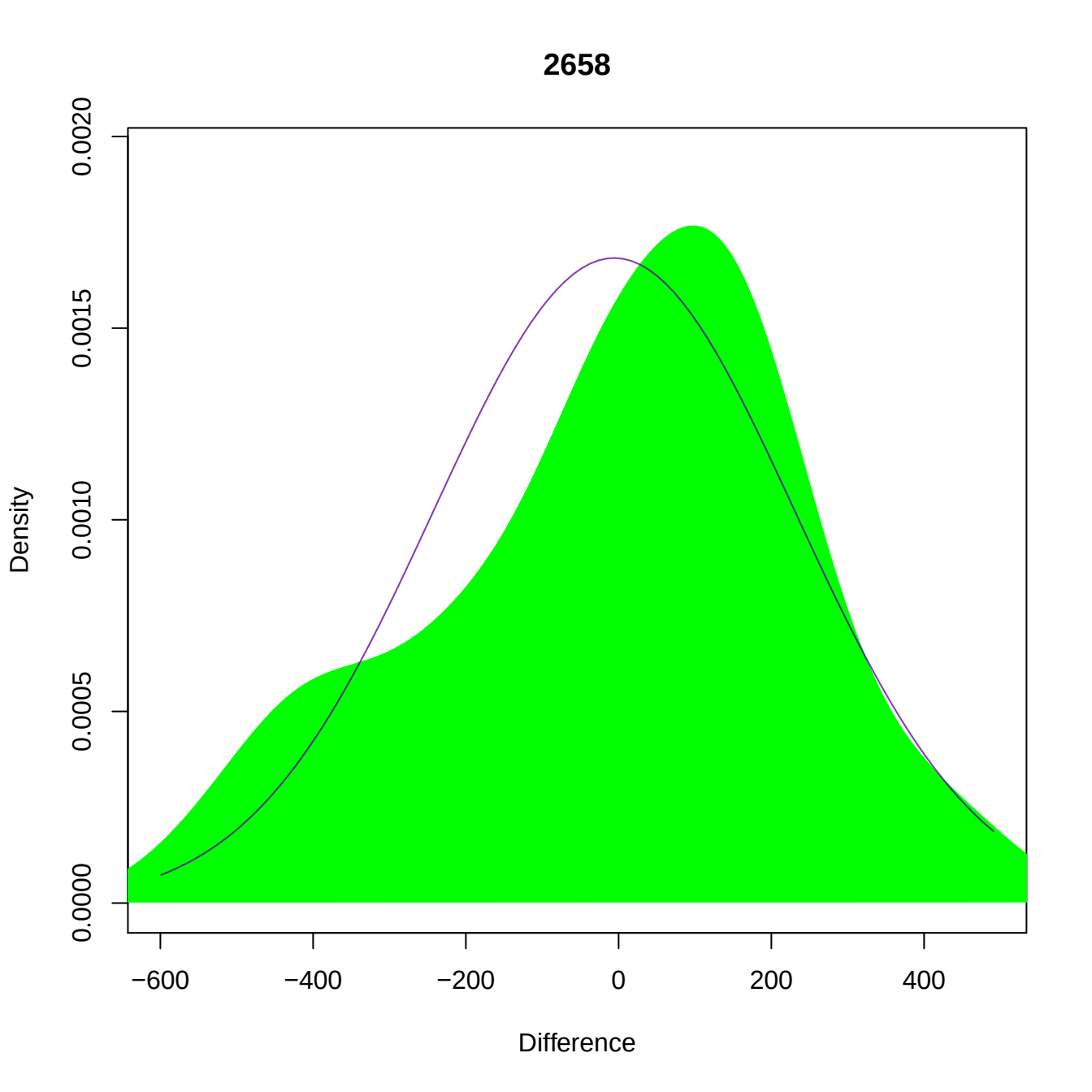
EXPLORATORY DATA ANALYSIS

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
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0.0015
0.0010
0.0005
0.0000
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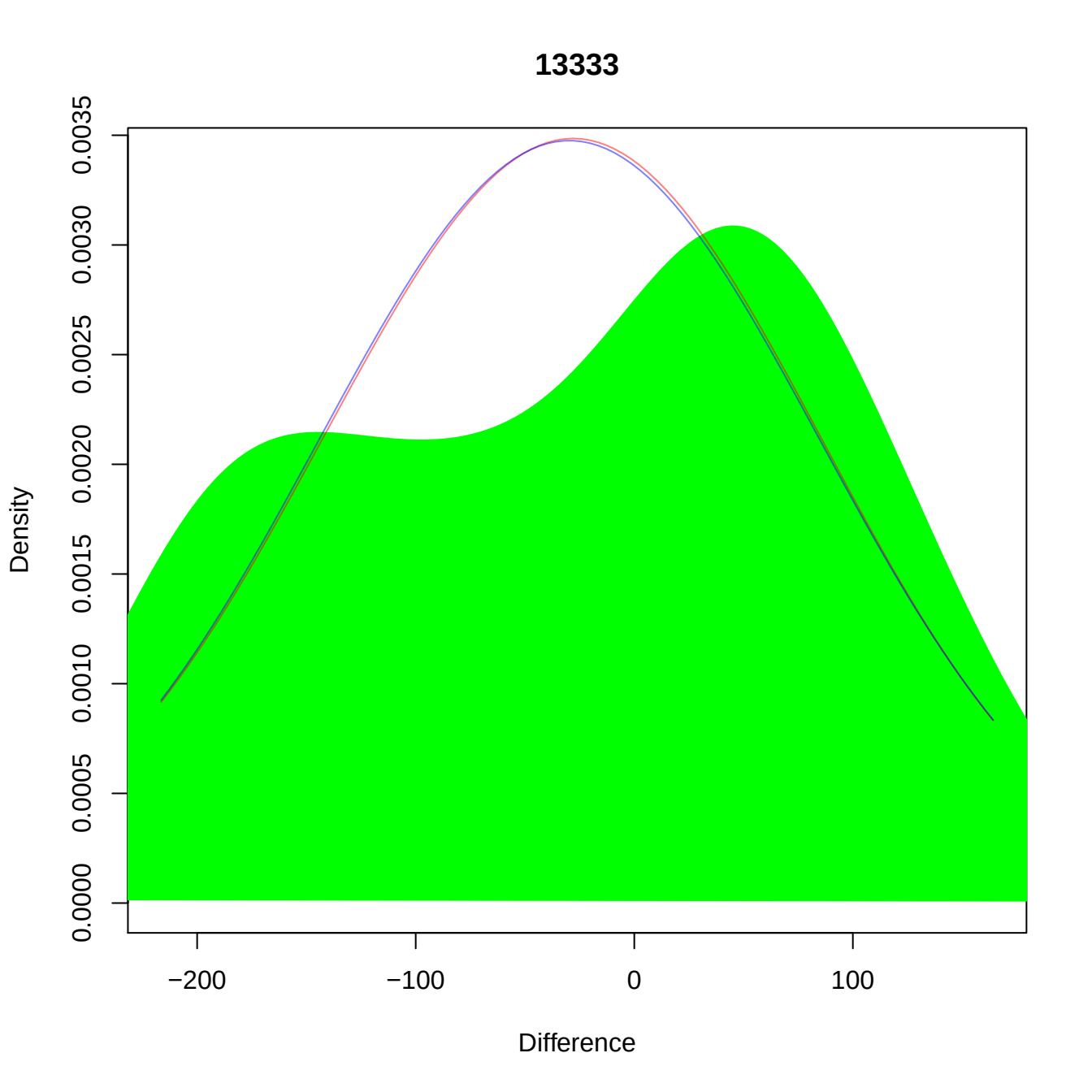
−400
−200
0
200
400
Difference


13333
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0.0010
0.0015
0.0020
0.0025
0.0030
0.0035
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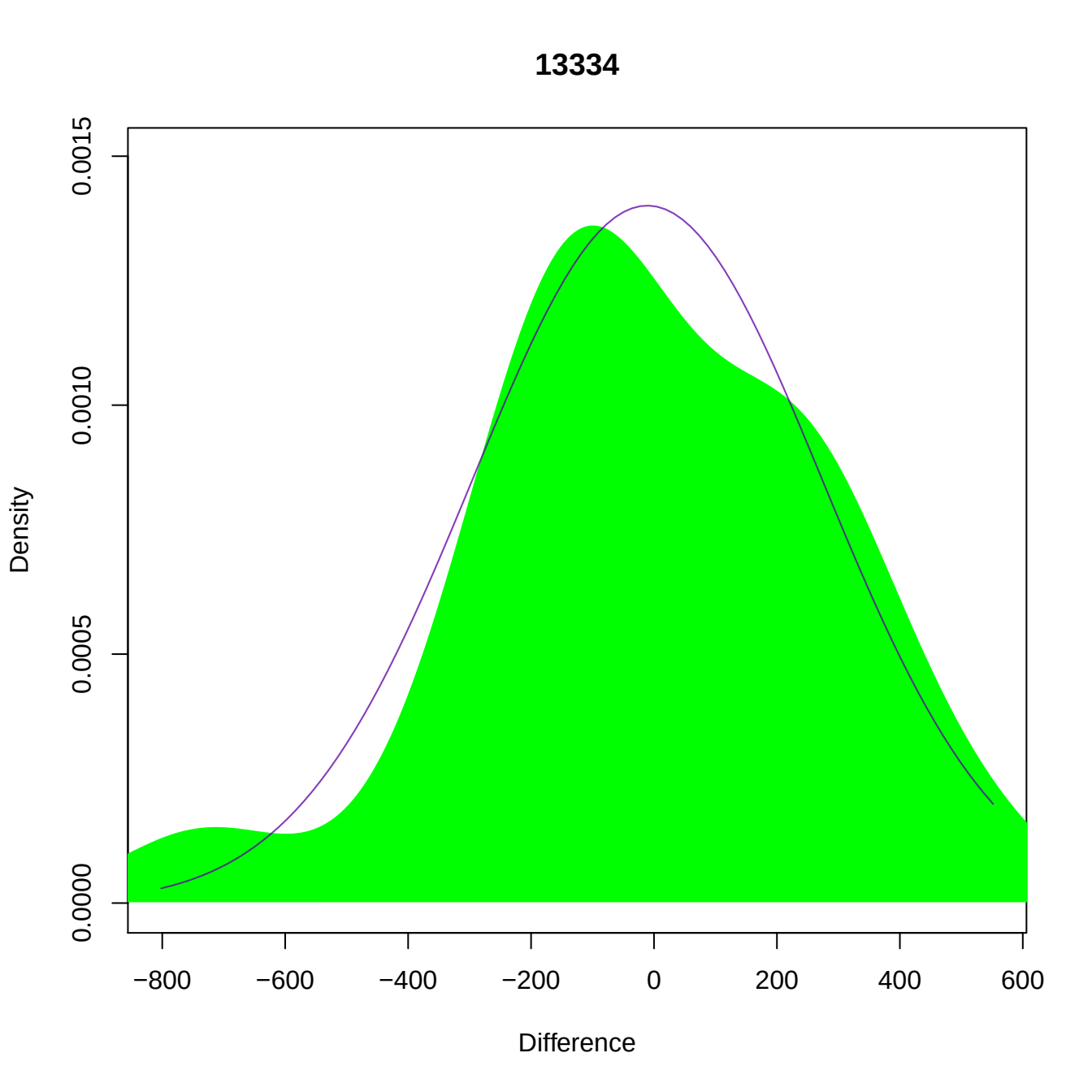
−100
0
100
Difference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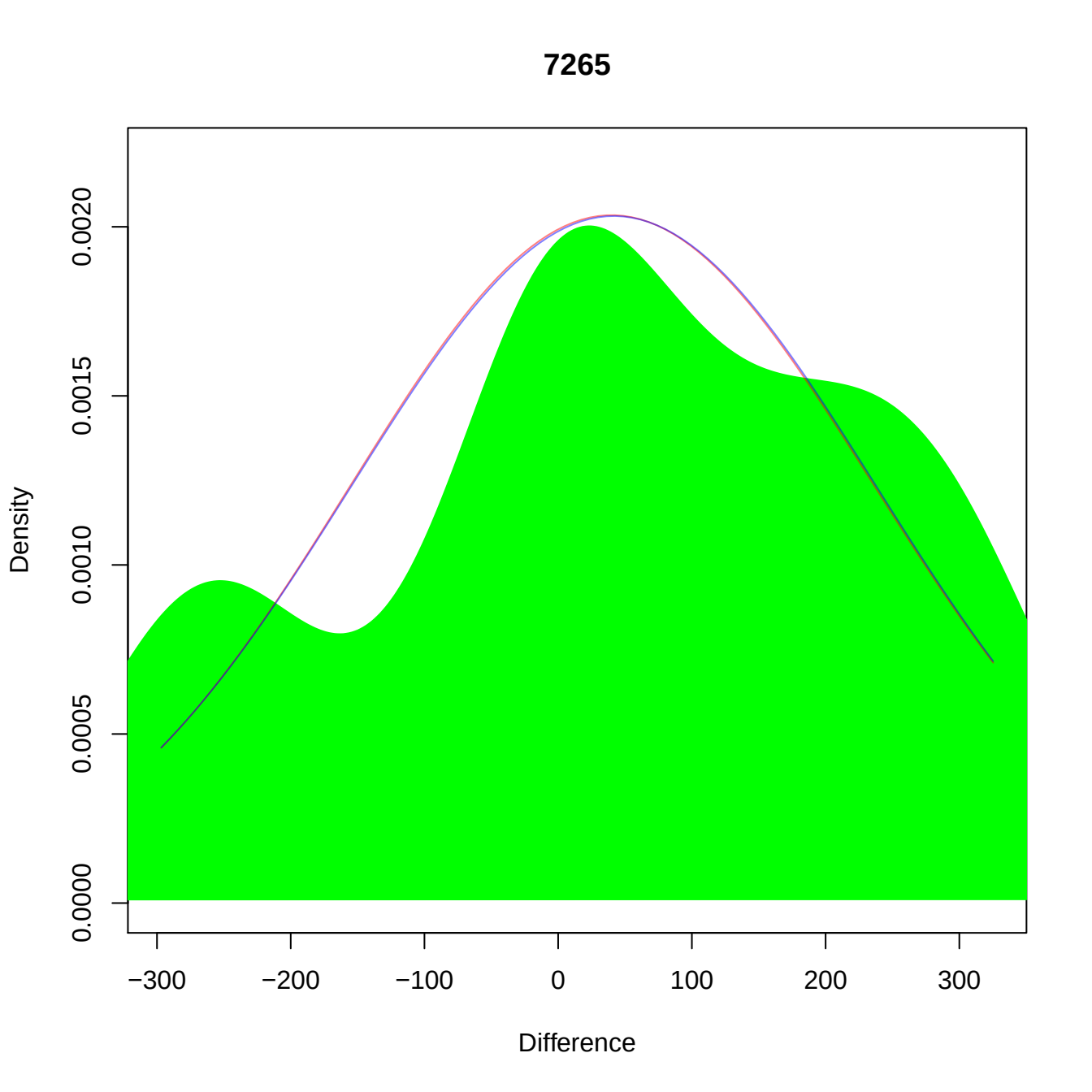
600
Difference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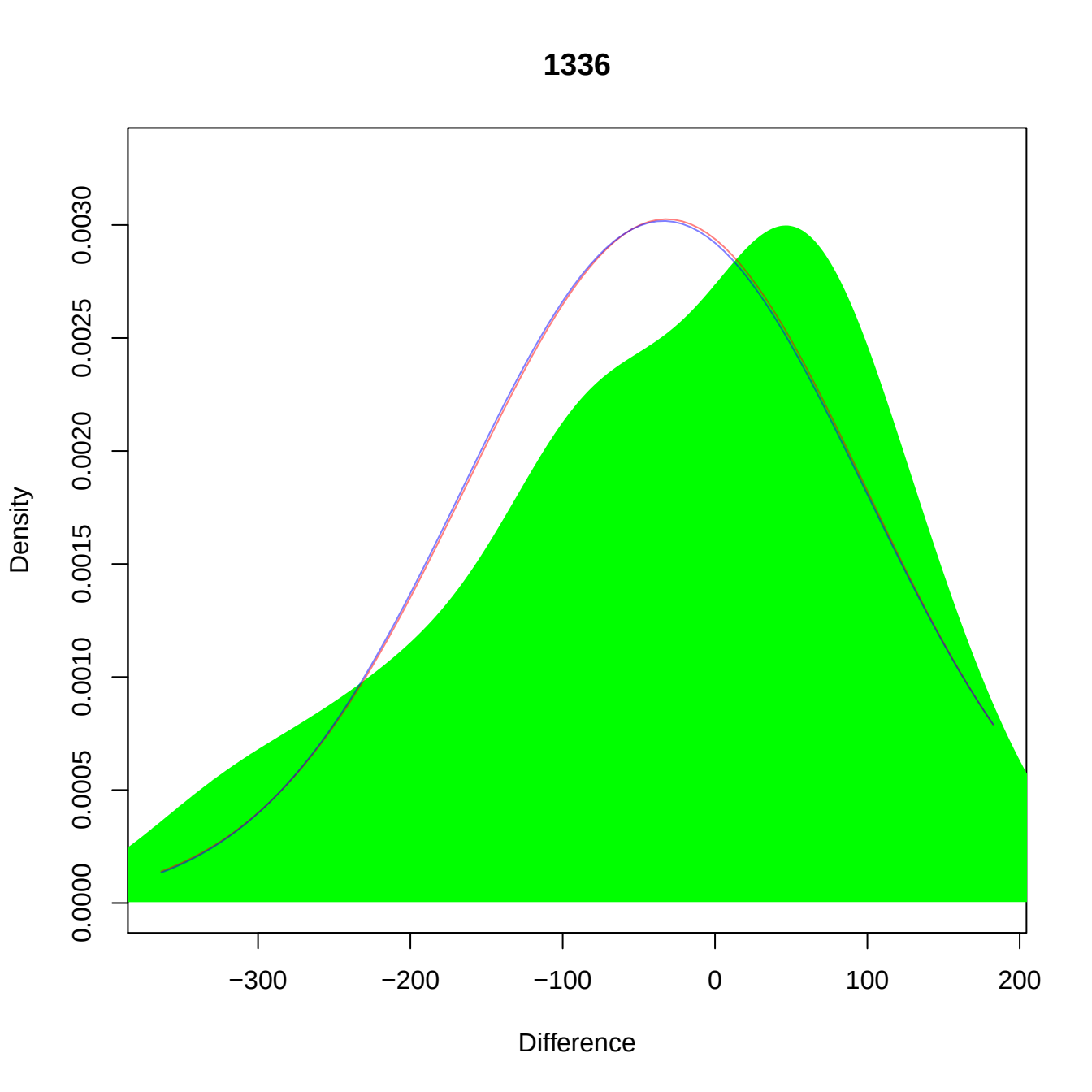
200
300
Difference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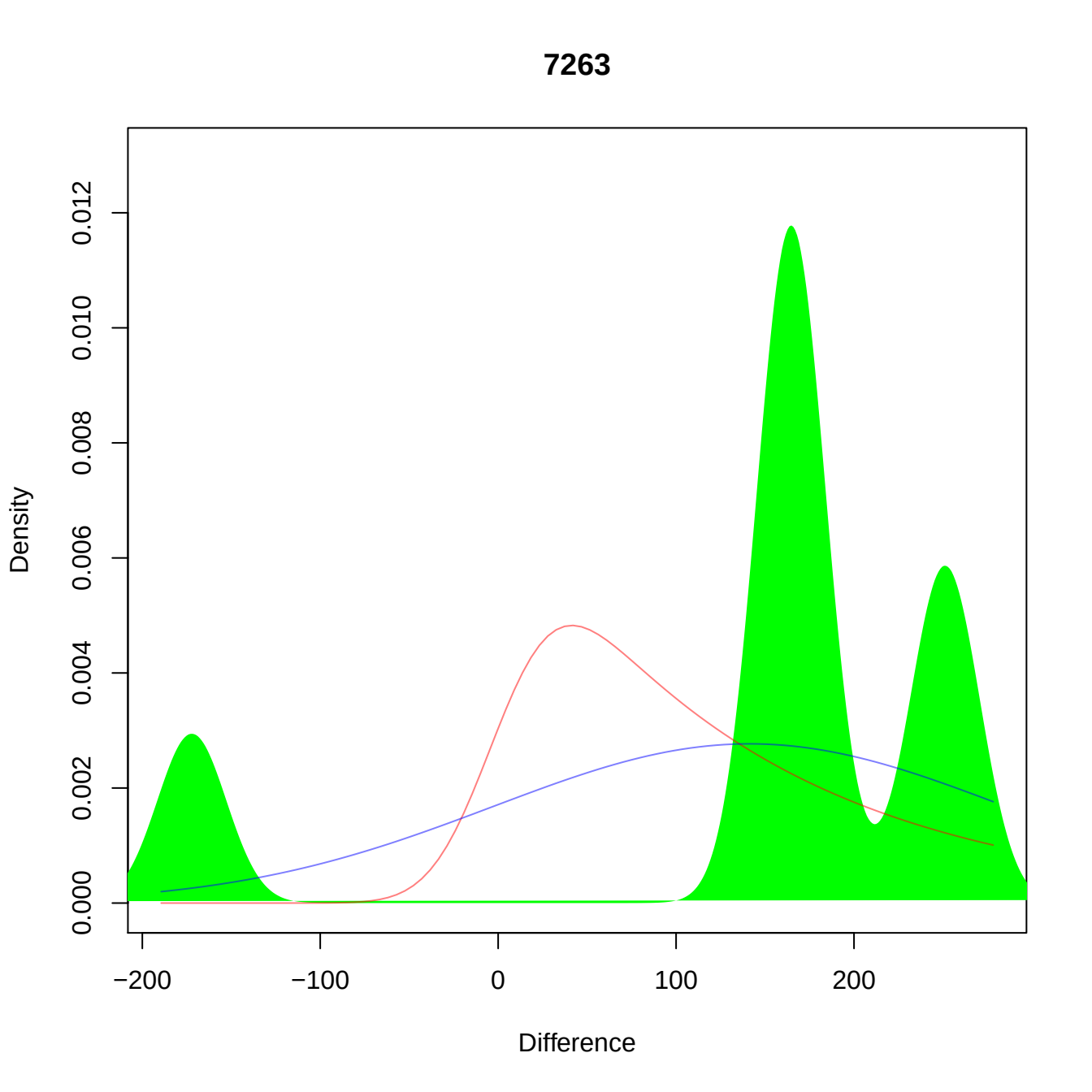
200
Difference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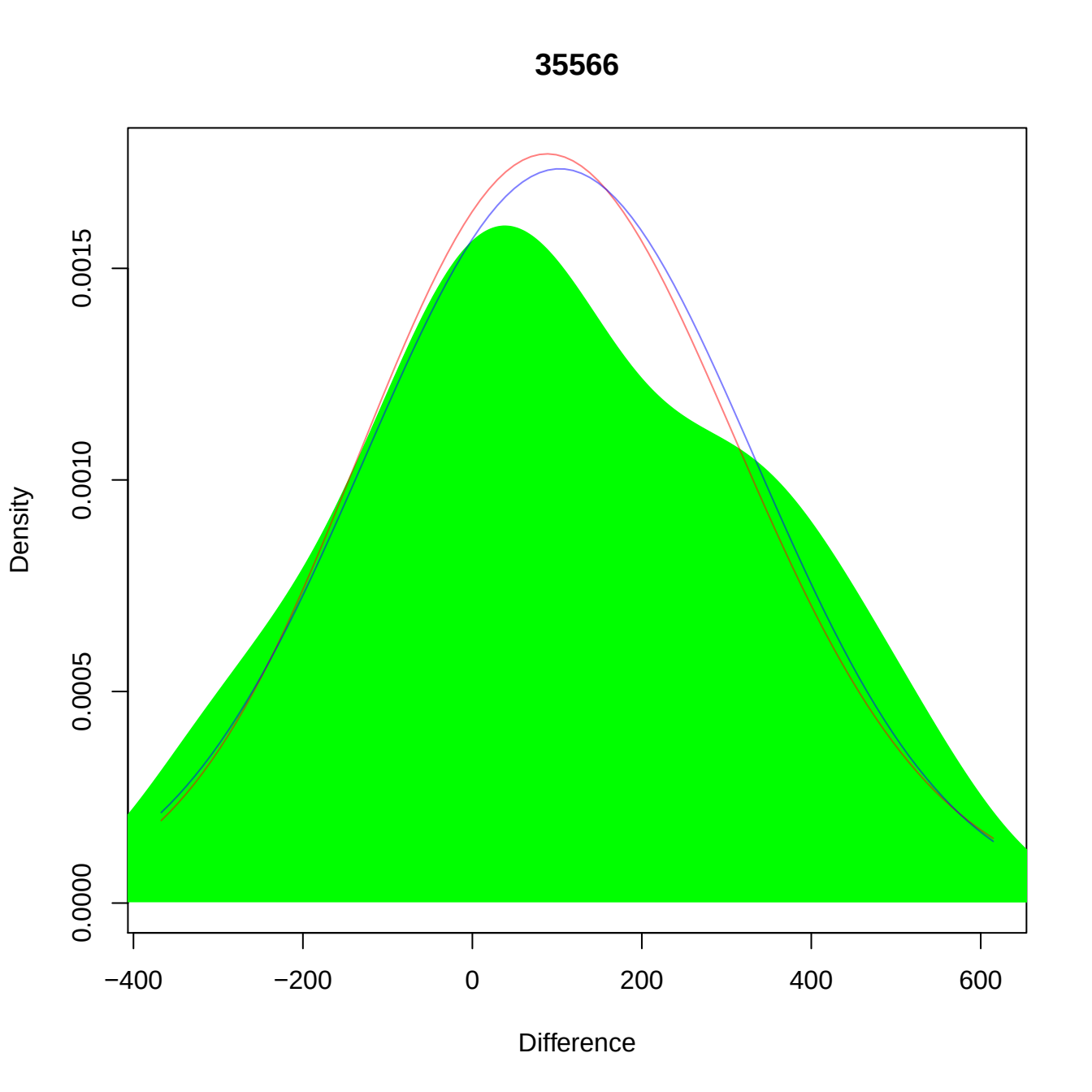
Difference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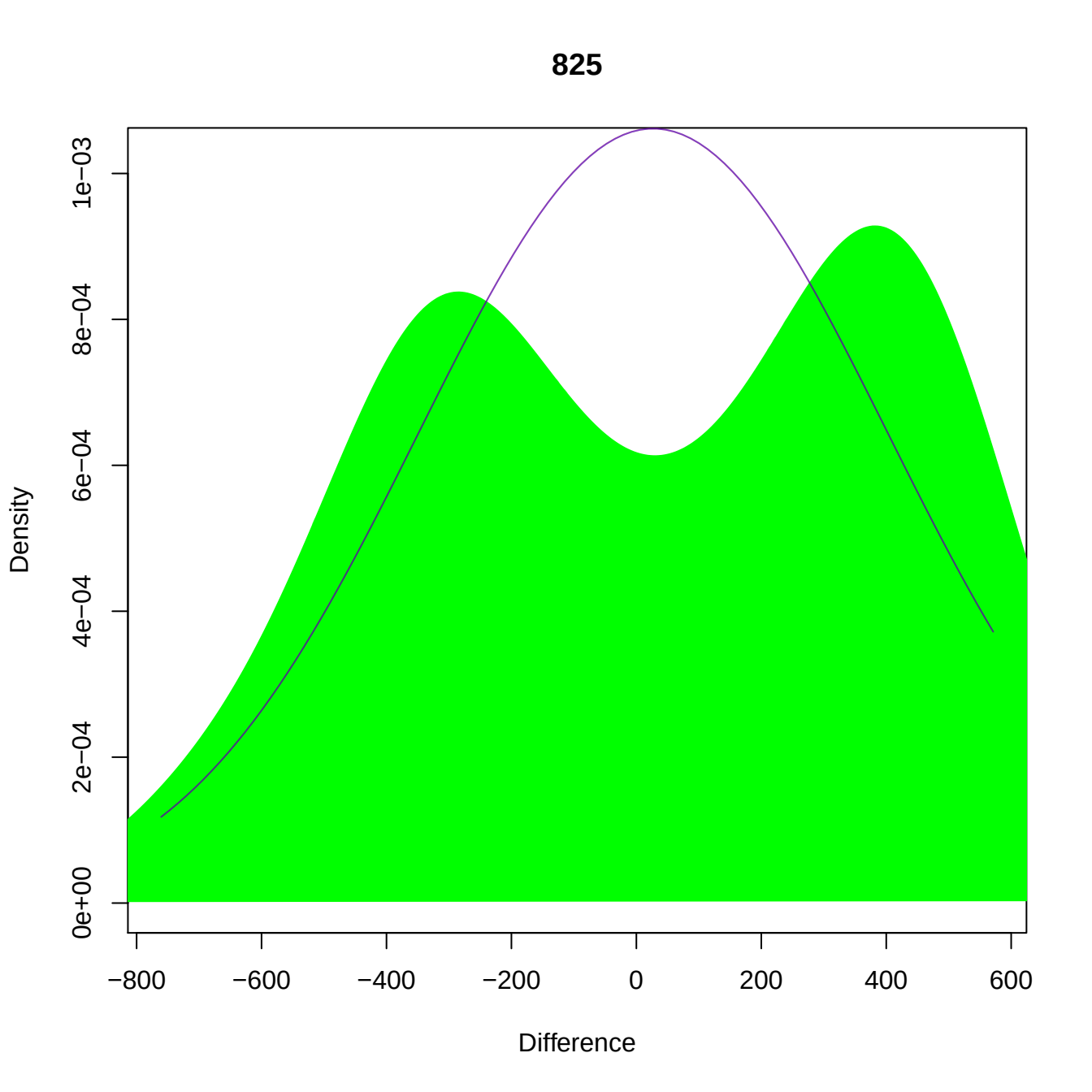
400
600
Difference


825
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6e−04
8e−04
1e−03
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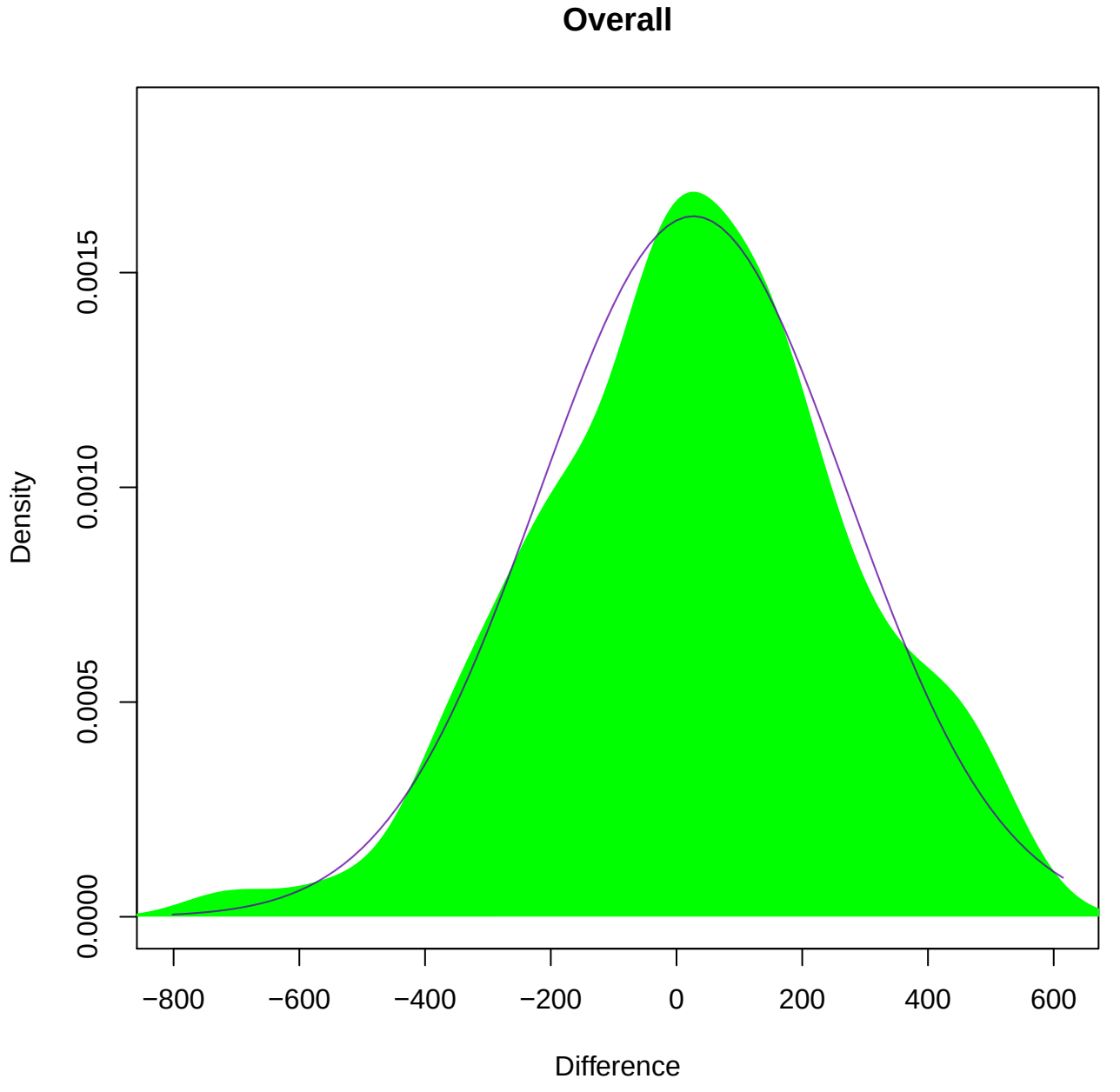
−600
−400
−200
0
200
400
600
Difference


Overall
Density
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0.0005
0.0010
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−600
−400
−200
0
200
400
600
Difference