[1] "Mixed"

Exact binomial test

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

number of successes = 746, number of trials = 1317, p−value = 7.88e−07

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.5435041 1.0000000

sample estimates:

probability of success

0.5664389

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
1619.2	1629.5	−807.6	1615.2	1315

Scaled residuals:

Min	1Q	Median	3Q	Max
−3.0304	−0.8924	0.4150	0.8101	2.0604

Random effects:

Groups	Name	Variance	Std.Dev.
Patient	(Intercept)	1.228	1.108

Number of obs: 1317, groups: Patient, 14

Fixed effects:

	Estimate	Std. Error	z value	Pr(>|z|)
(Intercept)	0.3217	0.3047	1.056	0.291

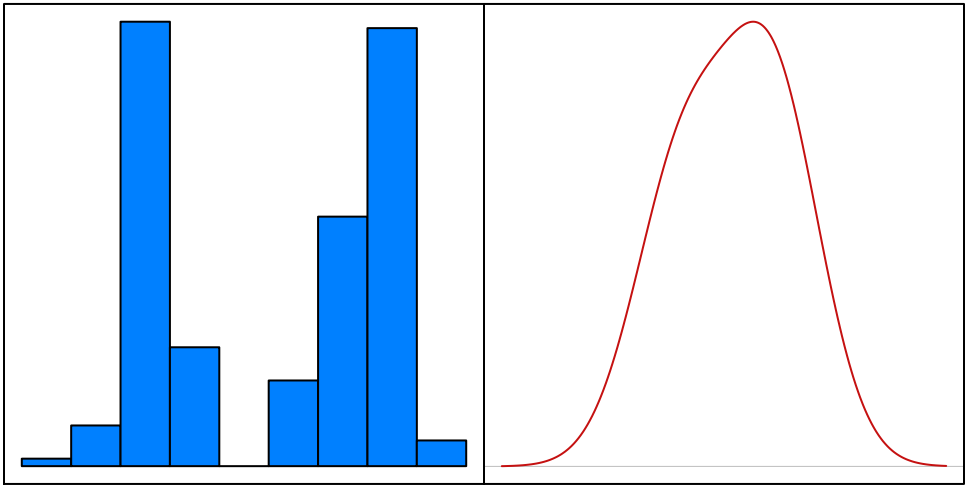
[1] "AIC: 1619.16129557413, null AIC: 1804.42714946063"

[2] "p−value: 0"

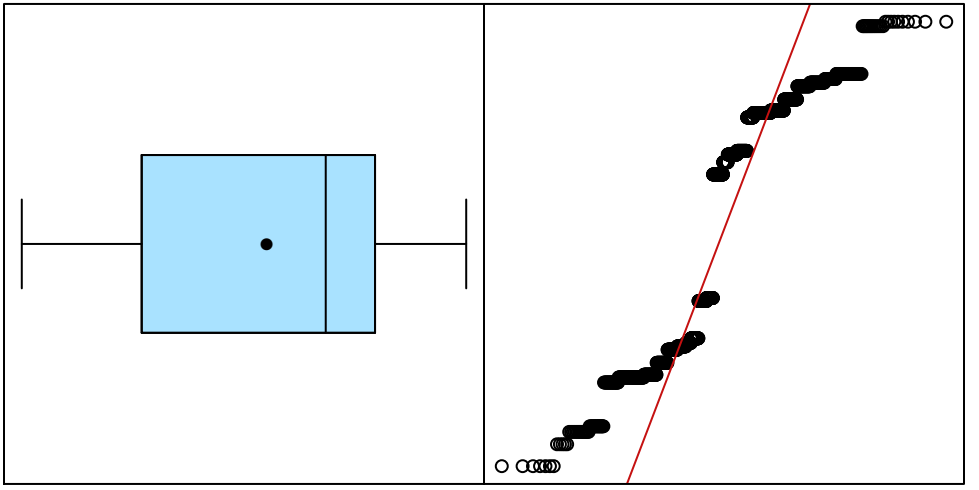
[3] "mean: 0.57974432304816"

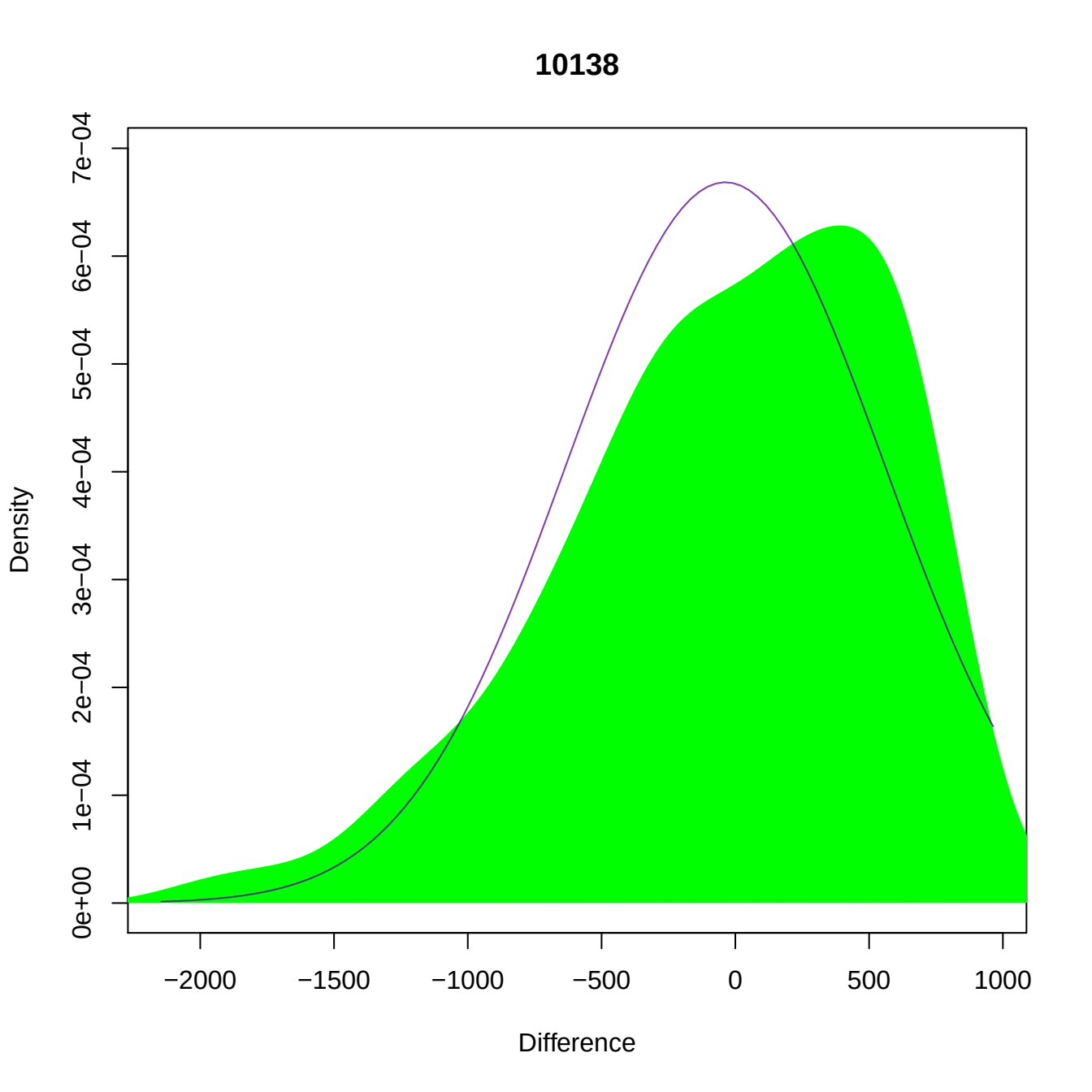
EXPLORATORY DATA ANALYSIS

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)

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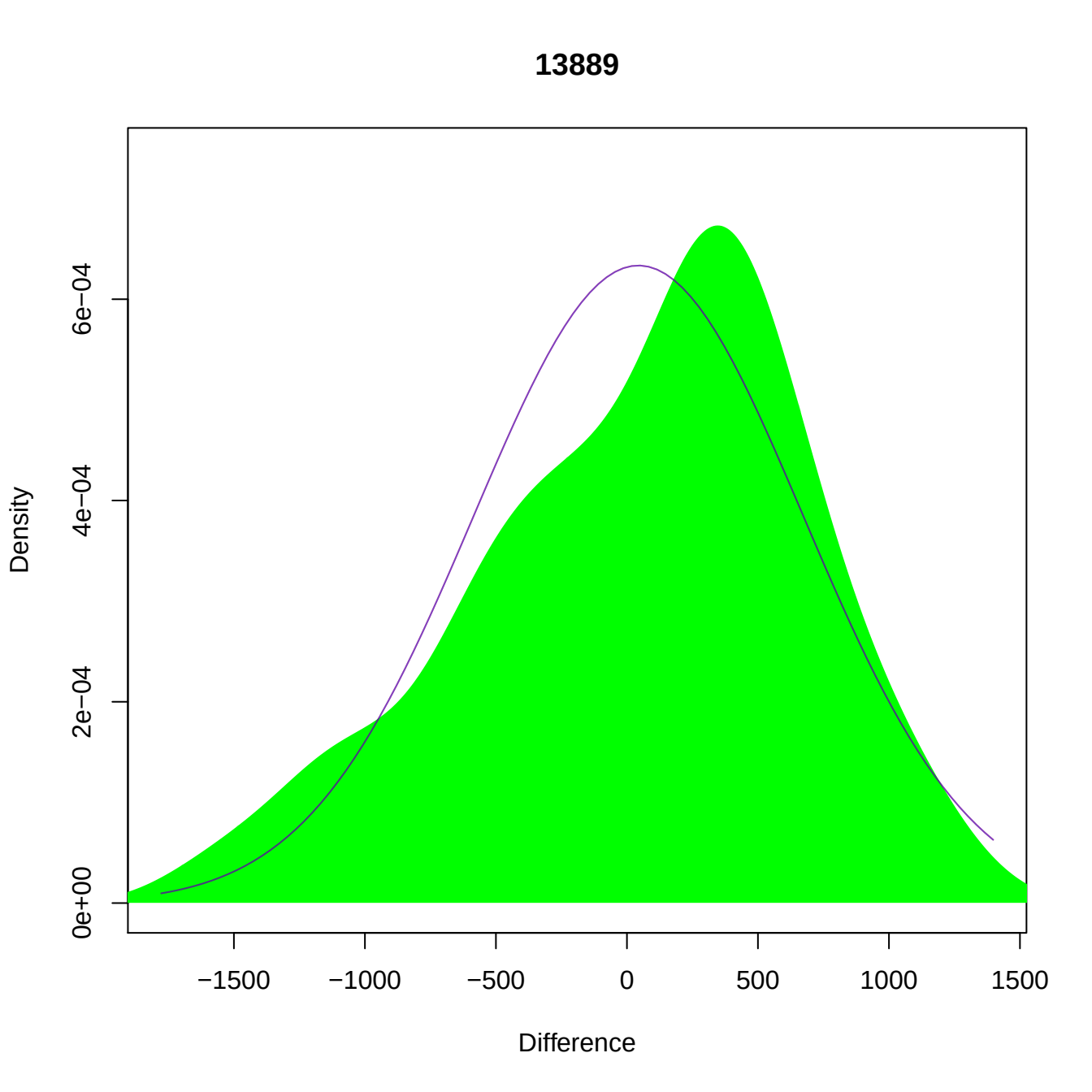
−500
0
500
1000
Difference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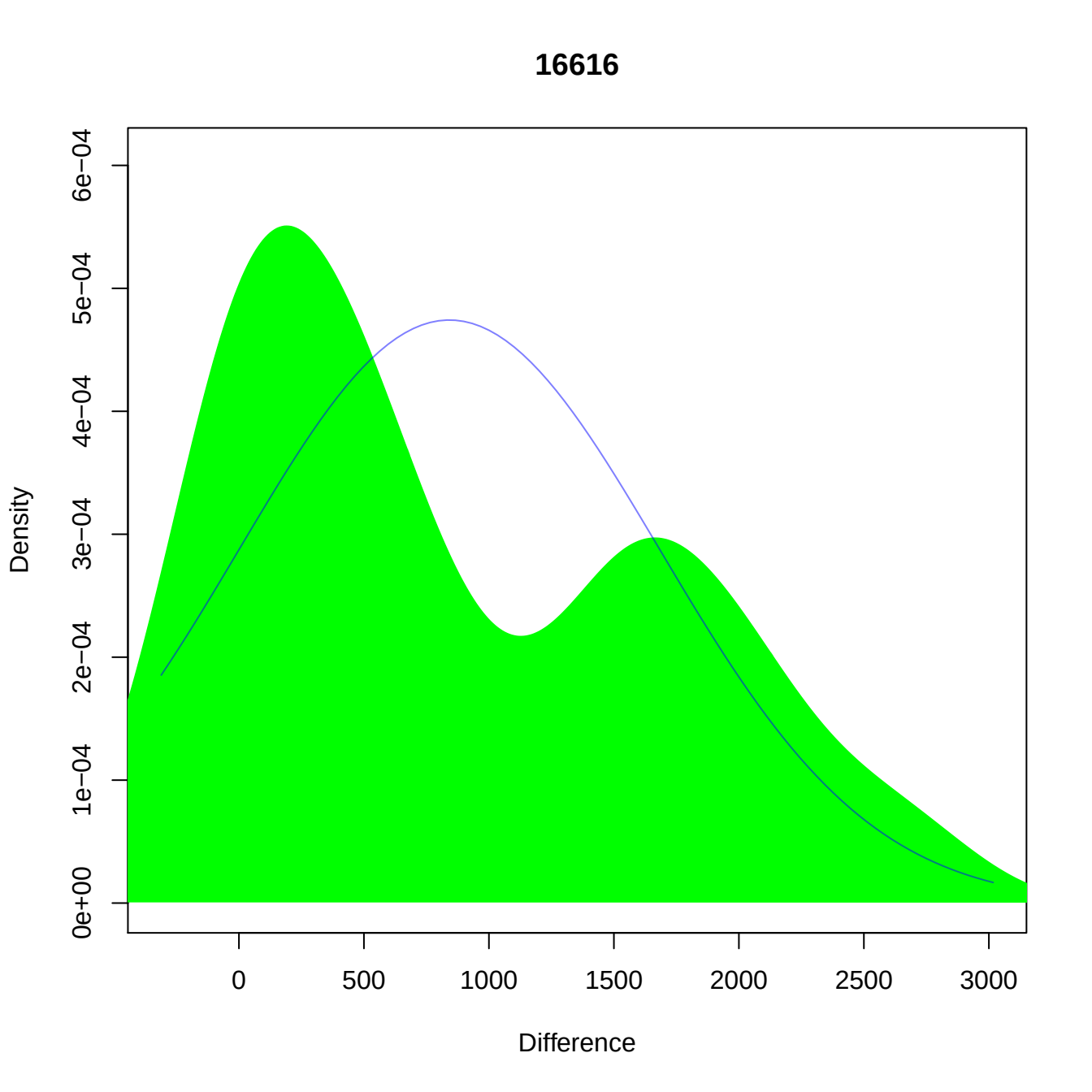
1500
Difference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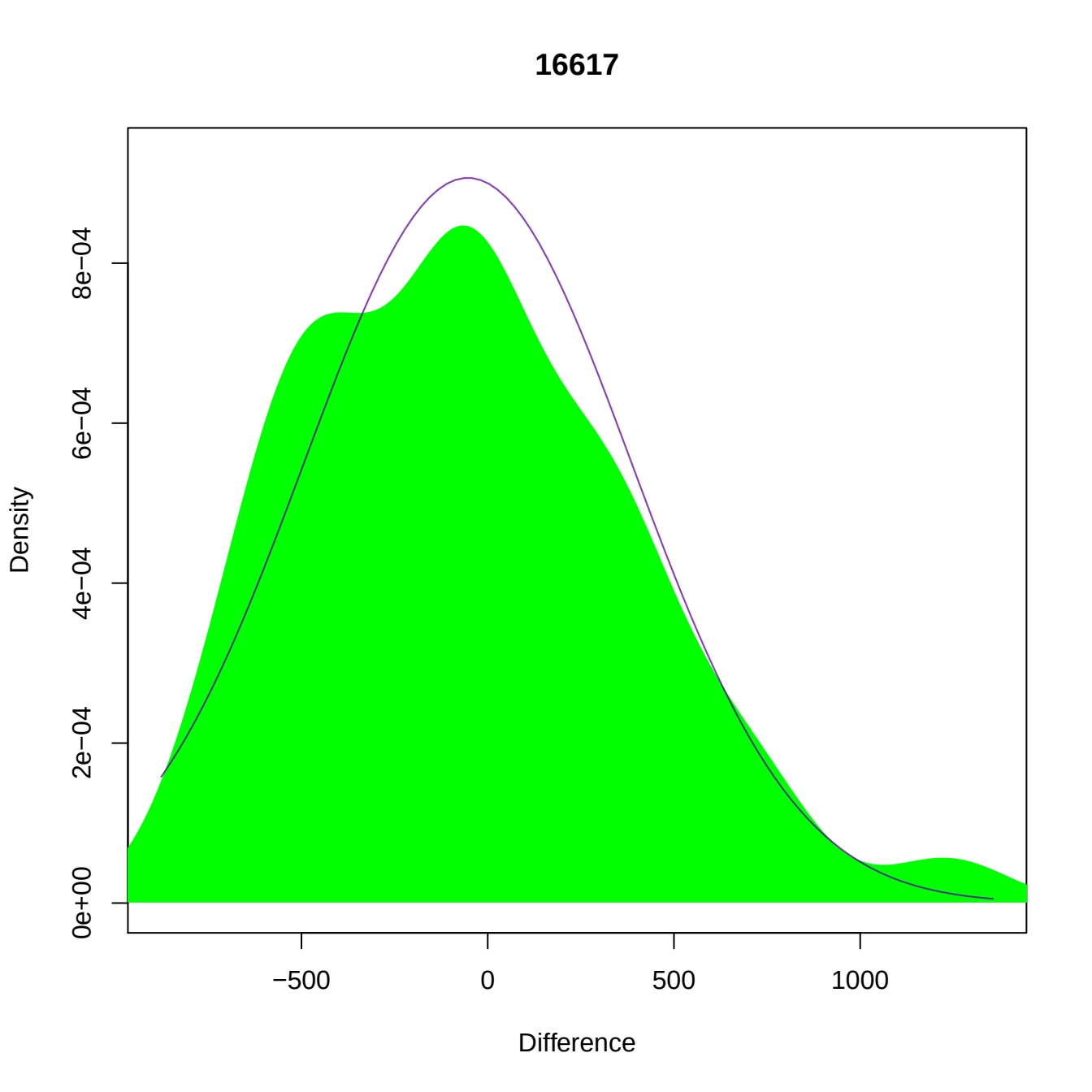
2000
2500
3000
Difference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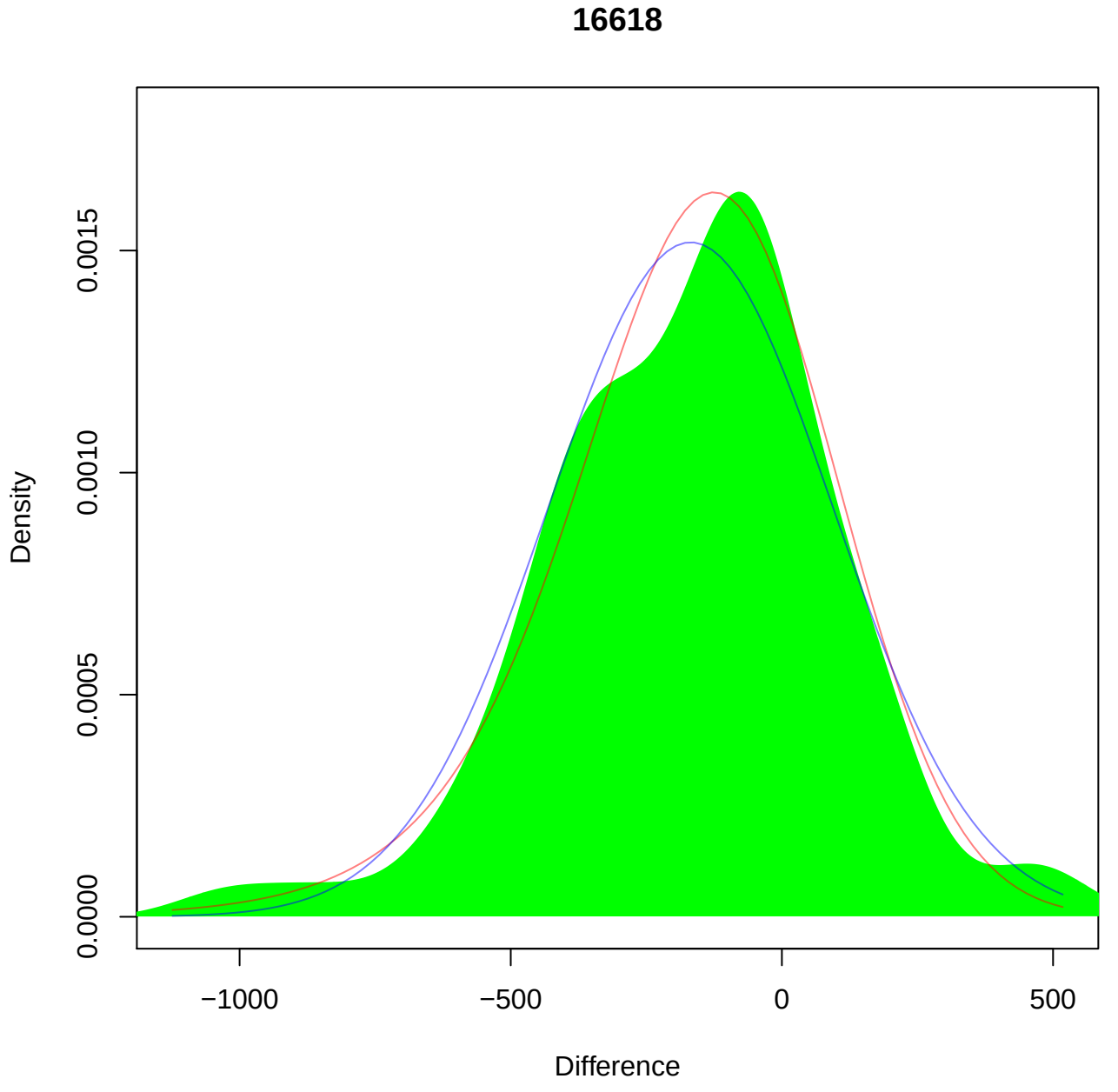
Difference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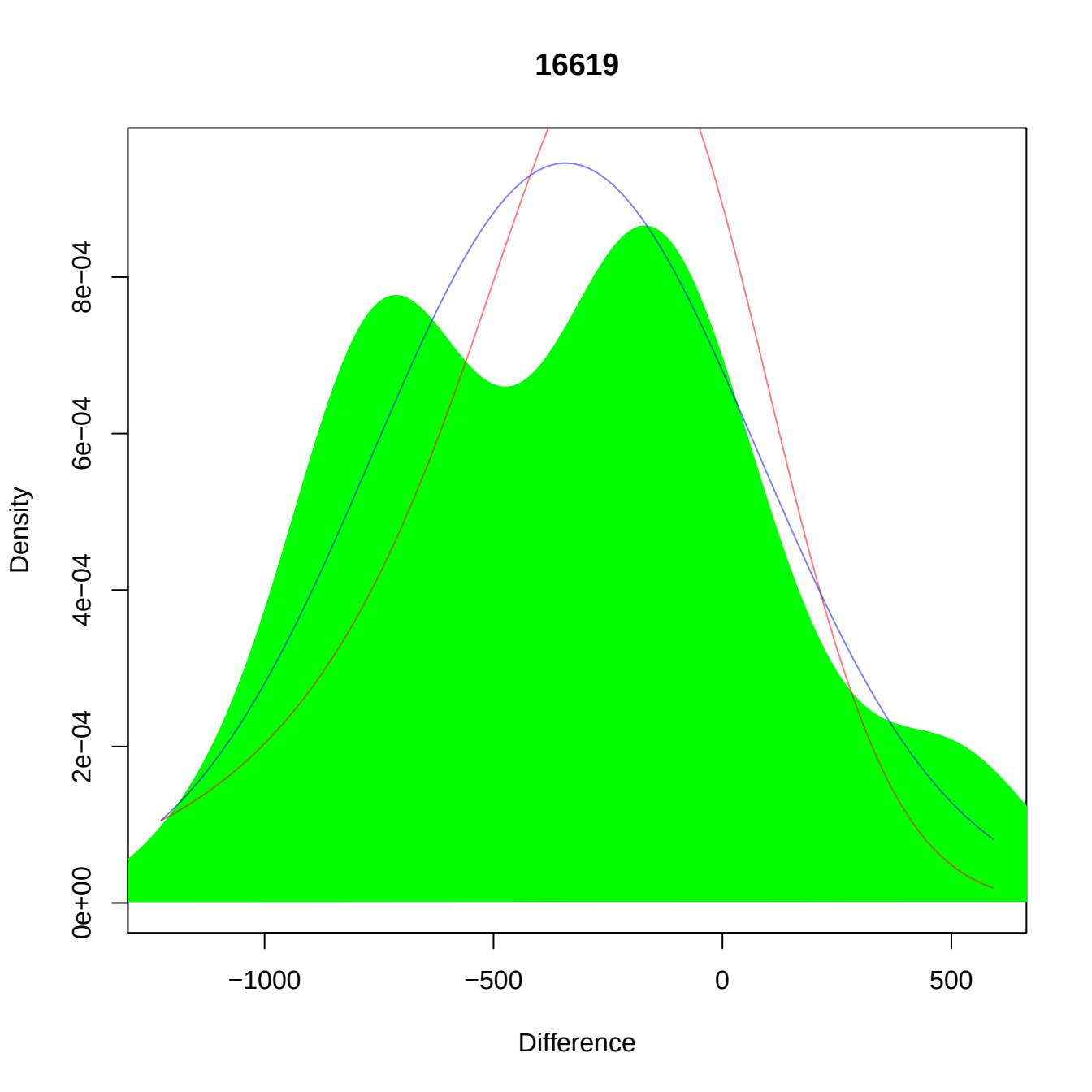
Difference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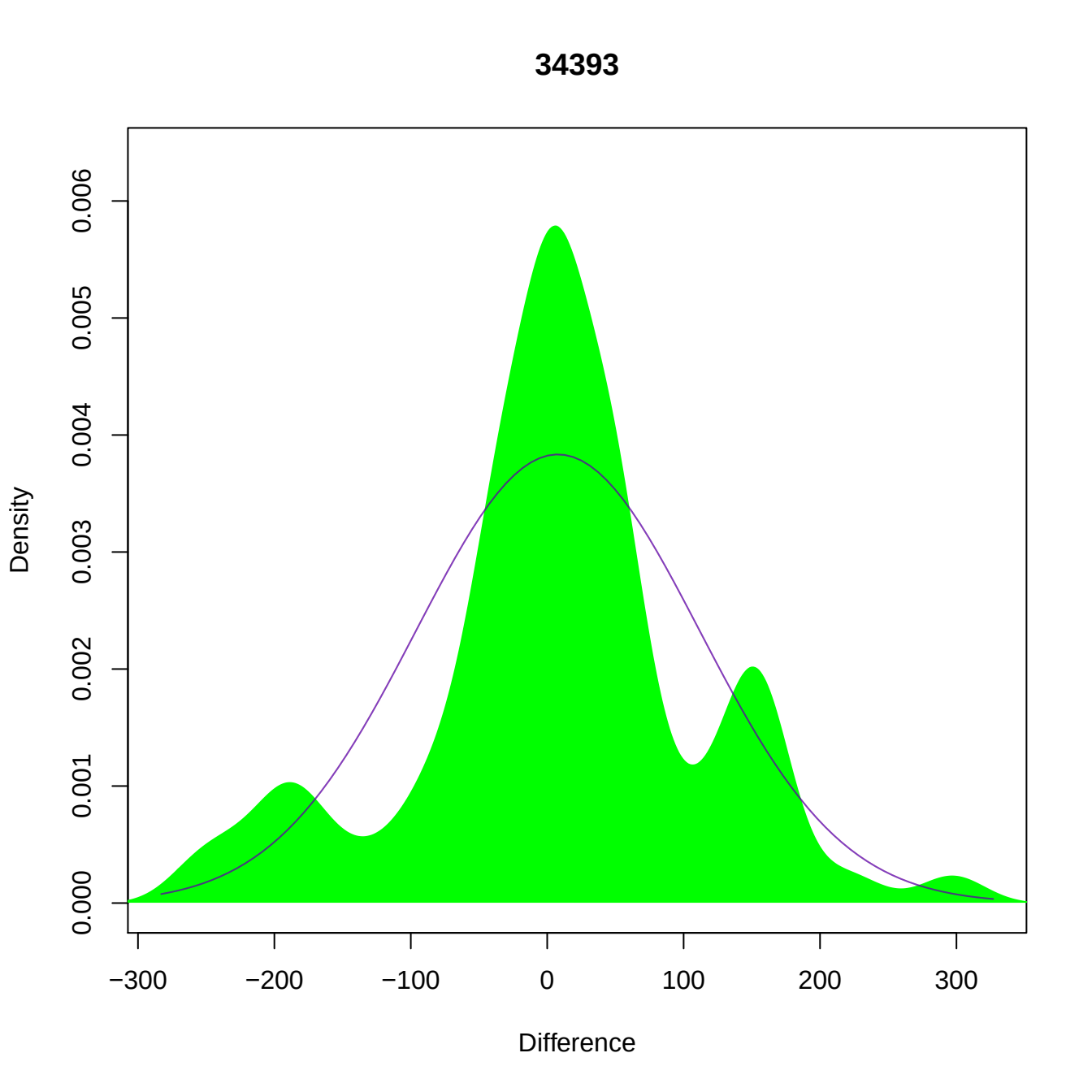
Difference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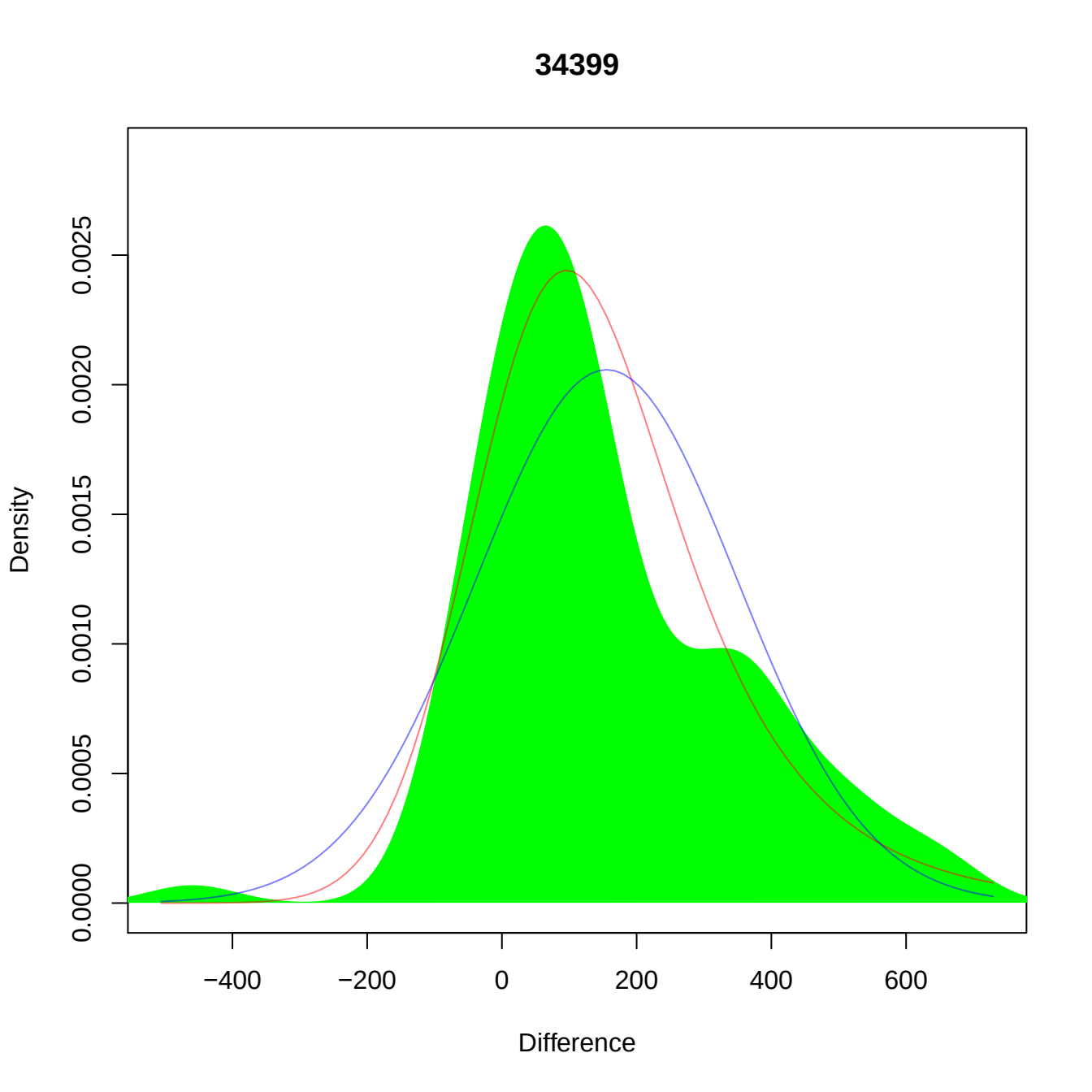
Difference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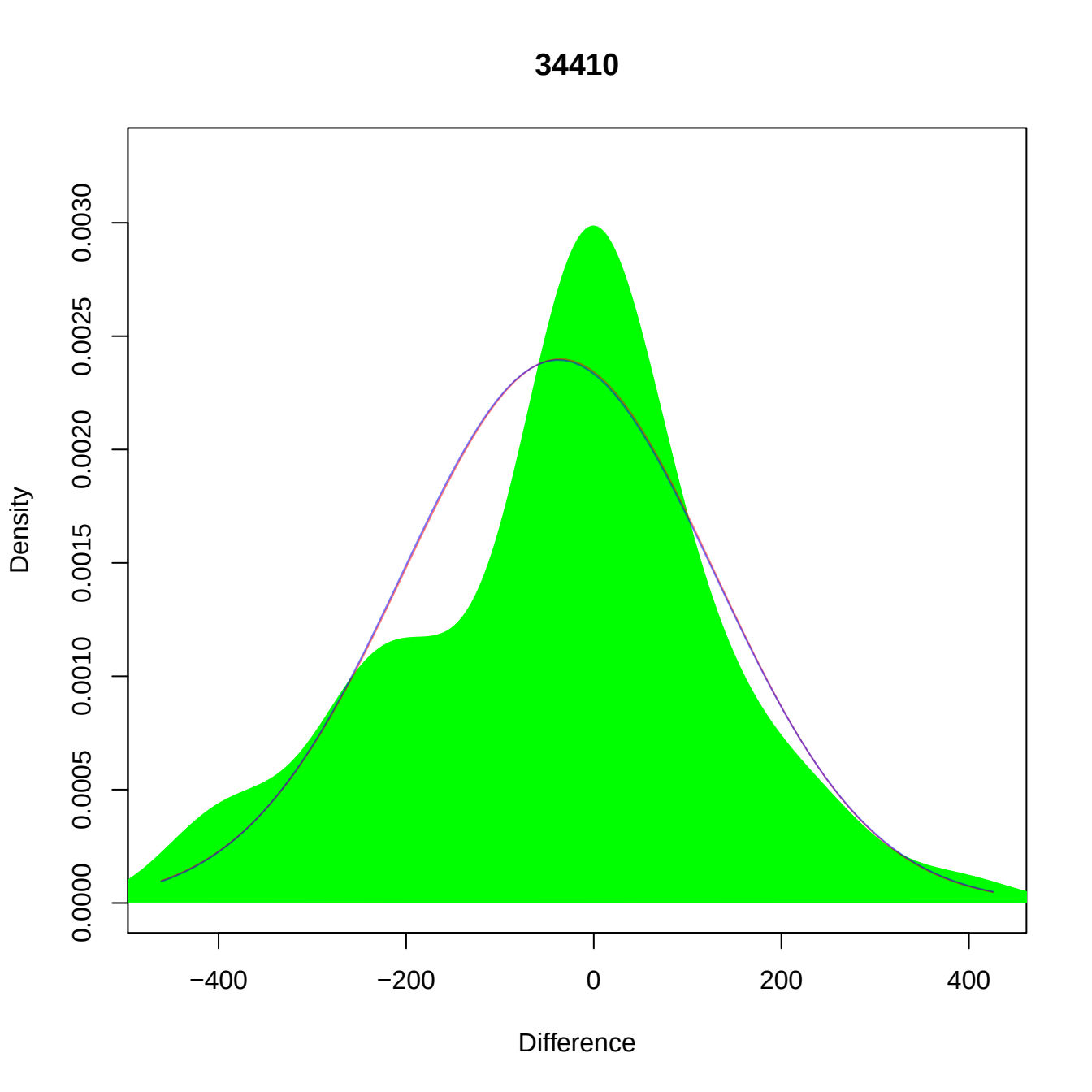
Difference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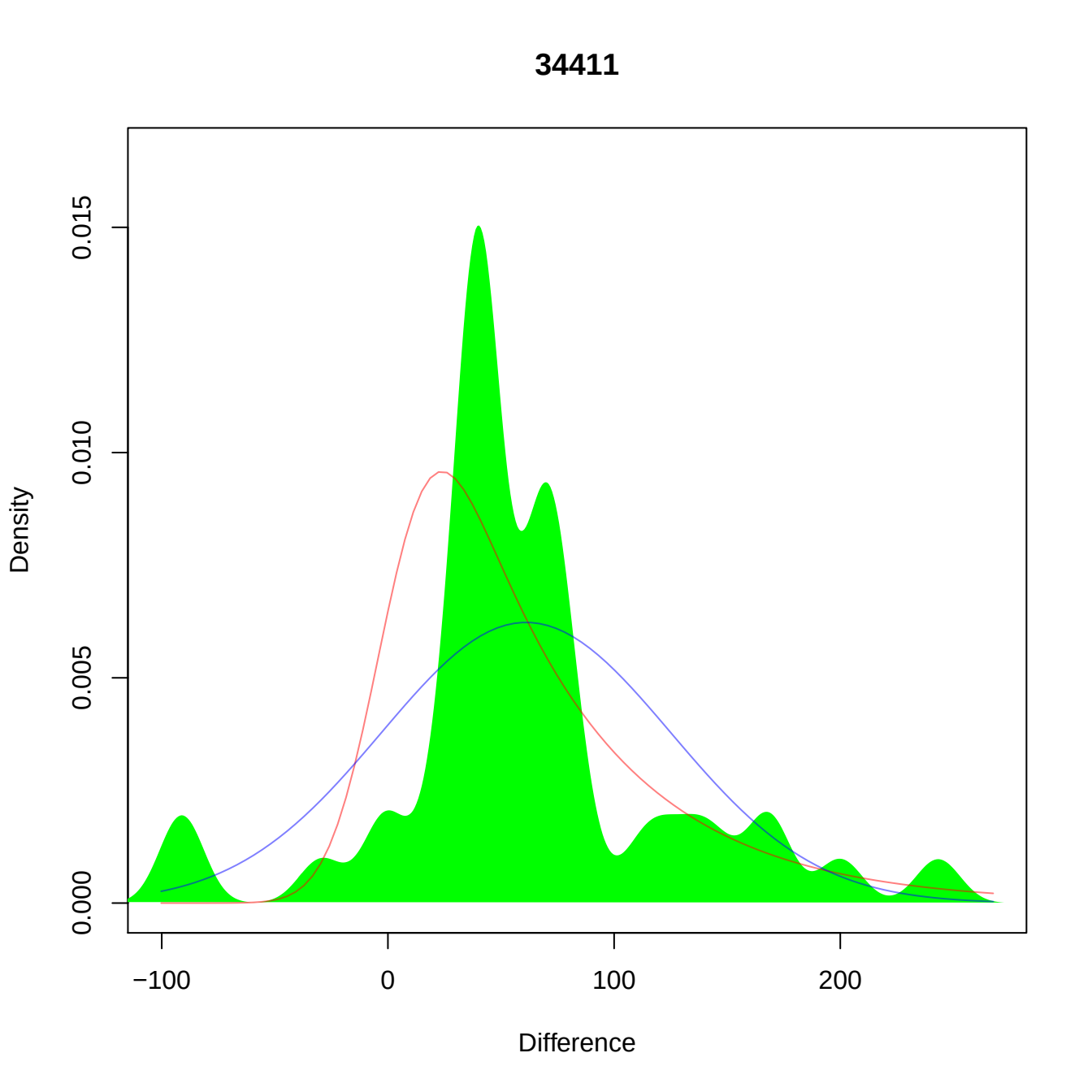
Difference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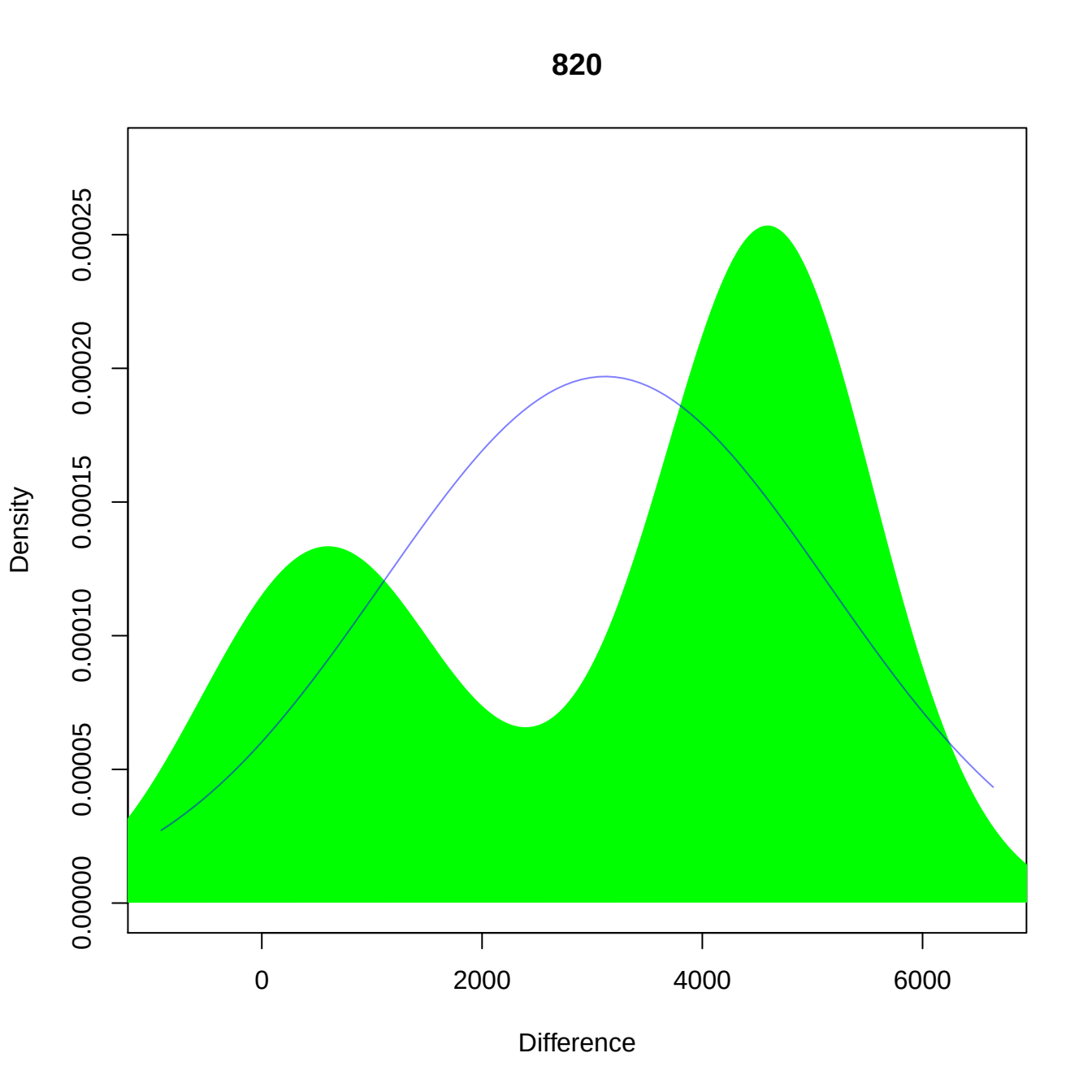
Difference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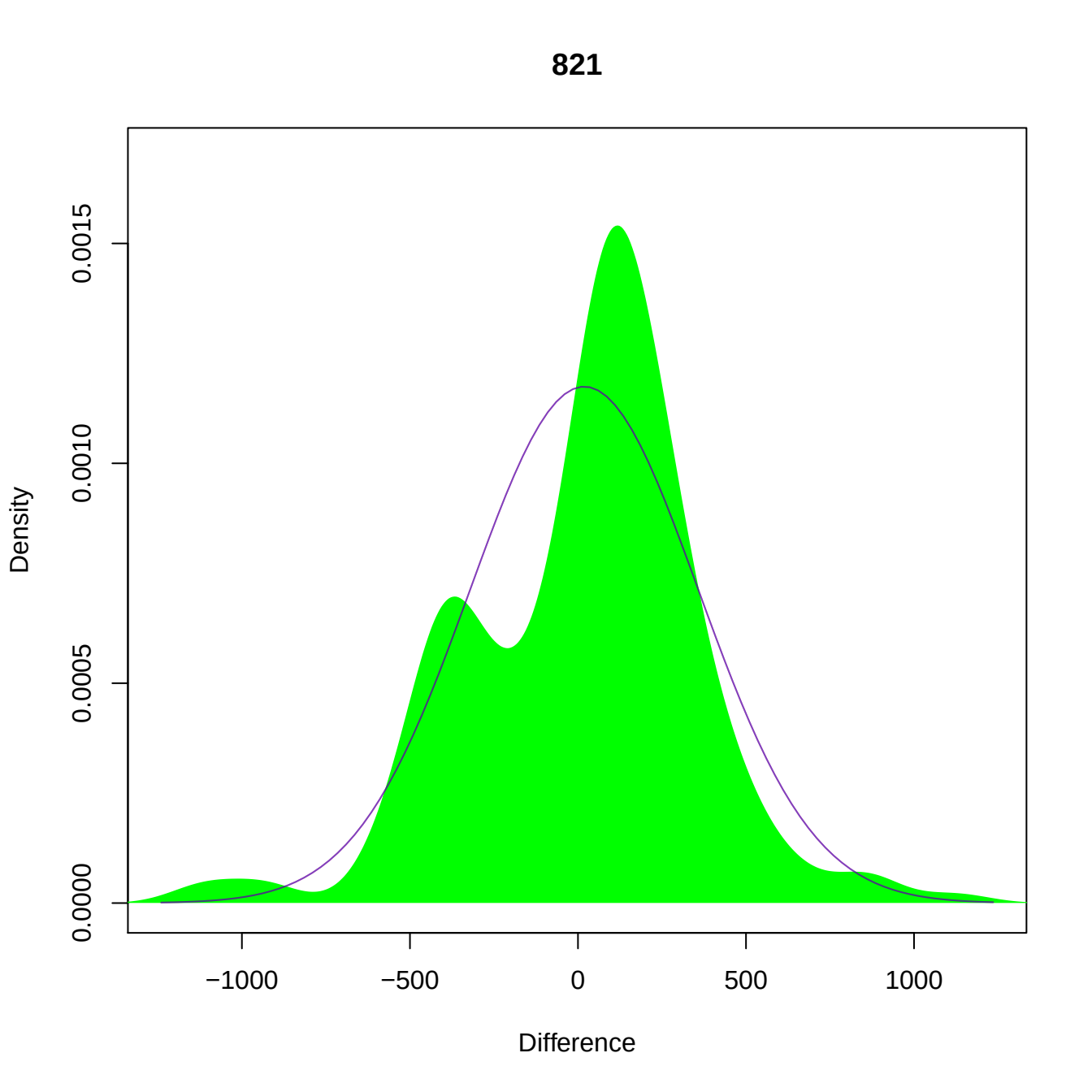
4000
6000
Difference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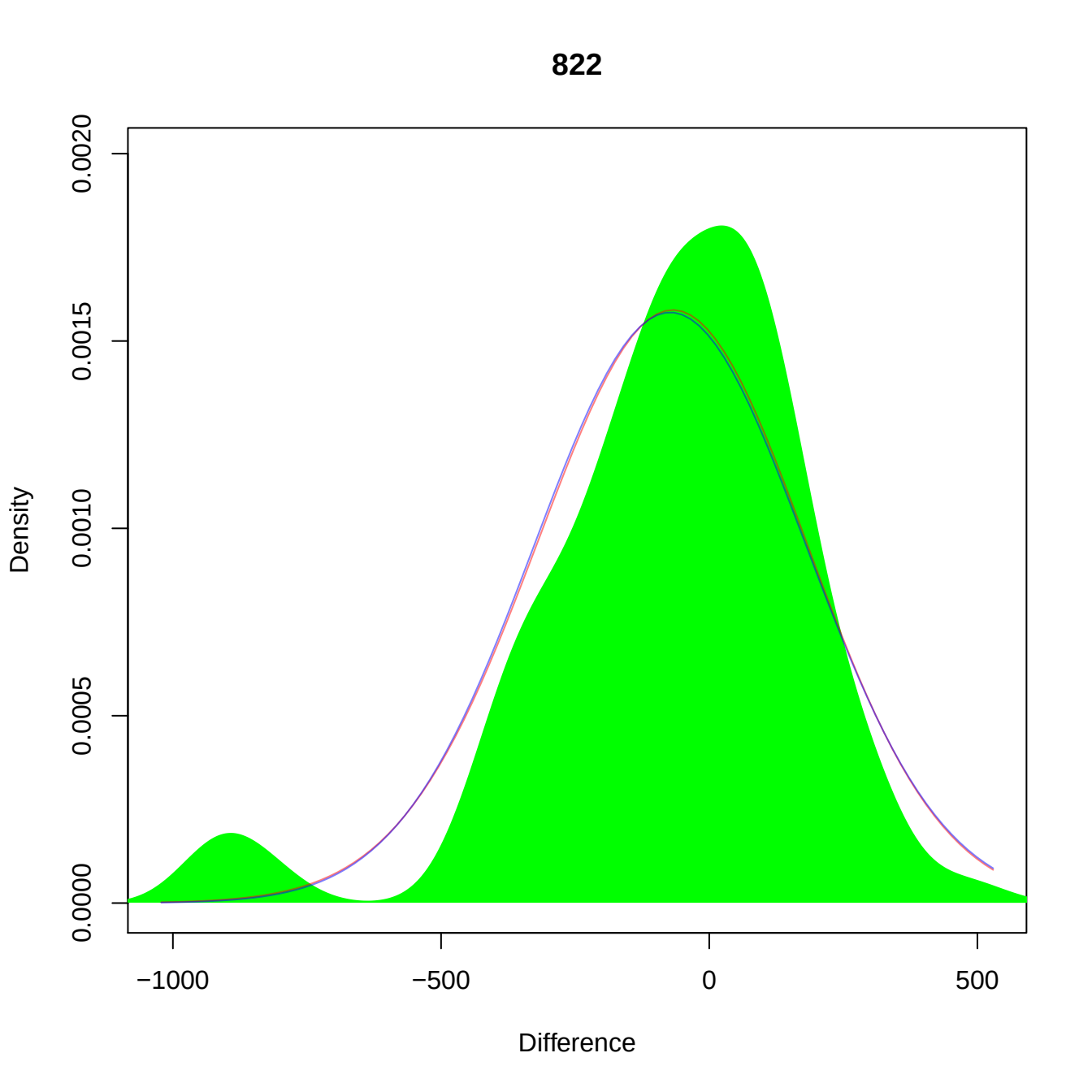
Difference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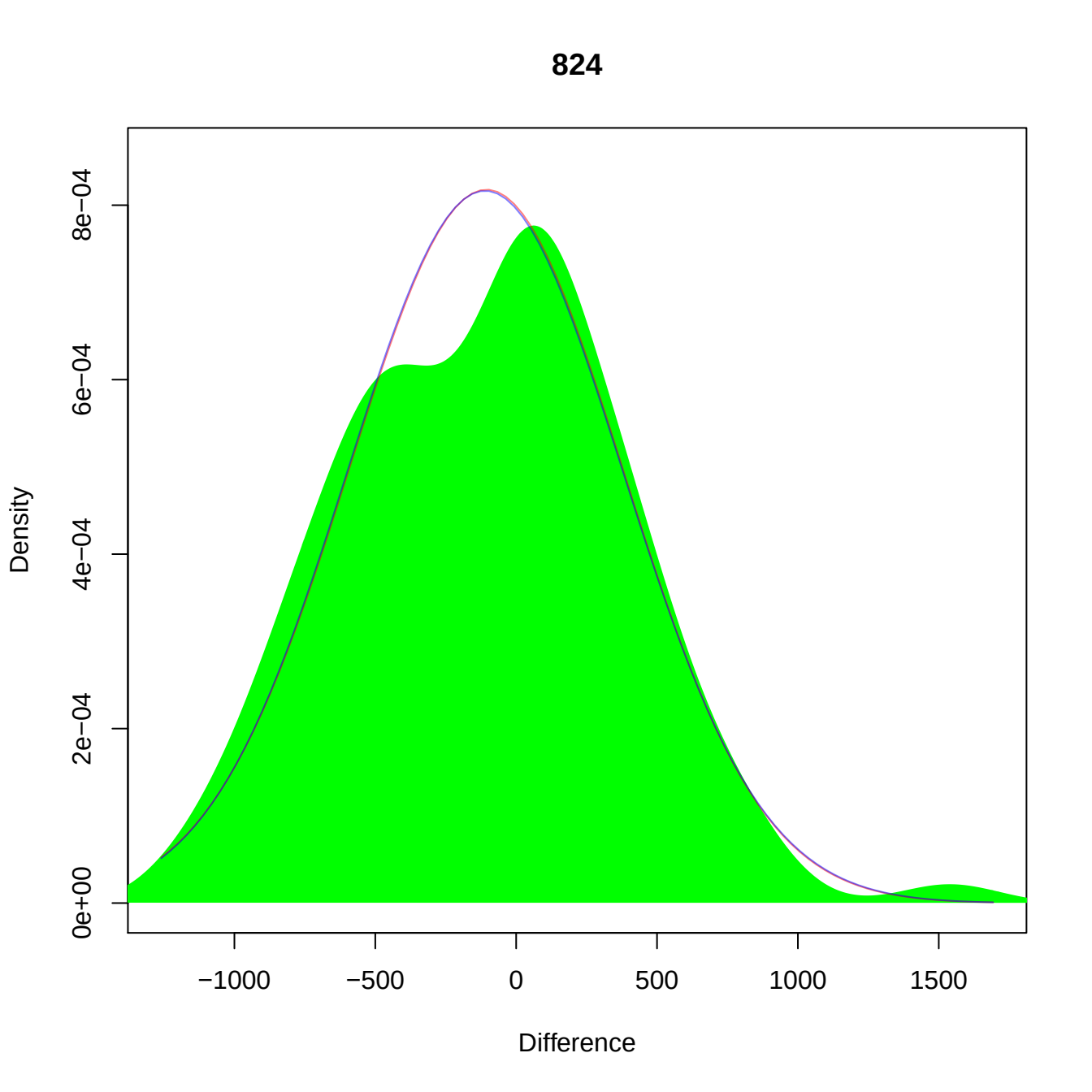
Difference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Density
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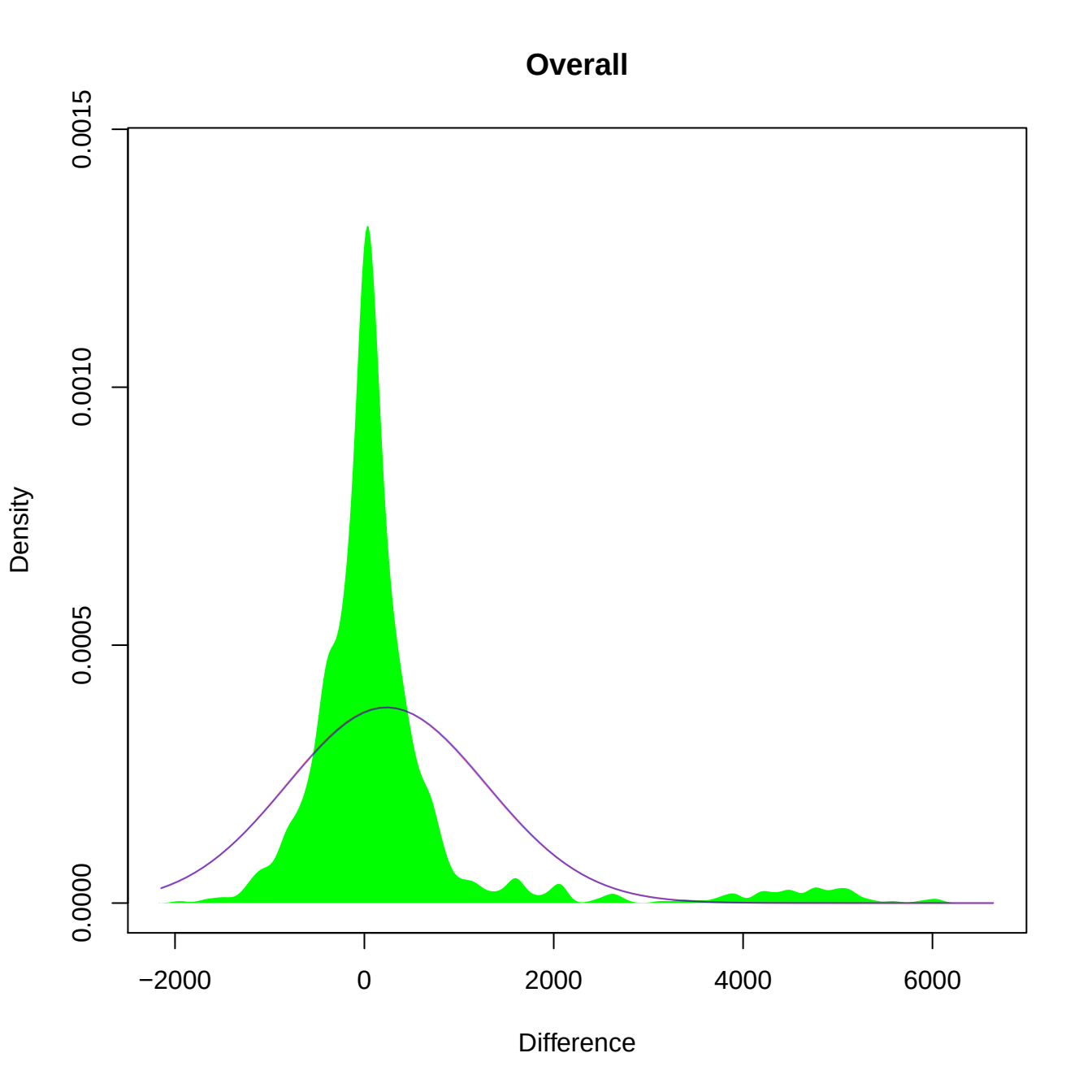
1000
1500
Difference


Overall
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0.0010
0.0005
0.0000
Density
−2000
0
2000
4000
6000
Difference