[1] "Simulated w/ latency 2"

Exact binomial test

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

number of successes = 1780, number of trials = 2500, p−value < 2.2e−16

alternative hypothesis: true probability of success is greater than 0.5

95 percent confidence interval:

0.696724 1.000000

sample estimates:

probability of success

0.712

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
2991.1	3002.7	−1493.5	2987.1	2498

Scaled residuals:

Min	1Q	Median	3Q	Max
−2.1427	−1.3486	0.5805	0.6421	0.7767

Random effects:

Groups	Name	Variance	Std.Dev.
Patient	(Intercept)	0.1006	0.3172

Number of obs: 2500, groups: Patient, 50

Fixed effects:

	Estimate	Std. Error	z value	Pr(>|z|)
(Intercept)	0.92631	0.06368	14.55	<2e−16 ***

−−−
Signif. codes: 0 ...***... 0.001 ...**... 0.01 ...*... 0.05 ..... 0.1 1

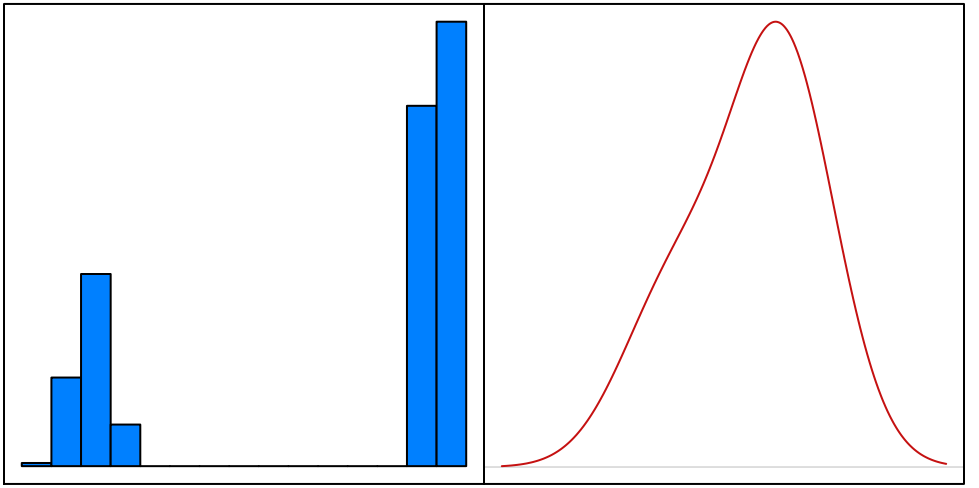
[1] "AIC: 2991.0777385421, null AIC: 3003.75593888829"

[2] "p−value: 0.000127512561499343"

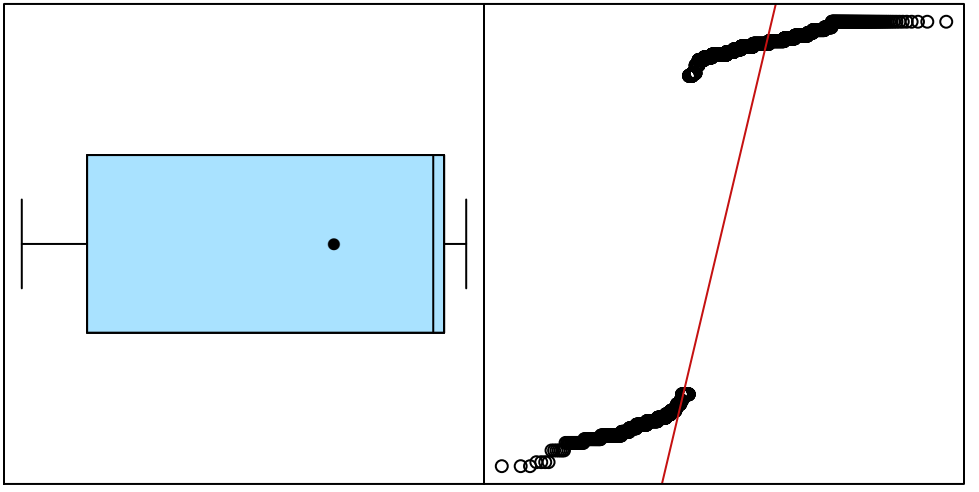
[3] "mean: 0.716326105473746"

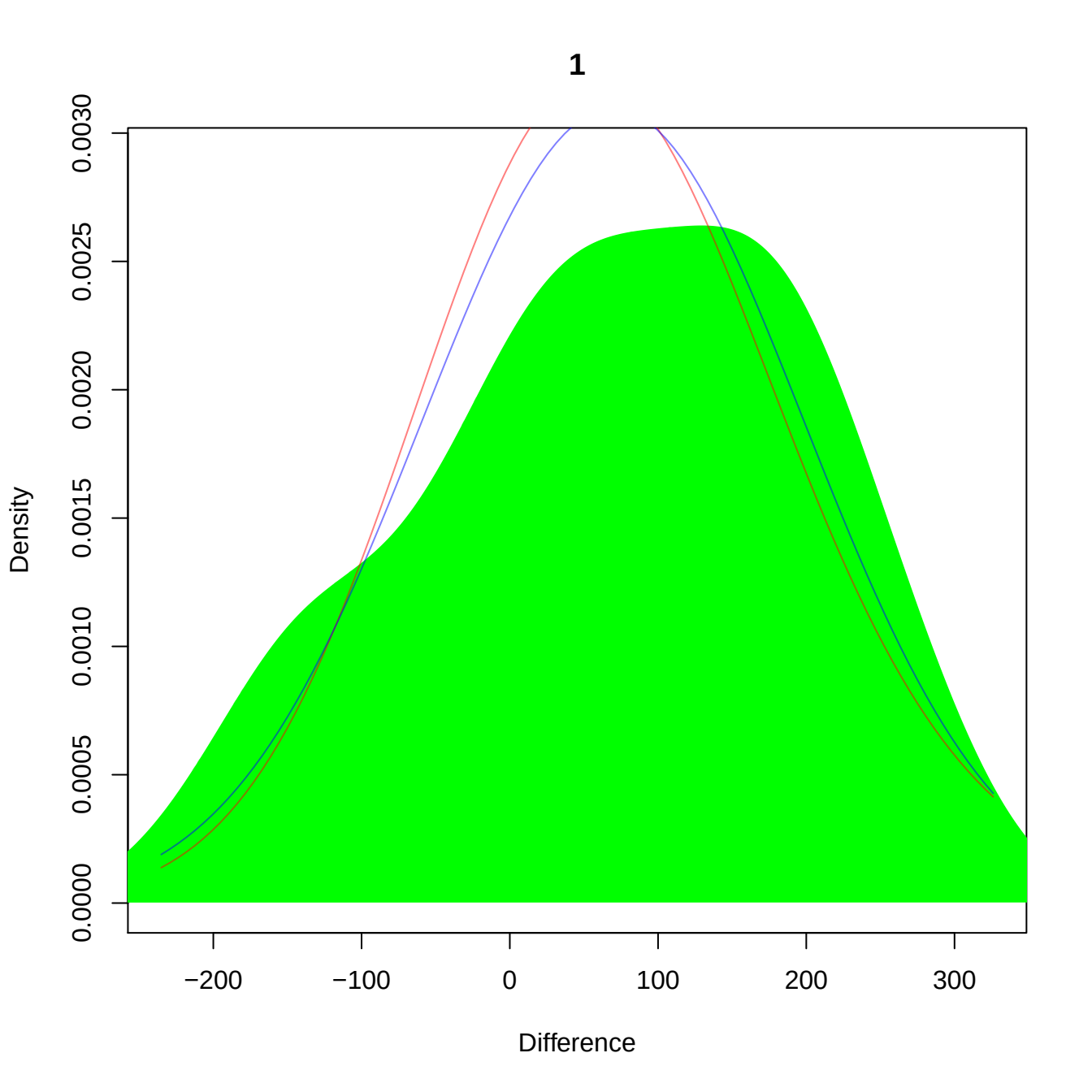
EXPLORATORY DATA ANALYSIS

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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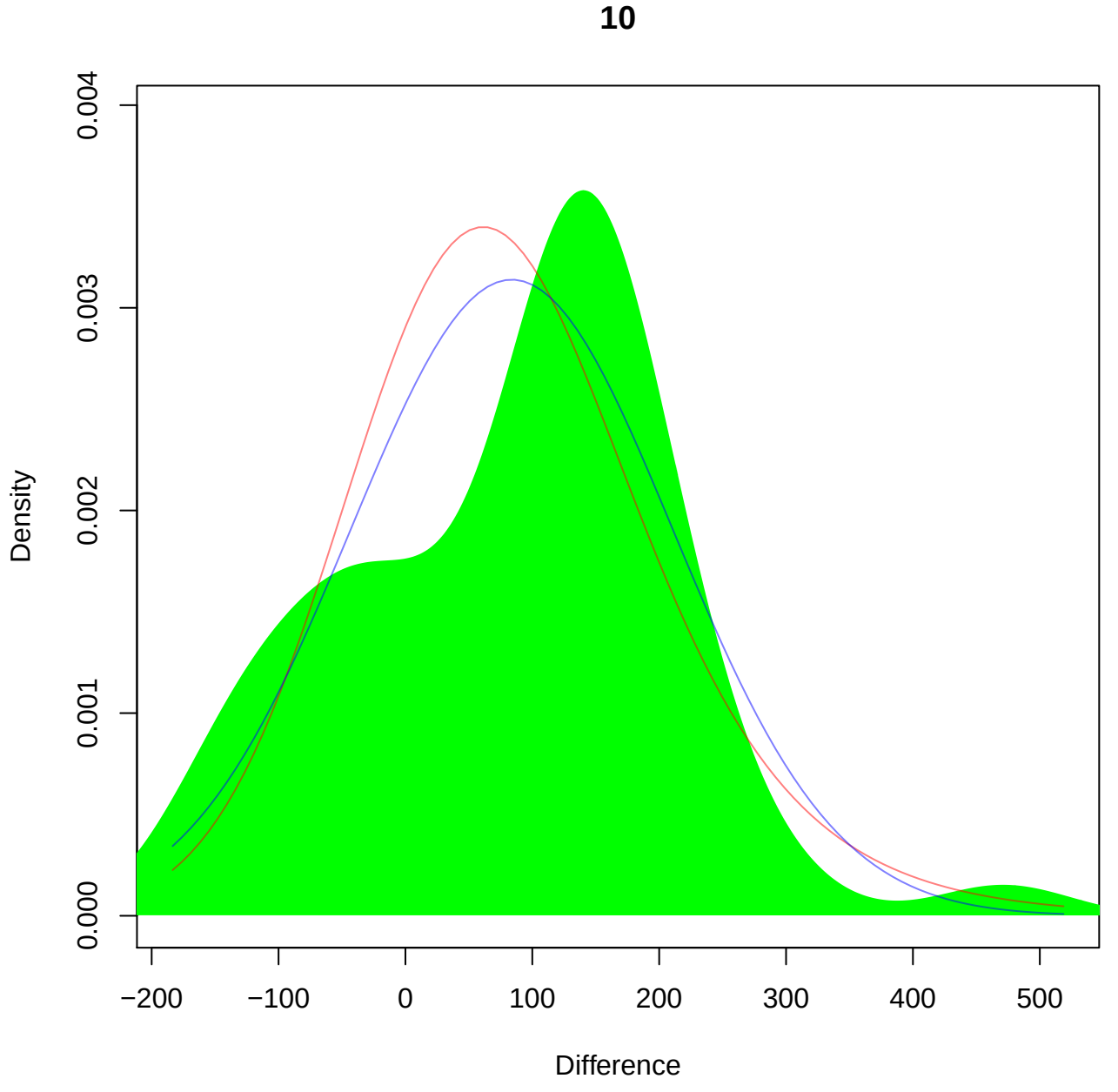
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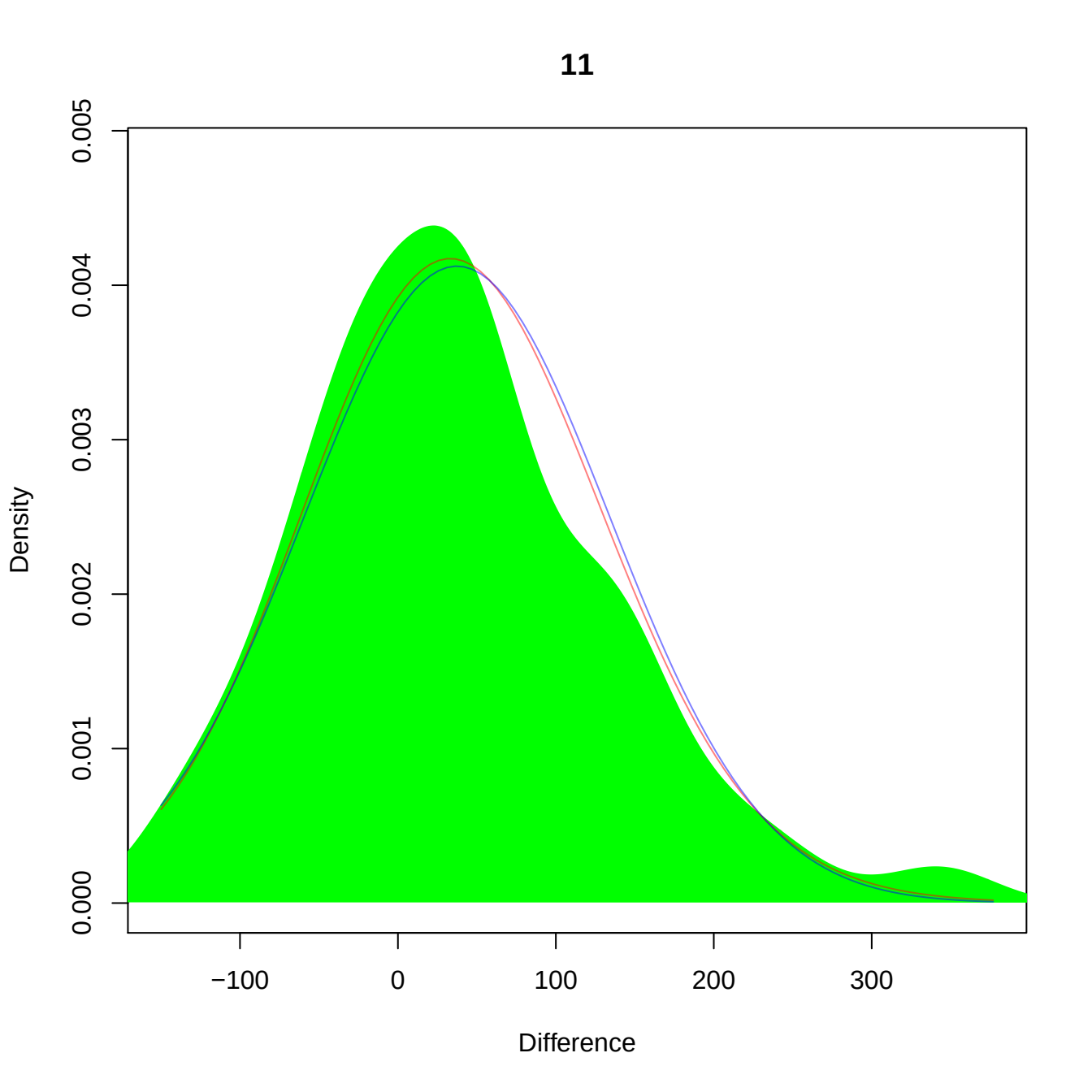
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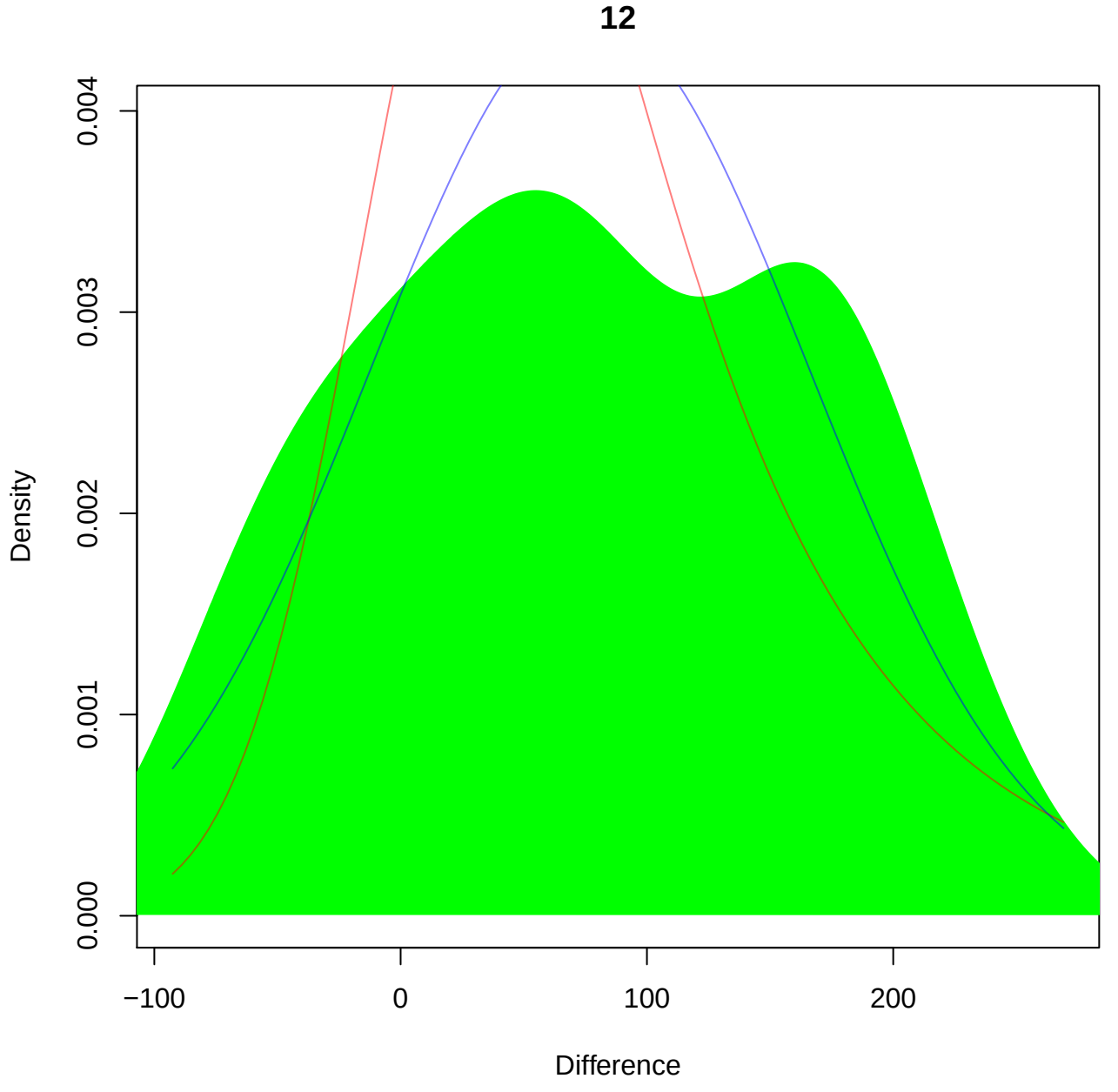
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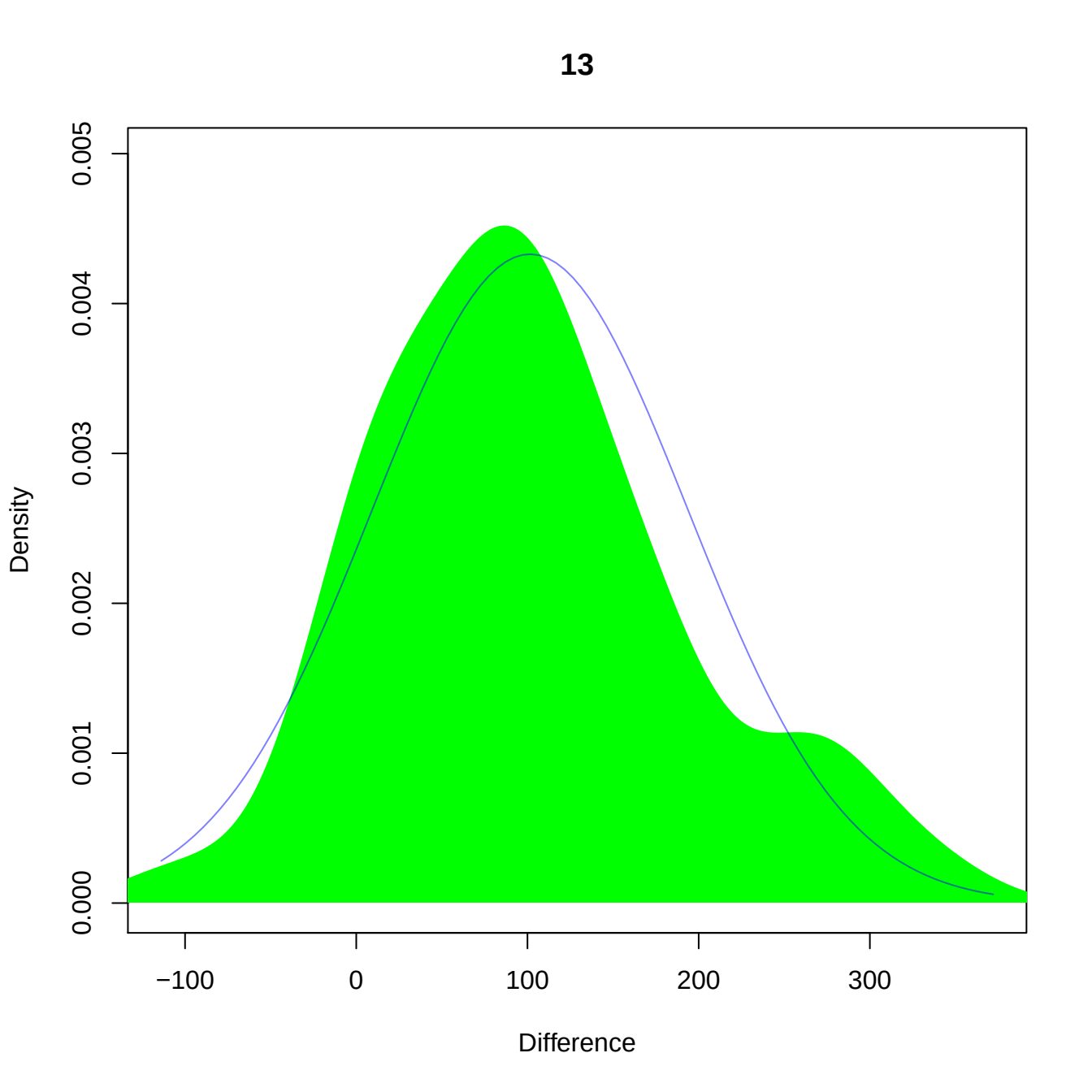
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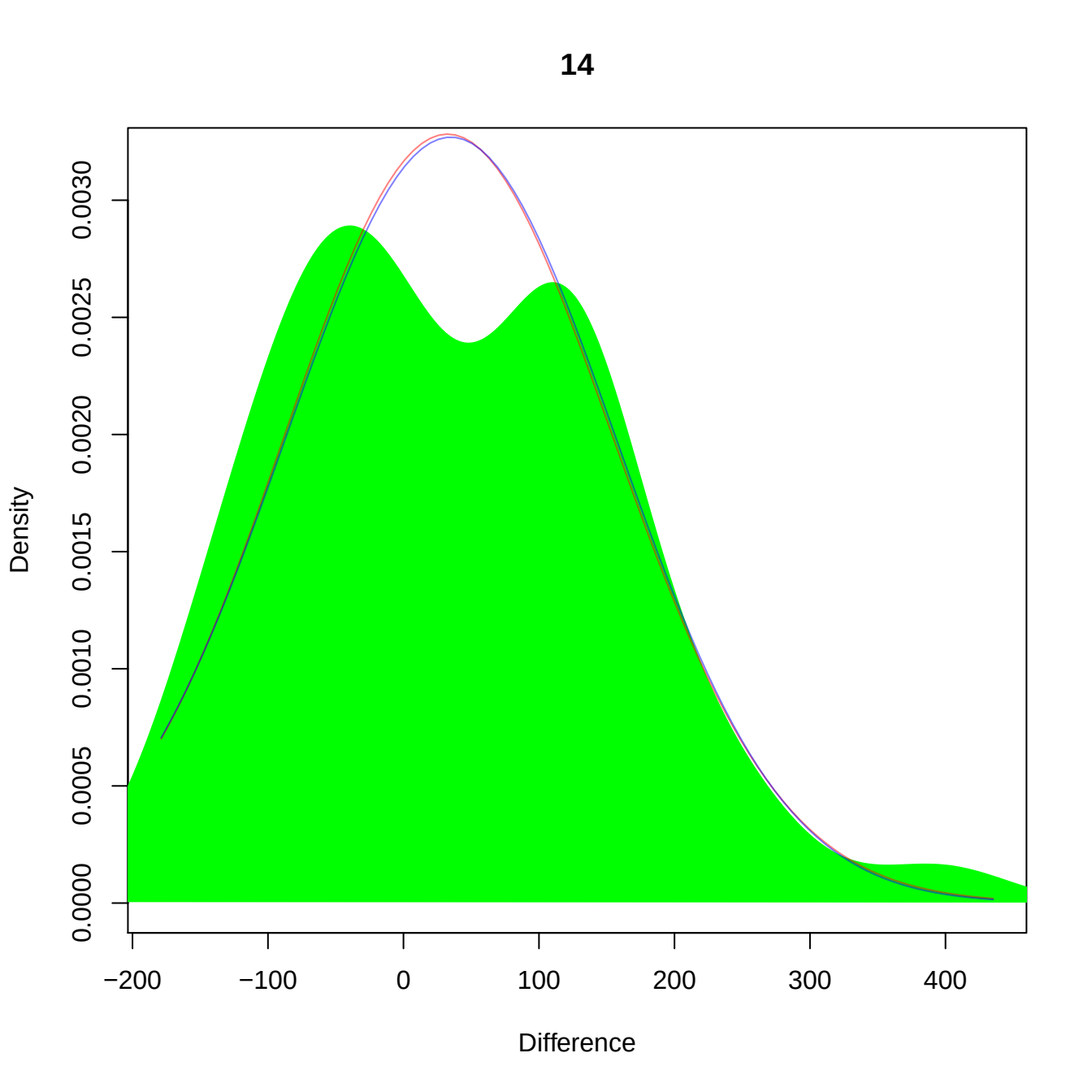
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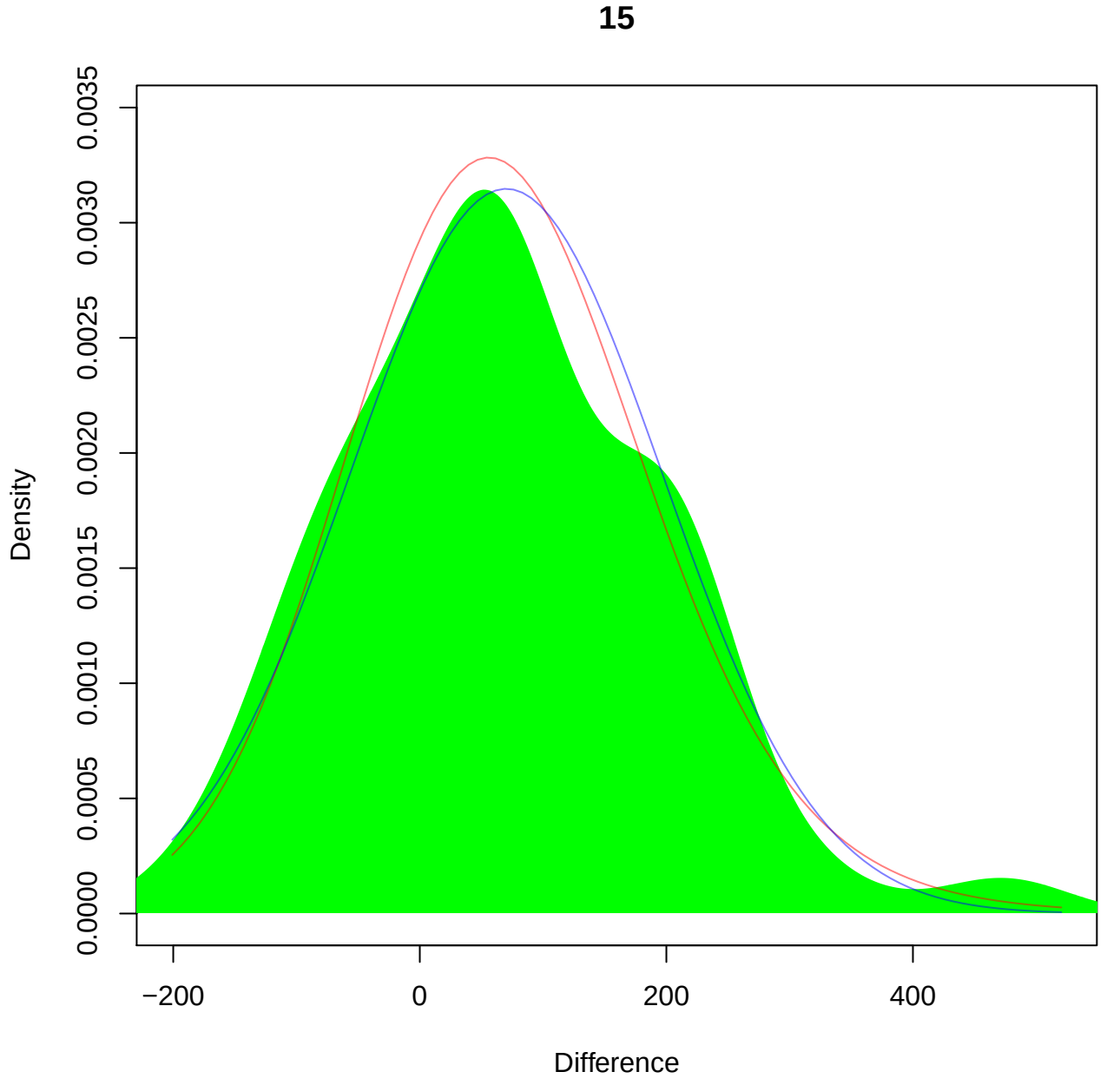
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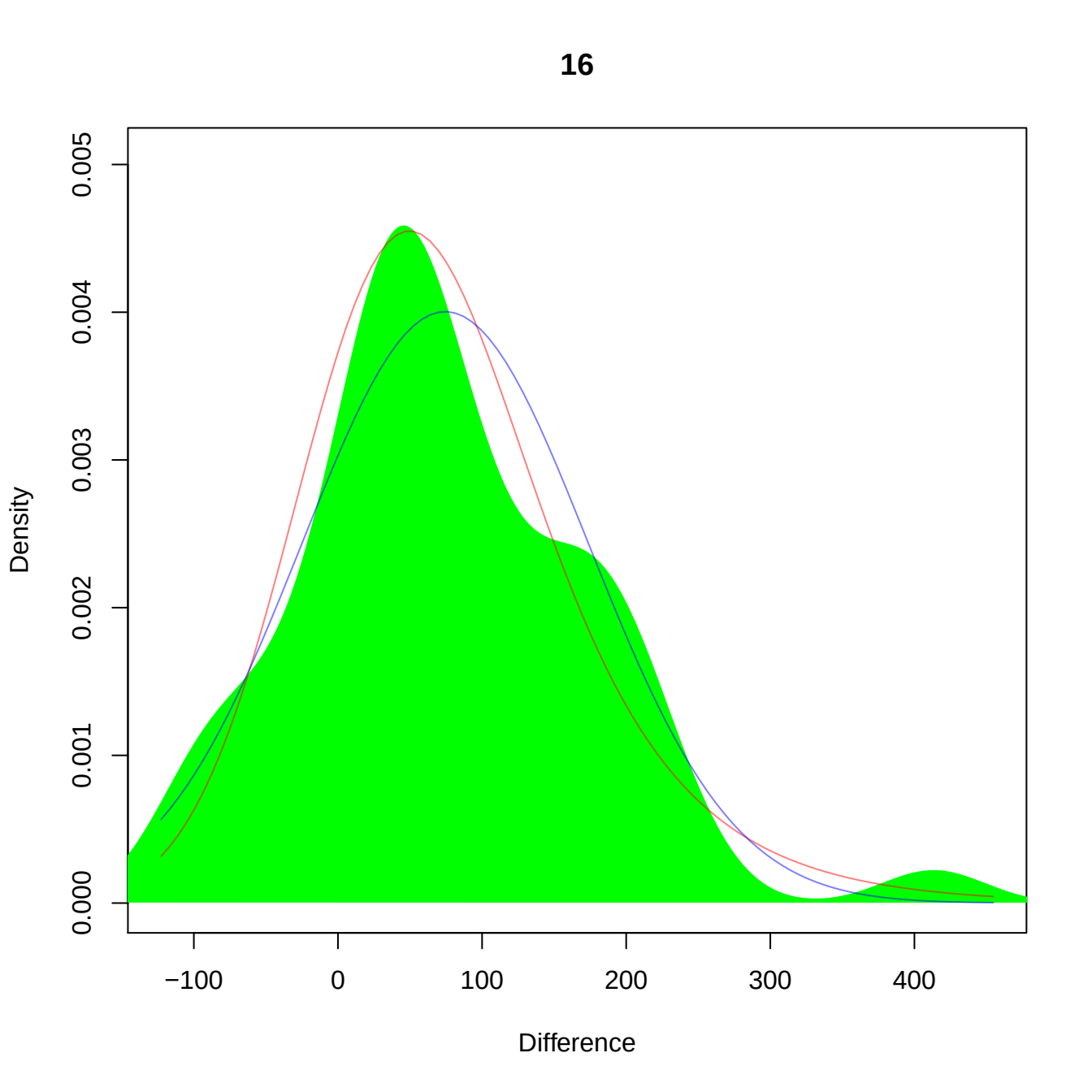
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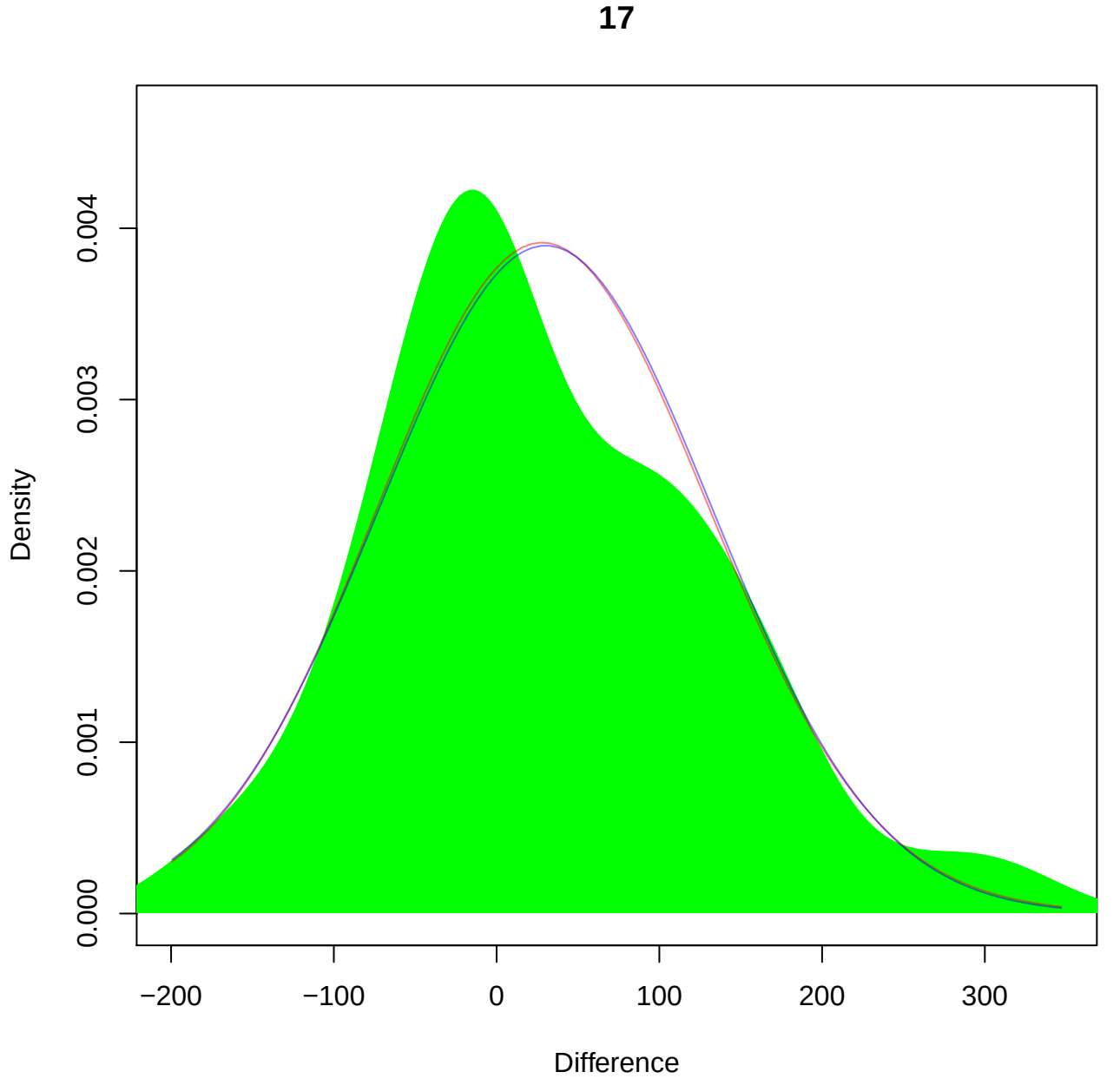
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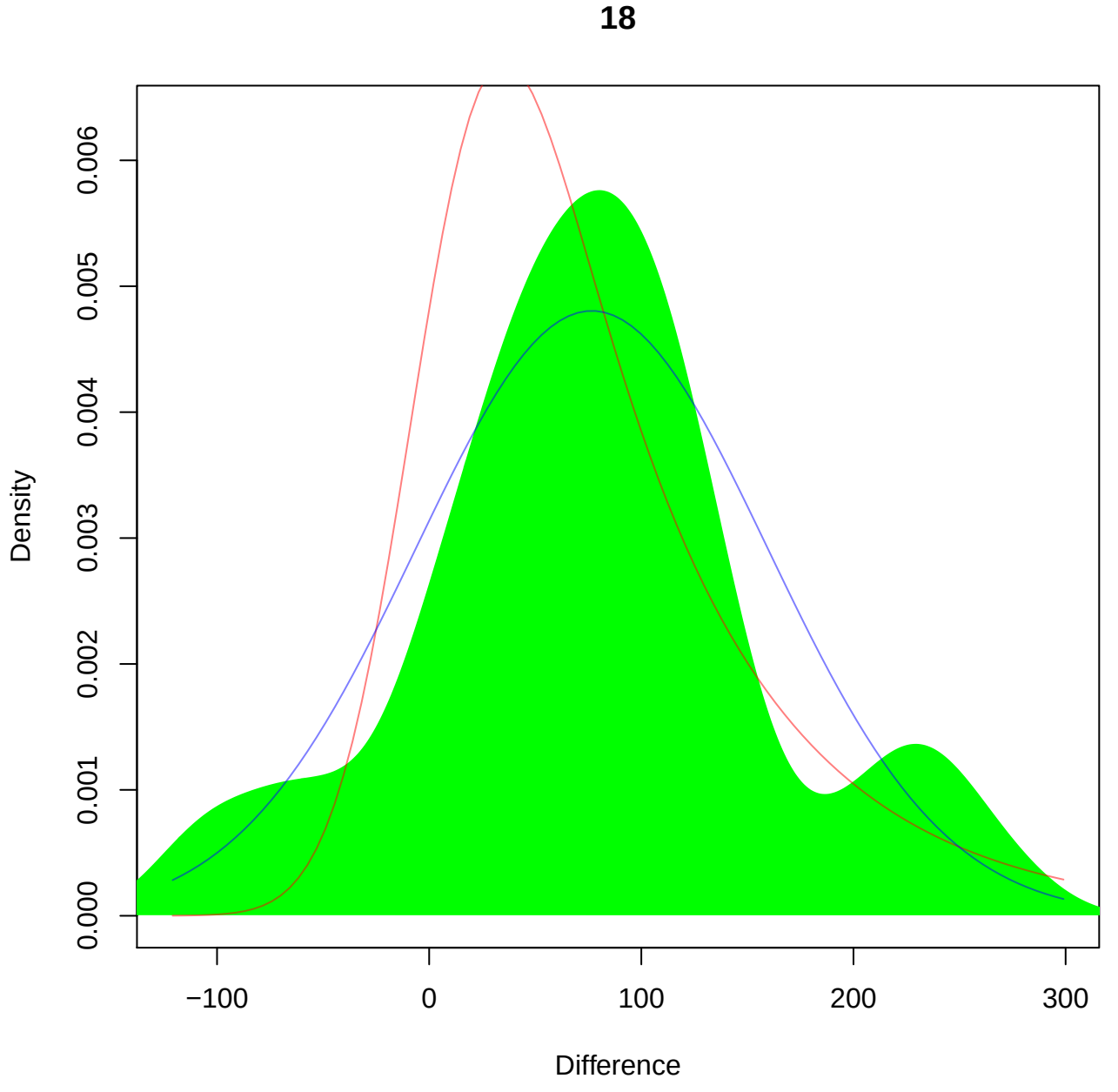
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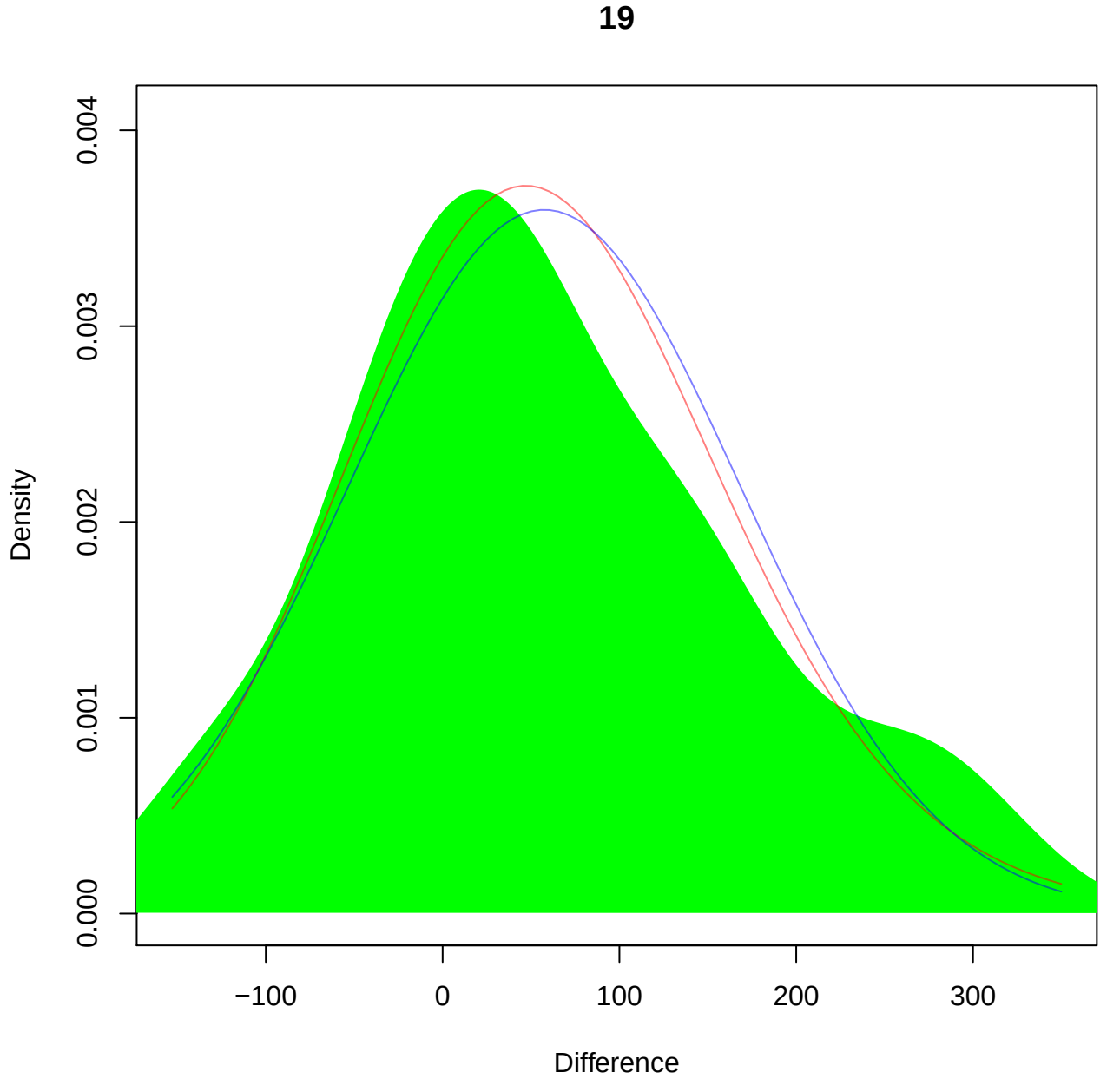
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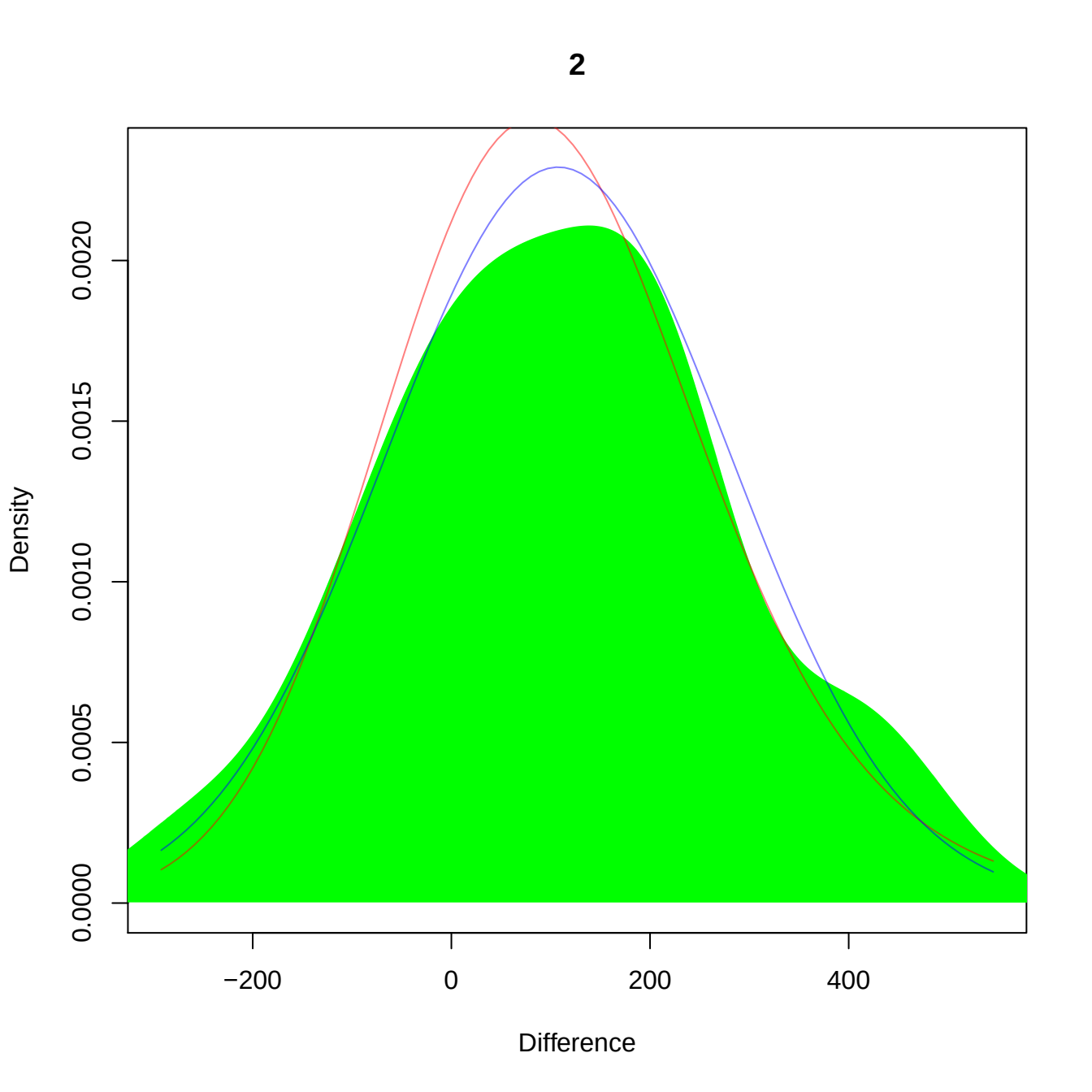
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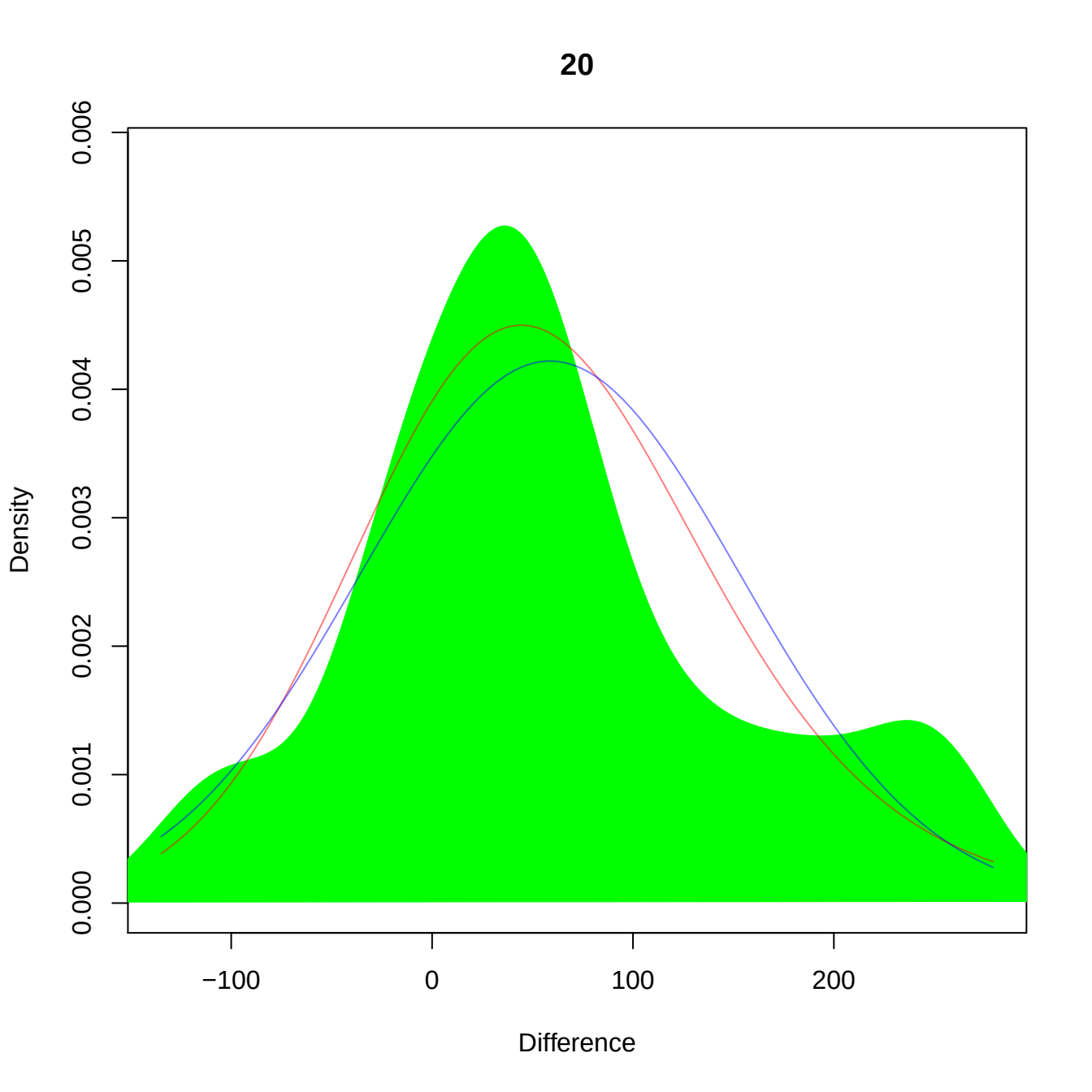
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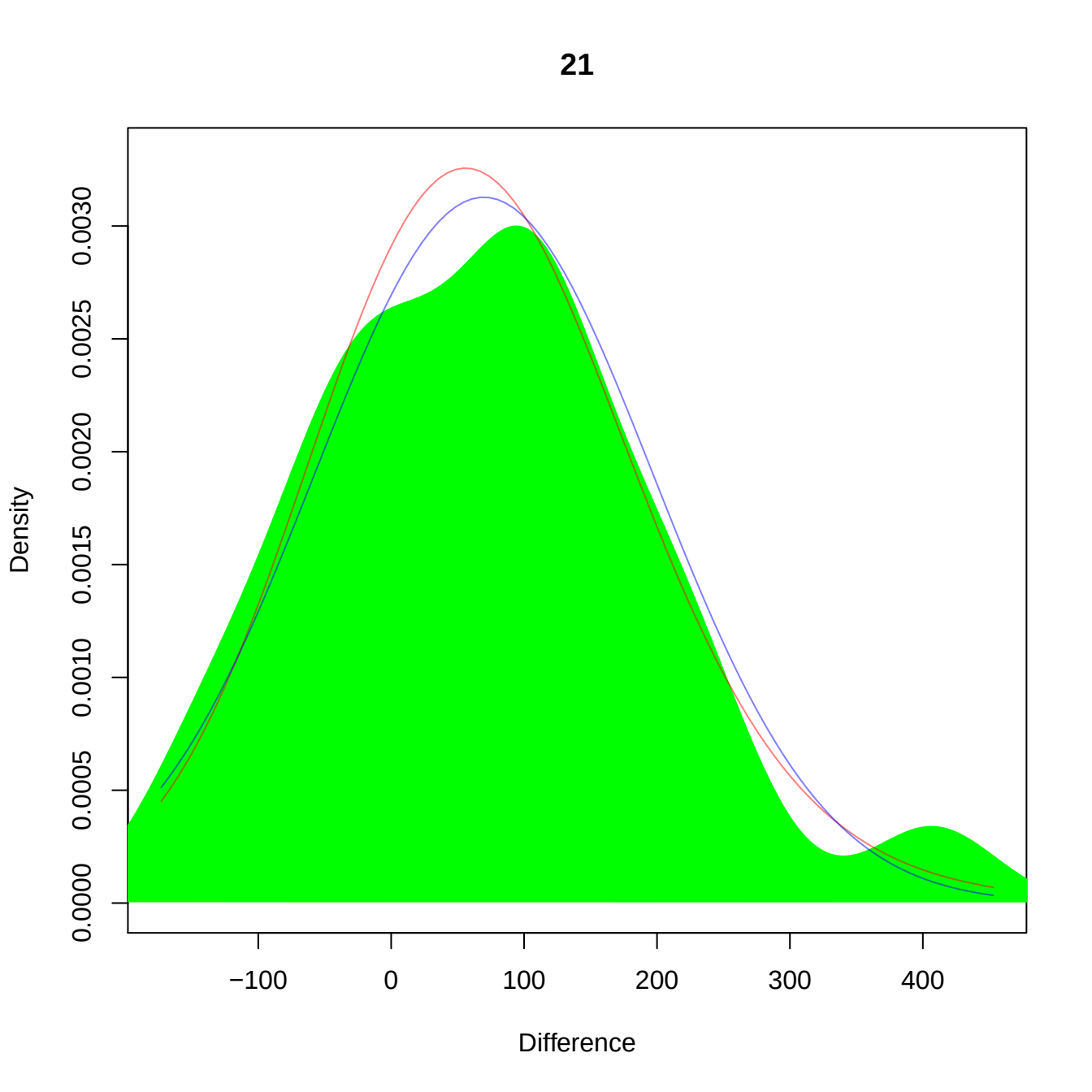
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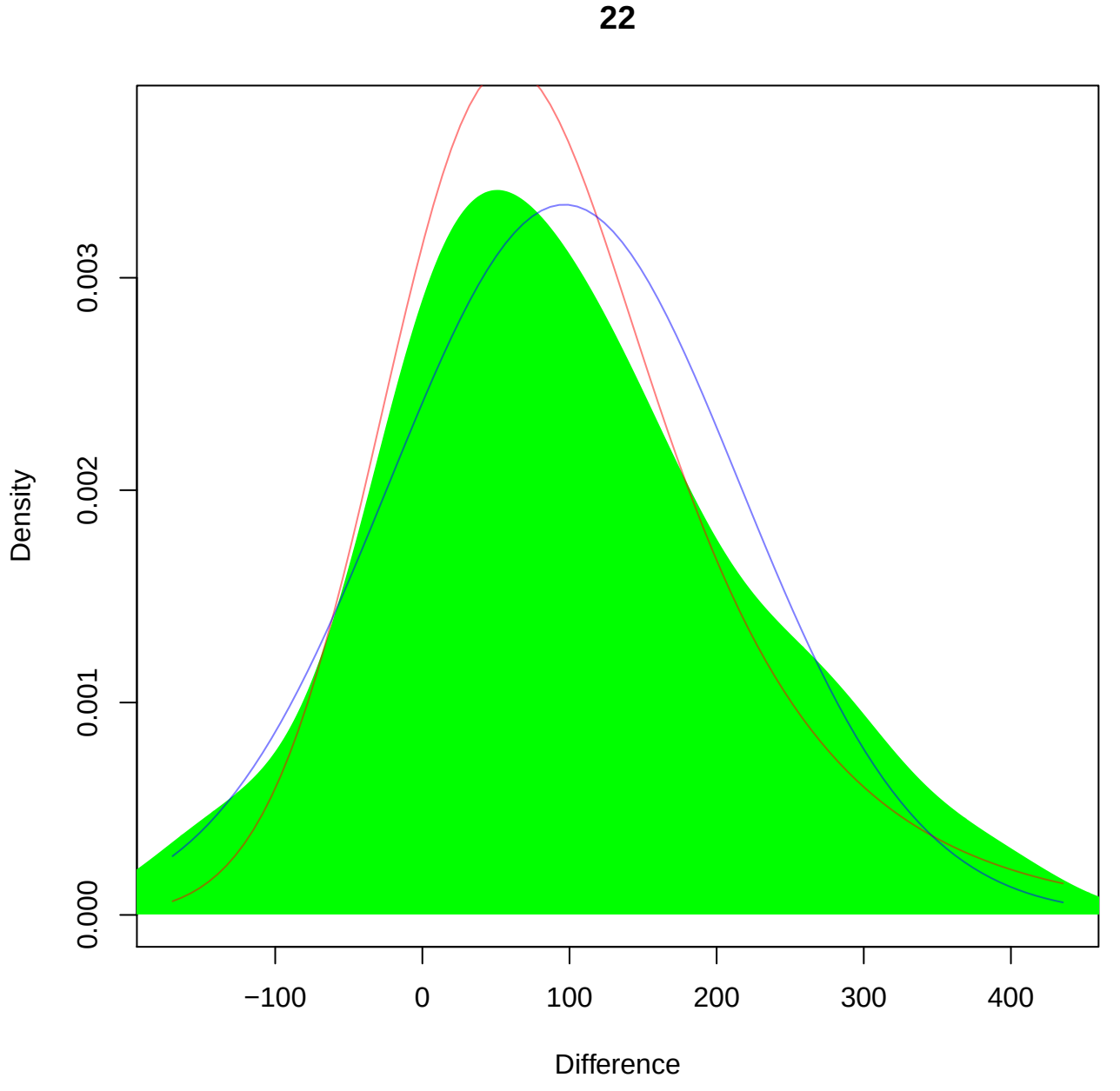
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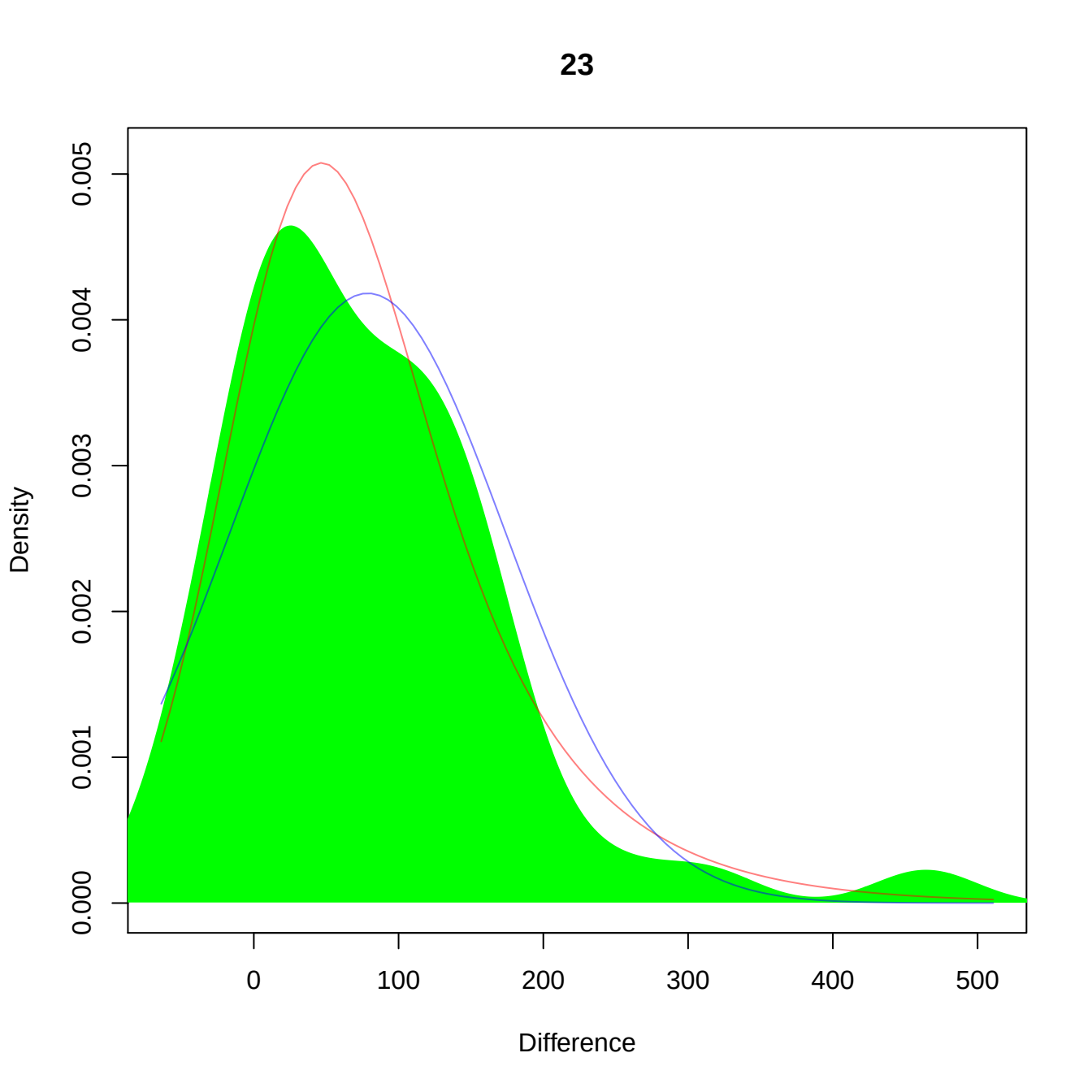
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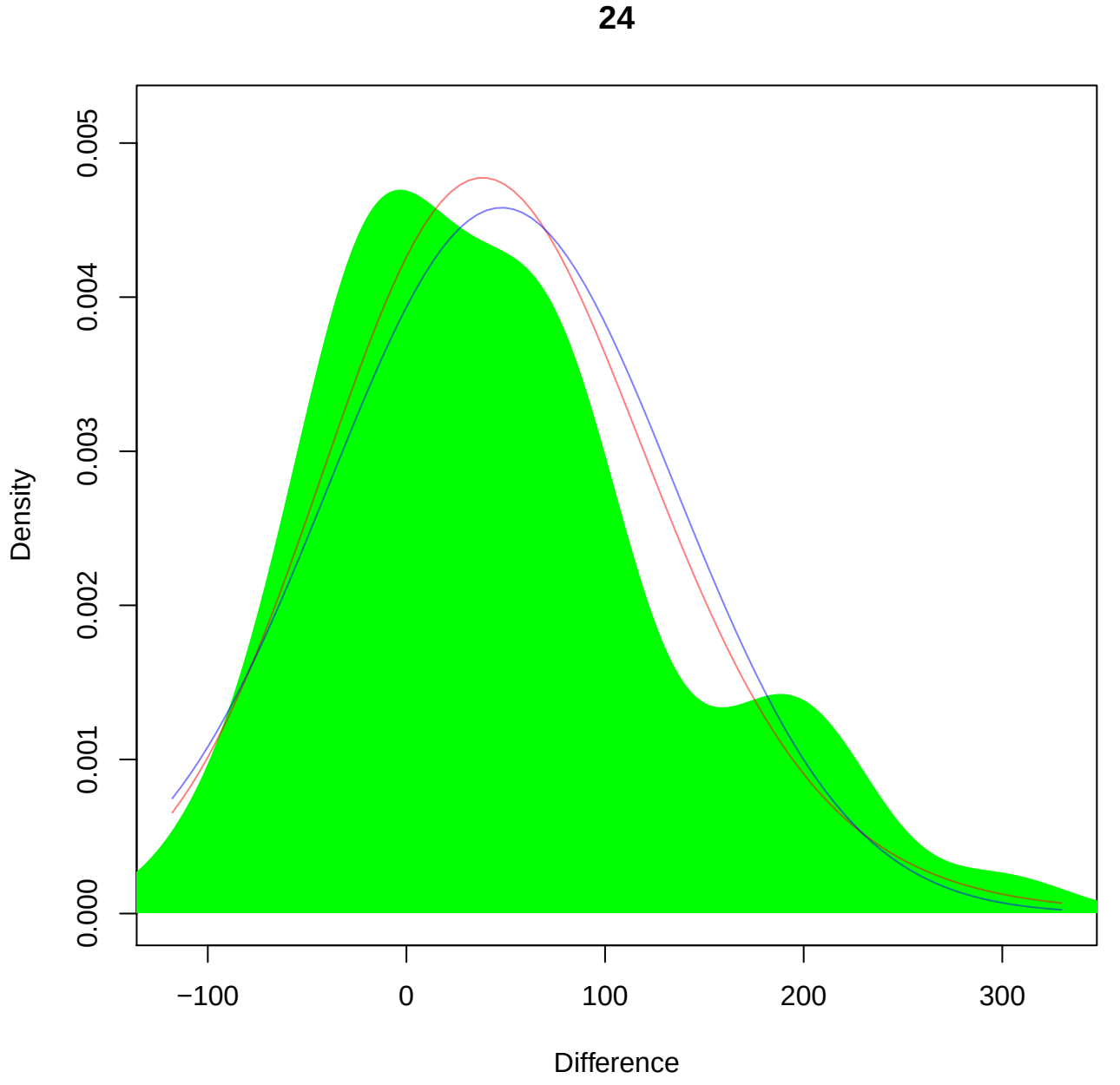
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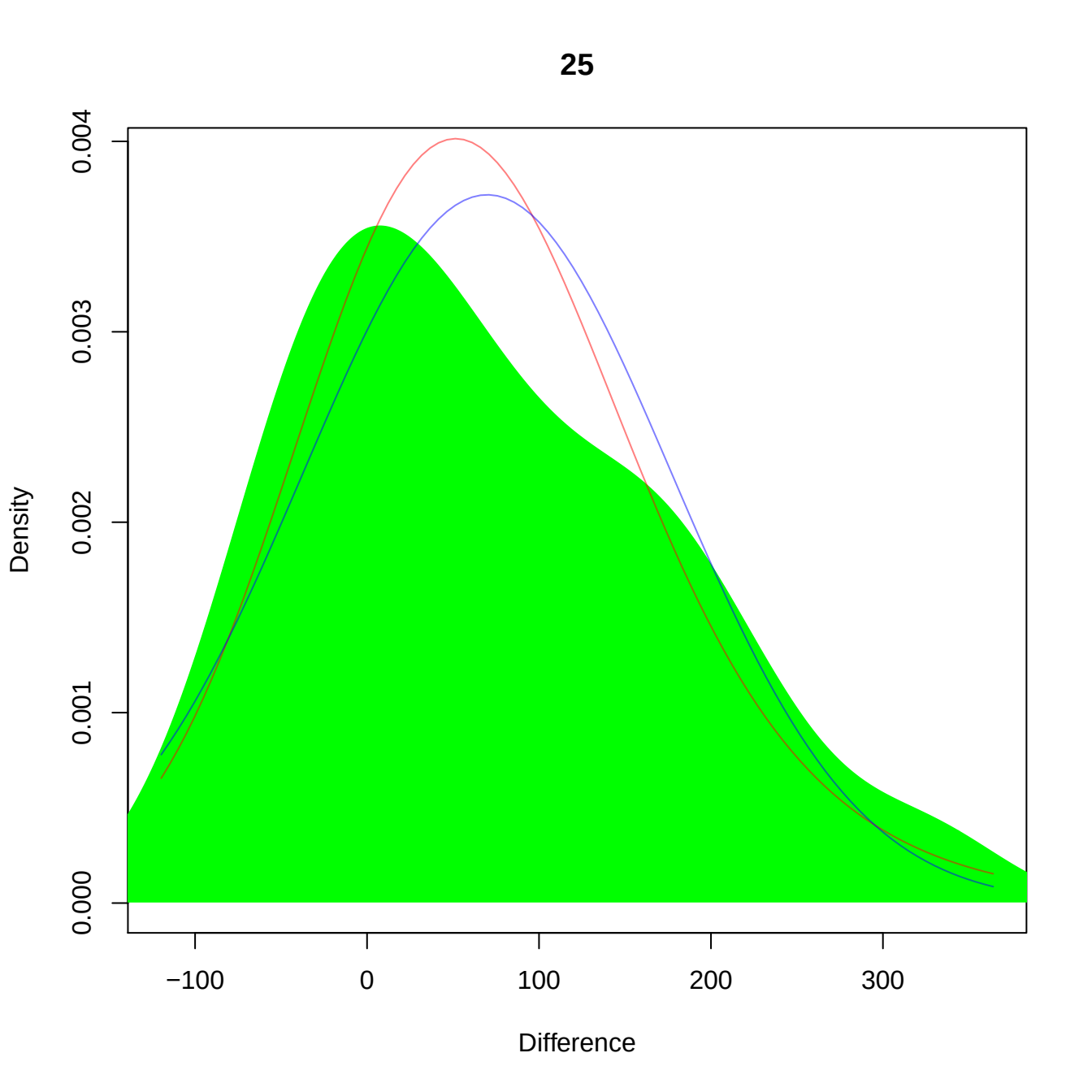
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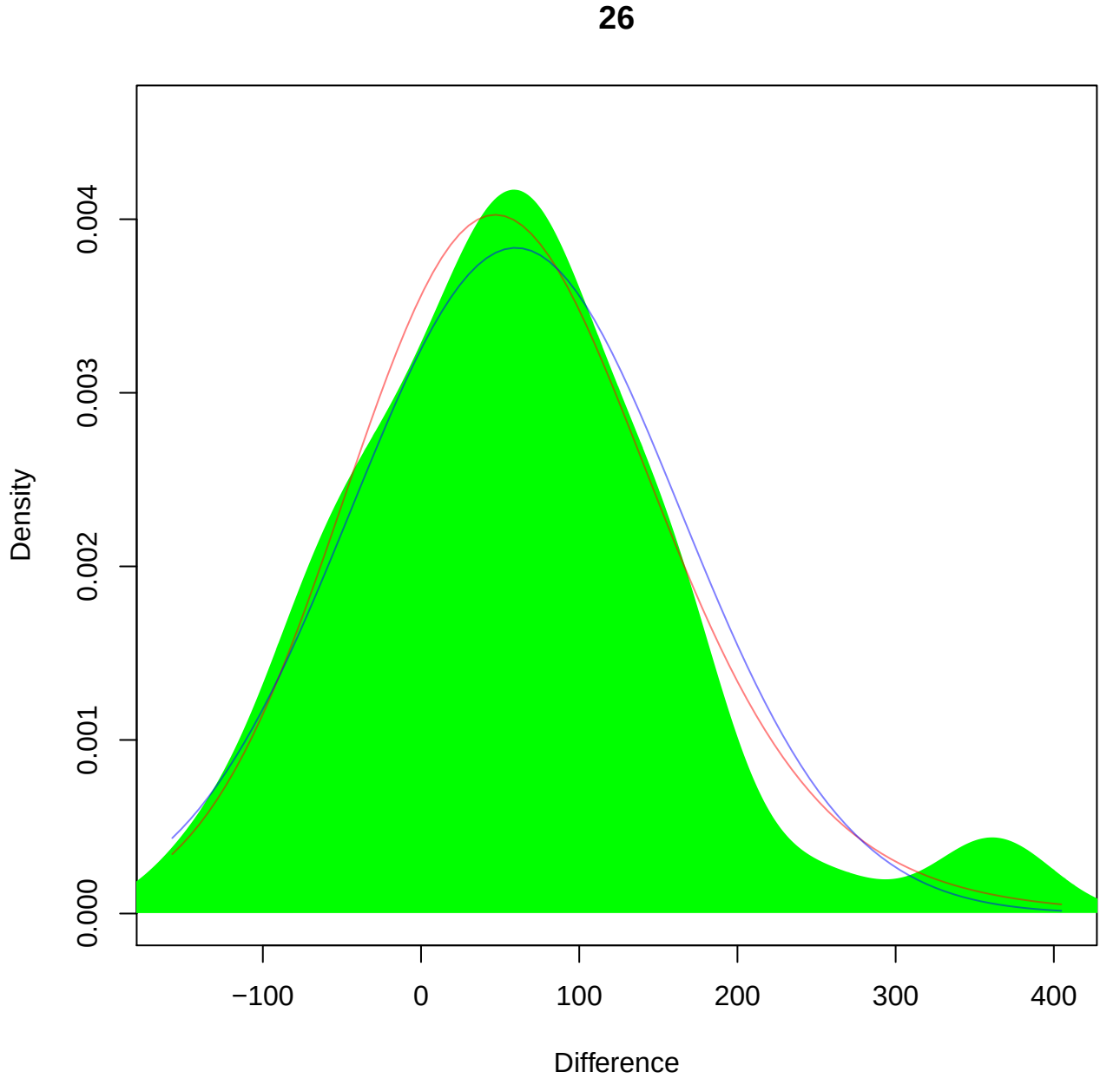
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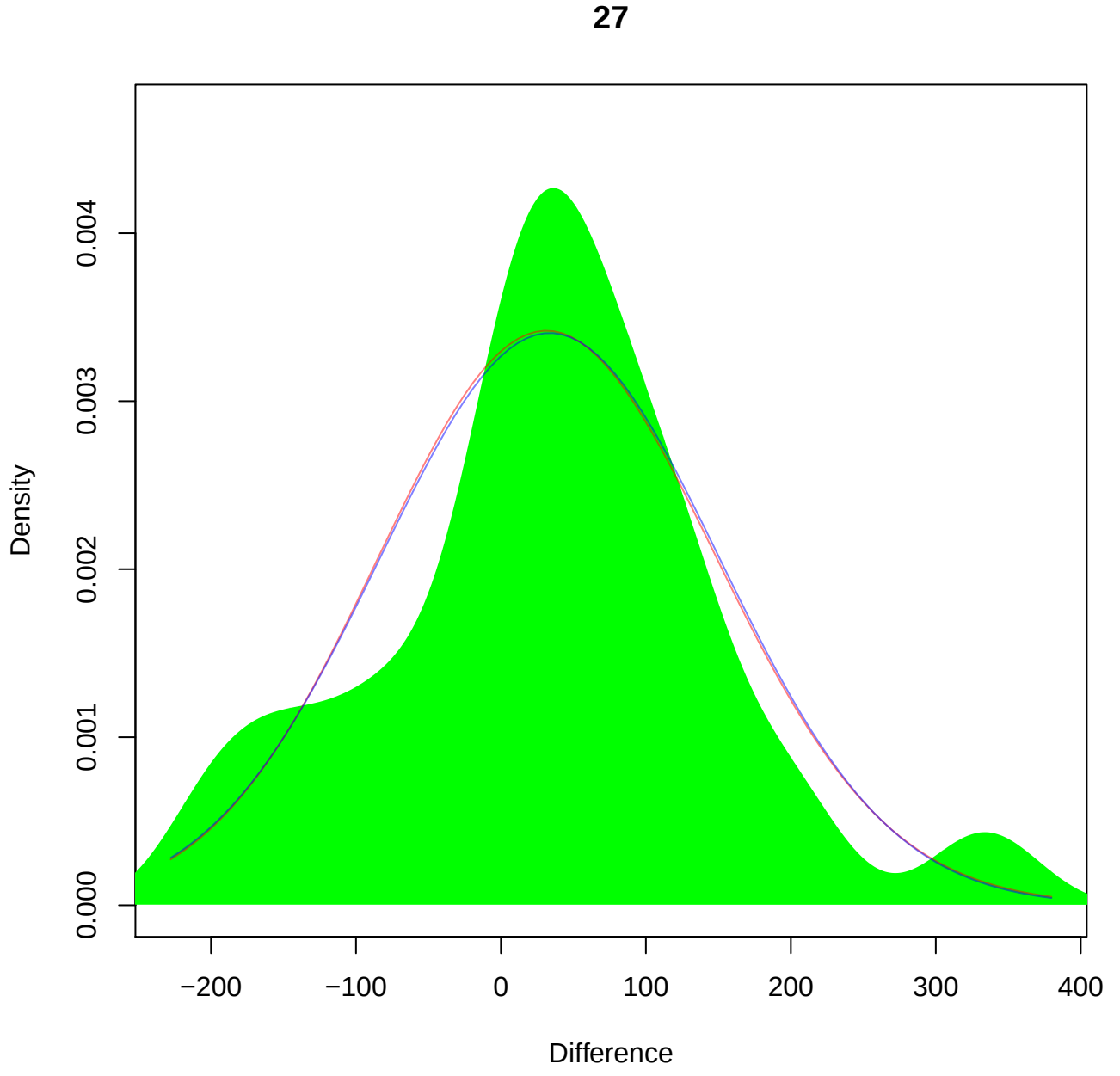
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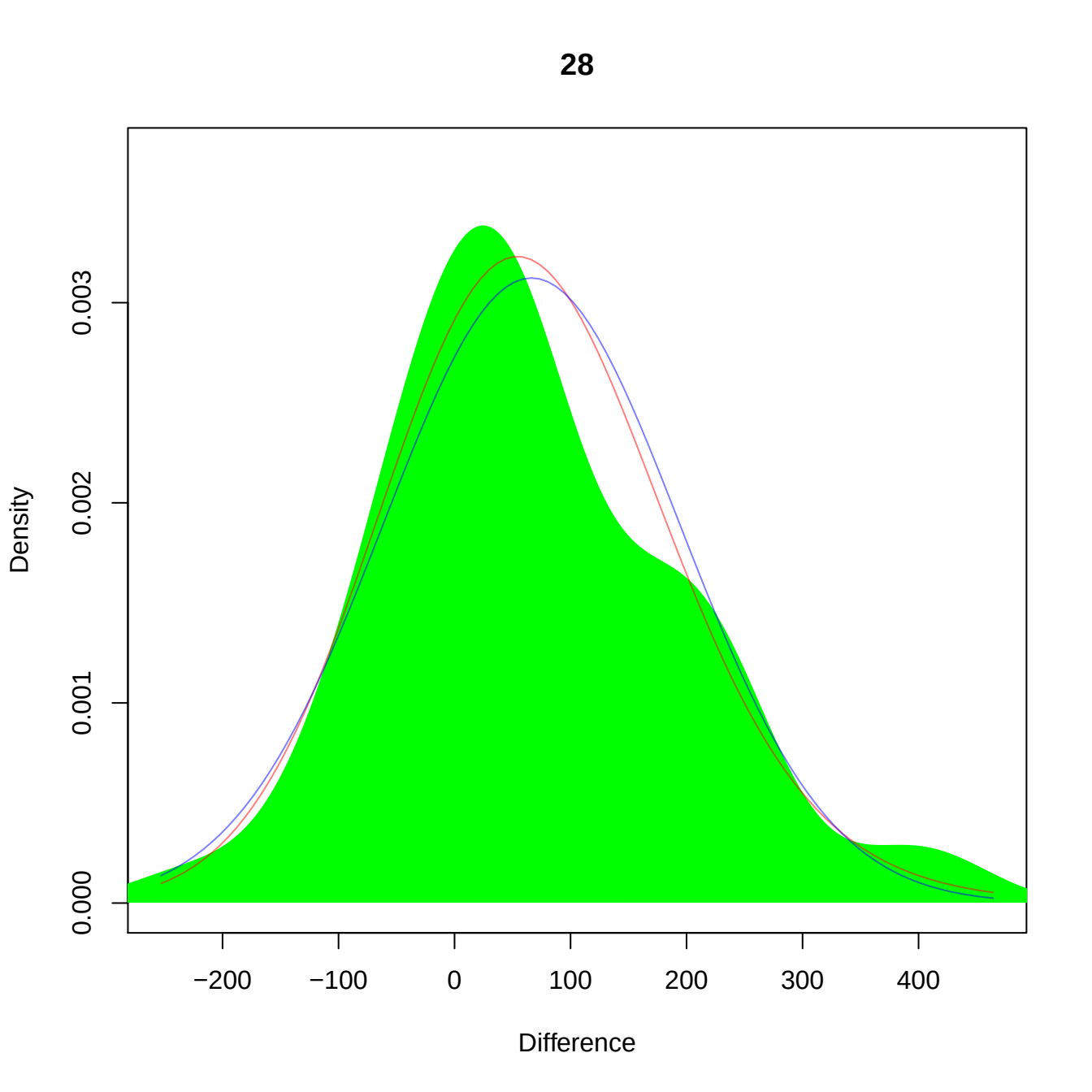
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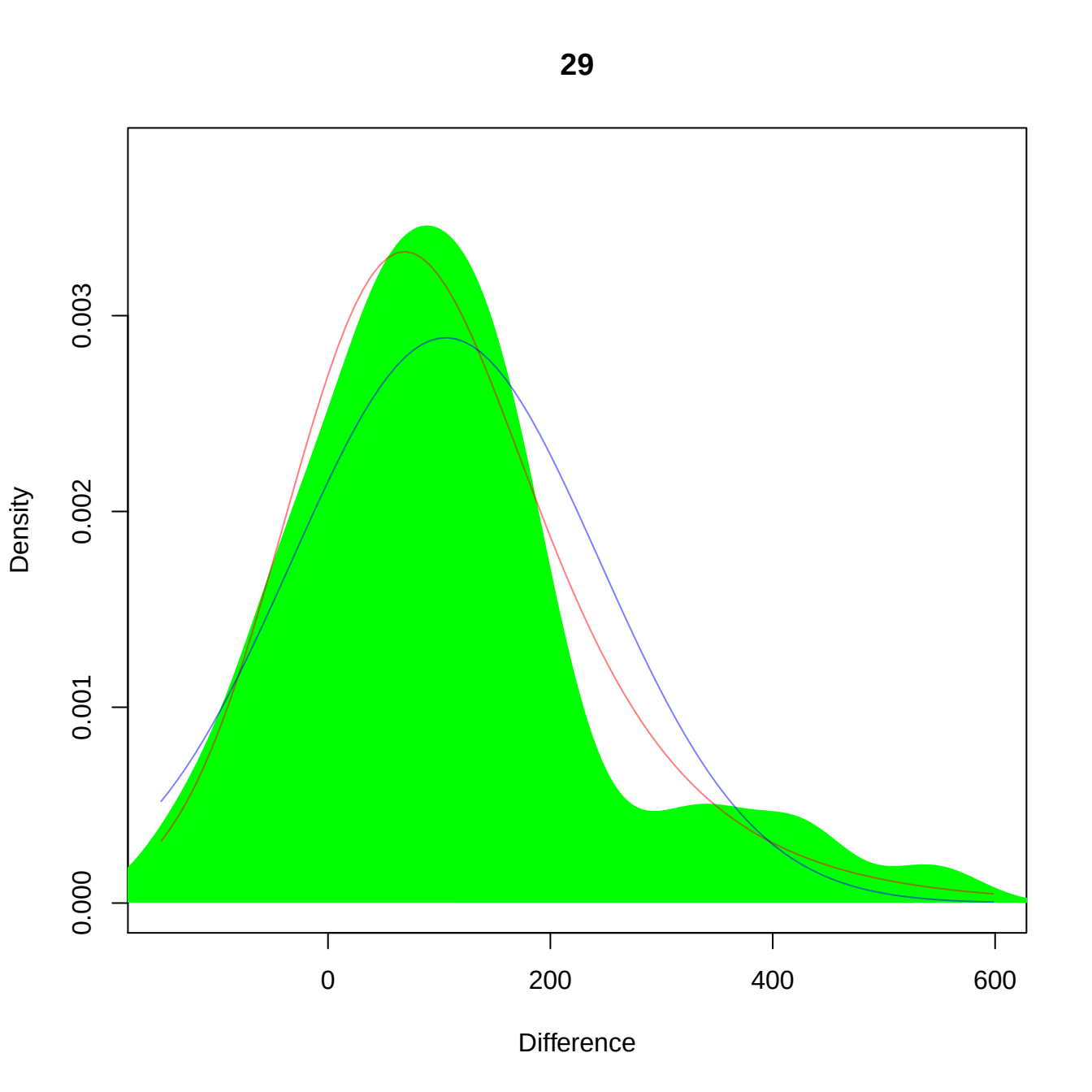
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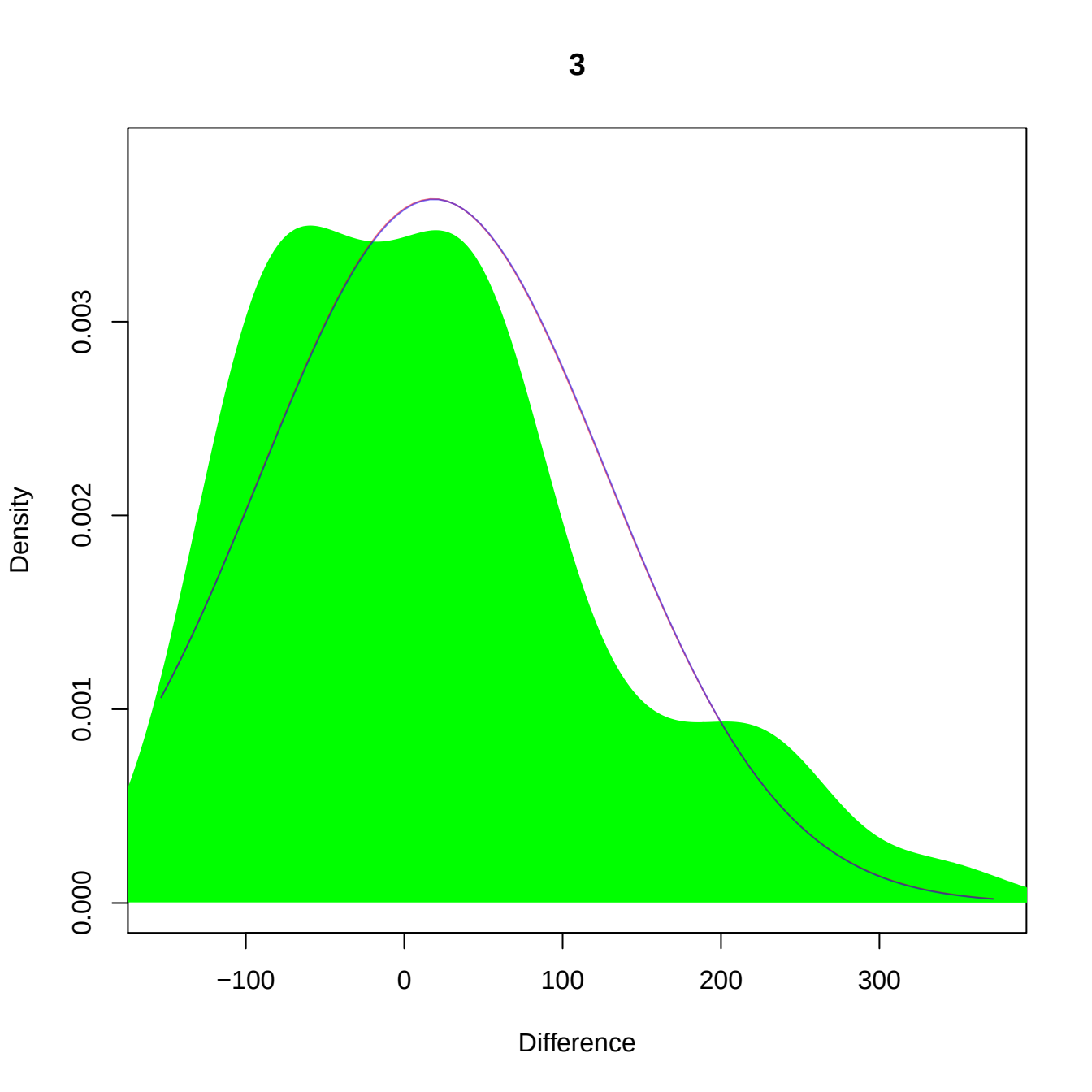
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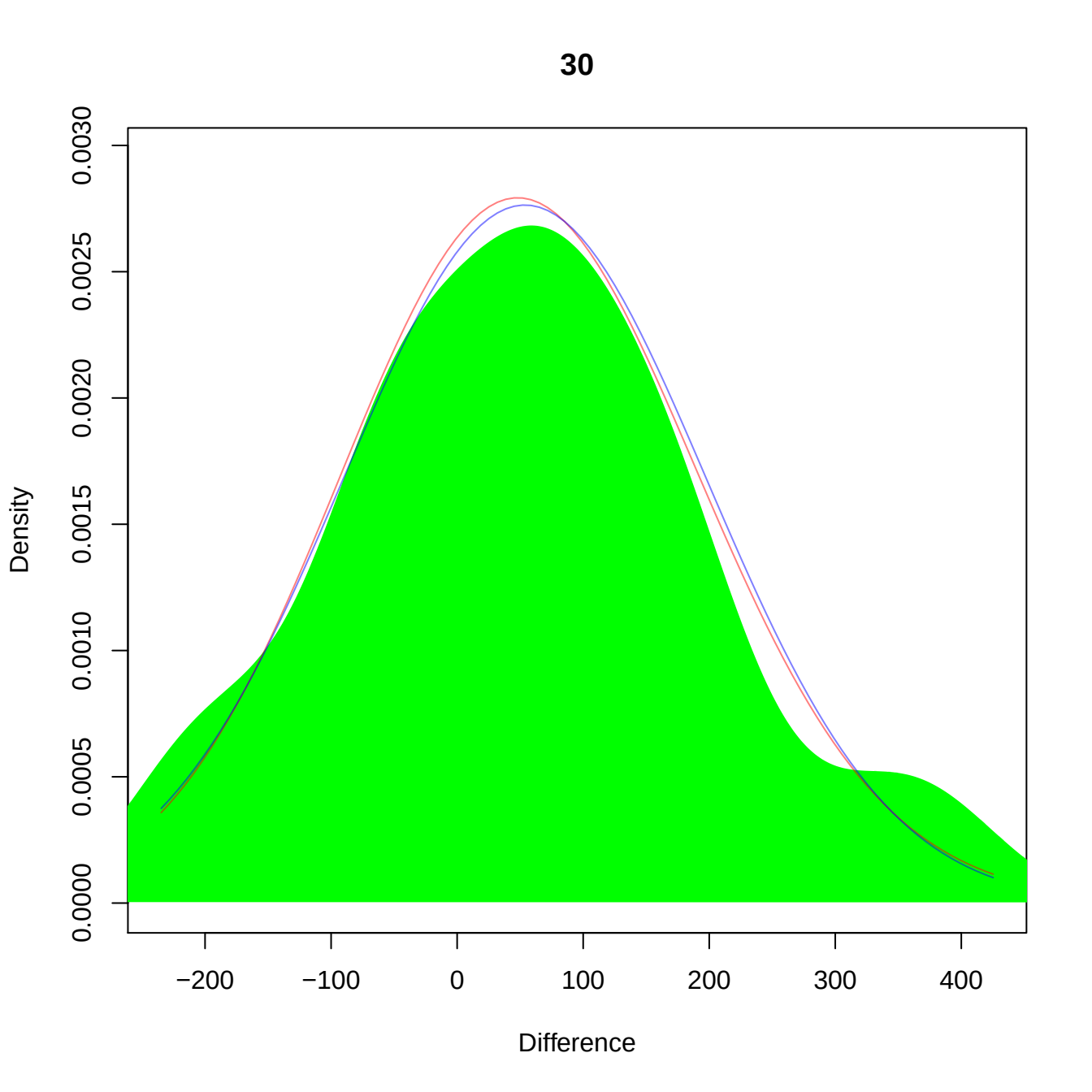
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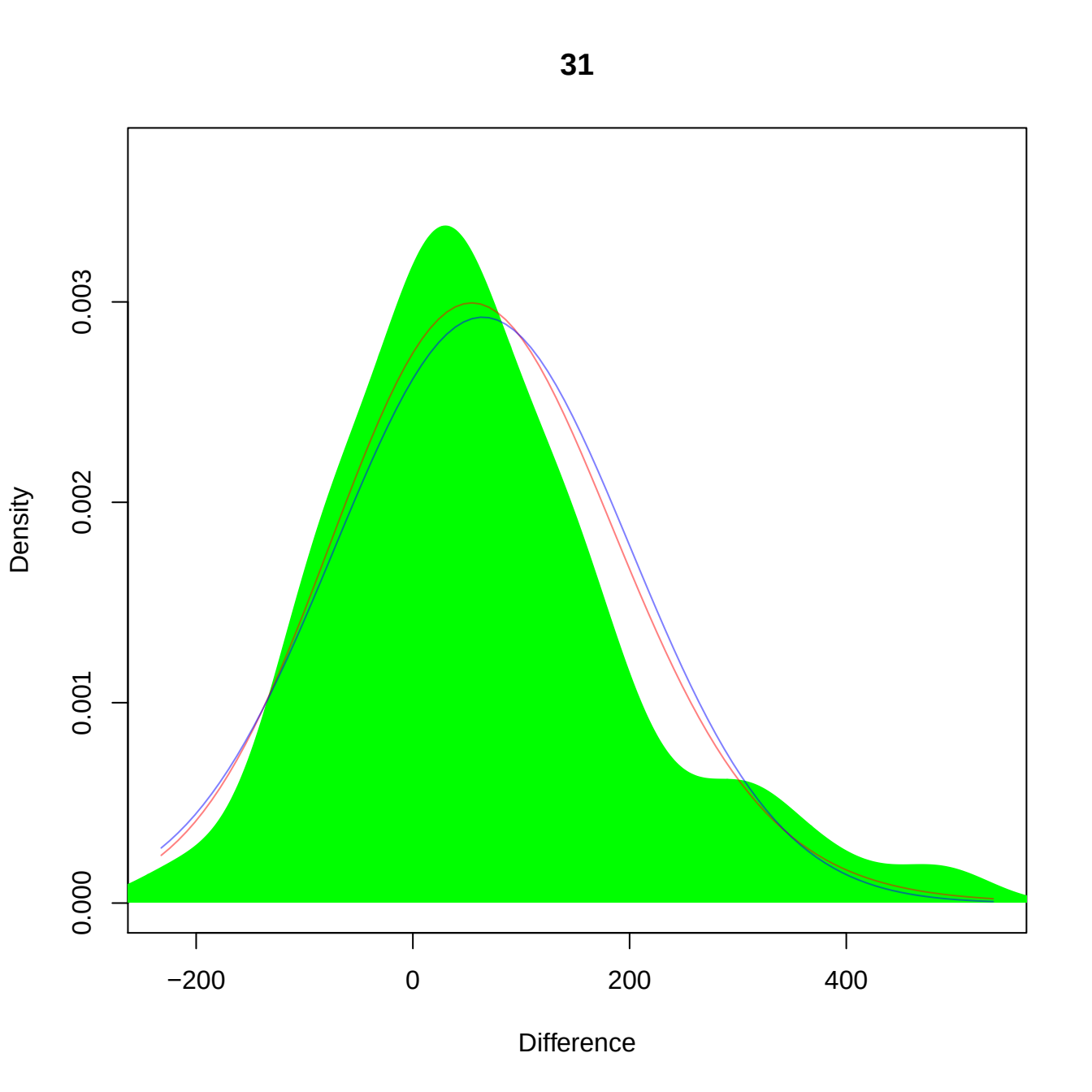
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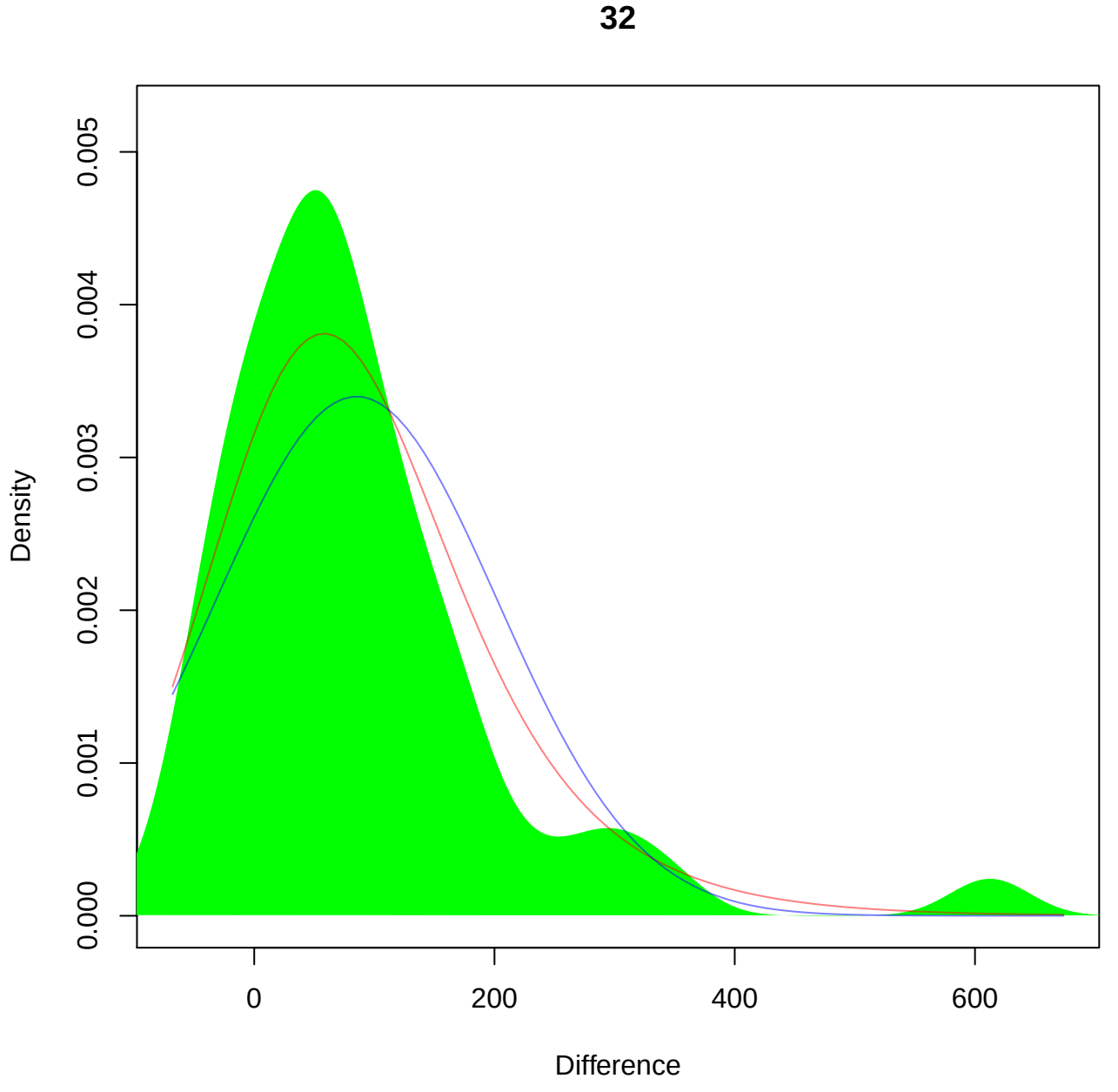
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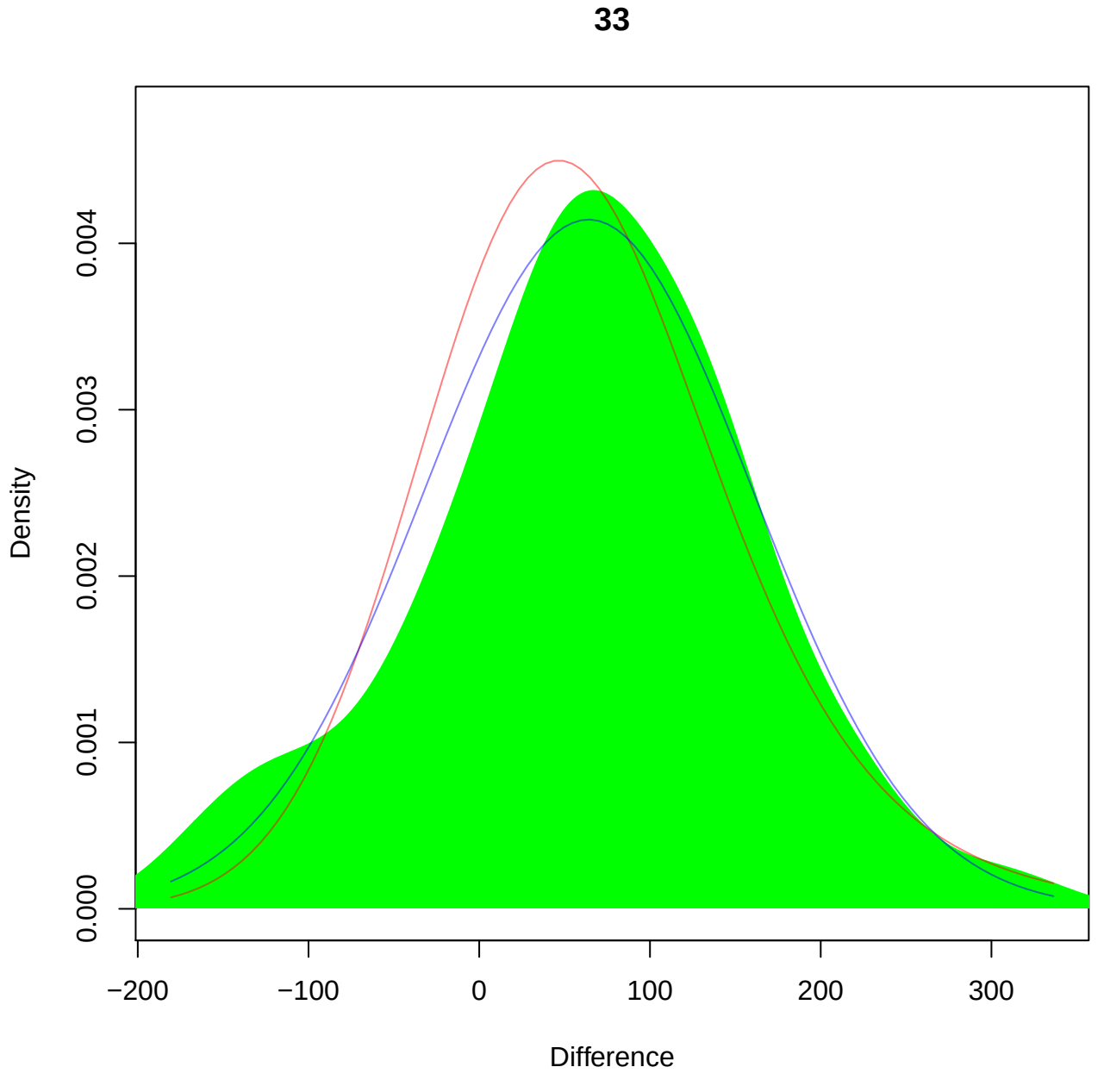
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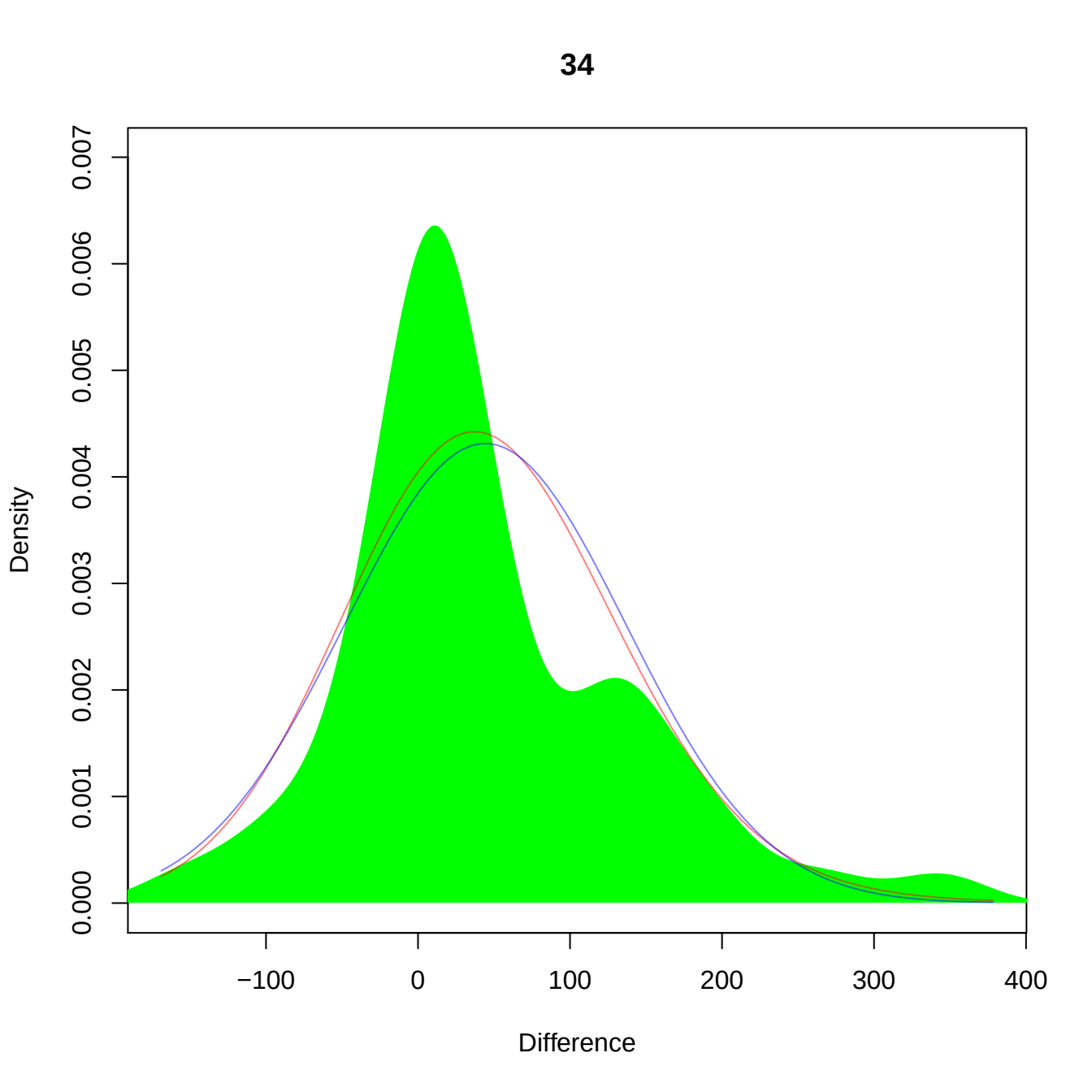
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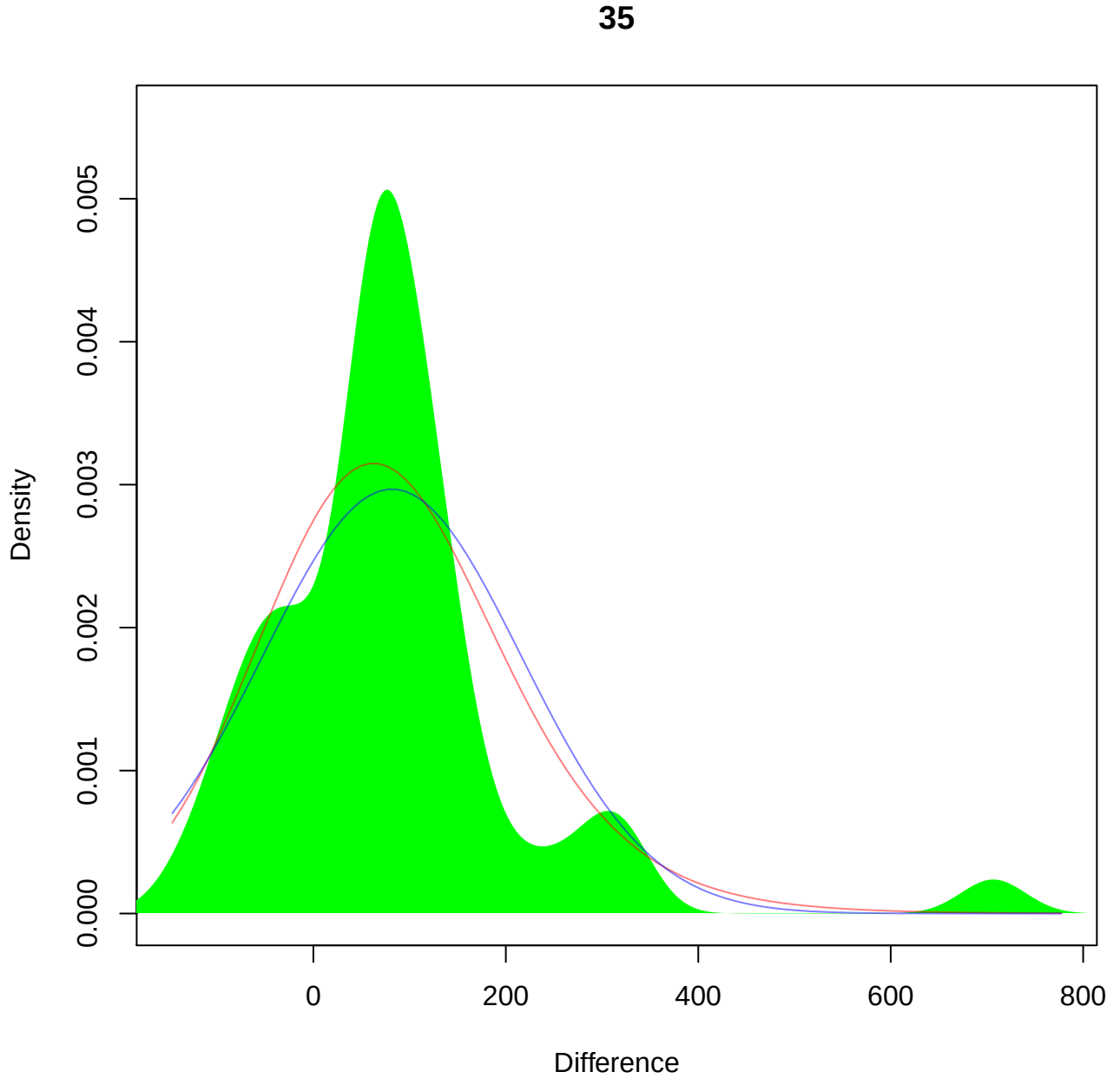
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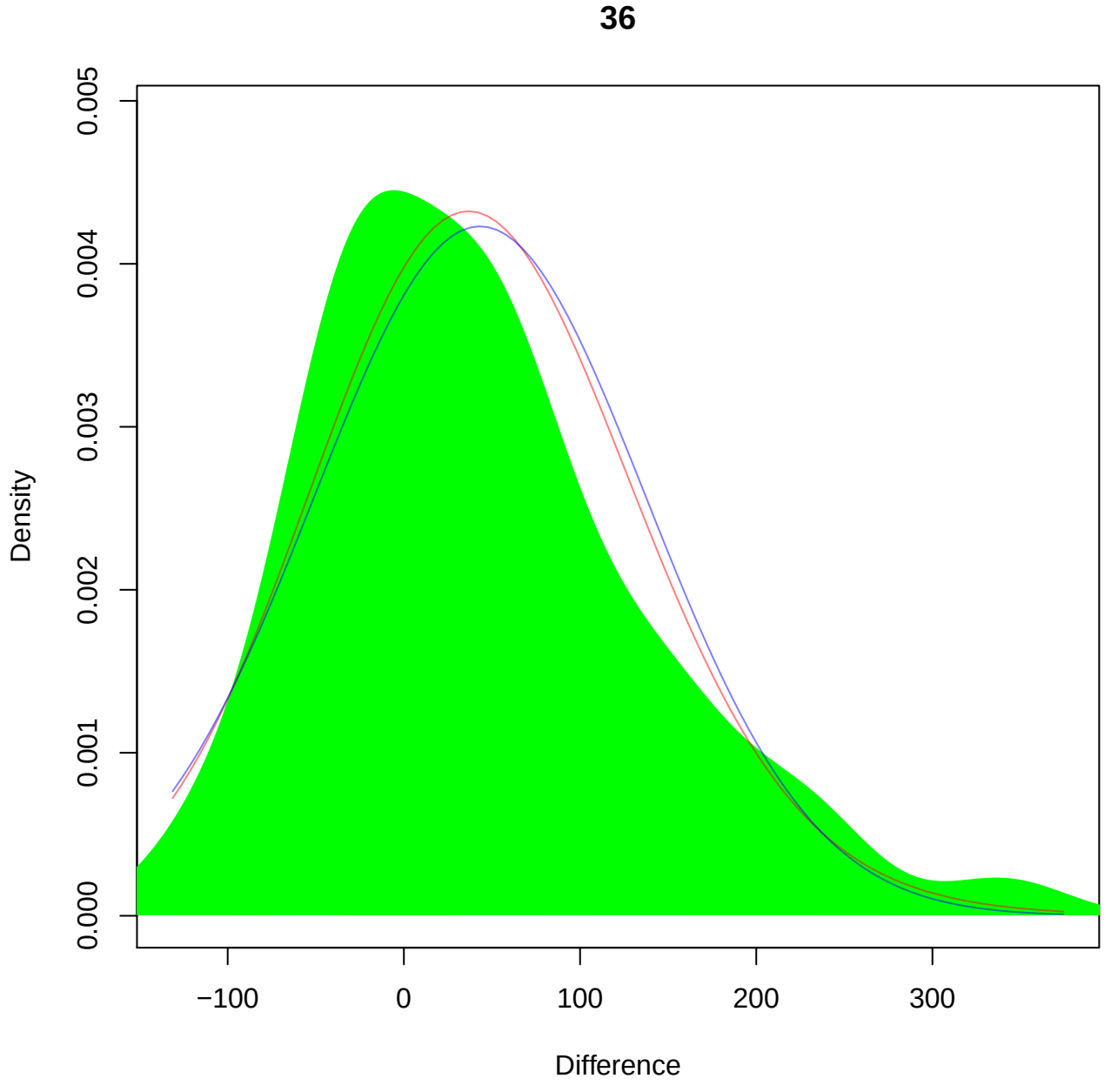
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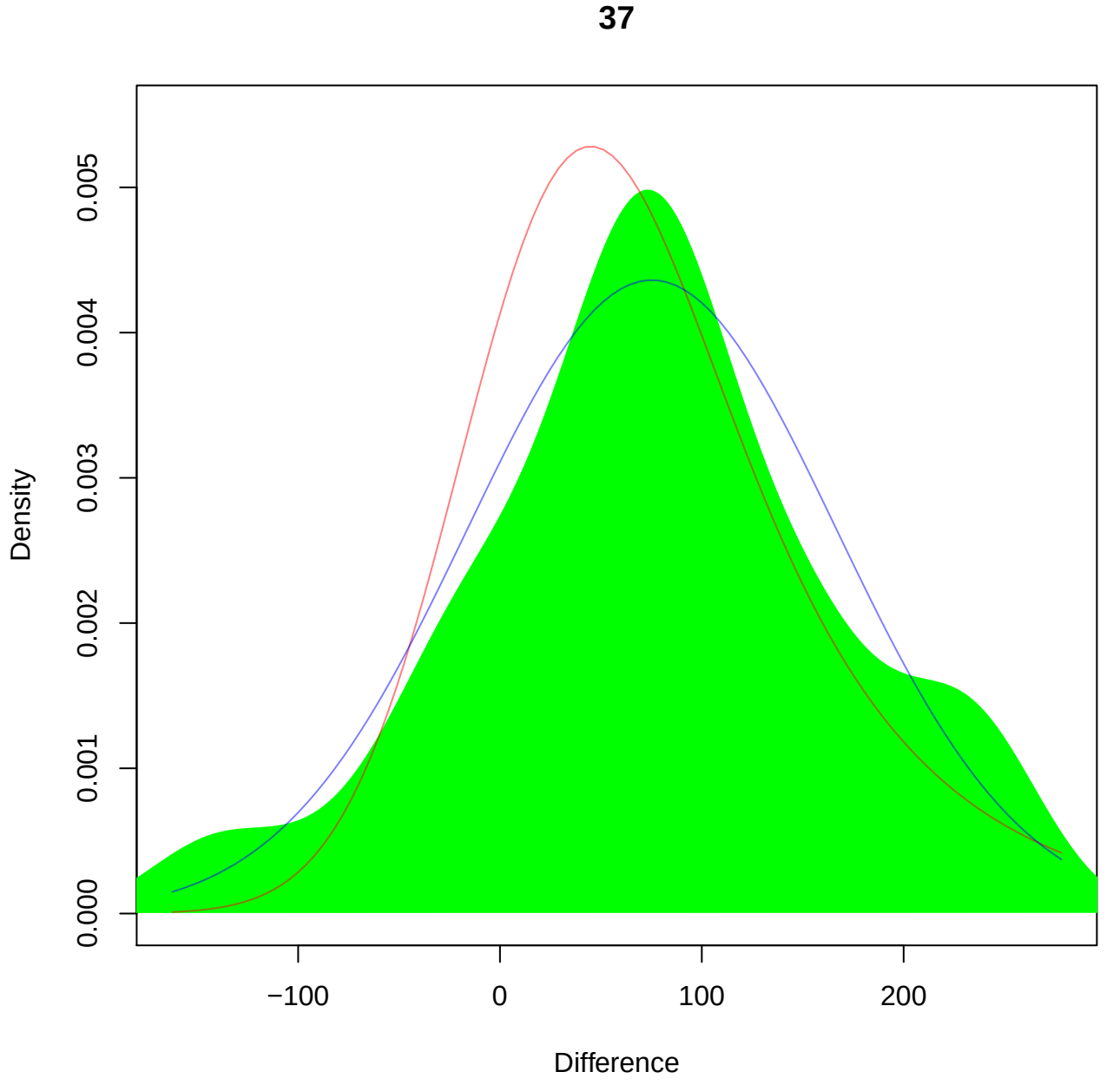
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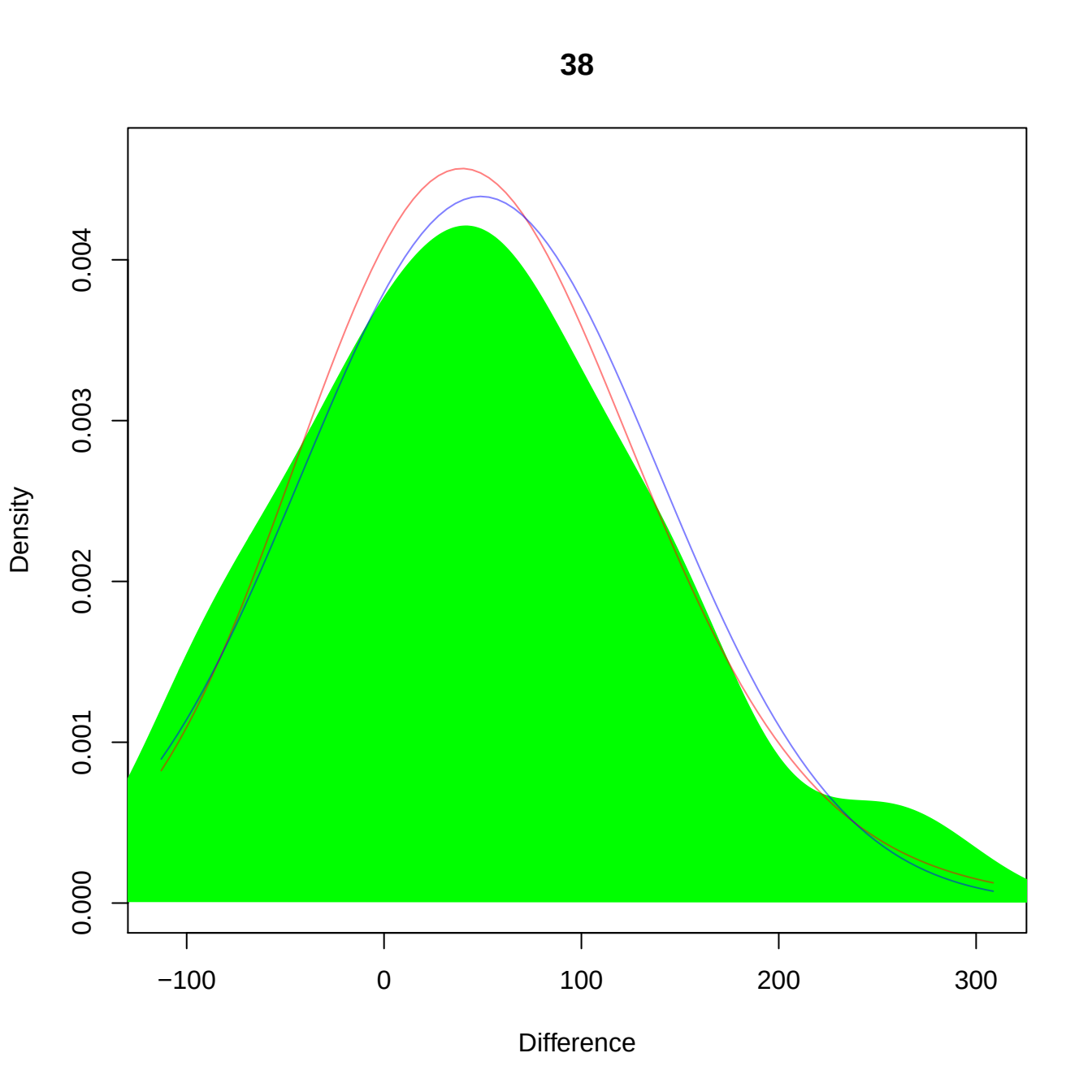
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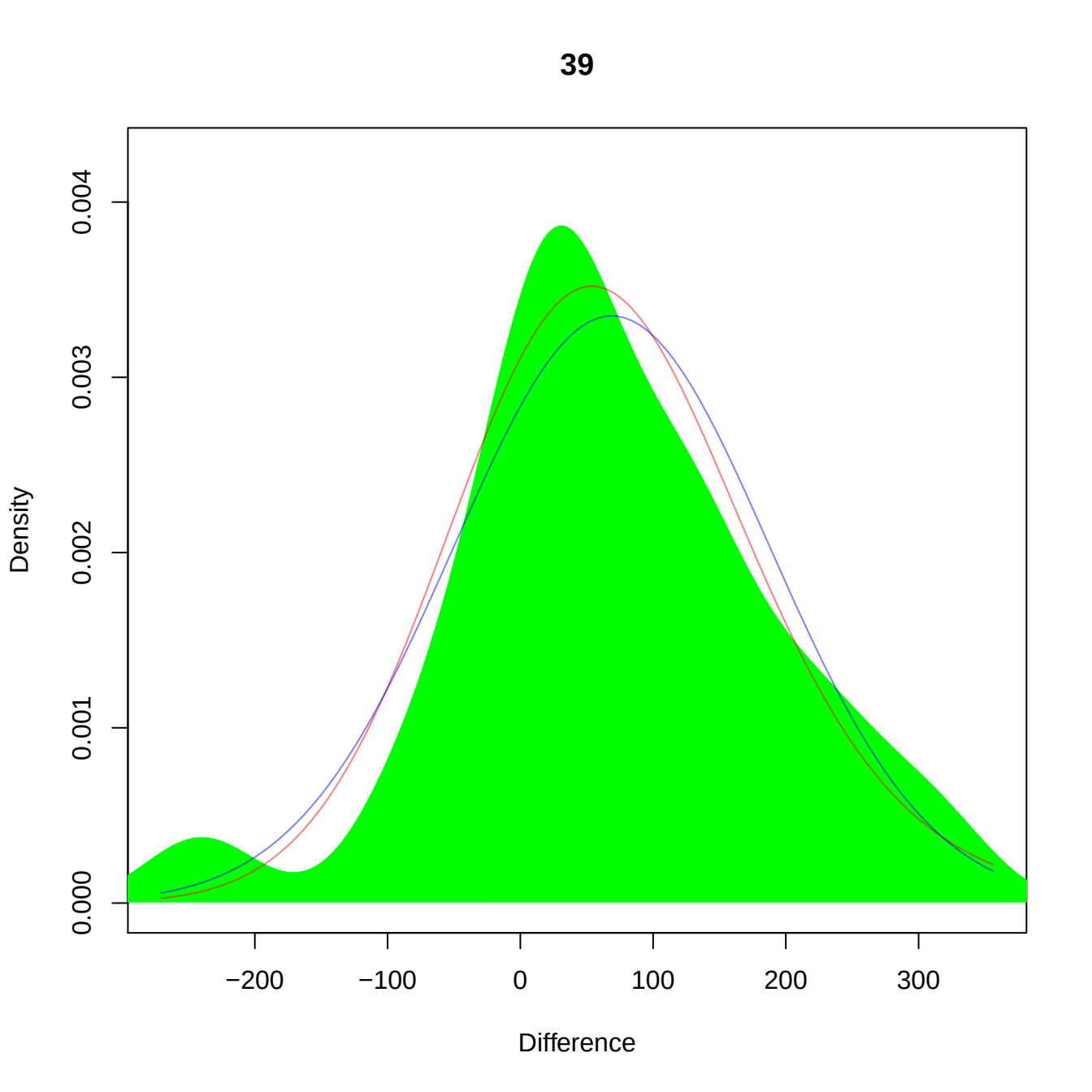
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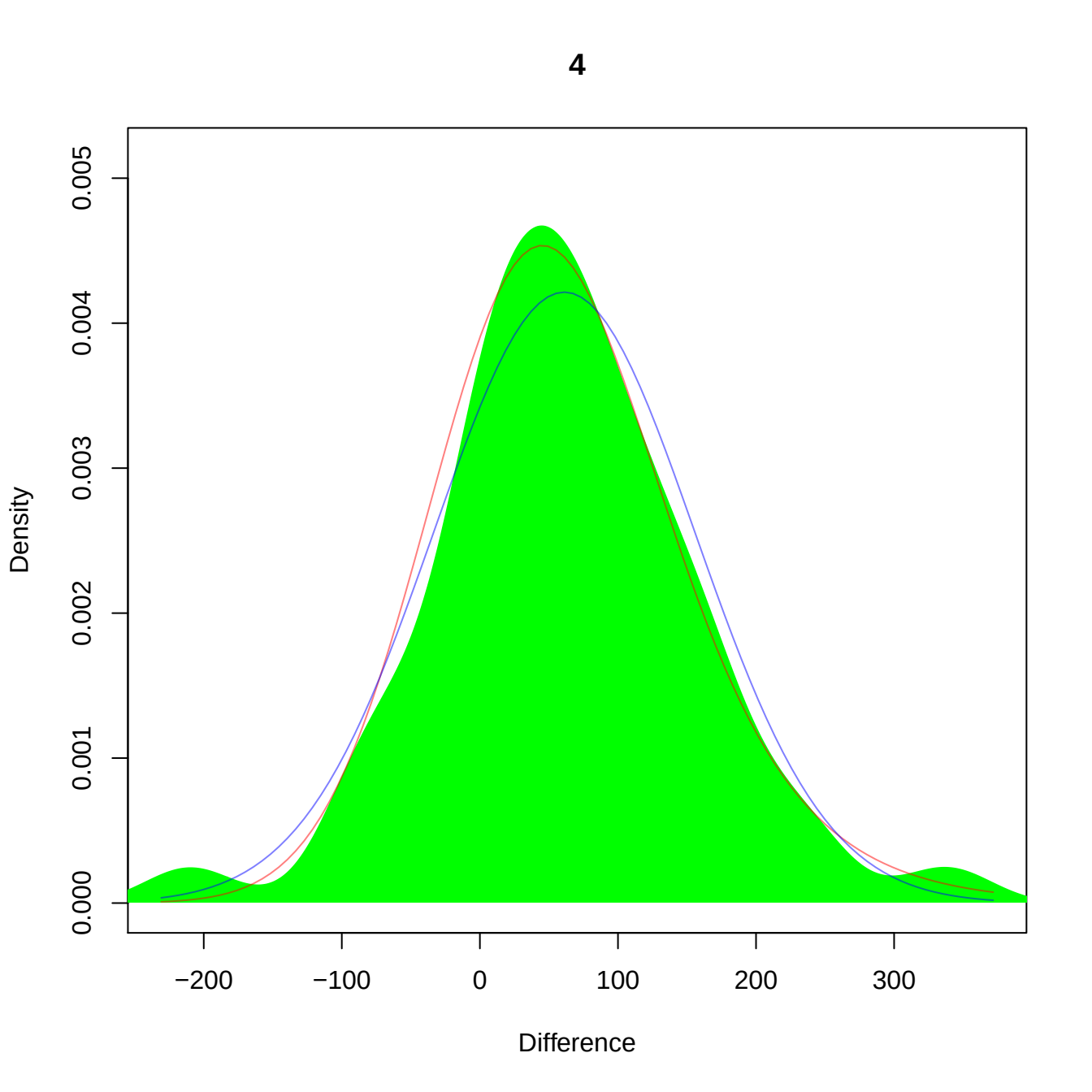
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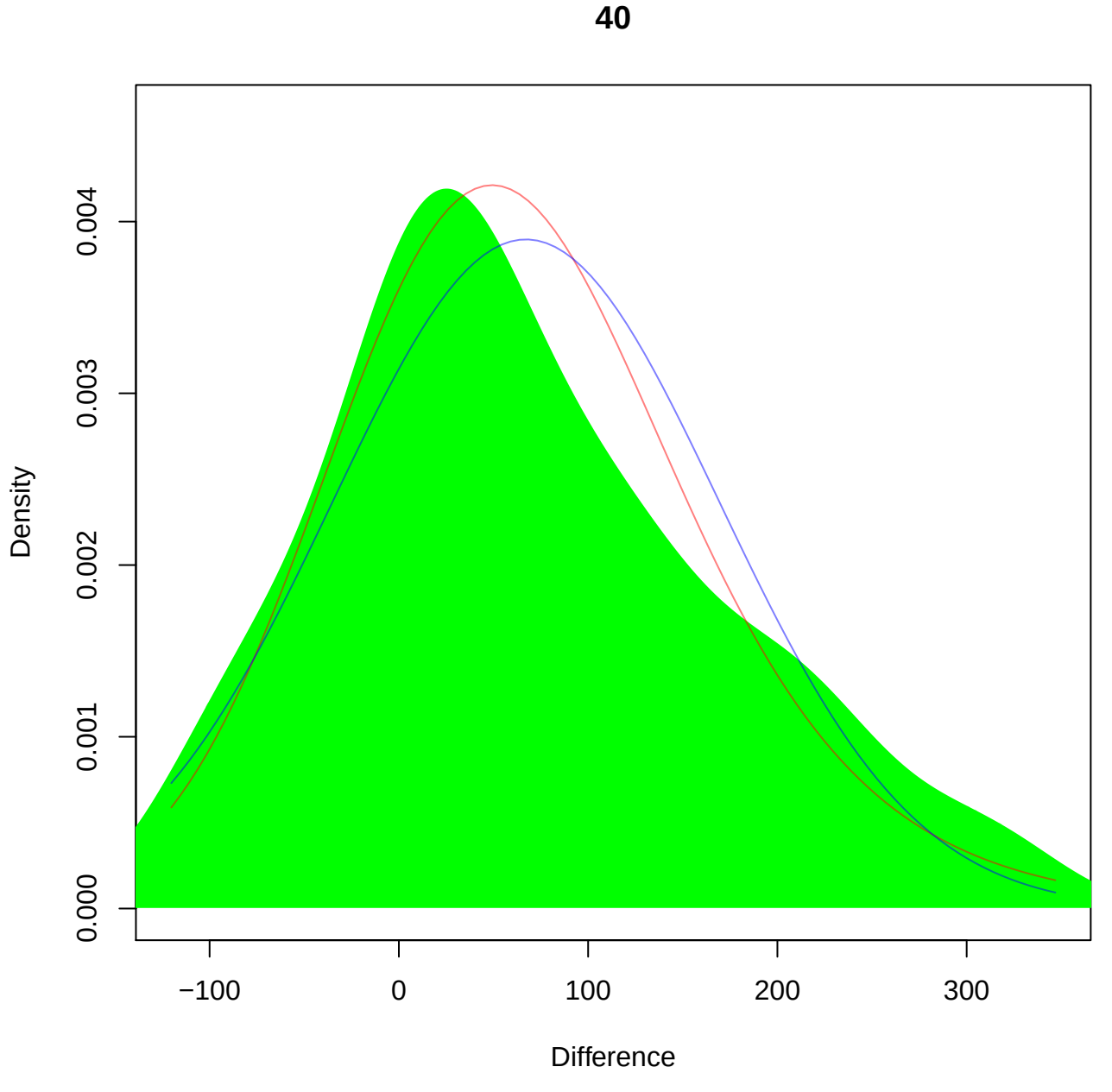
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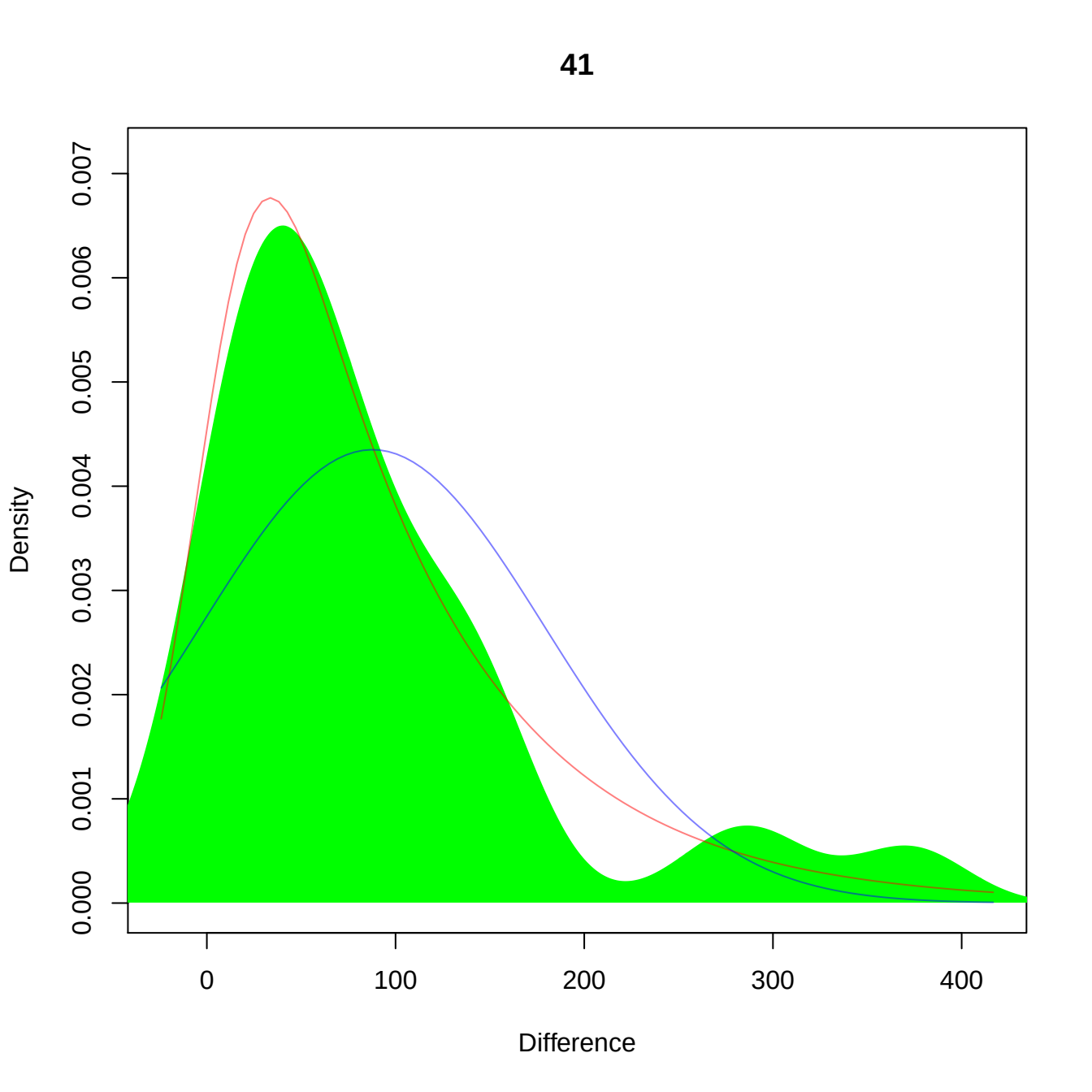
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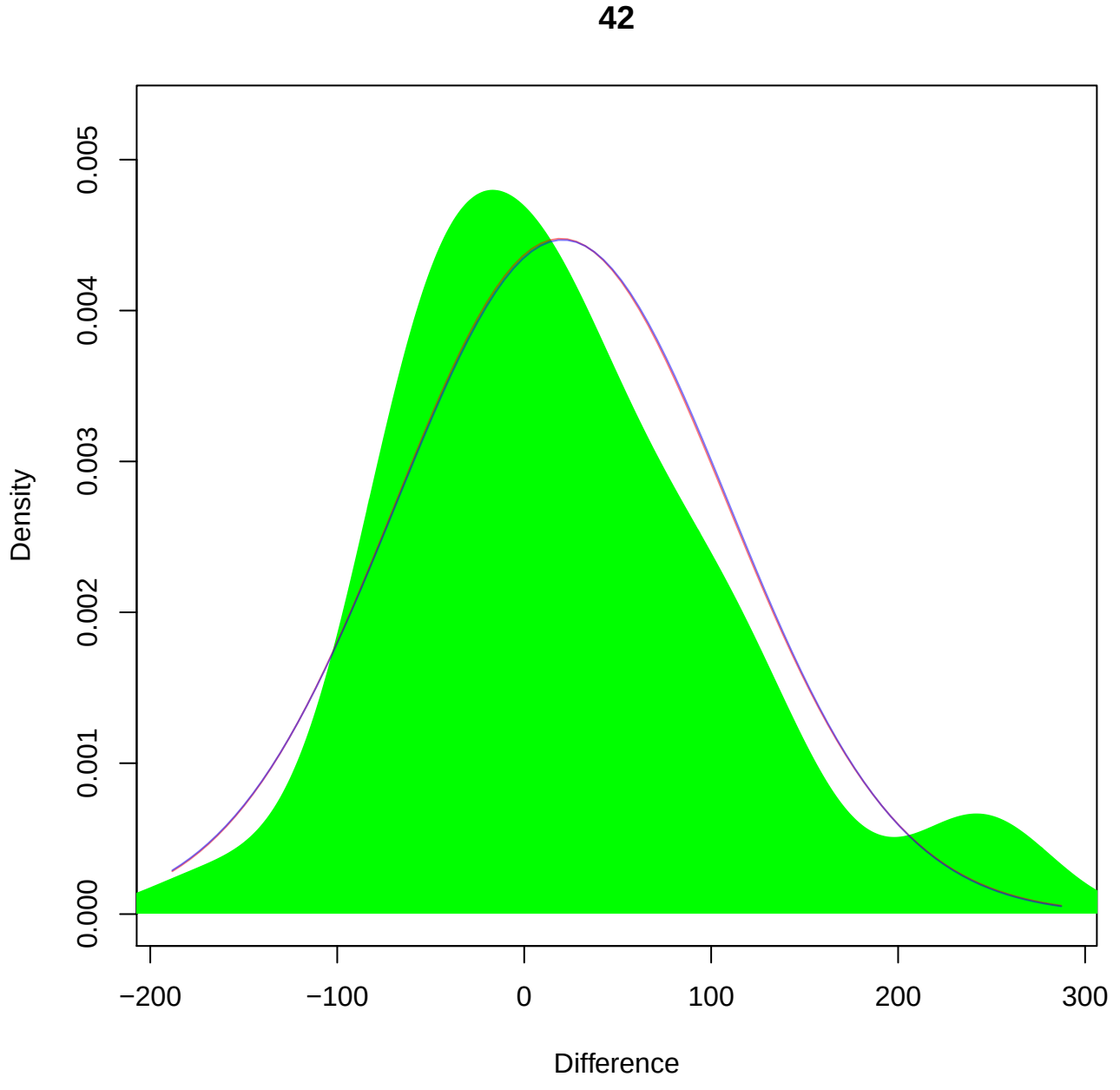
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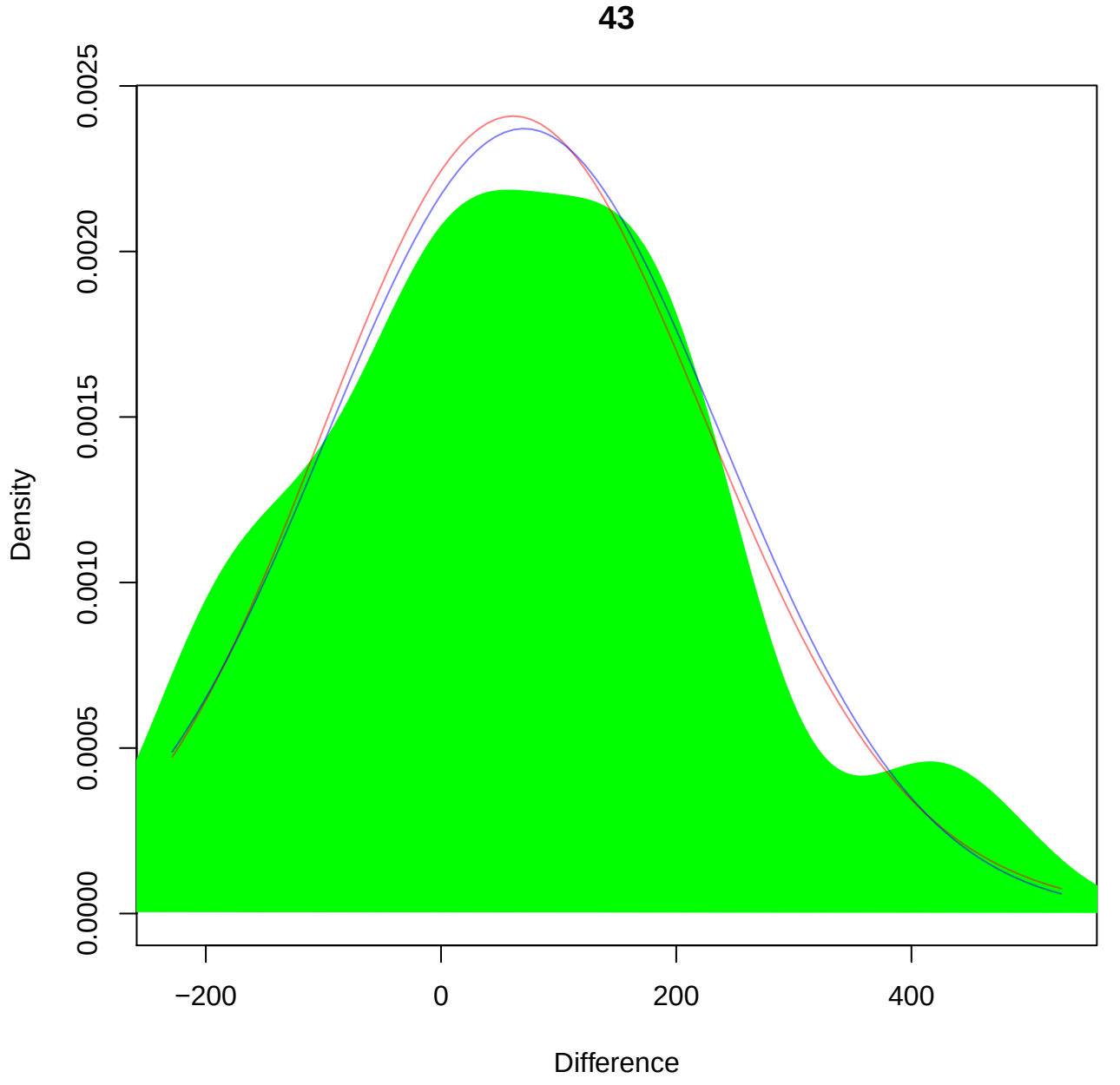
43
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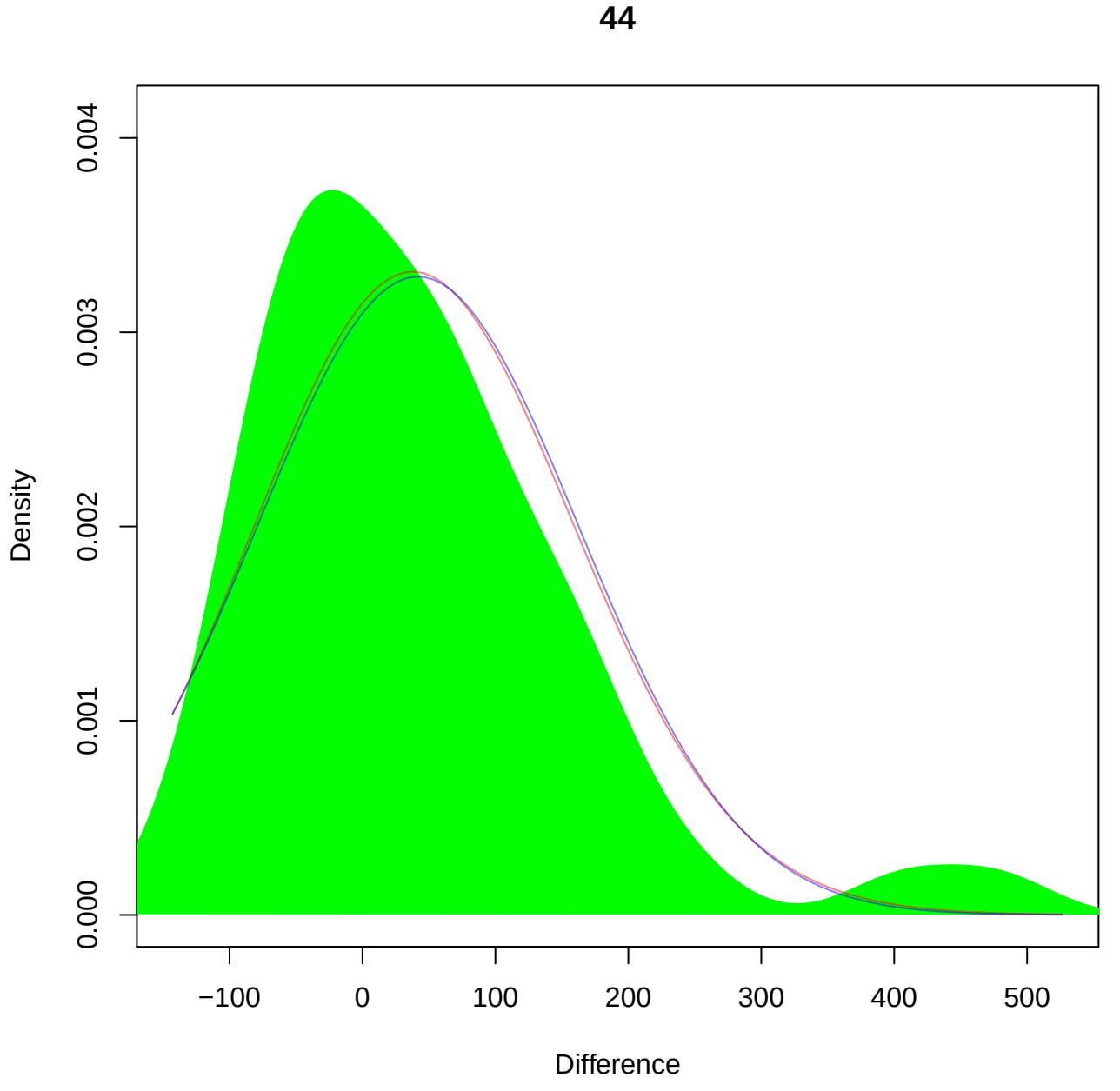
Difference


44
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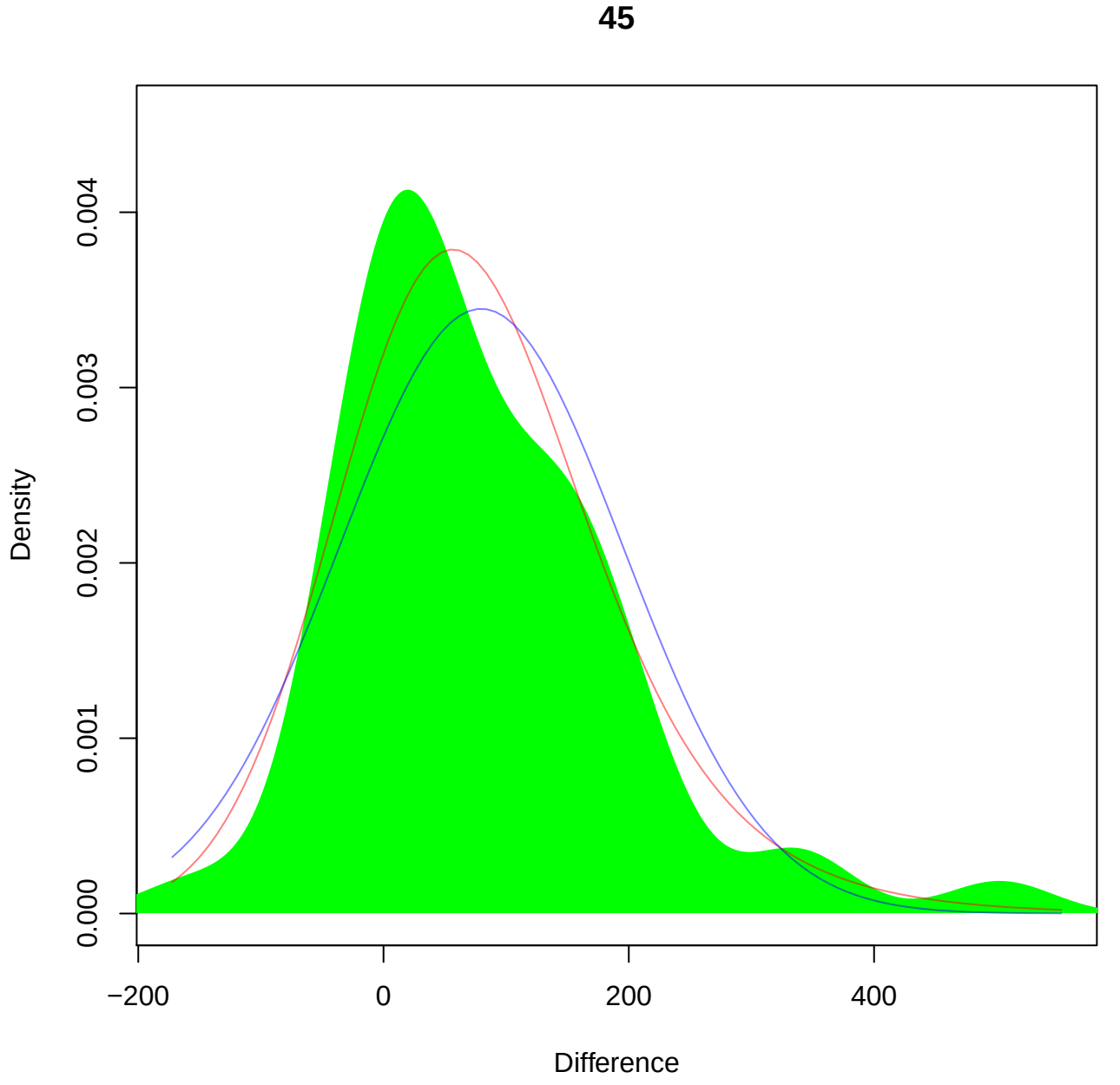
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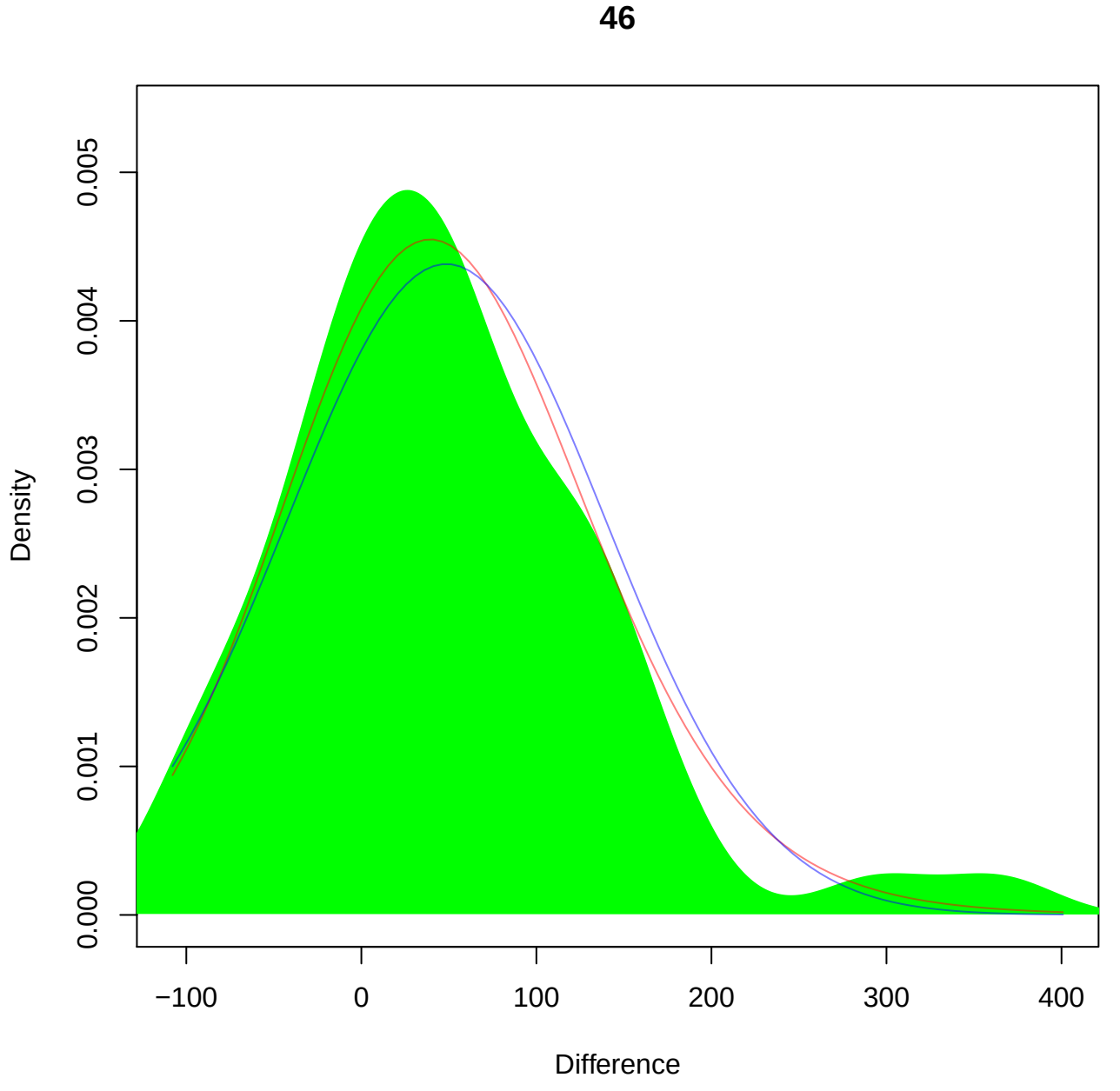
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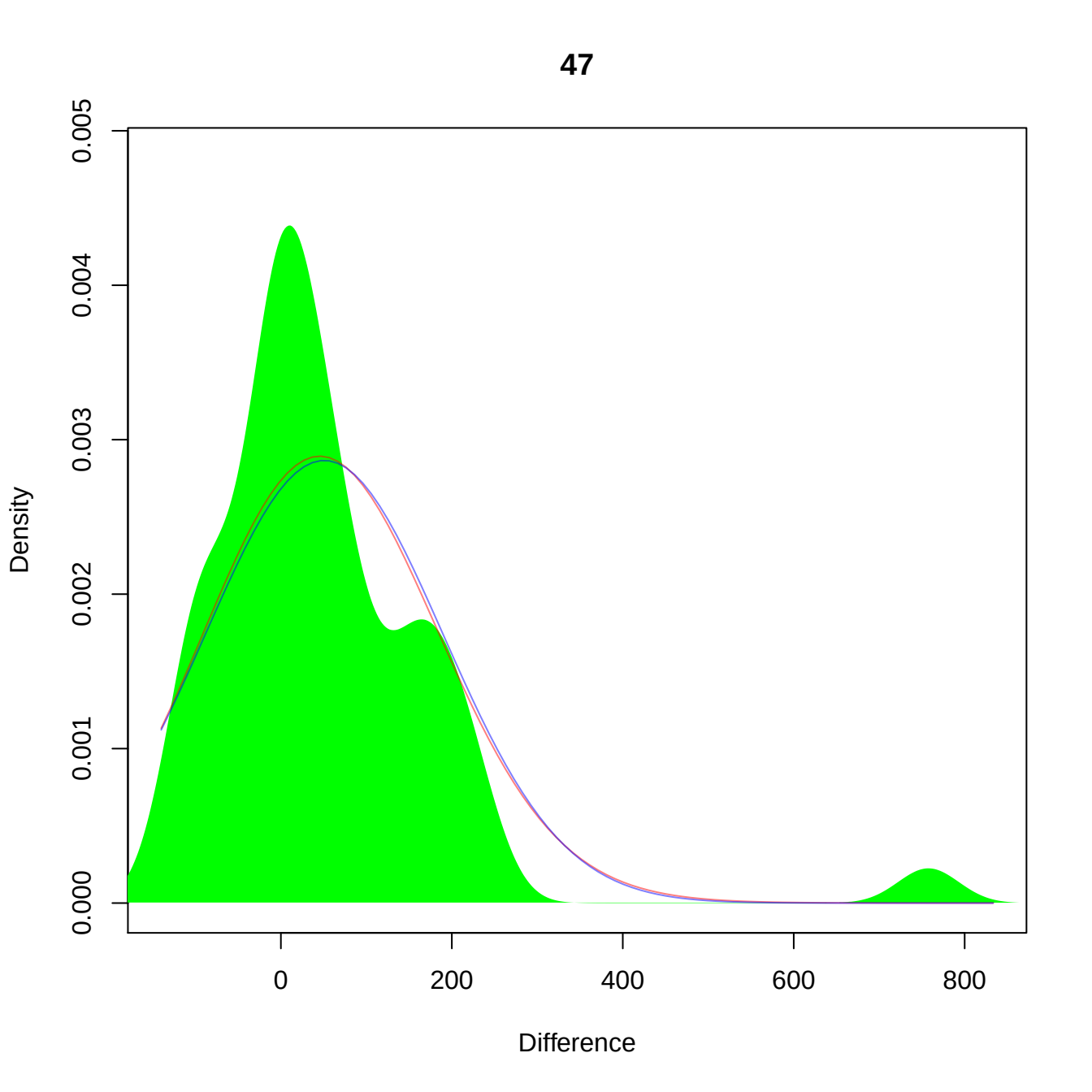
Difference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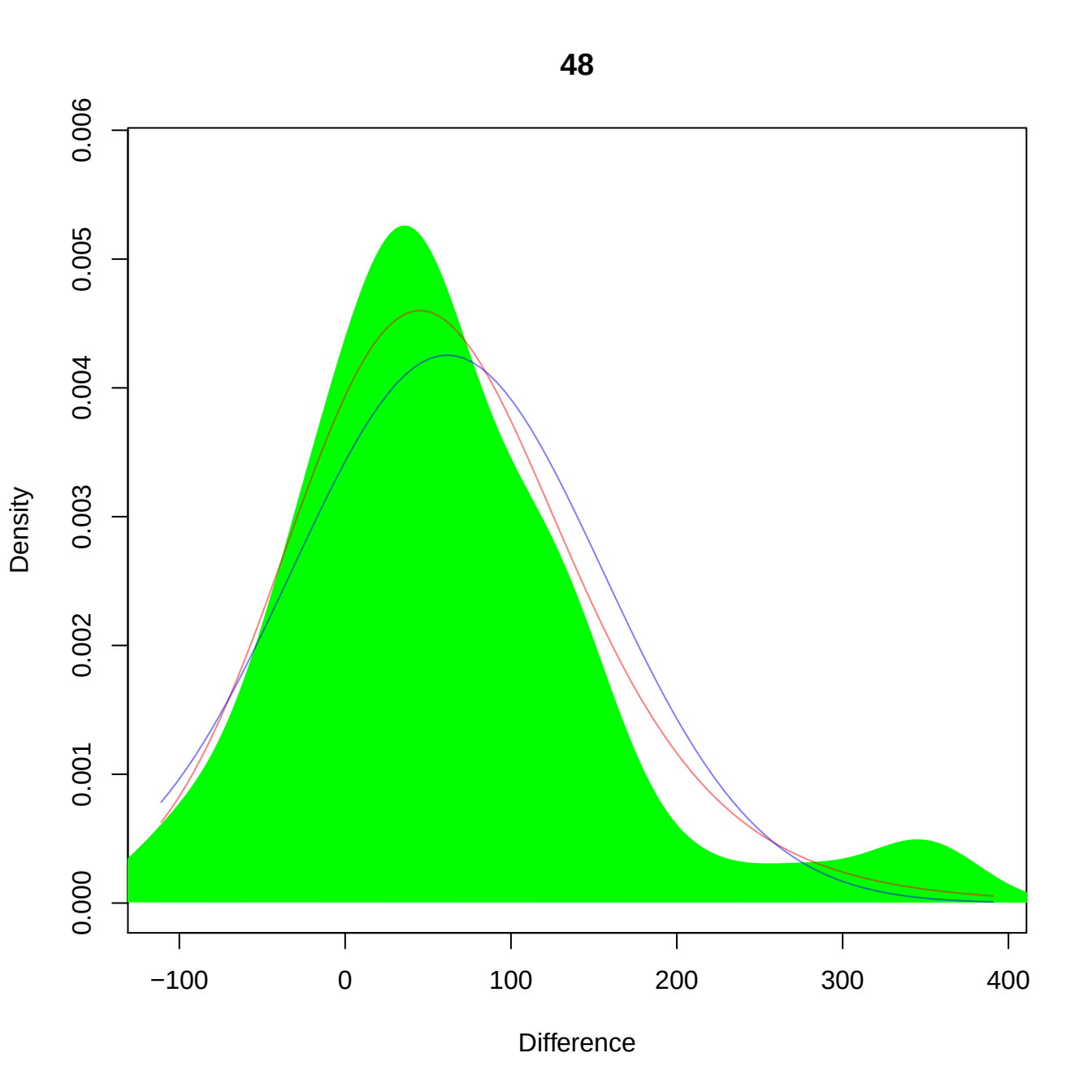
800
Difference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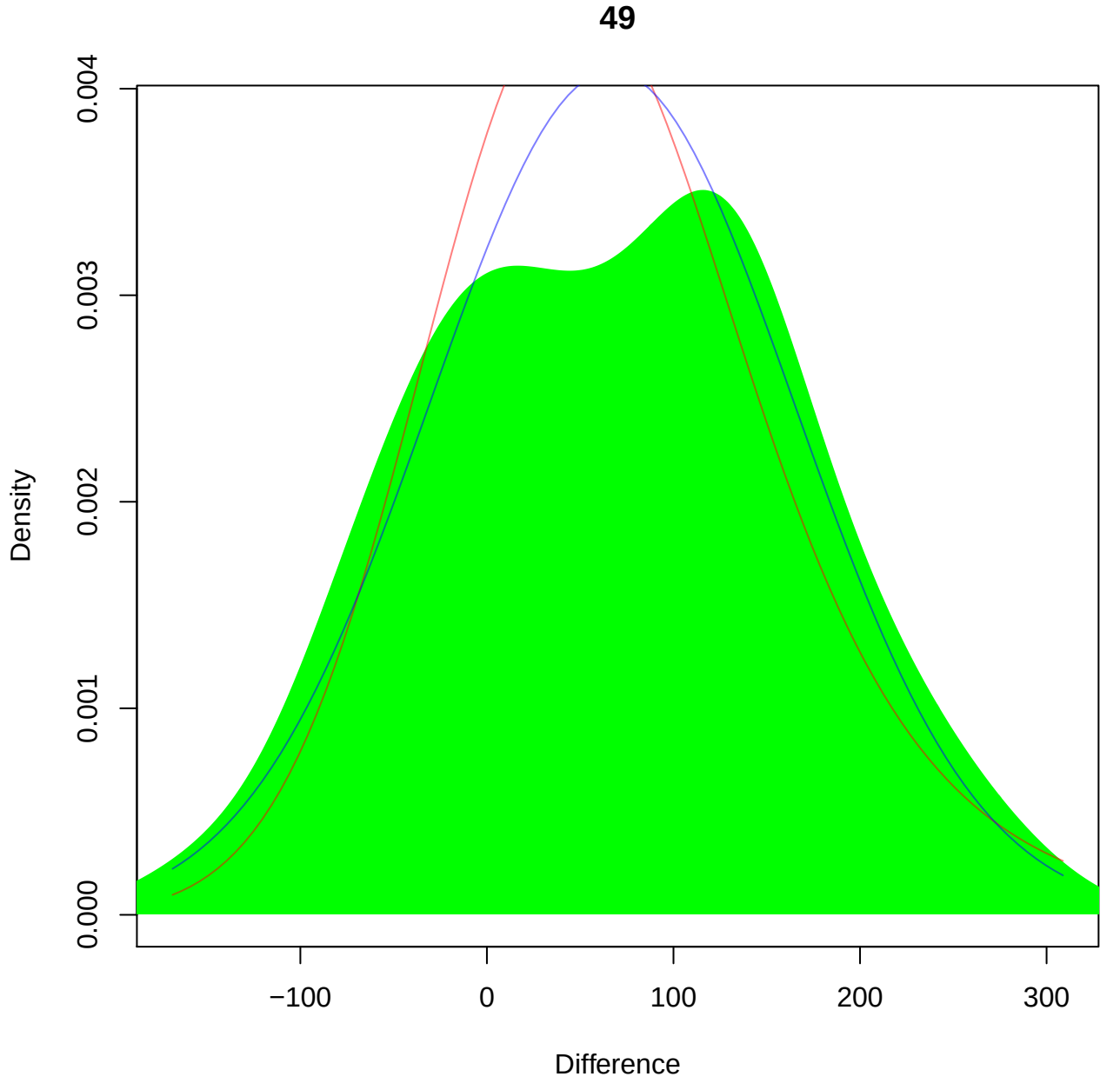
49
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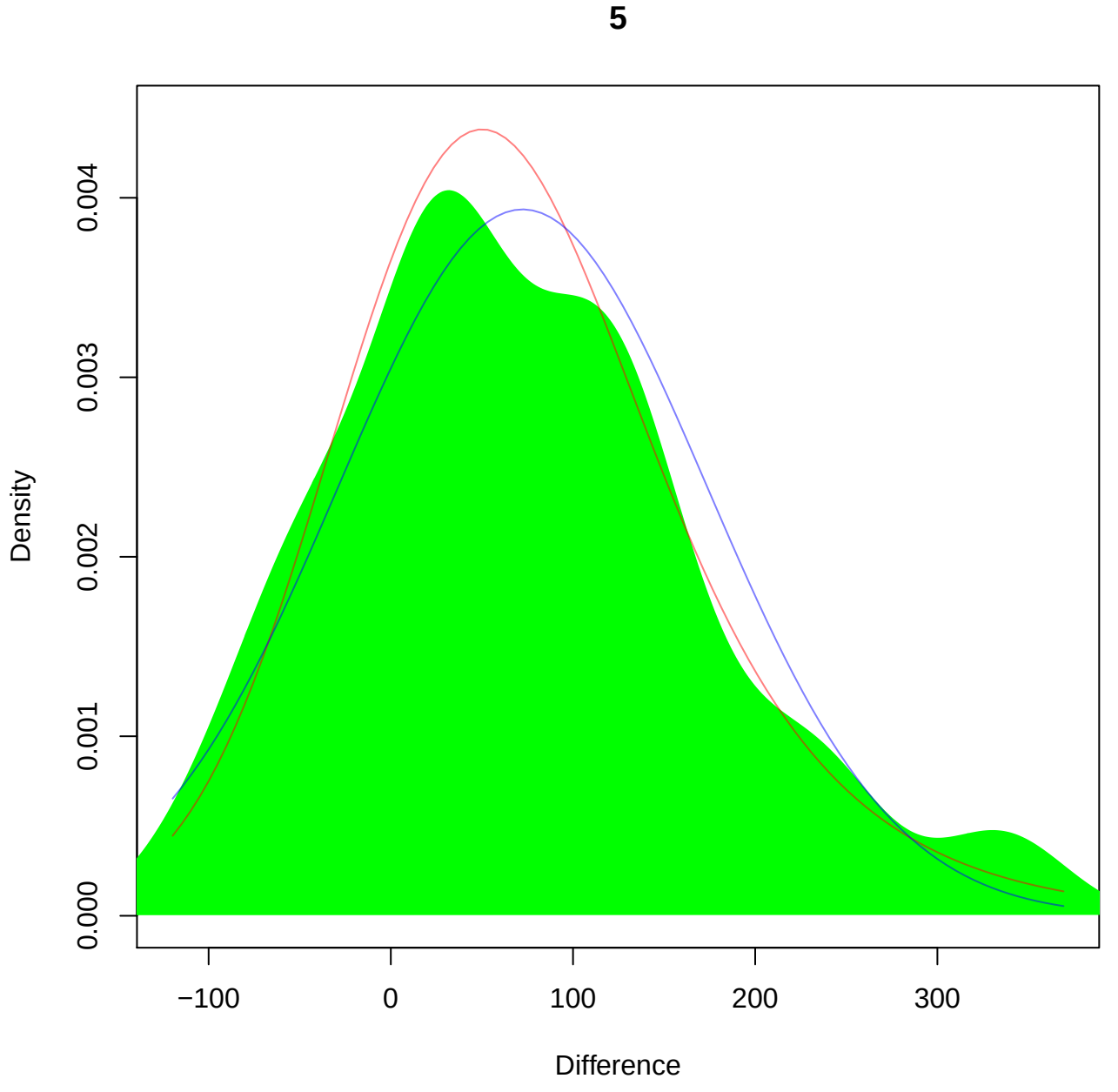
Difference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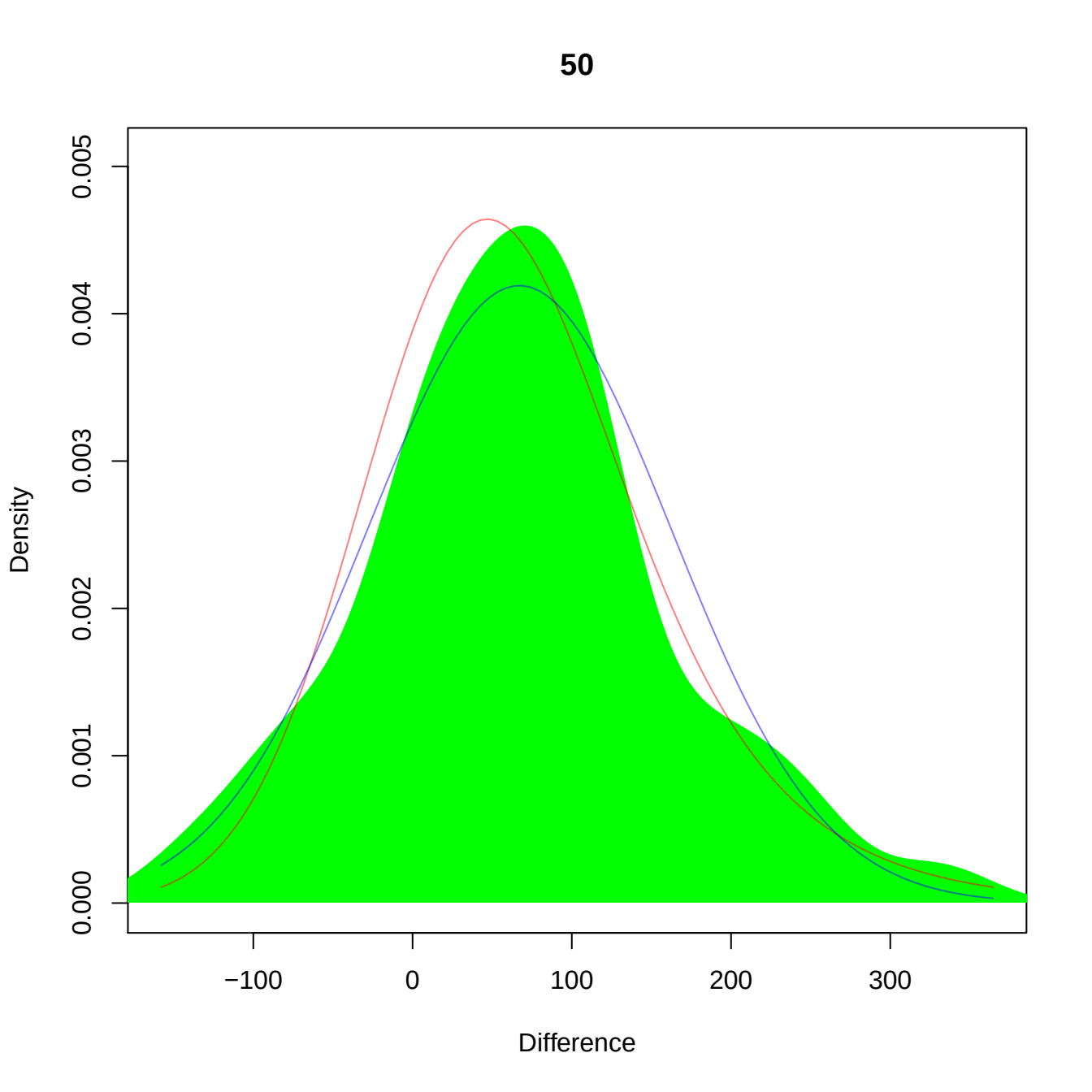
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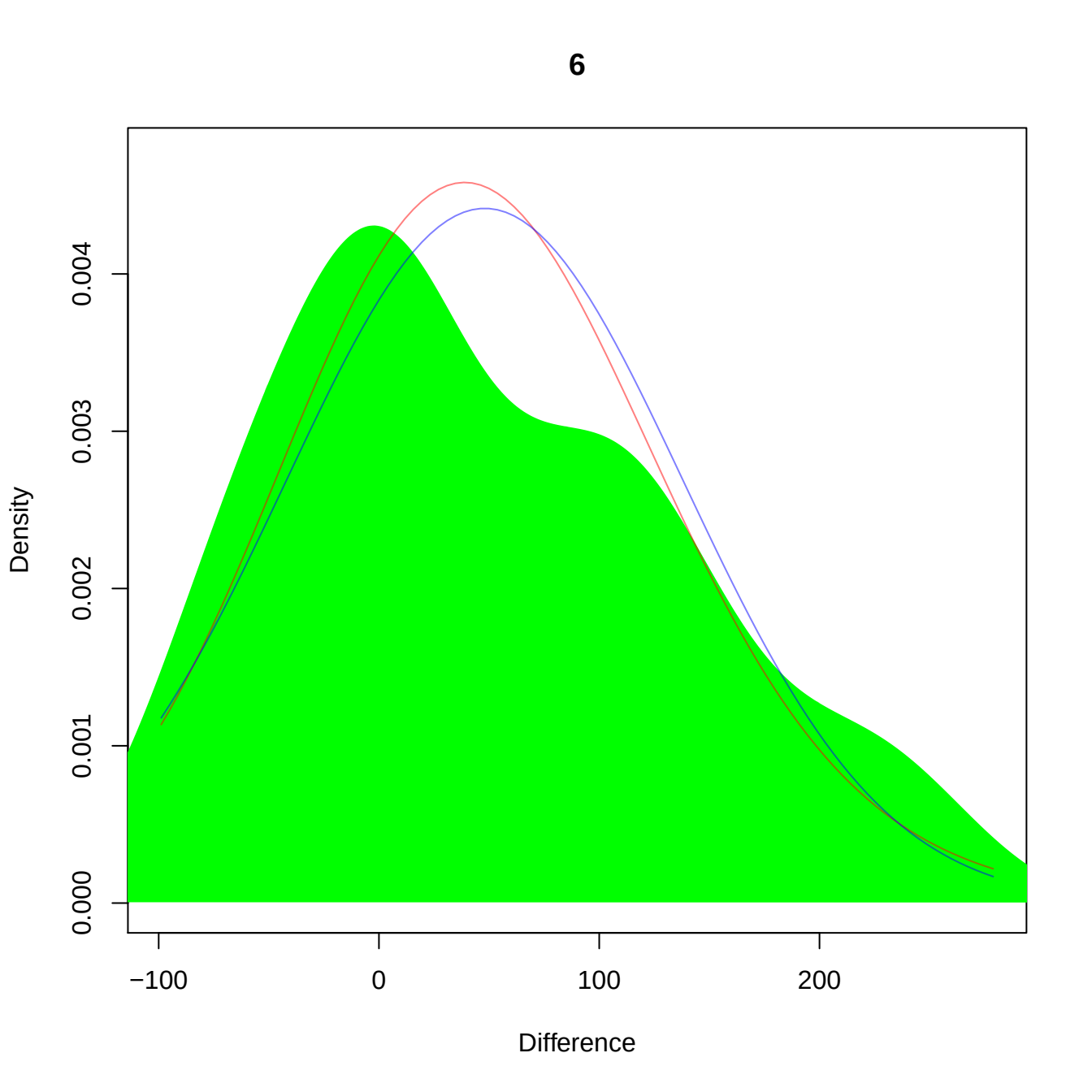
Difference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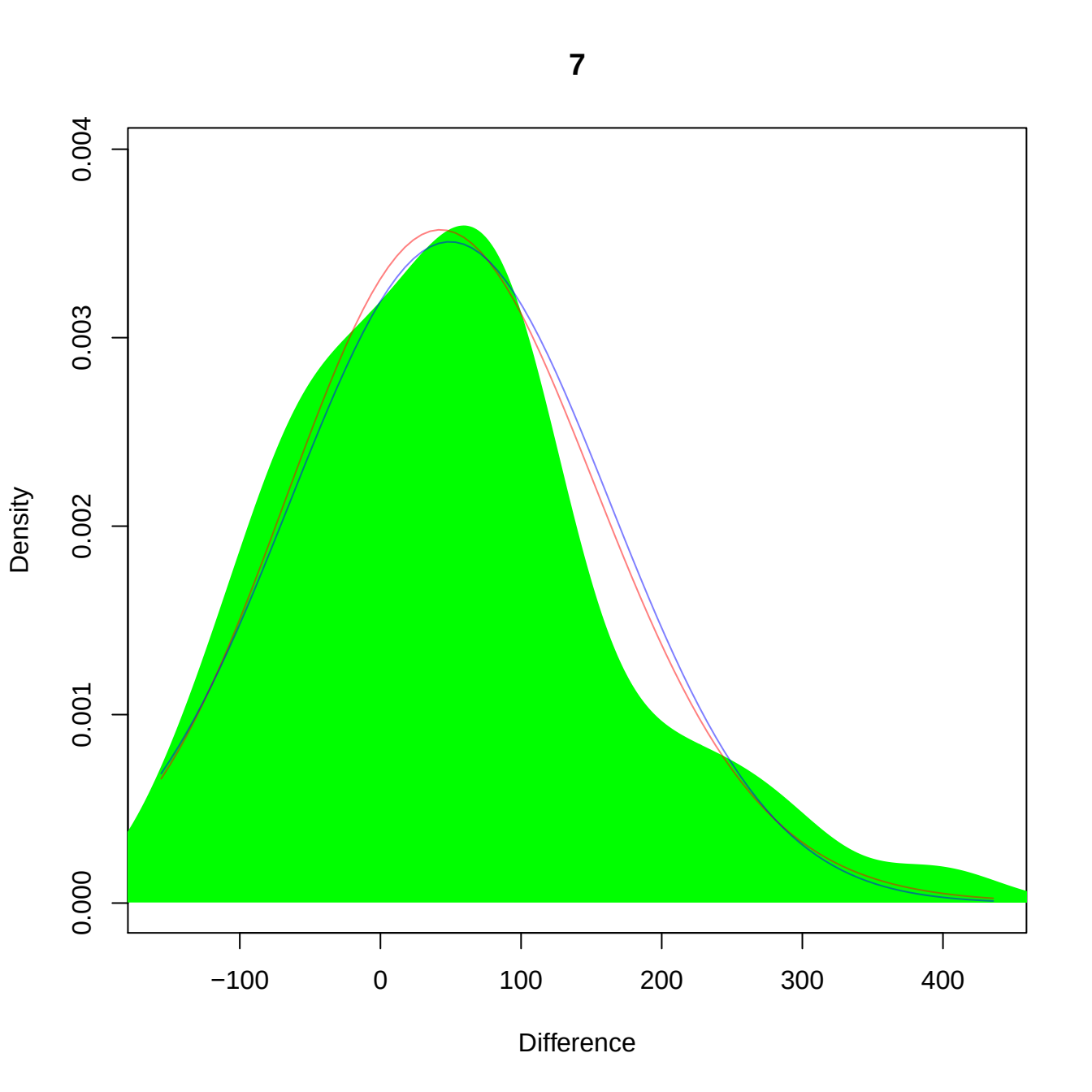
Difference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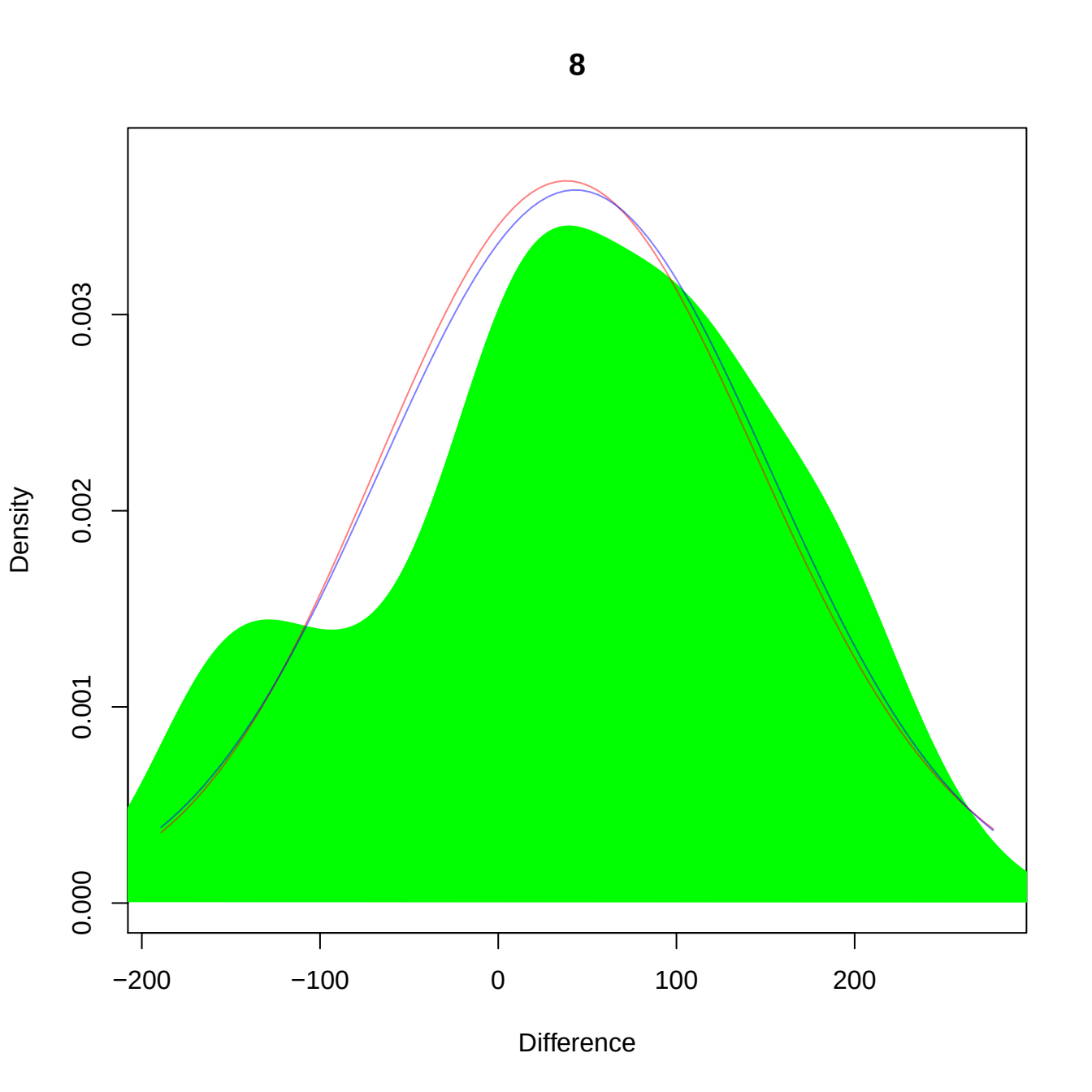
Difference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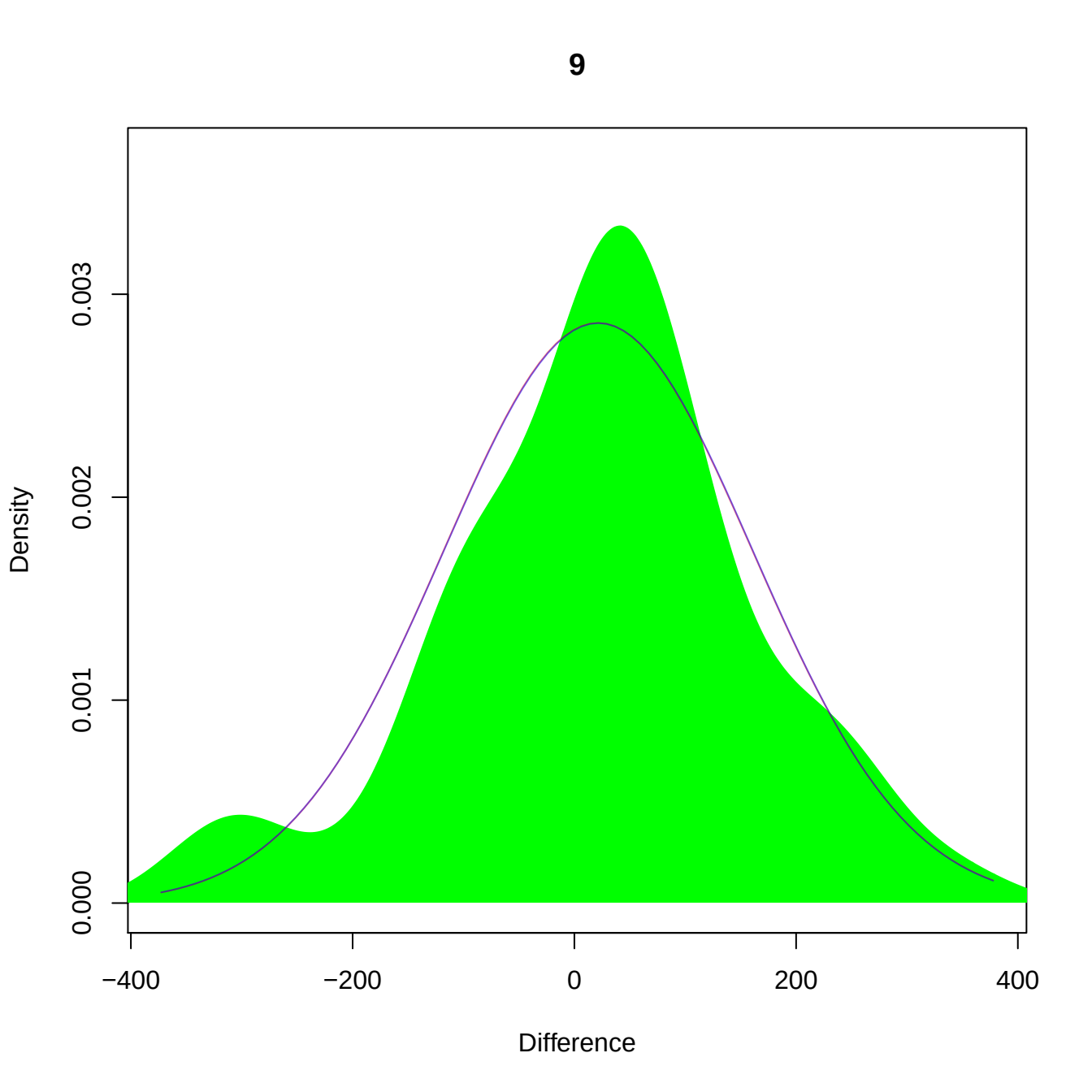
Difference


9
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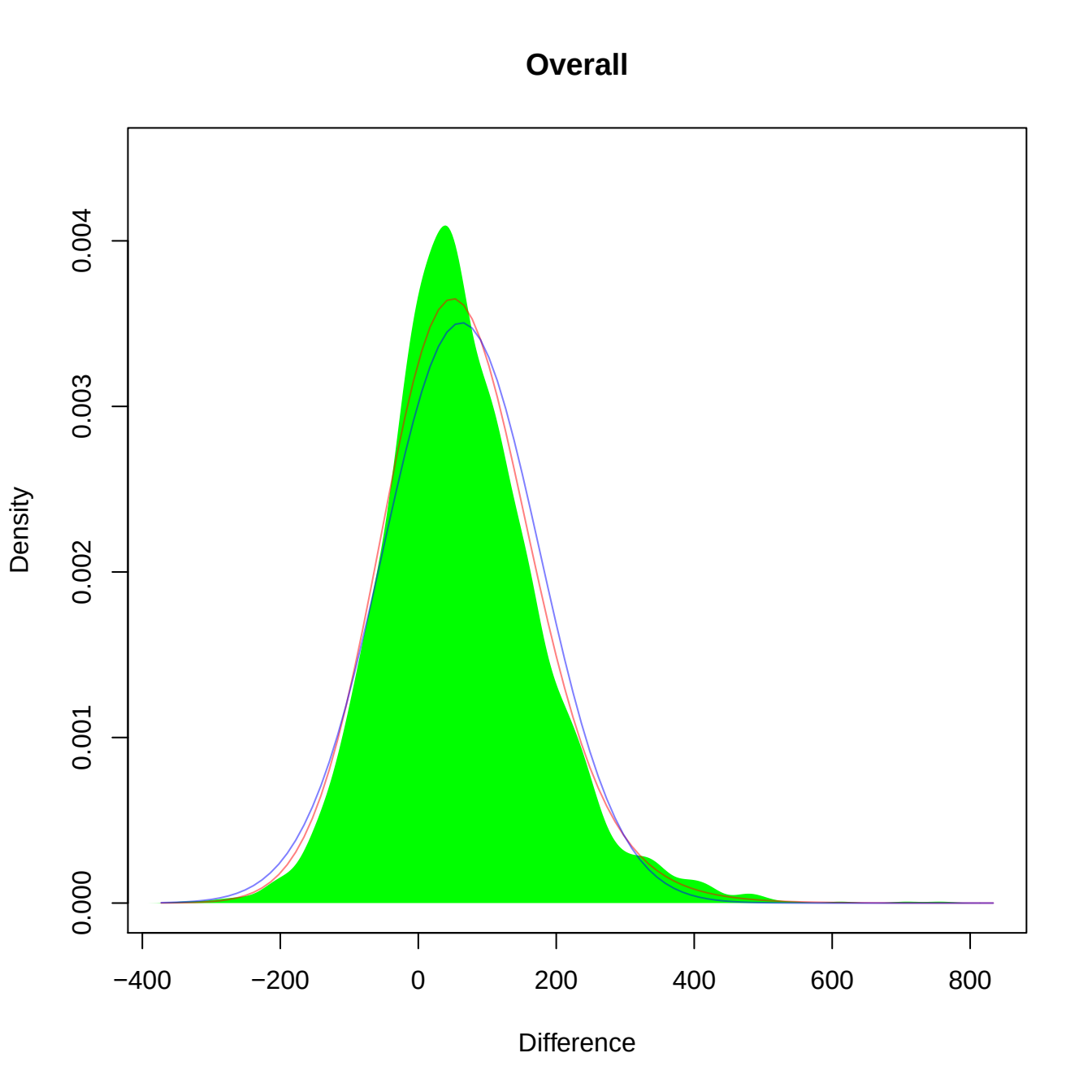
Difference


Overall
Density
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200
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600
800
Difference