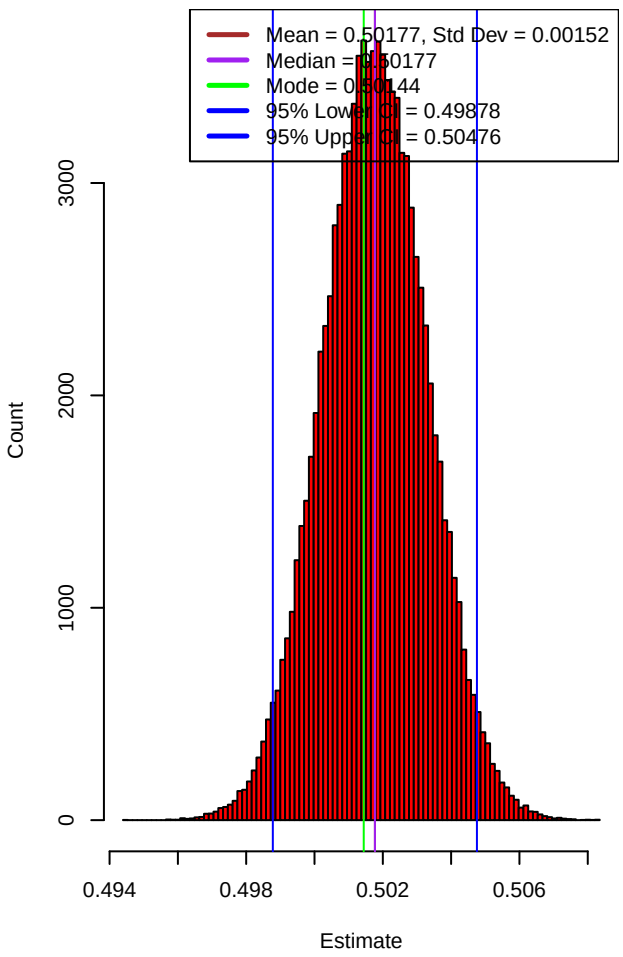
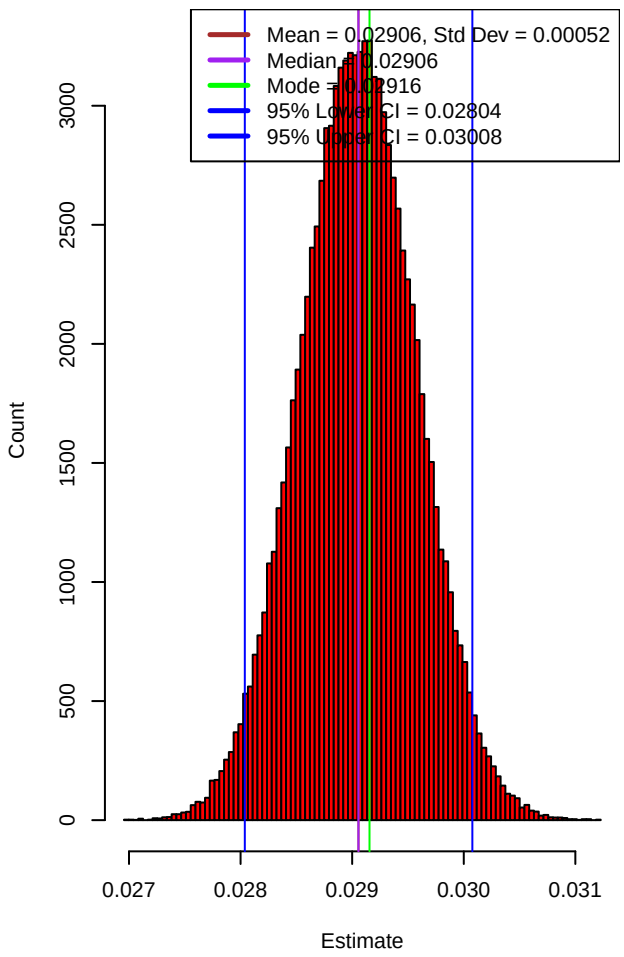
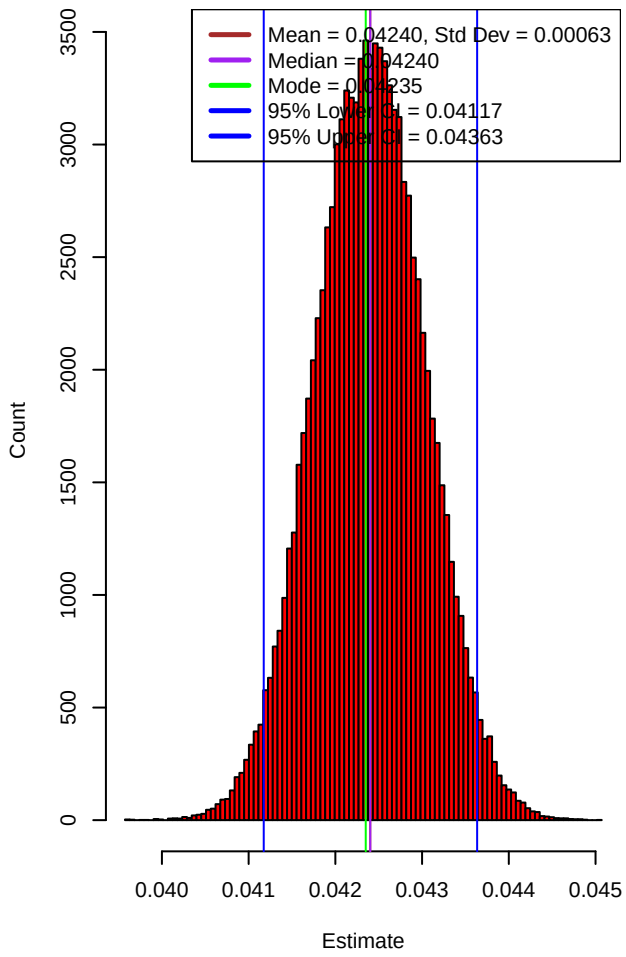
**Distribution of: Parameter 1, %WITHIN%: [ MALE ]**



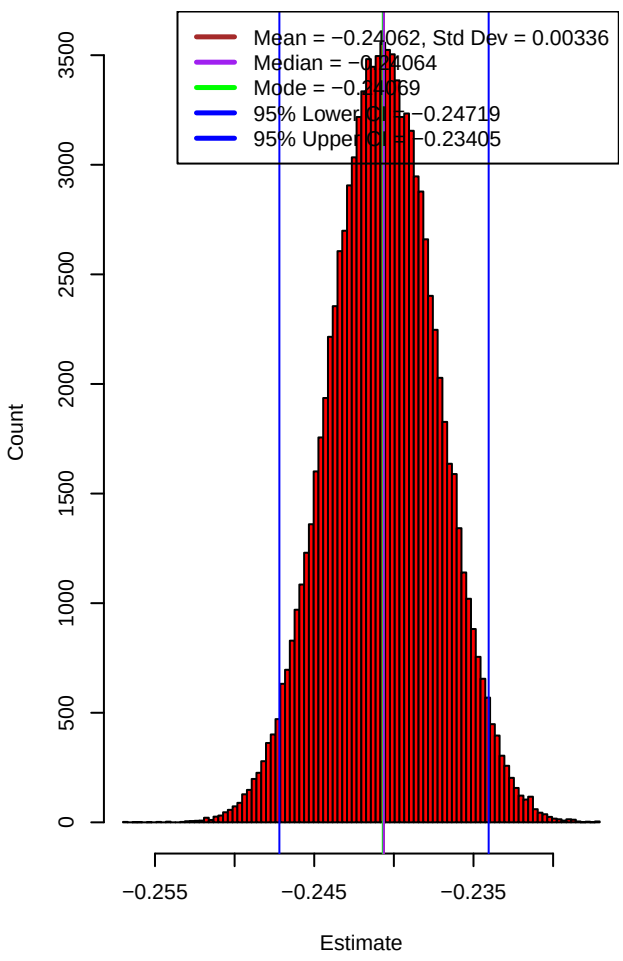

**Distribution of: Parameter 2, %WITHIN%: [ IMMI1GE**



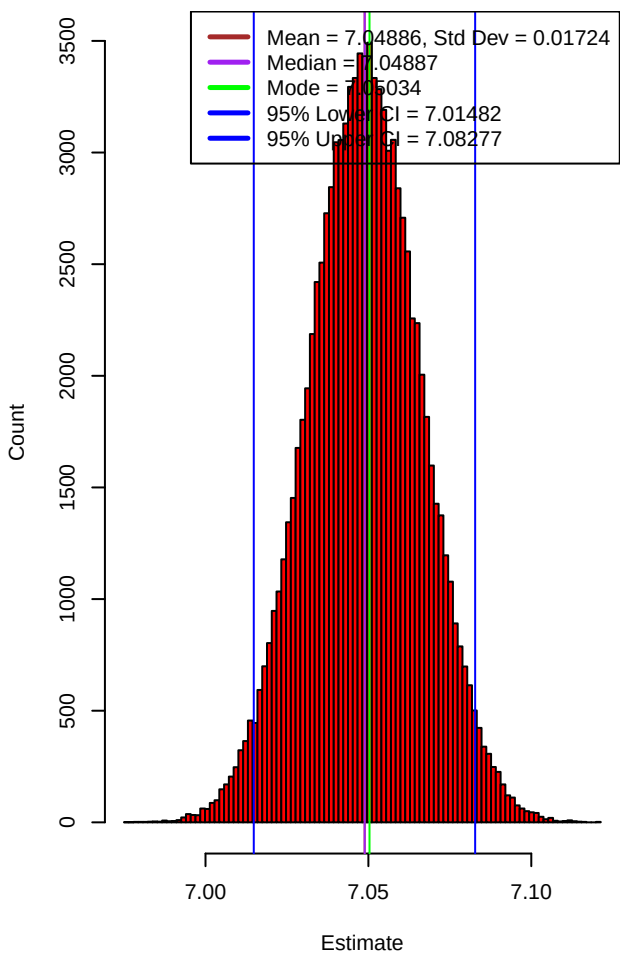

**Distribution of: Parameter 3, %WITHIN%: [ IMMI2GE**



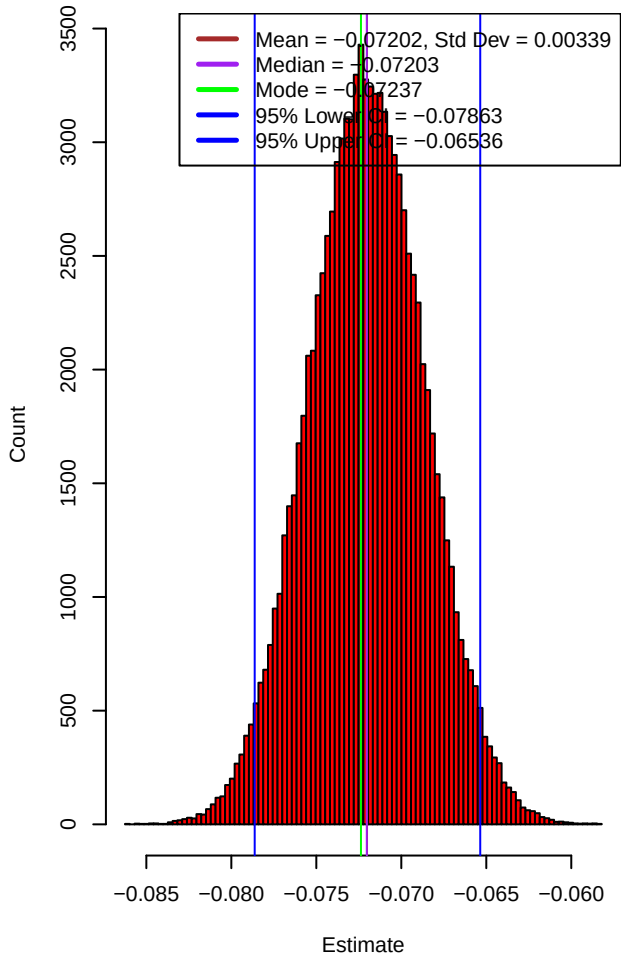

**Distribution of: Parameter 4, %WITHIN%: [ ESCS ]**



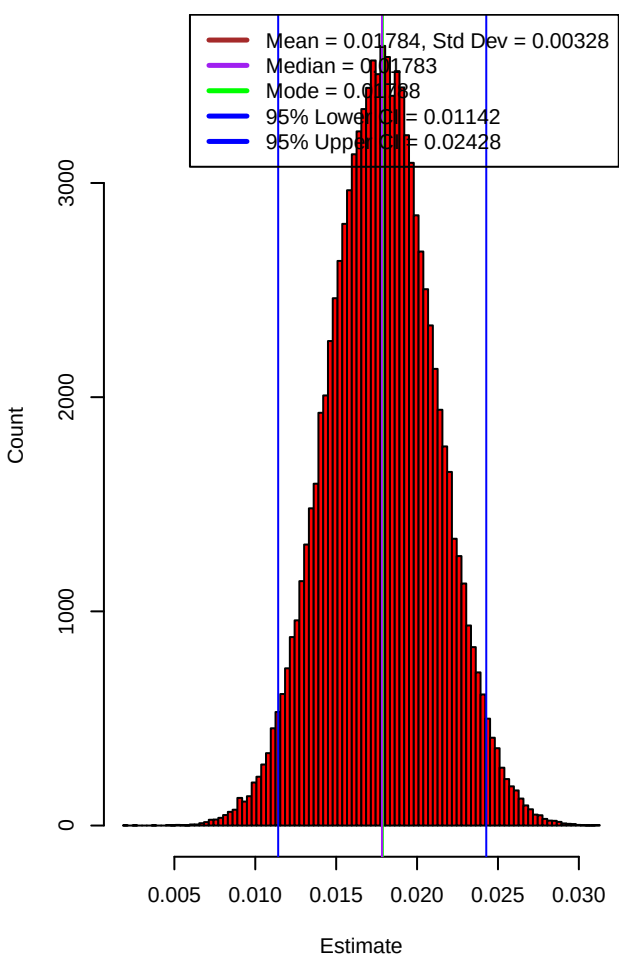

**Distribution of: Parameter 5, %WITHIN%: [ FCFMLRT**



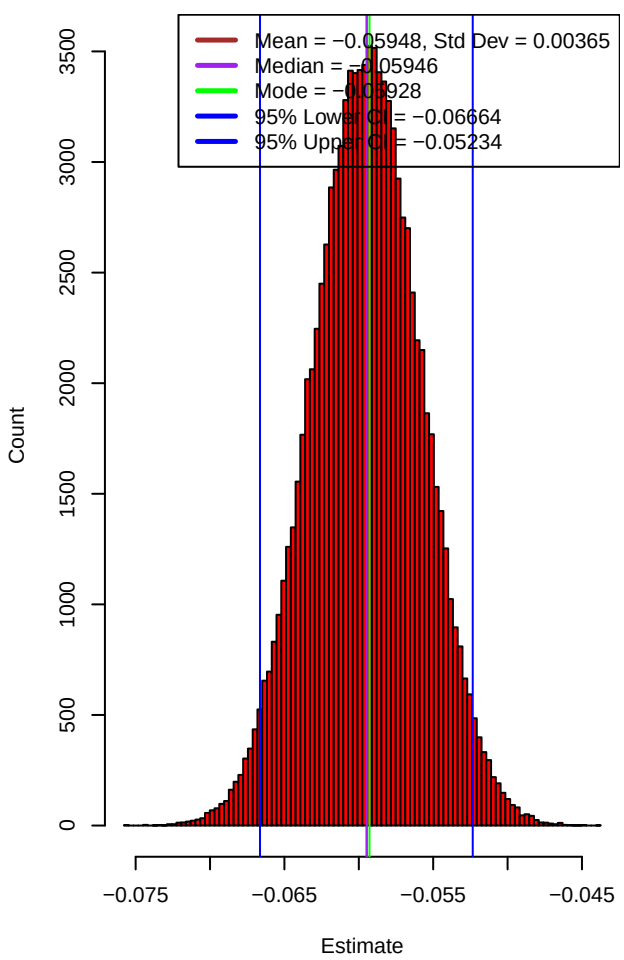

**Distribution of: Parameter 6, %WITHIN%: [ FLCONFI**



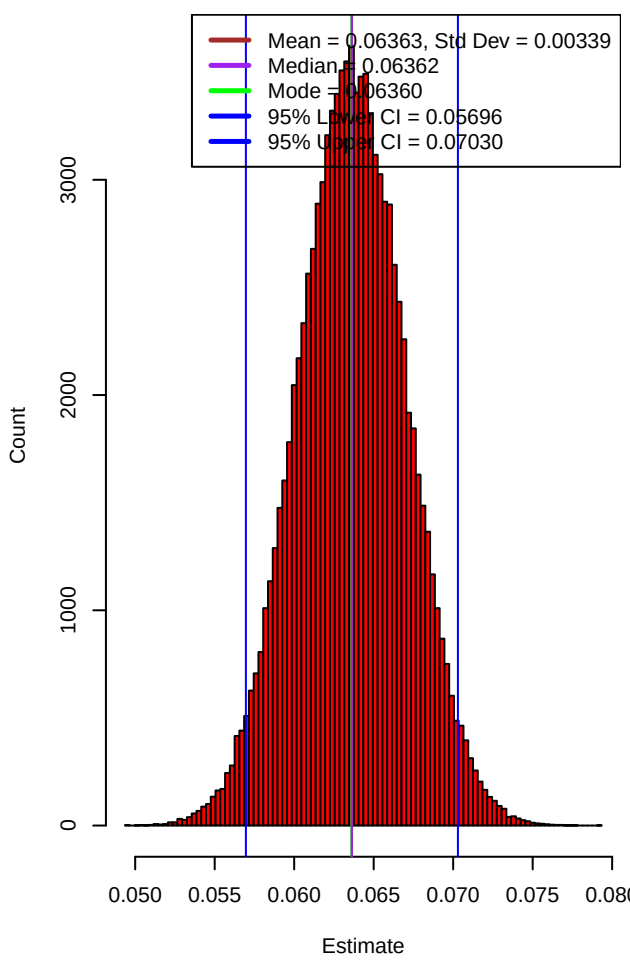

**Distribution of: Parameter 7, %WITHIN%: [ FLSCHOC**



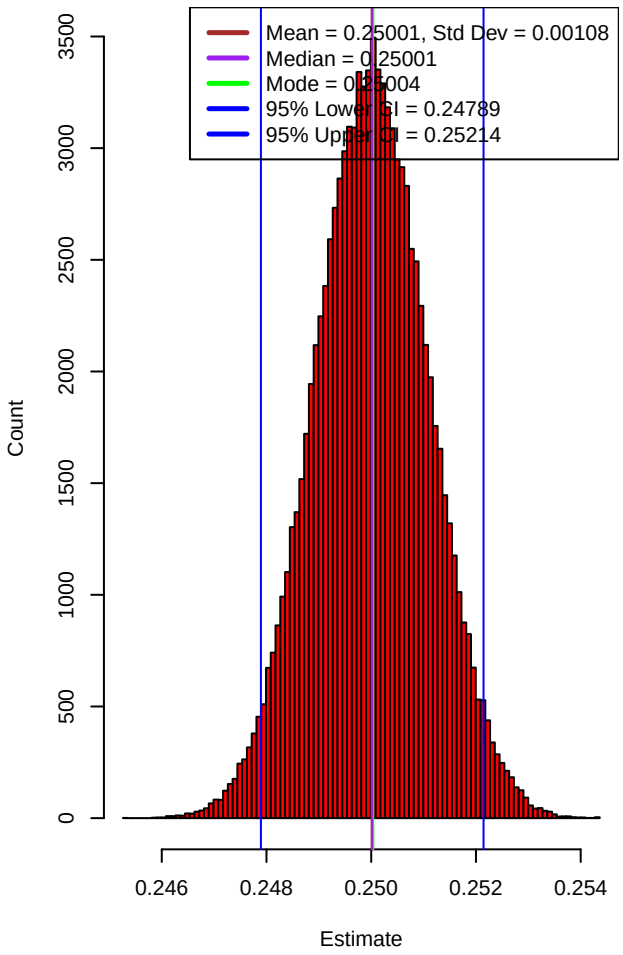

**Distribution of: Parameter 8, %WITHIN%: [ NOBULL**



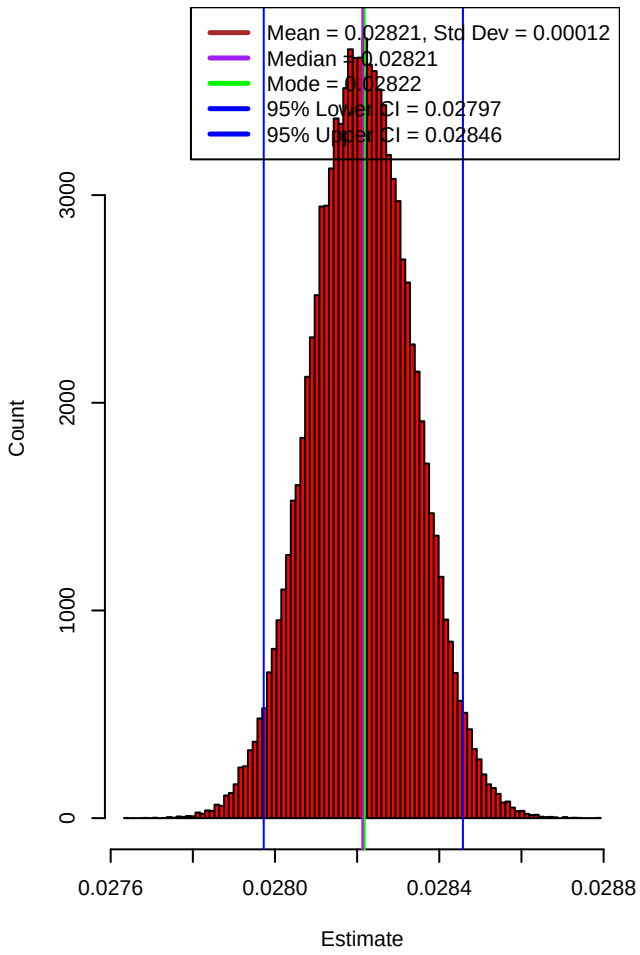

**Distribution of: Parameter 9, %WITHIN%: [ FLFAMIL**



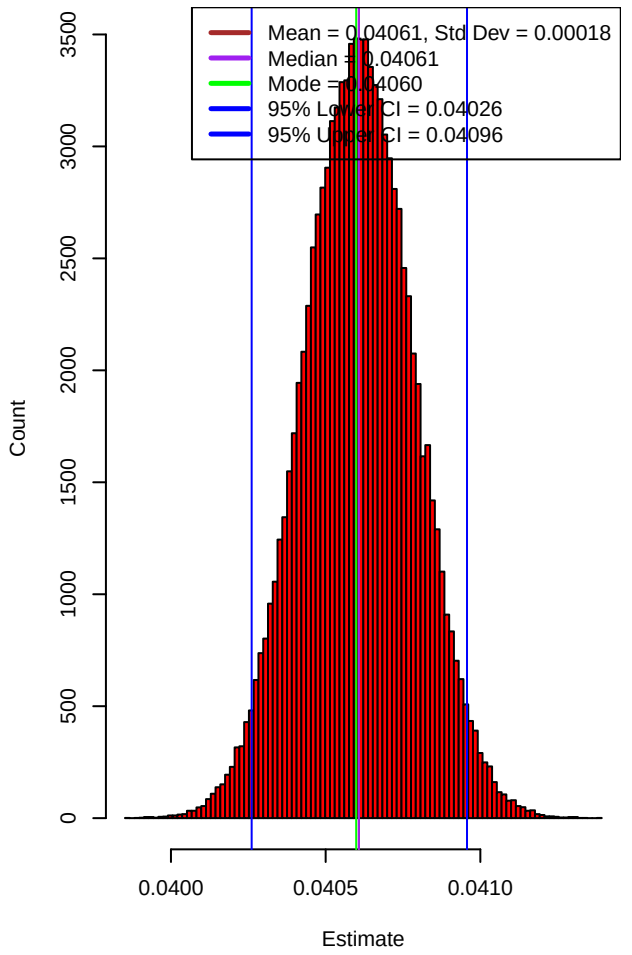
**Distribution of: Parameter 10, %WITHIN%: MALE**



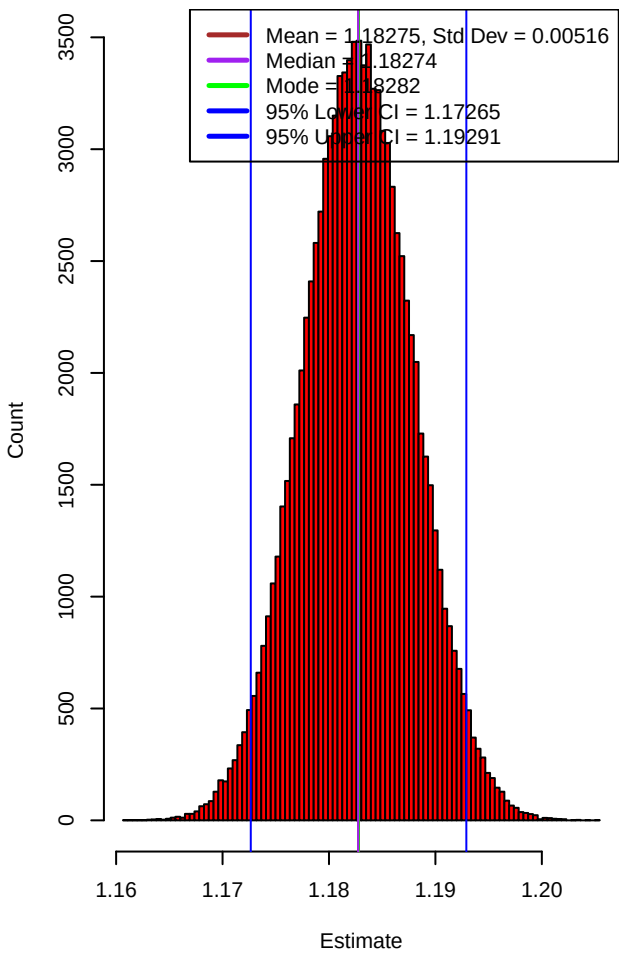

**Distribution of: Parameter 11, %WITHIN%: IMMI1GE**



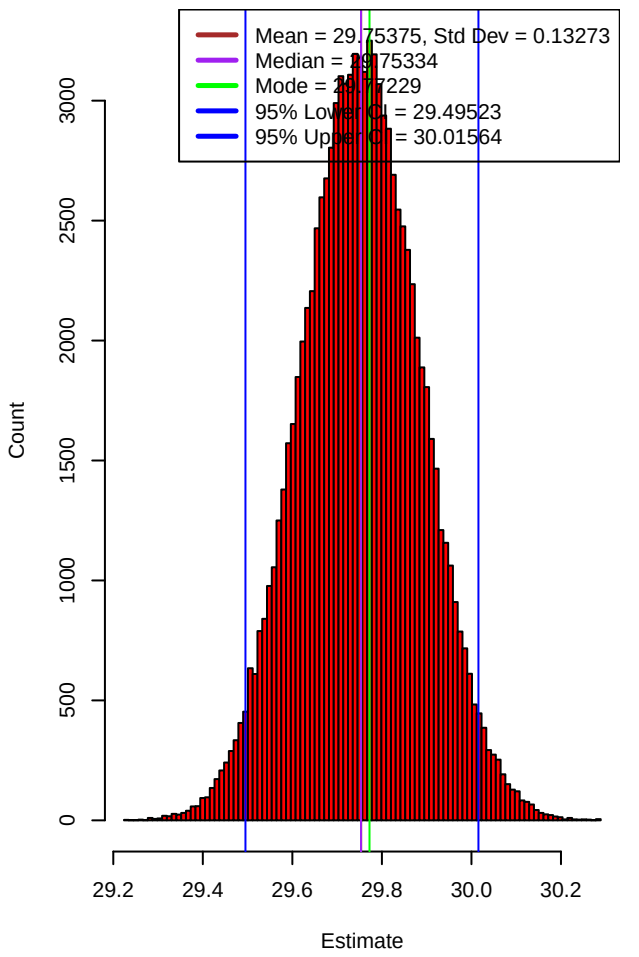

**Distribution of: Parameter 12, %WITHIN%: IMMI2GE**



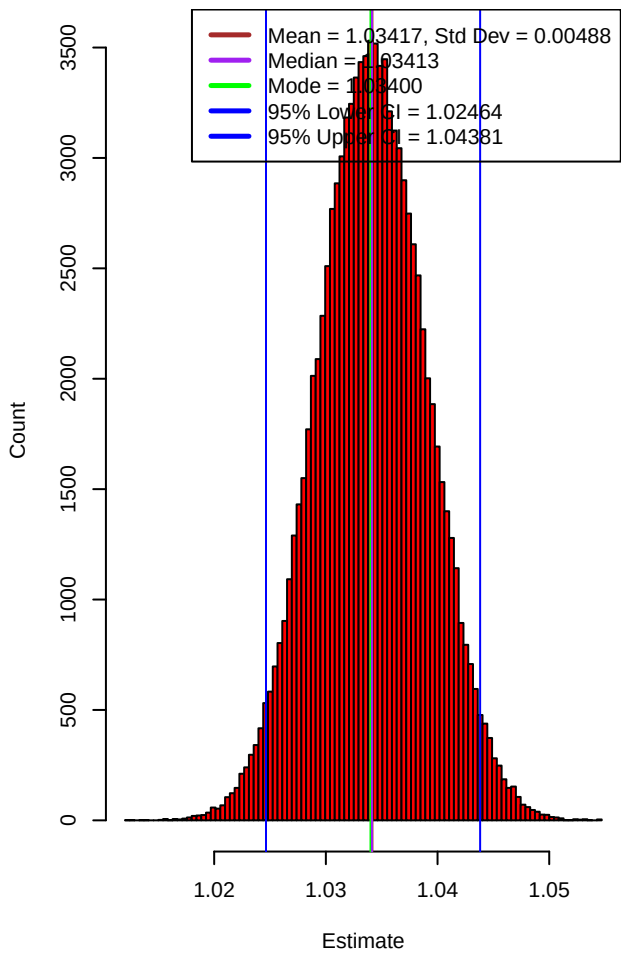

**Distribution of: Parameter 13, %WITHIN%: ESCS**



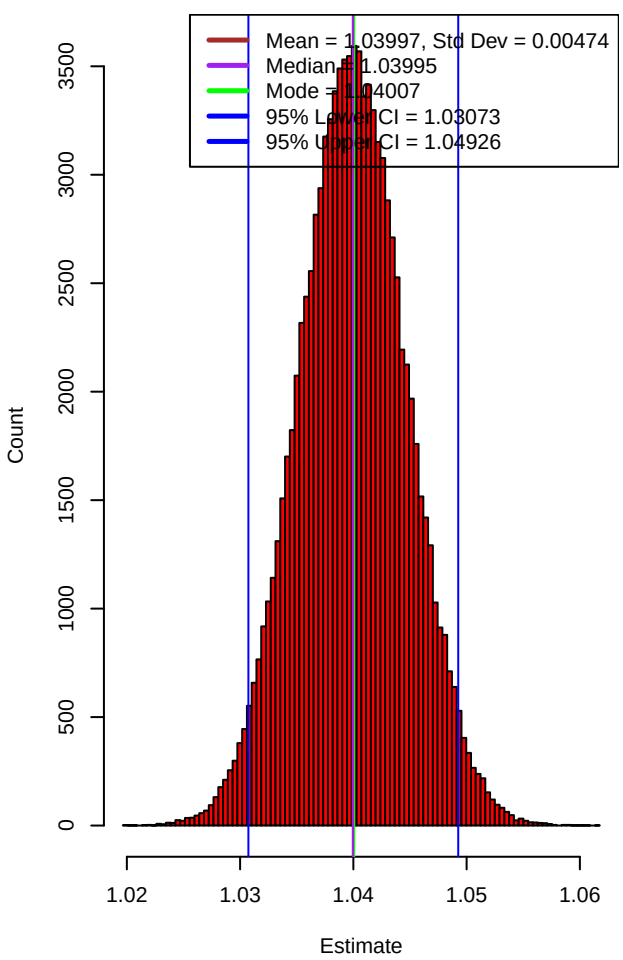

**Distribution of: Parameter 14, %WITHIN%: FCFMLR**



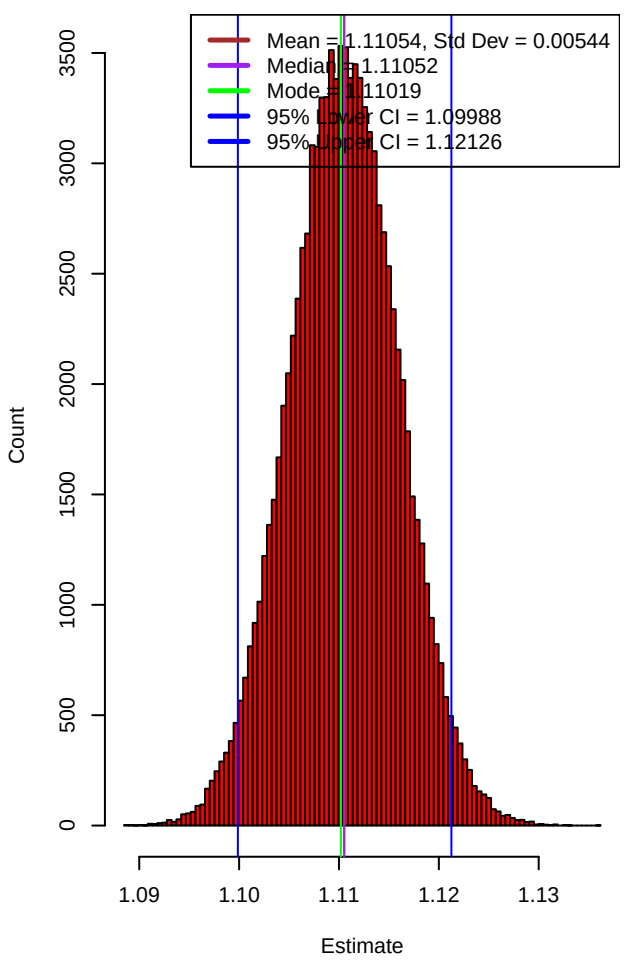

**Distribution of: Parameter 15, %WITHIN%: FLCONF**



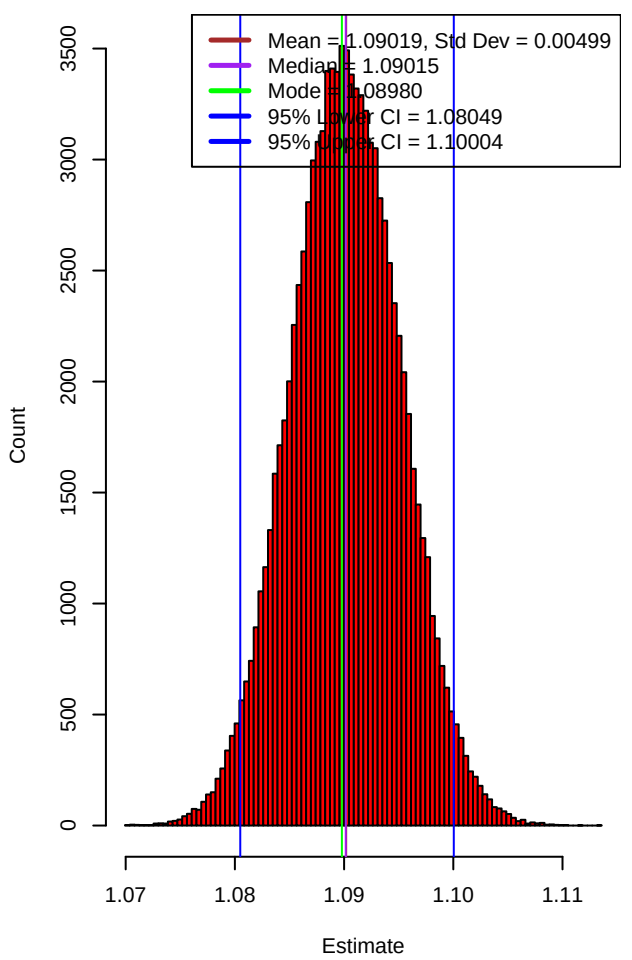

**Distribution of: Parameter 16, %WITHIN%: FLSCHO(**

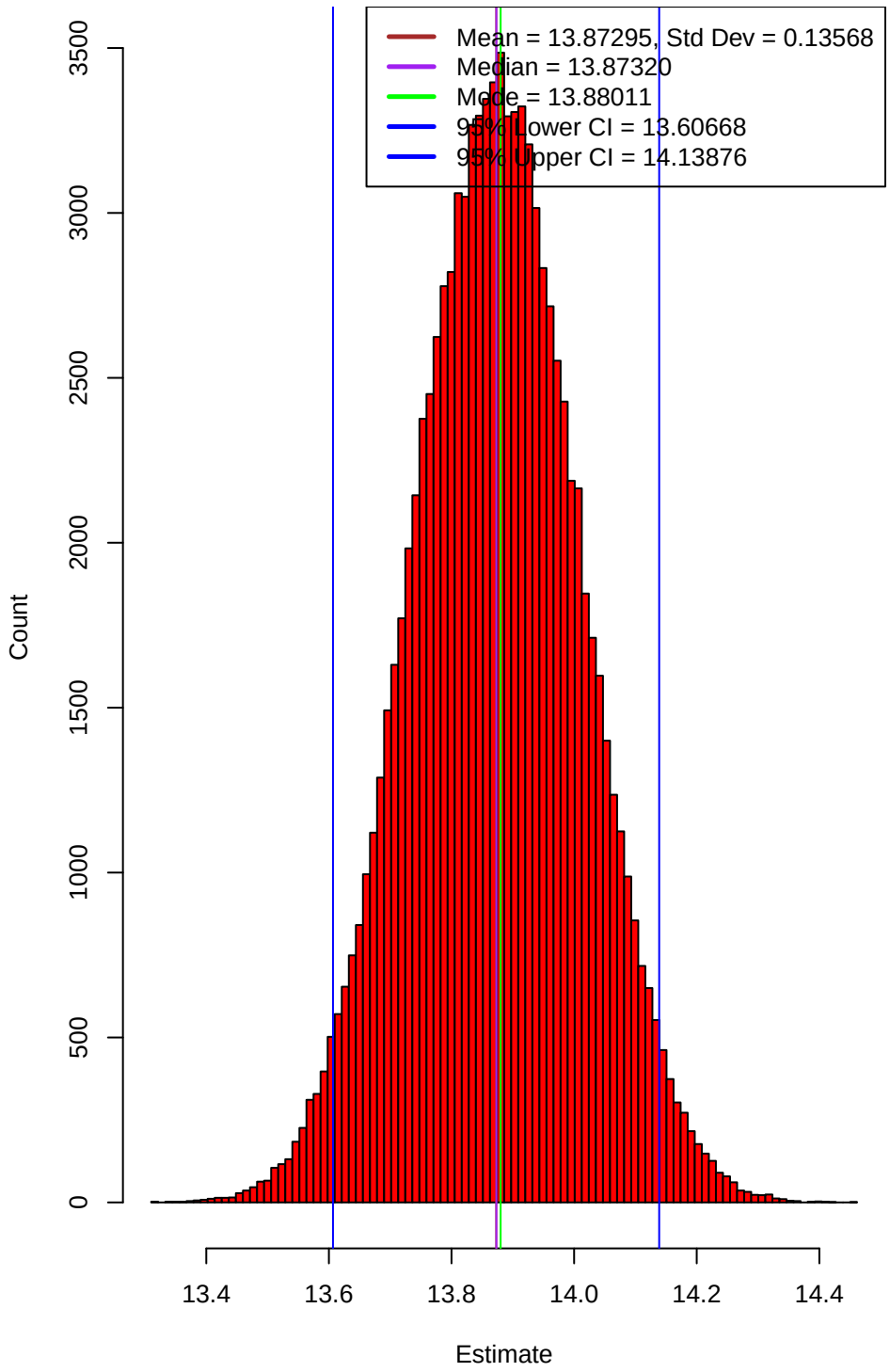


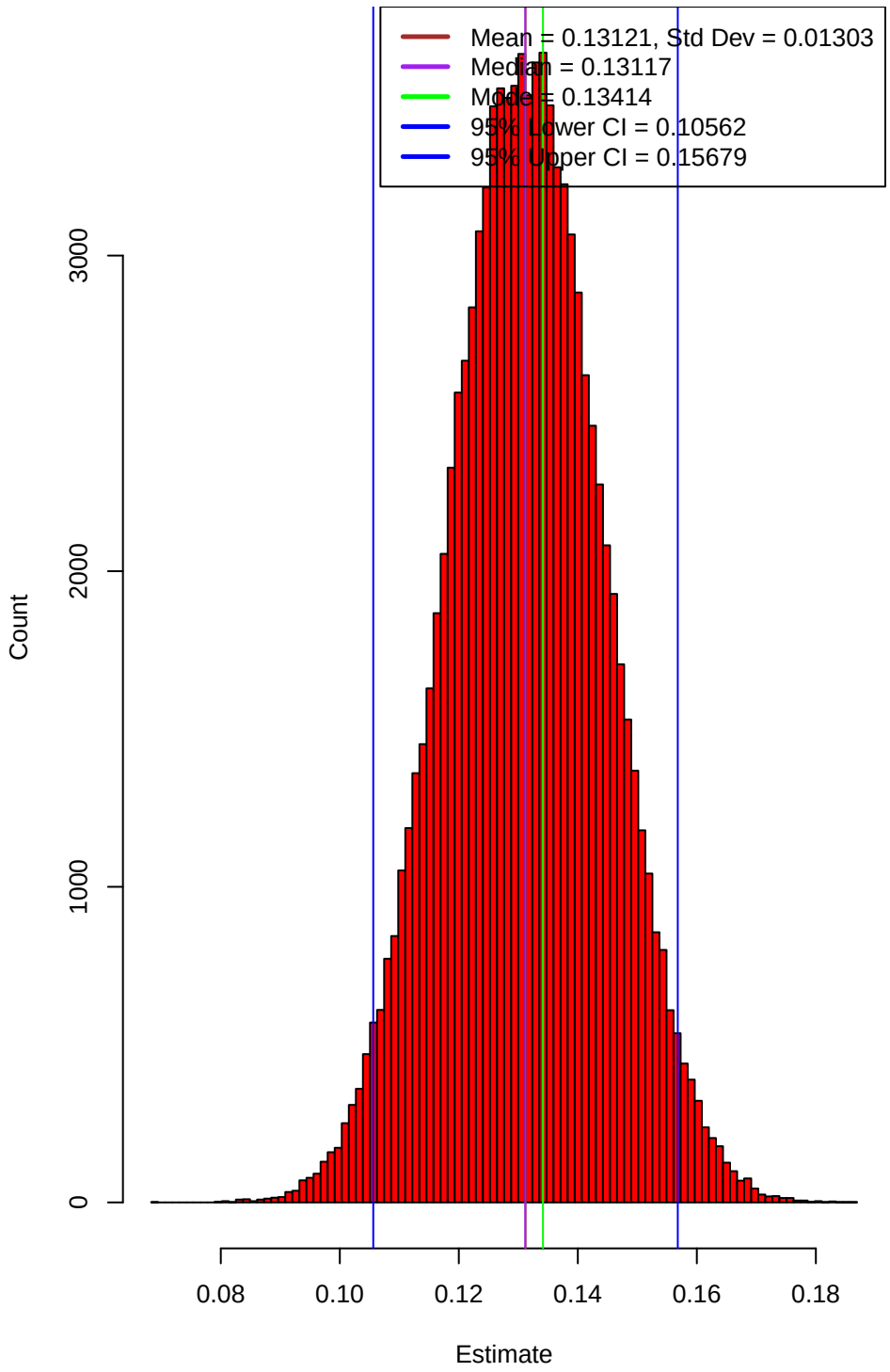

**Distribution of: Parameter 17, %WITHIN%: NOBULL**

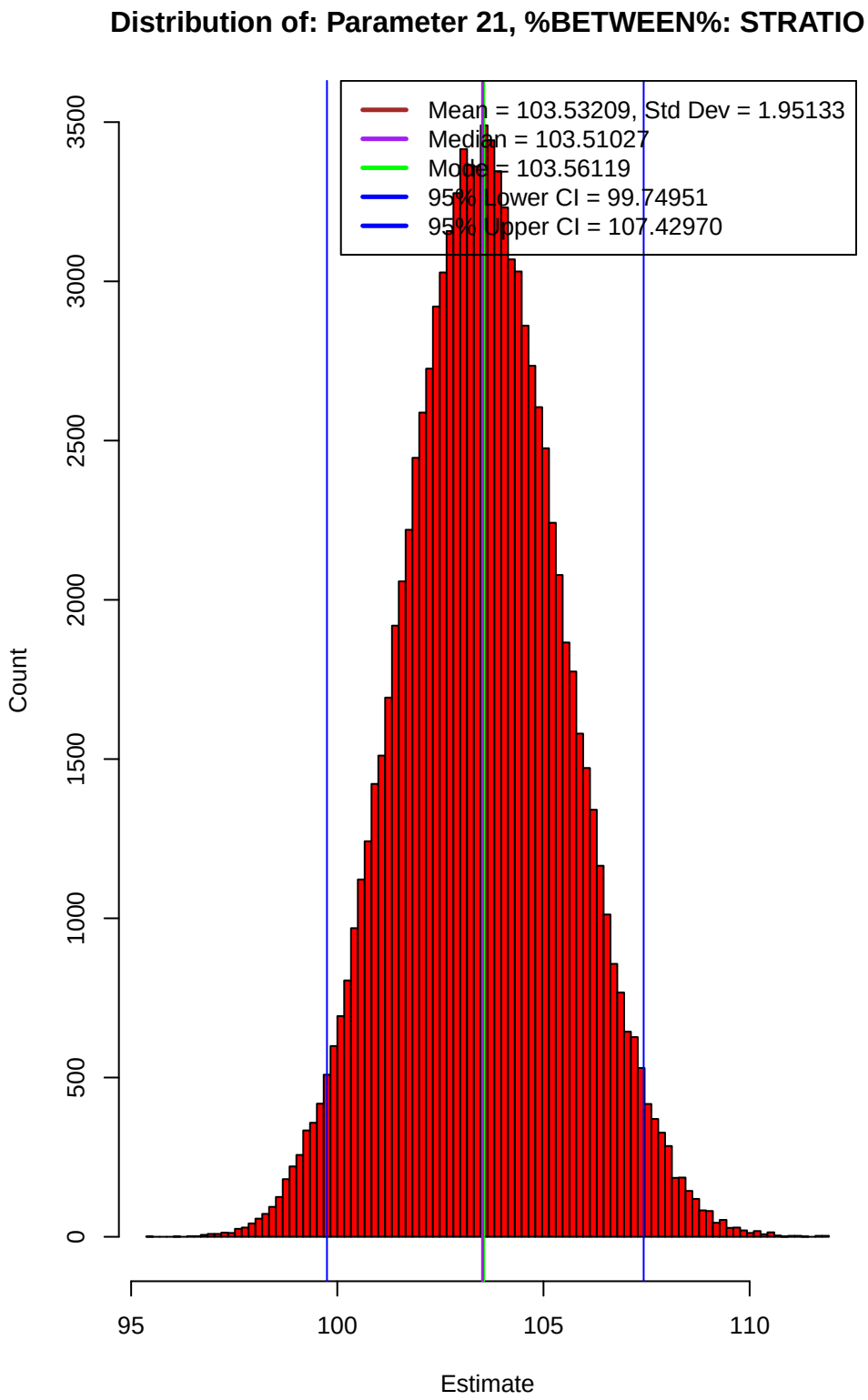


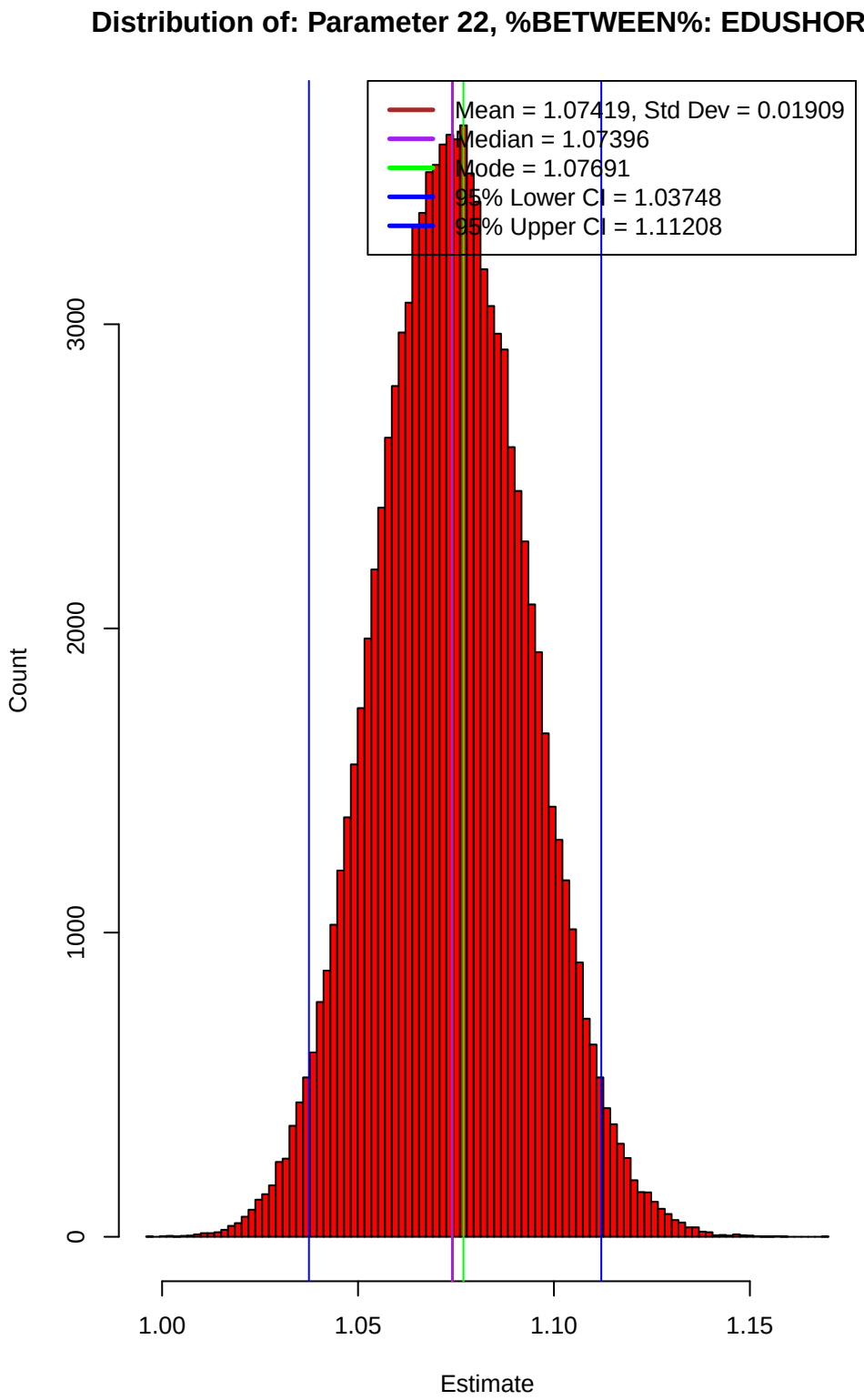

**Distribution of: Parameter 18, %WITHIN%: FLFAMIL**

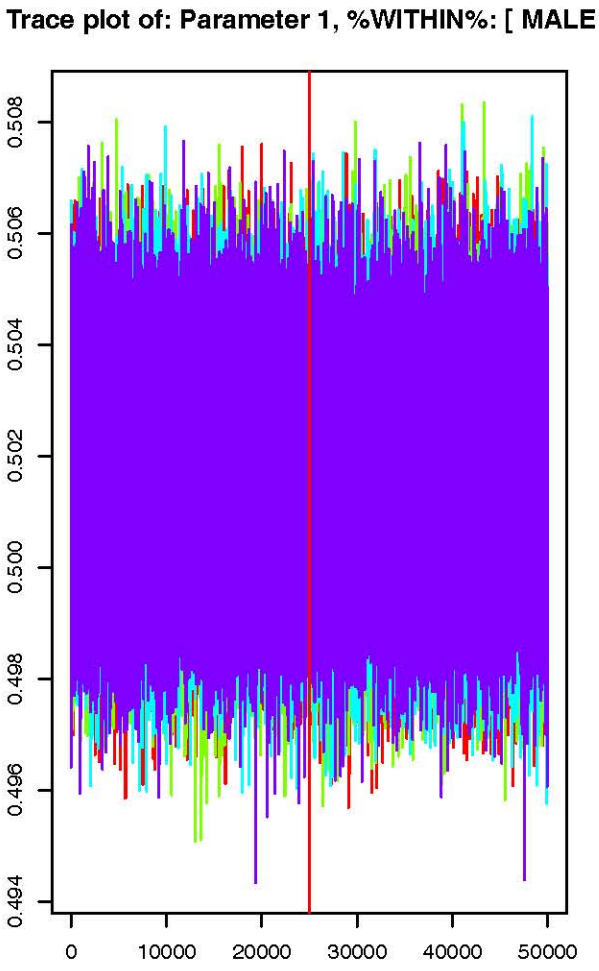


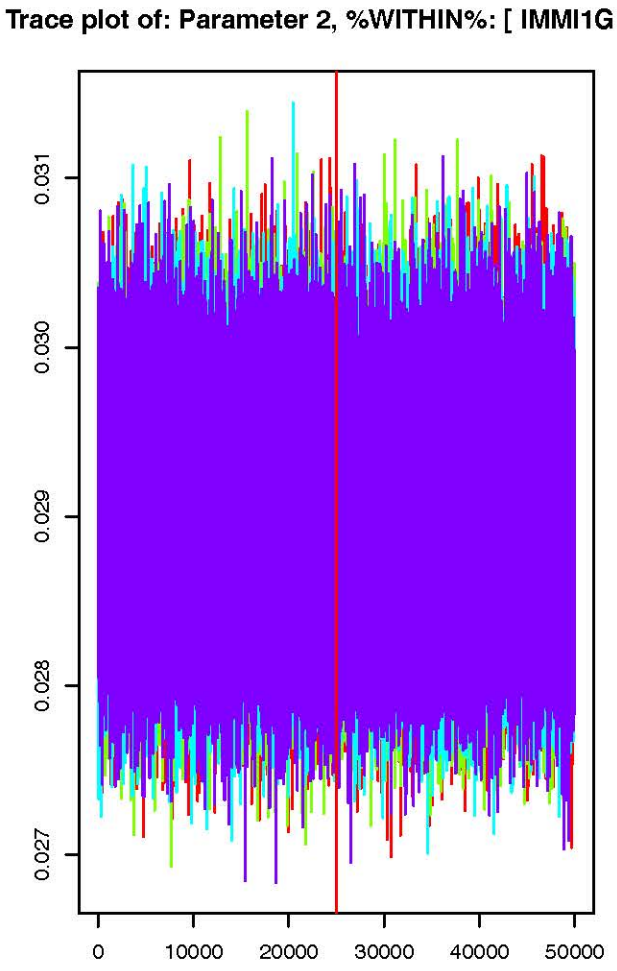

Distribution of: Parameter 19, %BETWEEN%: [ STRATIO ]
Mean = 13.87295, Std Dev = 0.13568
Median = 13.87320
Mode = 13.88011
95% Lower CI = 13.60668
95% Upper CI = 14.13876
Count
0
500
1000
1500
2000
2500
3000
3500
13.4
13.6
13.8
14.0
14.2
14.4
Estimate

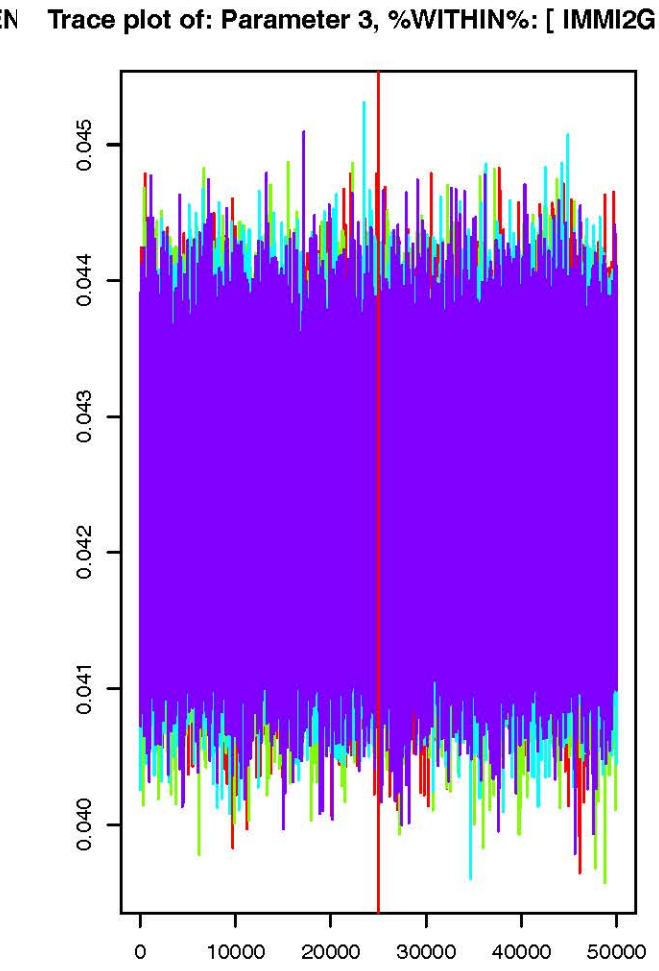

Distribution of: Parameter 20, %BETWEEN%: [ EDUSHORT ]
Mean = 0.13121, Std Dev = 0.01303
Median = 0.13117
Mode = 0.13414
95% Lower CI = 0.10562
95% Upper CI = 0.15679
Count
0
1000
2000
3000
0.08
0.10
0.12
0.14
0.16
0.18
Estimate

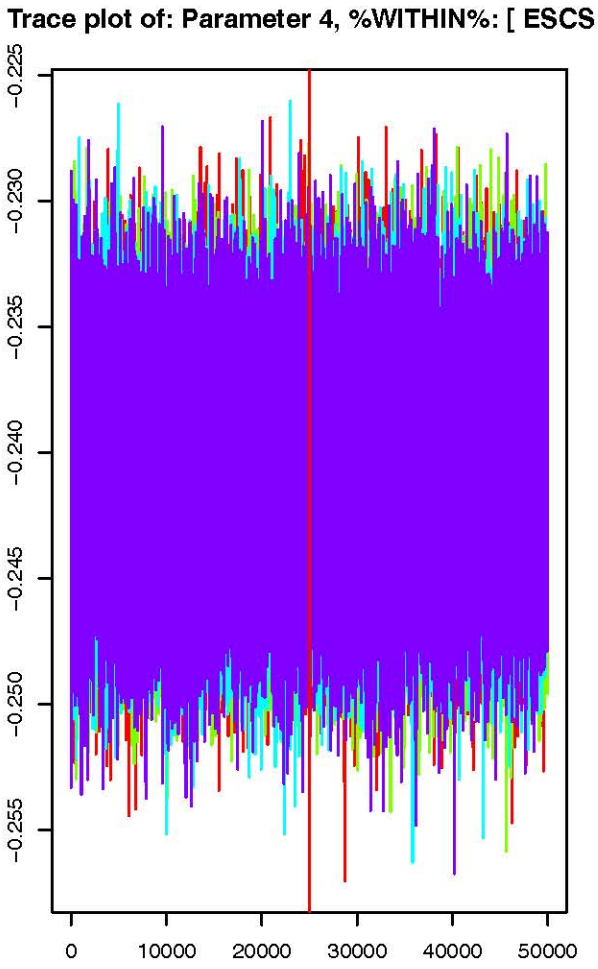

Distribution of: Parameter 21, %BETWEEN%: STRATIO
Mean = 103.53209, Std Dev = 1.95133
Median = 103.51027
Mode = 103.56119
95% Lower CI = 99.74951
95% Upper CI = 107.42970
Count
0
500
1000
1500
2000
2500
3000
3500
95
100
105
110
Estimate

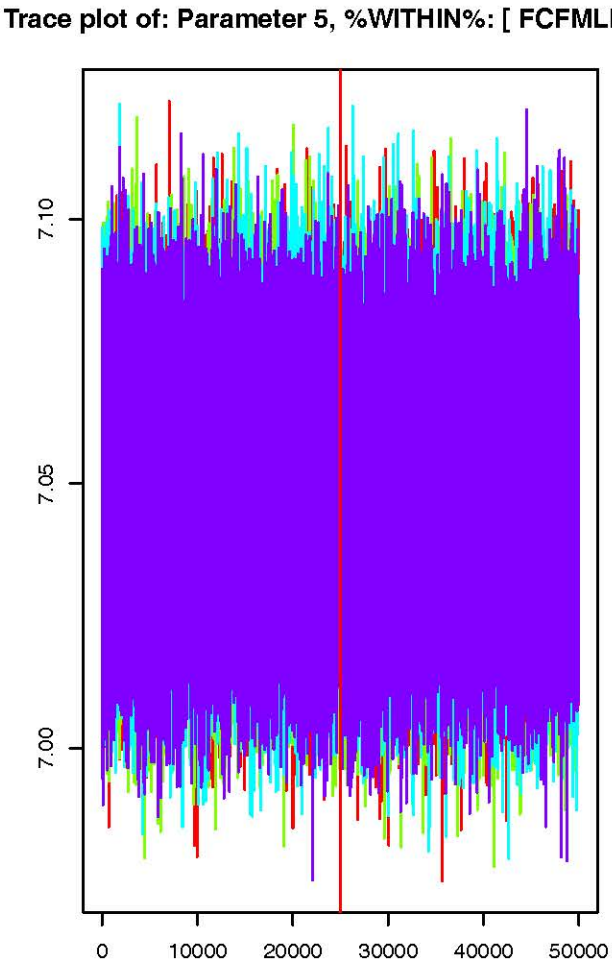

Distribution of: Parameter 22, %BETWEEN%: EDUSHORT
Mean = 1.07419, Std Dev = 0.01909
Median = 1.07396
Mode = 1.07691
95% Lower CI = 1.03748
95% Upper CI = 1.11208
Count
0
1000
2000
3000
1.00
1.05
1.10
1.15
Estimate

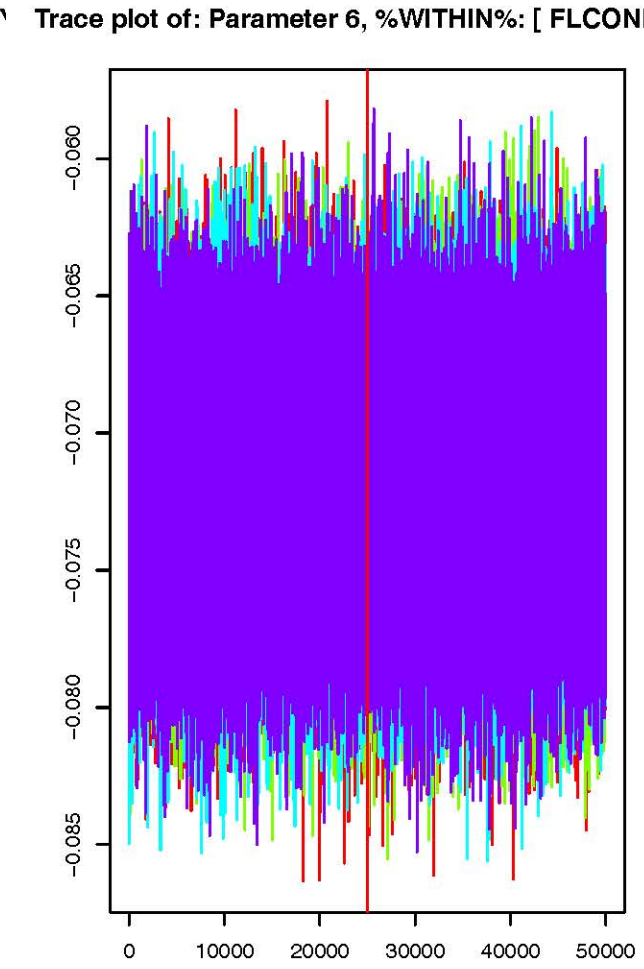

Trace plot of: Parameter 1, %WITHIN%: [ MALE ]
0.508
0.506
0.504
0.502
0.500
0.498
0.496
0.494
0
10000
20000
30000
40000
50000

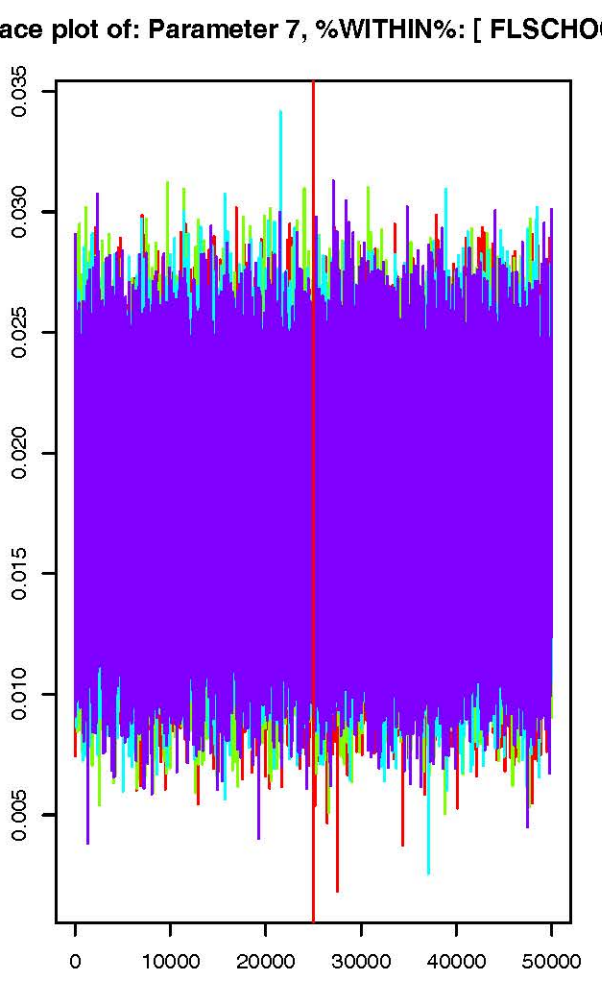

Trace plot of: Parameter 2, %WITHIN%: [ IMMI1GEN
0.031
0.030
0.029
0.028
0.027
0
10000
20000
30000
40000
50000

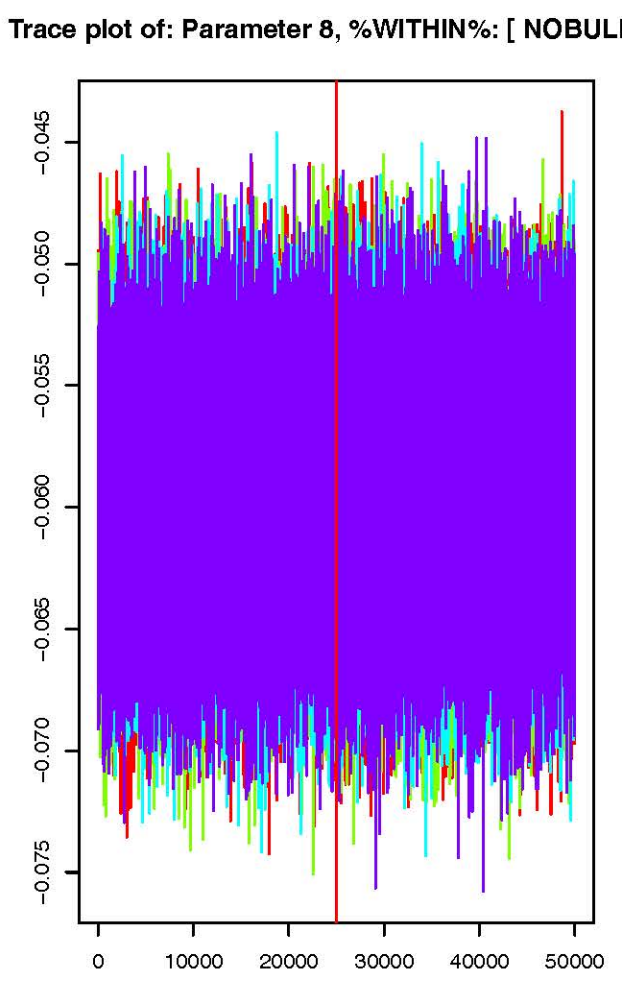

Trace plot of: Parameter 3, %WITHIN%: [ IMMI2GEN
0.045
0.044
0.043
0.042
0.041
0.040
0
10000
20000
30000
40000
50000

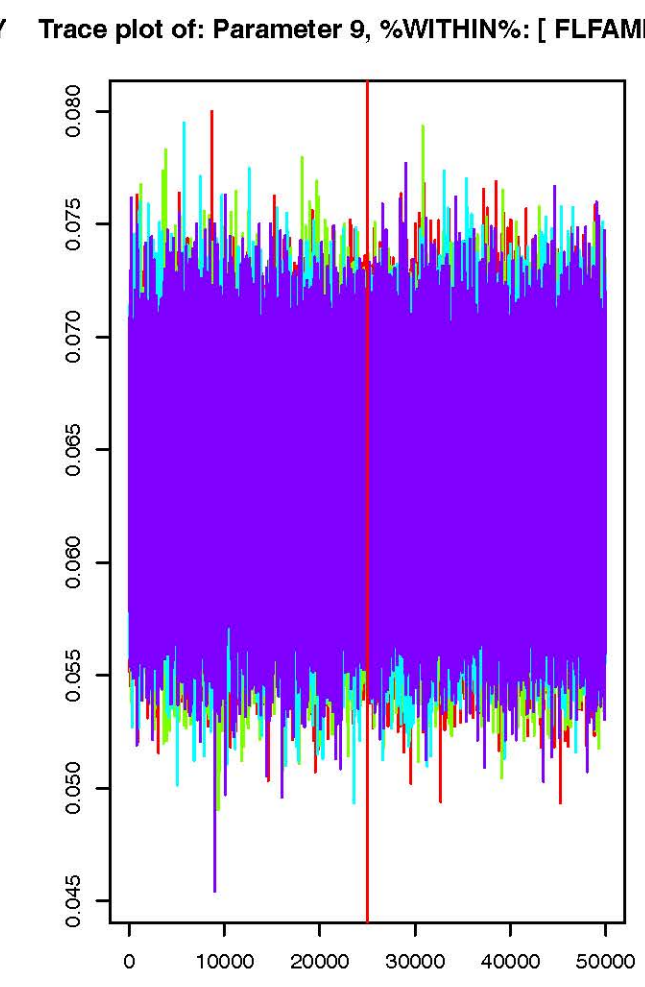

Trace plot of: Parameter 4, %WITHIN%: [ ESCS ]
−0.225
−0.230
−0.235
−0.240
−0.245
−0.250
−0.255
0
10000
20000
30000
40000
50000


Trace plot of: Parameter 5, %WITHIN%: [ FCFMLRT
7.10
7.05
7.00
0
10000
20000
30000
40000
50000

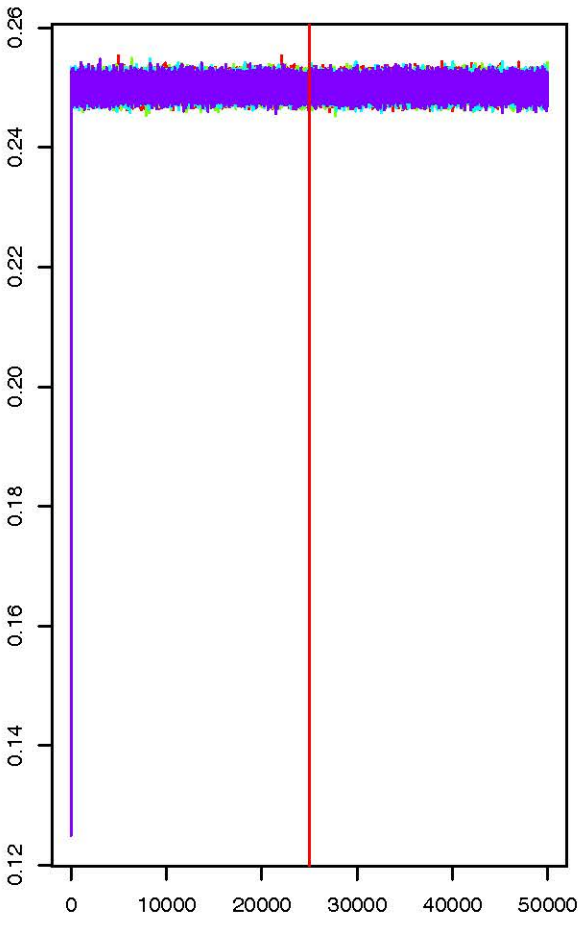

Trace plot of: Parameter 6, %WITHIN%: [ FLCONFIN
−0.060
−0.065
−0.070
−0.075
−0.080
−0.085
0
10000
20000
30000
40000
50000


Trace plot of: Parameter 7, %WITHIN%: [ FLSCHOO
0.035
0.030
0.025
0.020
0.015
0.010
0.005
0
10000
20000
30000
40000
50000

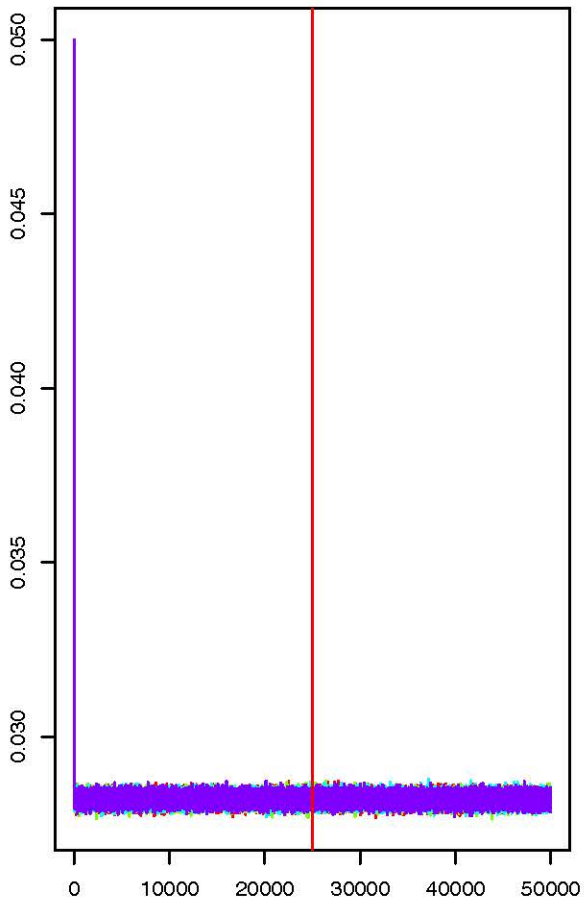

Trace plot of: Parameter 8, %WITHIN%: [ NOBULLY
−0.045
−0.050
−0.055
−0.060
−0.065
−0.070
−0.075
0
10000
20000
30000
40000
50000


Trace plot of: Parameter 9, %WITHIN%: [ FLFAMILY
0.080
0.075
0.070
0.065
0.060
0.055
0.050
0.045
0
10000
20000
30000
40000
50000

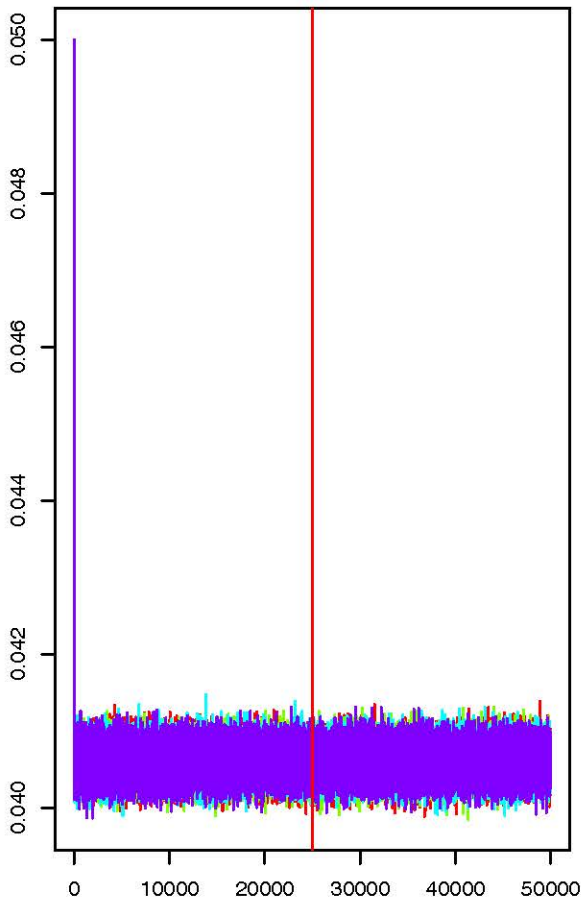
Trace plot of: Parameter 10, %WITHIN%: MALE



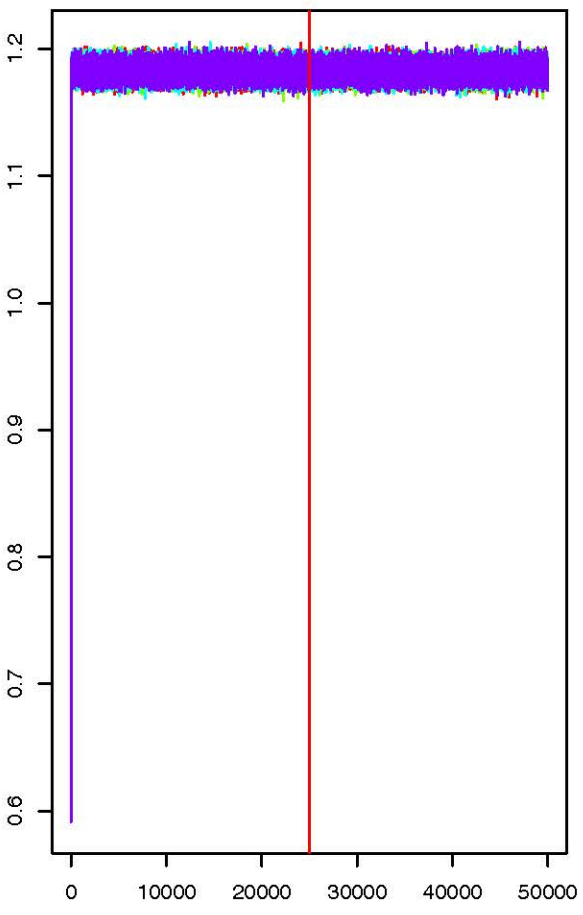

Trace plot of: Parameter 11, %WITHIN%: IMMI1GEI



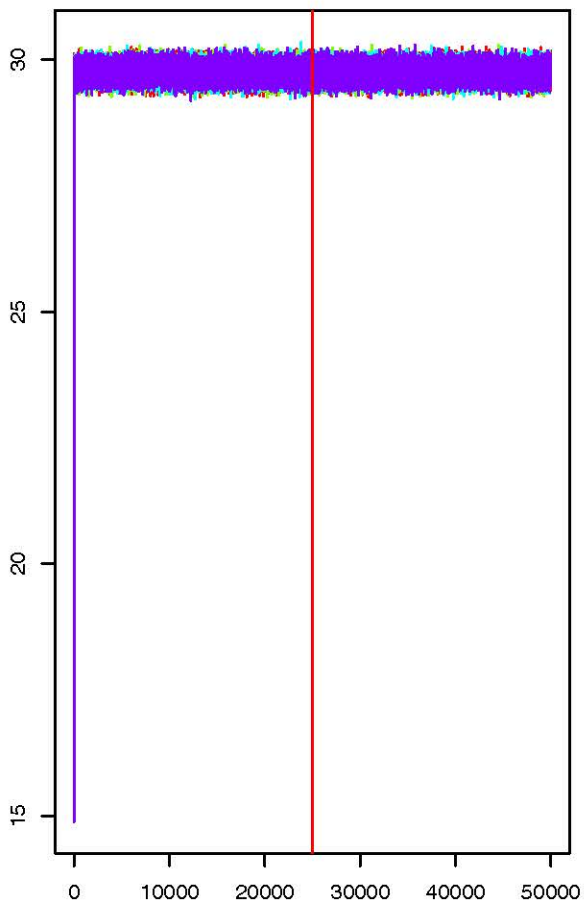

Trace plot of: Parameter 12, %WITHIN%: IMMI2GEI



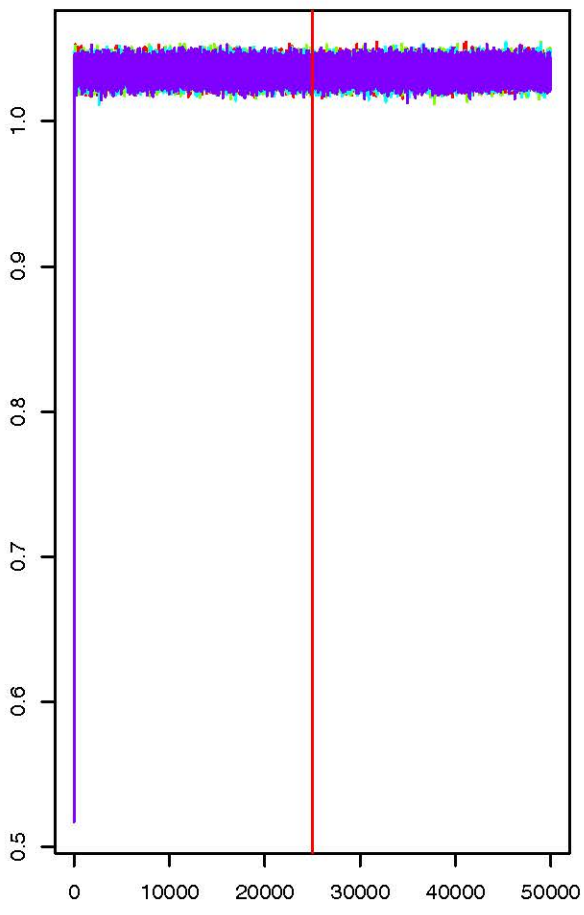

Trace plot of: Parameter 13, %WITHIN%: ESCS



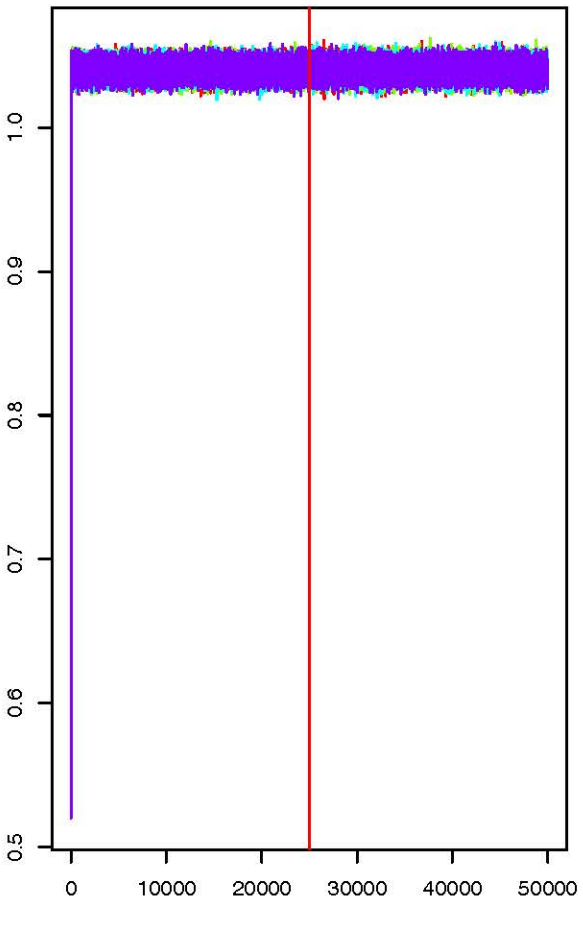

Trace plot of: Parameter 14, %WITHIN%: FCFMLRT



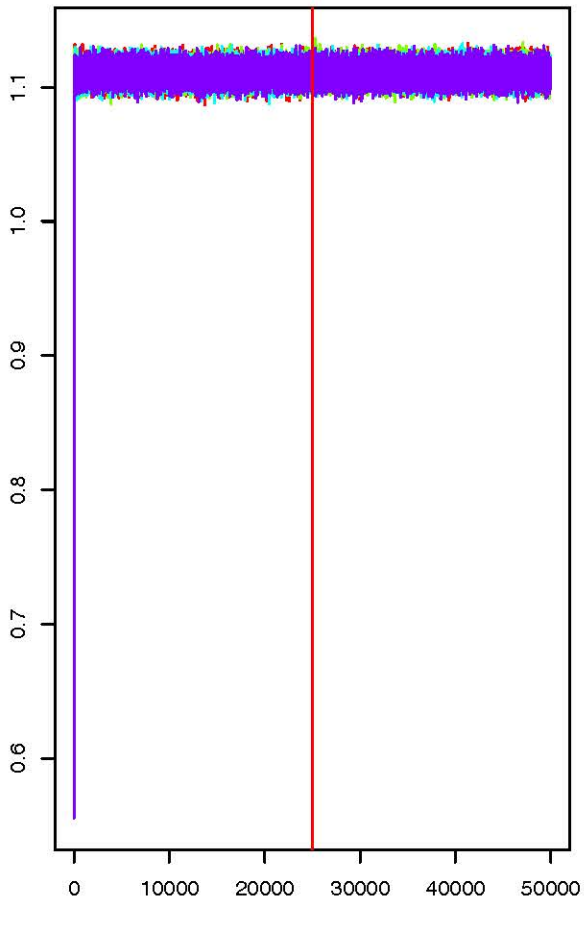

Trace plot of: Parameter 15, %WITHIN%: FLCONFI



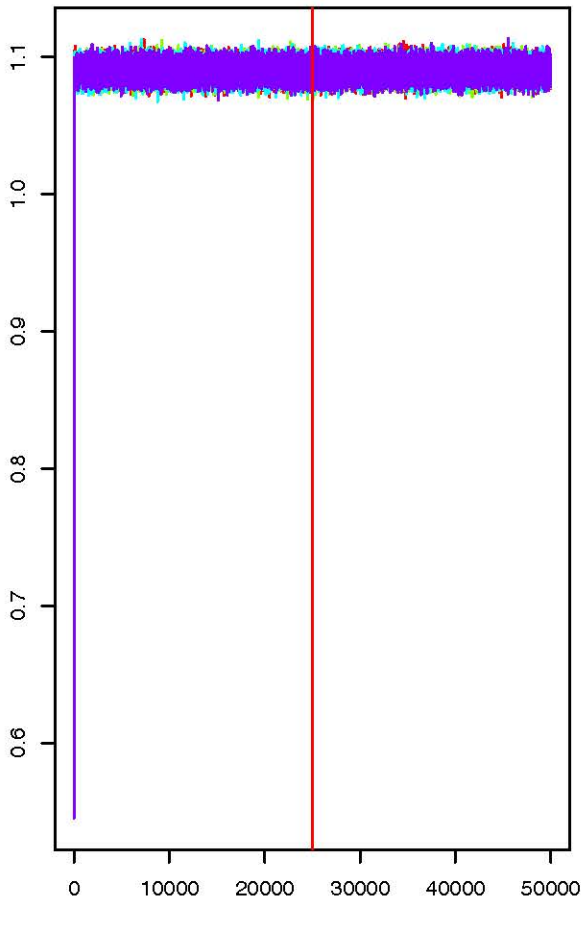

Trace plot of: Parameter 16, %WITHIN%: FLSCHOO

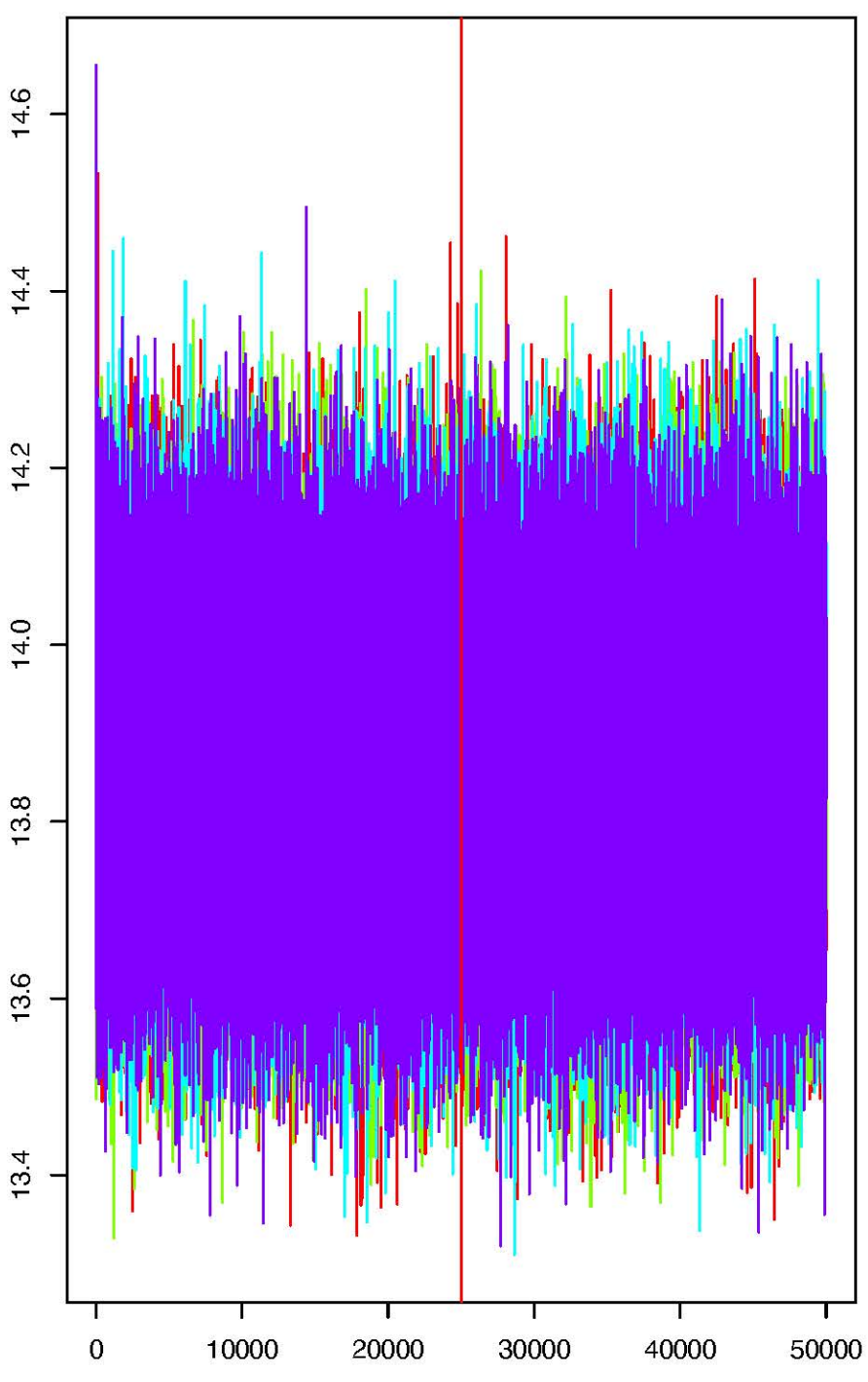


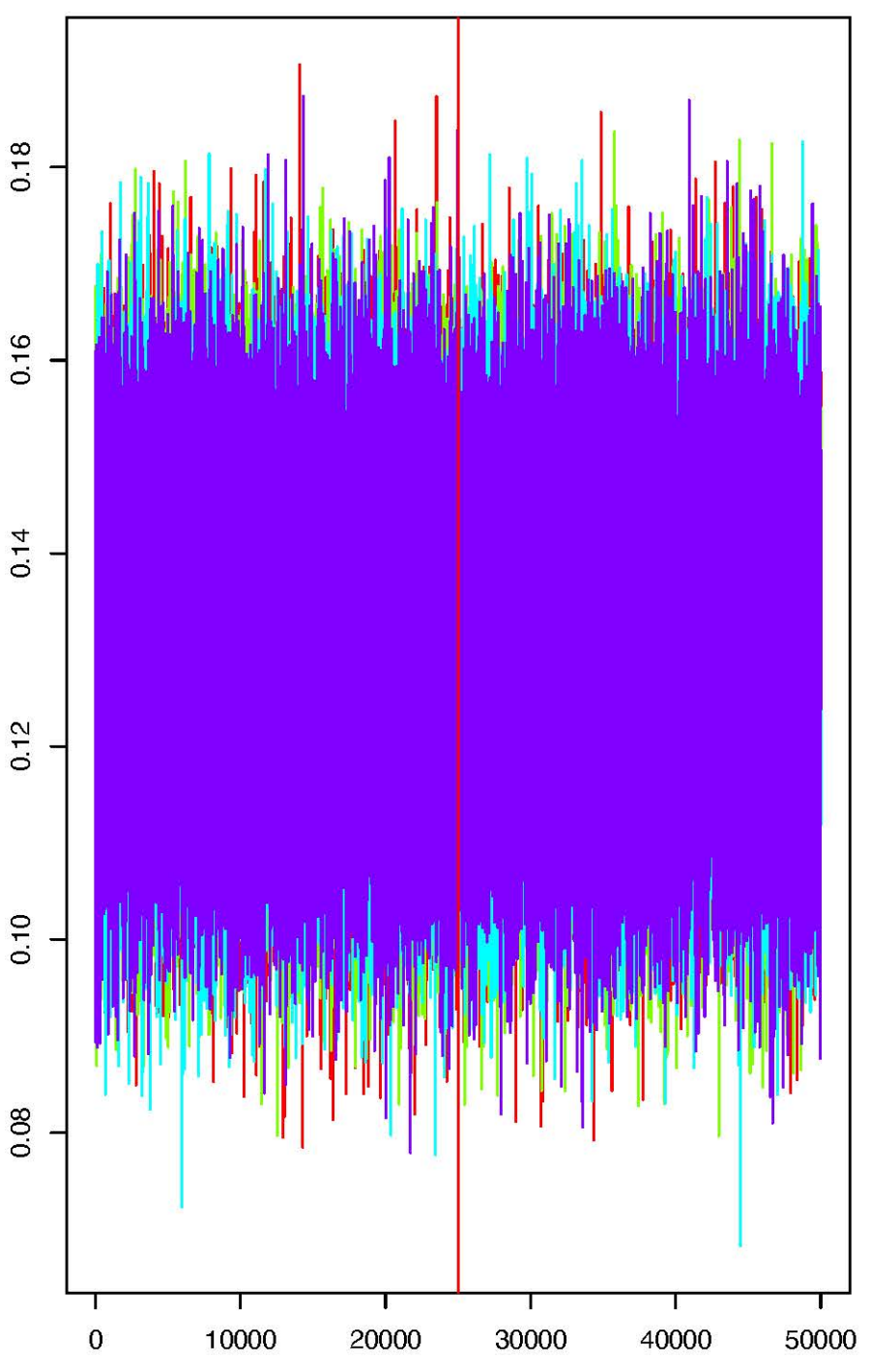

Trace plot of: Parameter 17, %WITHIN%: NOBULL\

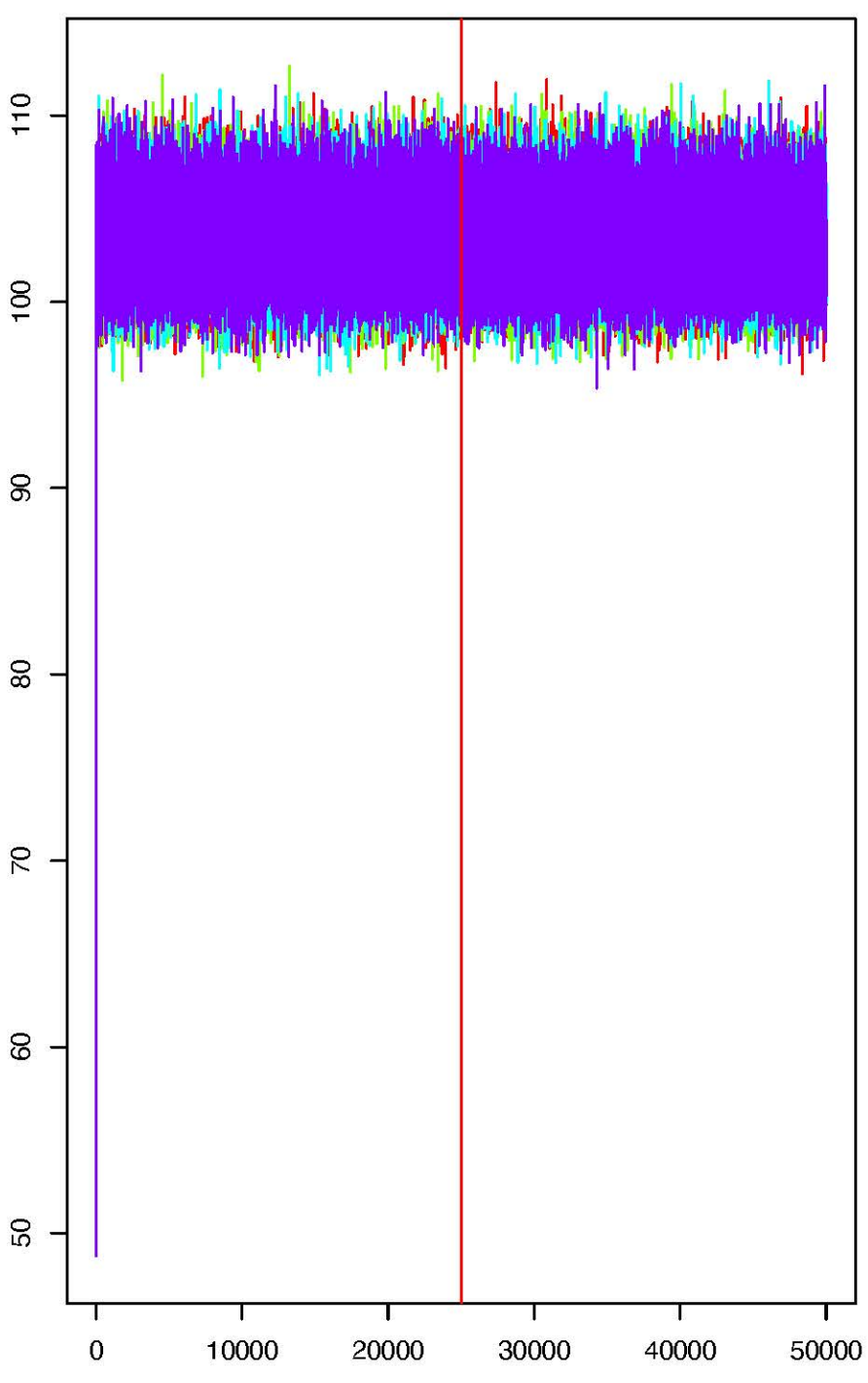


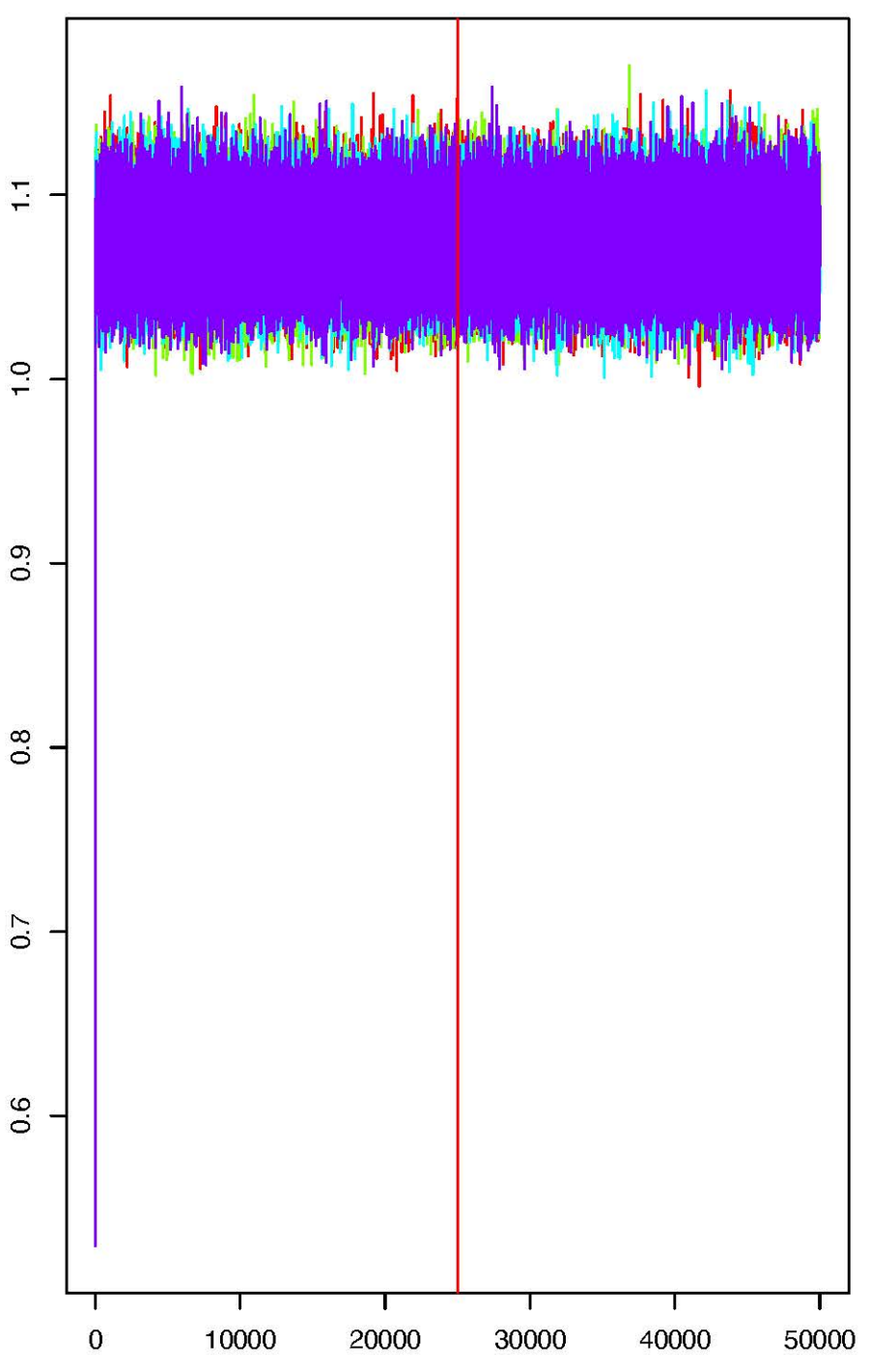

Trace plot of: Parameter 18, %WITHIN%: FLFAMIL

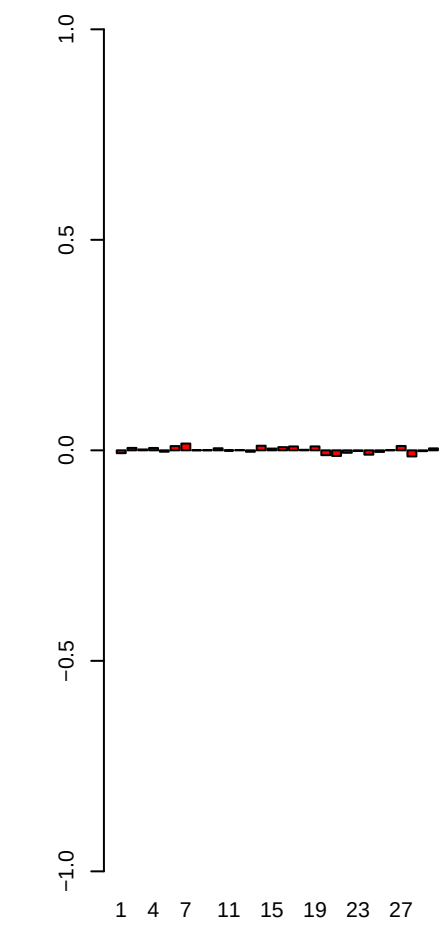



Trace plot of: Parameter 19, %BETWEEN%: [ STRATIO ]
14.6
14.4
14.2
14.0
13.8
13.6
13.4
0
10000
20000
30000
40000
50000


Trace plot of: Parameter 20, %BETWEEN%: [ EDUSHORT ]
0.18
0.16
0.14
0.12
0.10
0.08
0
10000
20000
30000
40000
50000


Trace plot of: Parameter 21, %BETWEEN%: STRATIO
110
100
90
80
70
60
50
0
10000
20000
30000
40000
50000


Trace plot of: Parameter 22, %BETWEEN%: EDUSHORT
1.1
1.0
0.9
0.8
0.7
0.6
0
10000
20000
30000
40000
50000


1 ): Parameter 1, %WITHIN%: [ MALE ]
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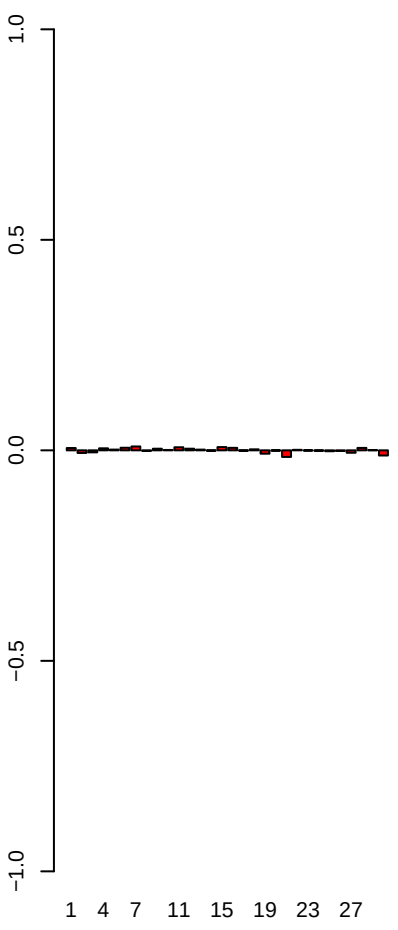
−1.0
1 4 7 11 15 19 23 27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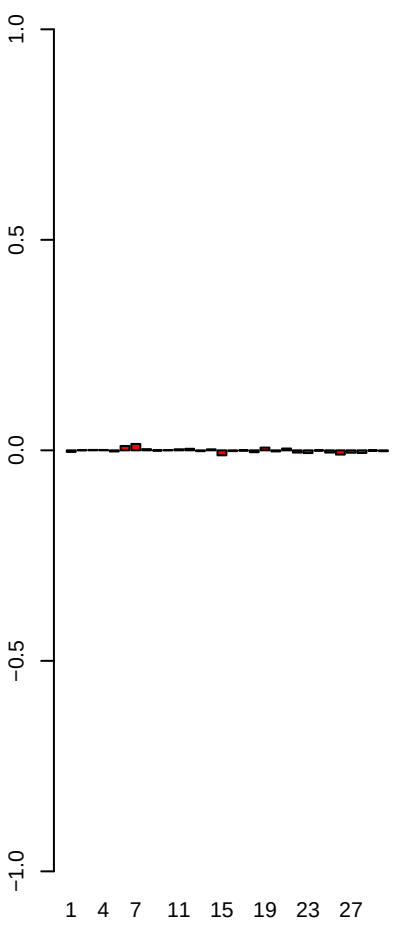
1 4 7 11 15 19 23 27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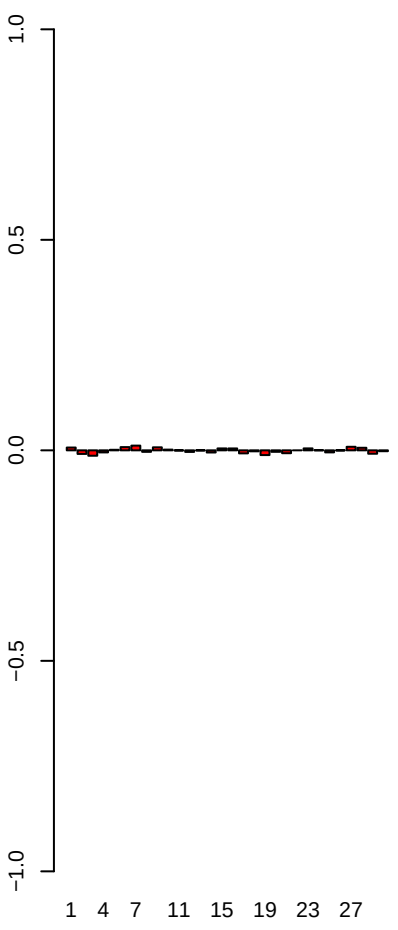
1 4 7 11 15 19 23 27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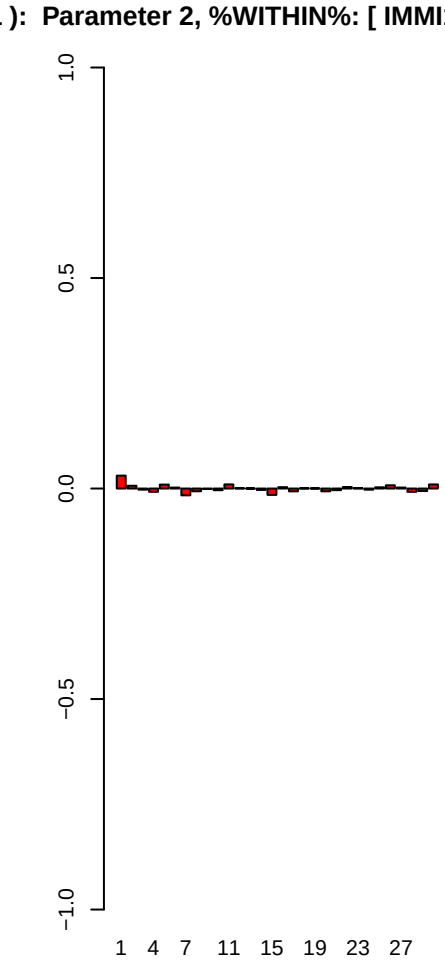
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−1.0
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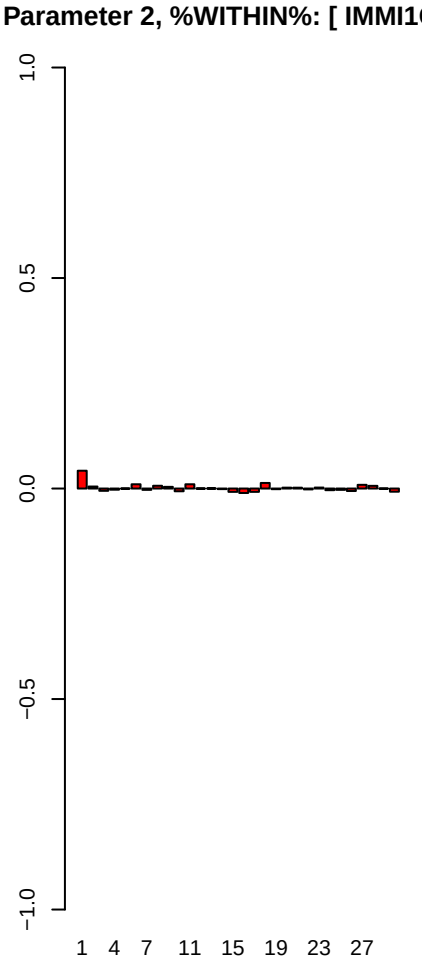
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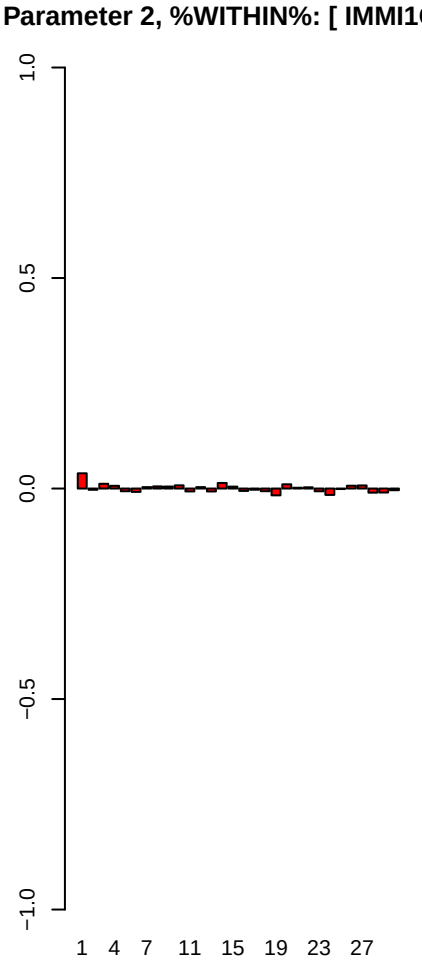
0.0
−0.5
−1.0
1 4 7 11 15 19 23 27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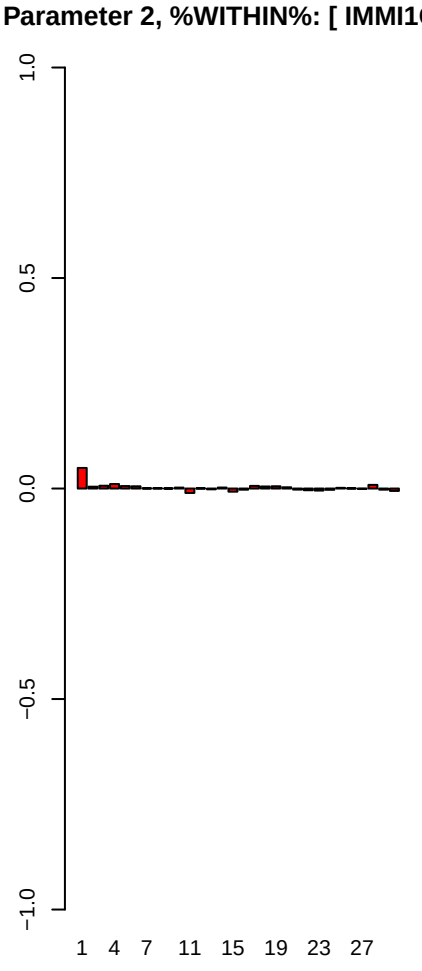
1 4 7 11 15 19 23 27


4 ): Parameter 2, %WITHIN%: [ IMMI1GEN
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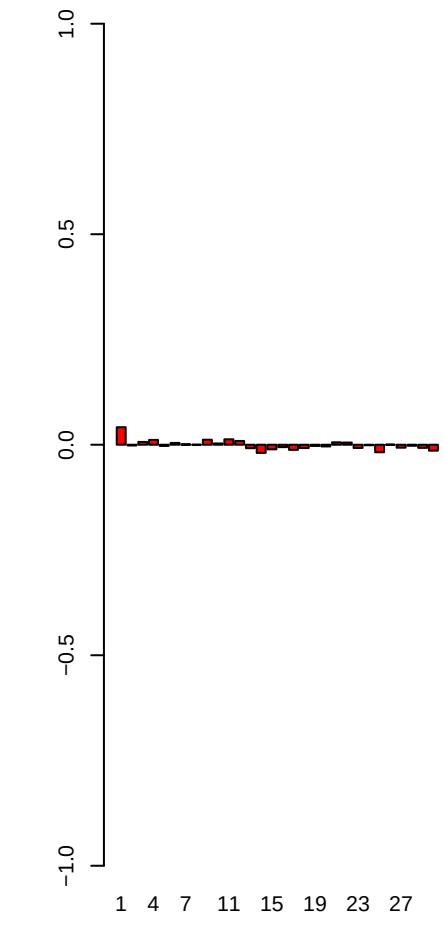
−0.5
−1.0
1 4 7 11 15 19 23 27


1 ): Parameter 3, %WITHIN%: [ IMMI2GEN
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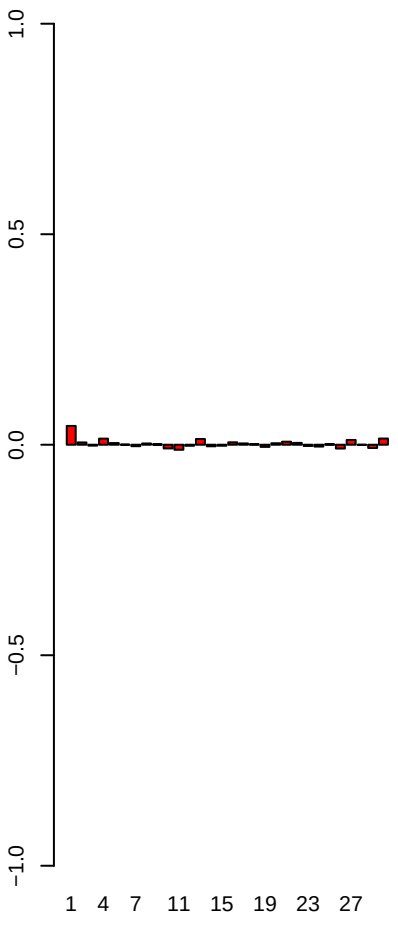
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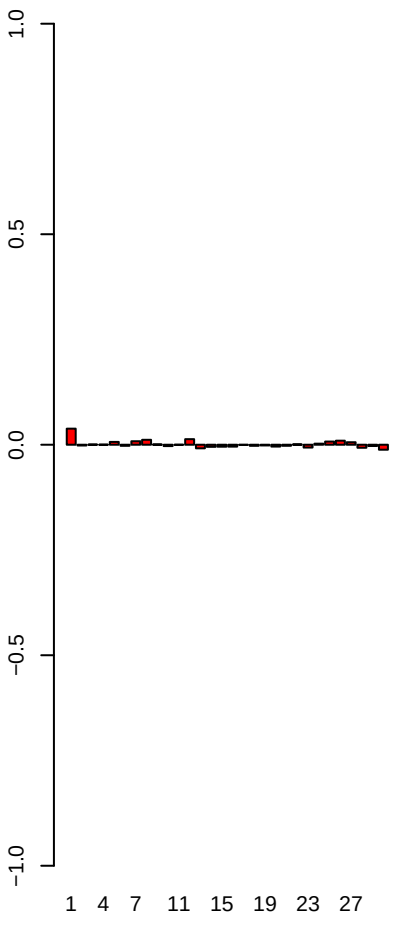
3 ): Parameter 3, %WITHIN%: [ IMMI2GEN
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−0.5
−1.0
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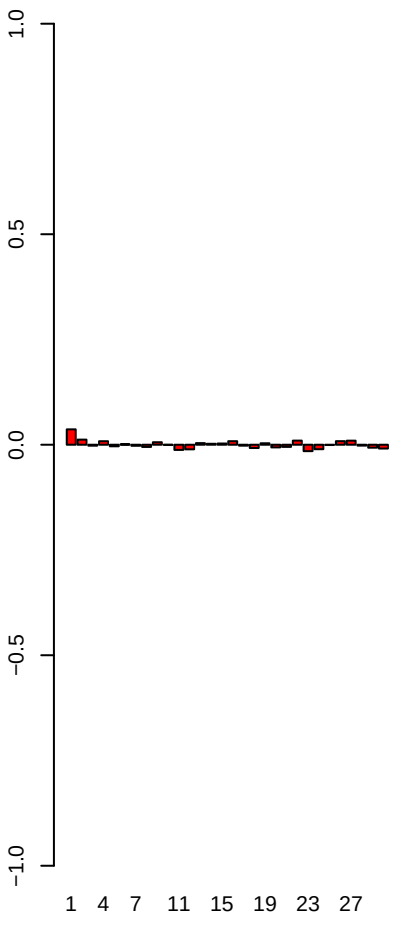
4 ): Parameter 3, %WITHIN%: [ IMMI2GEN
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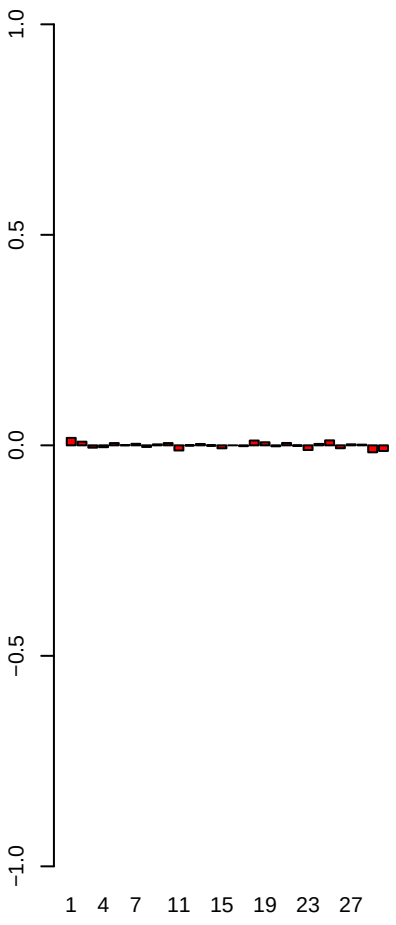
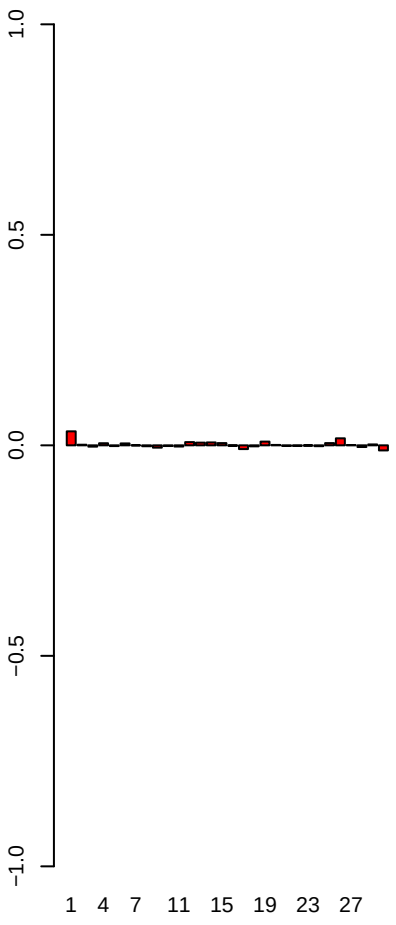
0.5
0.0
−0.5
−1.0
1 4 7 11 15 19 23 27

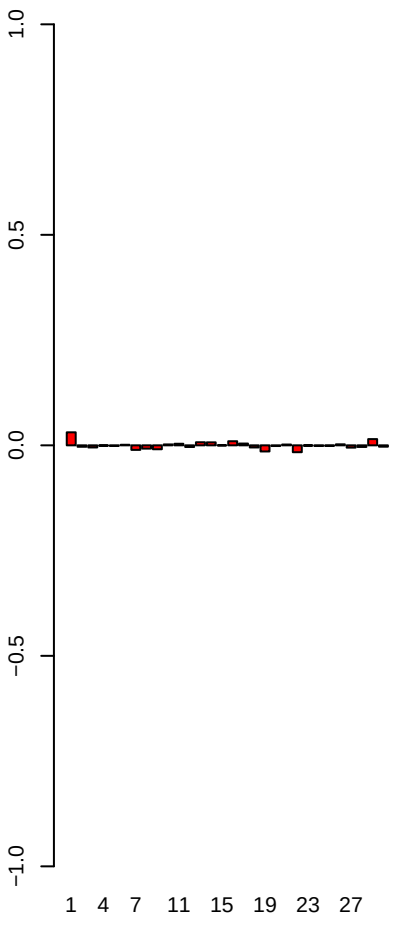
1 ): Parameter 4, %WITHIN%: [ ESCS ]



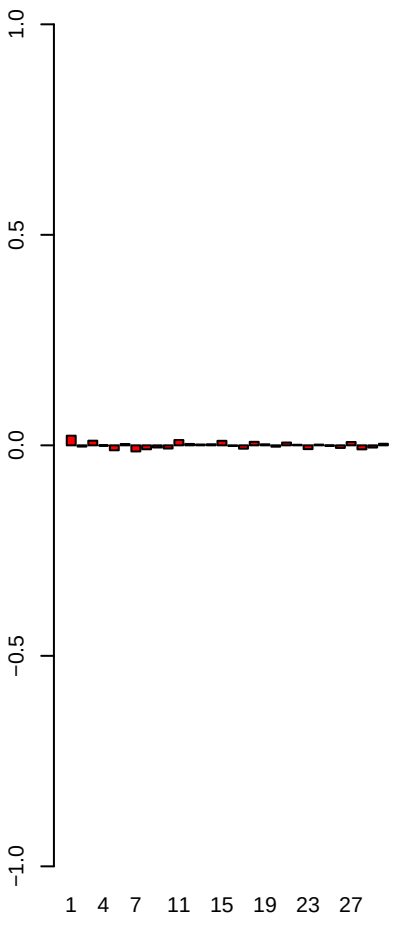

2 ): Parameter 4, %WITHIN%: [ ESCS ]



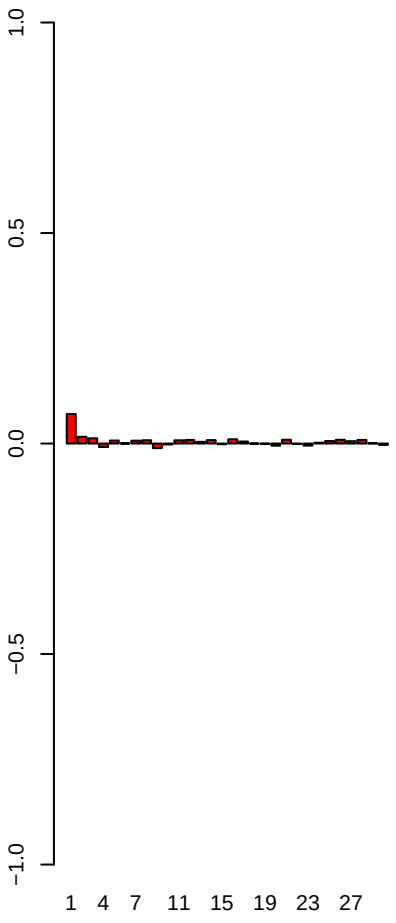

3 ): Parameter 4, %WITHIN%: [ ESCS ]



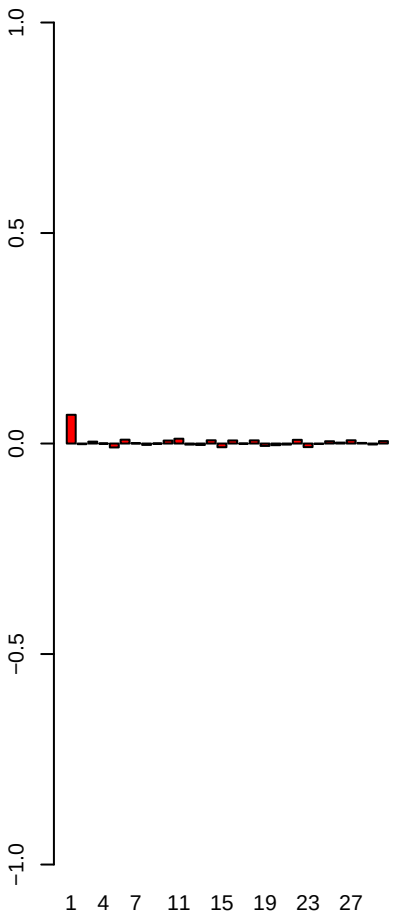

4 ): Parameter 4, %WITHIN%: [ ESCS ]



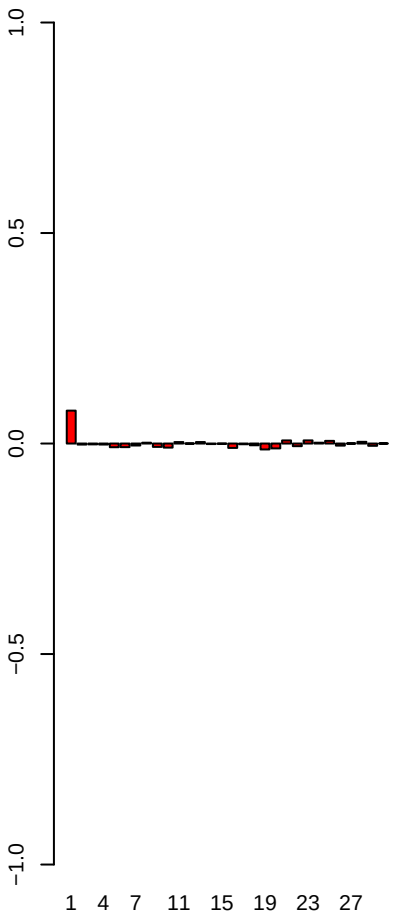

): Parameter 5, %WITHIN%: [ FCFMLRT ]



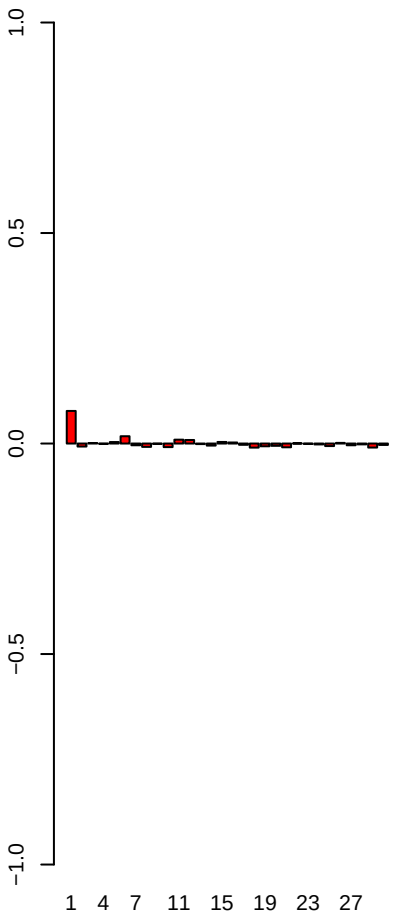

): Parameter 5, %WITHIN%: [ FCFMLRT ]



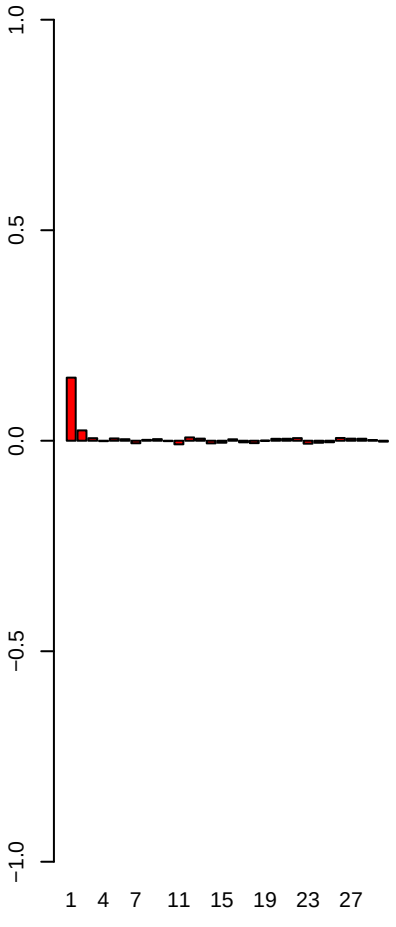

): Parameter 5, %WITHIN%: [ FCFMLRT ]



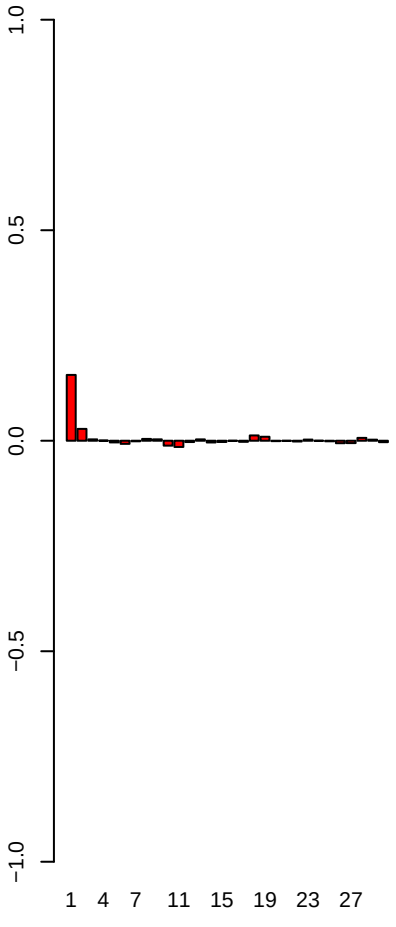

): Parameter 5, %WITHIN%: [ FCFMLRT



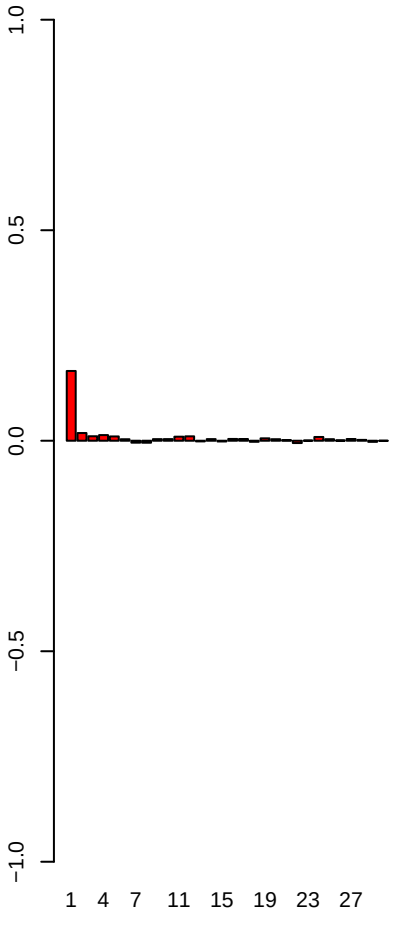

): Parameter 6, %WITHIN%: [ FLCONFII ]



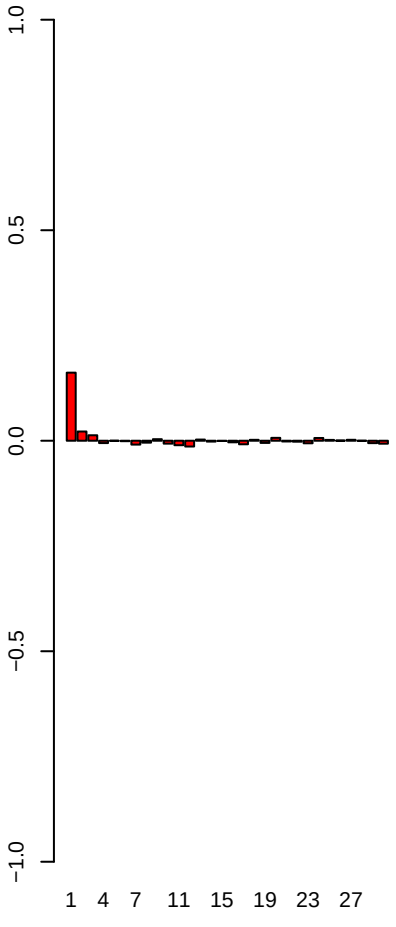

): Parameter 6, %WITHIN%: [ FLCONFII ]

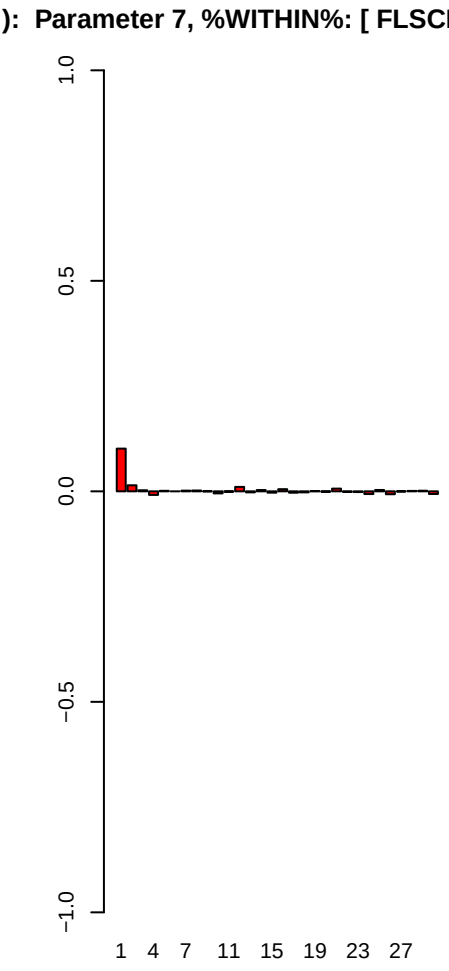


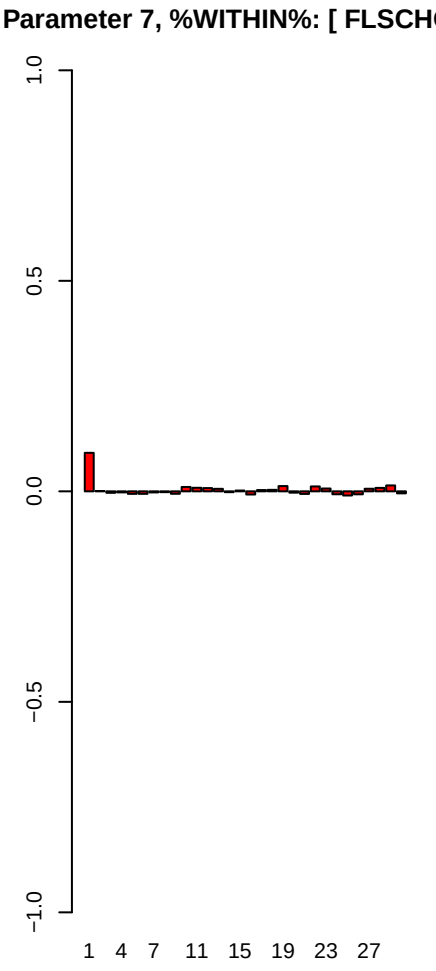

): Parameter 6, %WITHIN%: [ FLCONFII ]




): Parameter 6, %WITHIN%: [ FLCONFII




): Parameter 7, %WITHIN%: [ FLSCHOO)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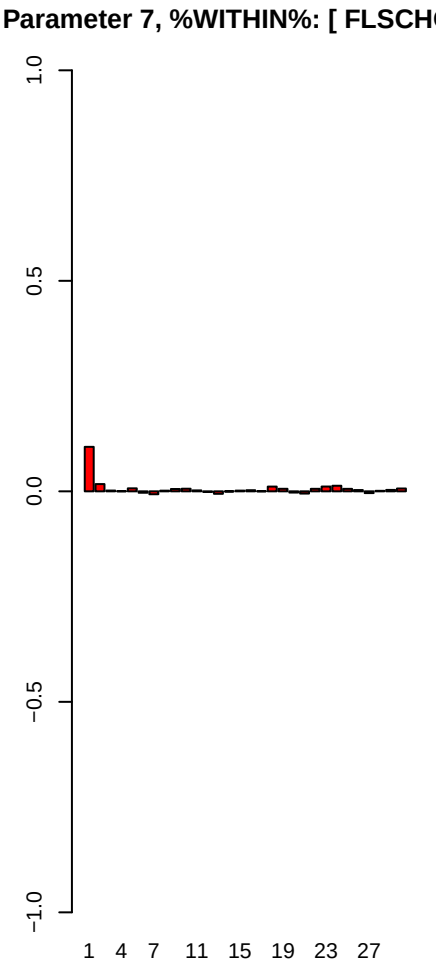
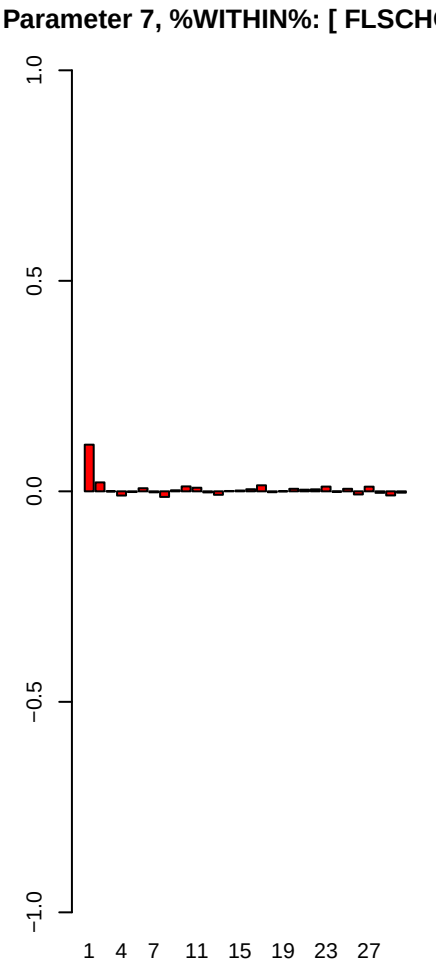
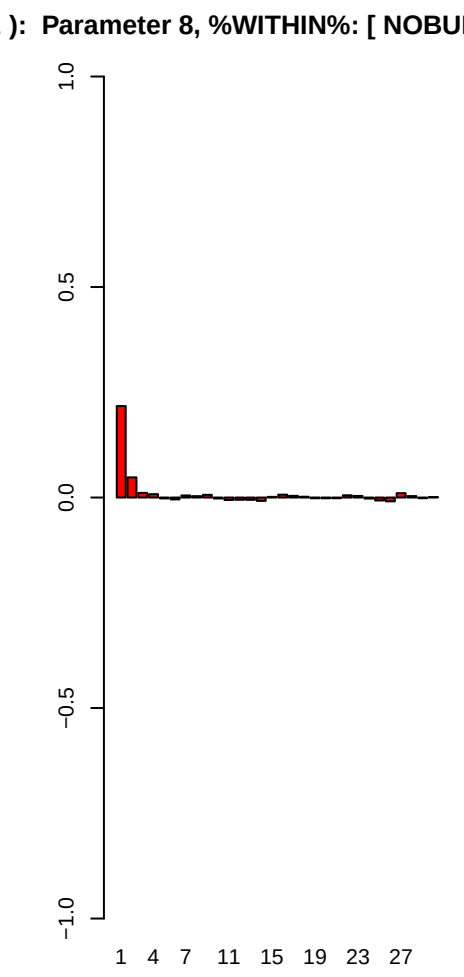
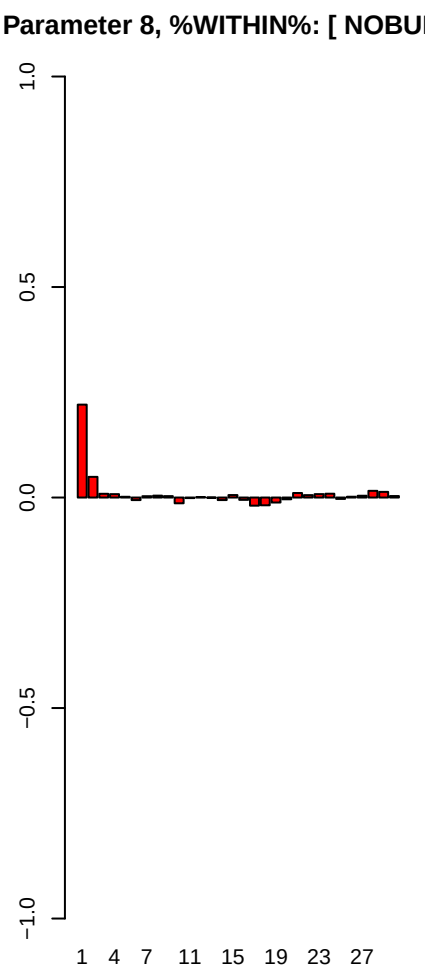
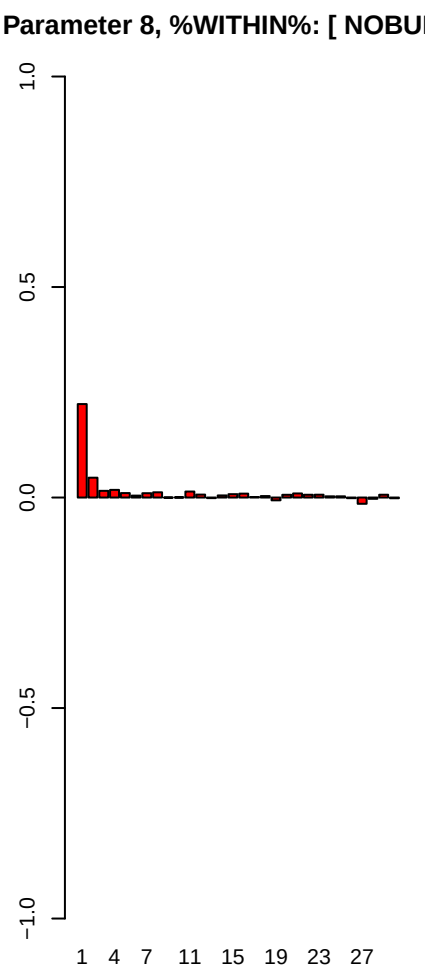

): Parameter 7, %WITHIN%: [ FLSCHOO)


): Parameter 7, %WITHIN%: [ FLSCHOO


): Parameter 8, %WITHIN%: [ NOBULLY )


): Parameter 8, %WITHIN%: [ NOBULLY )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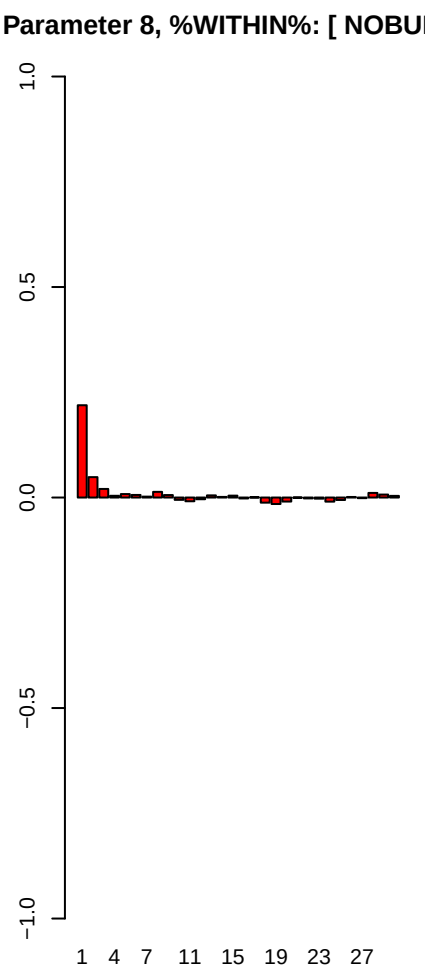
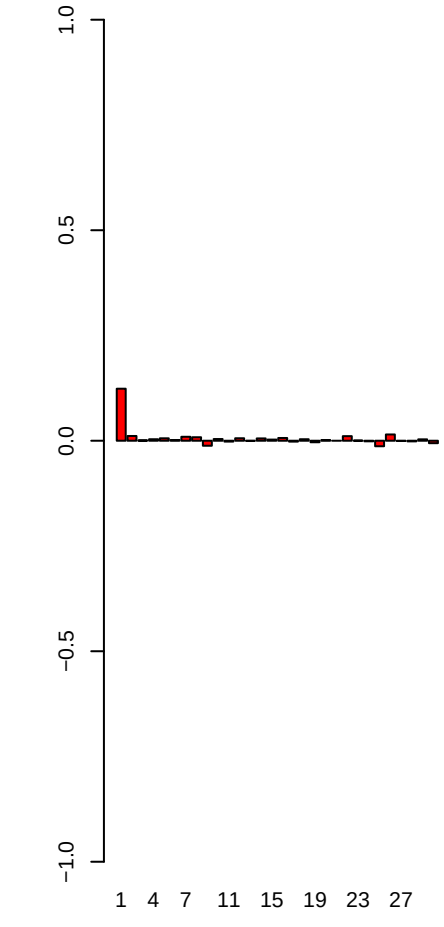
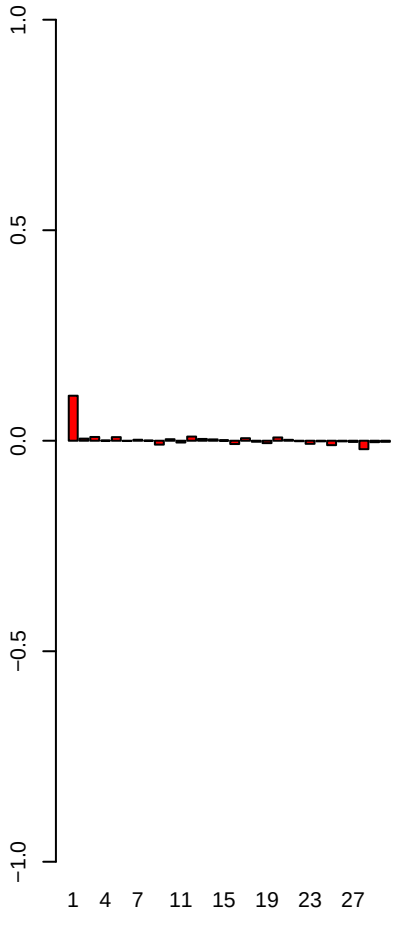
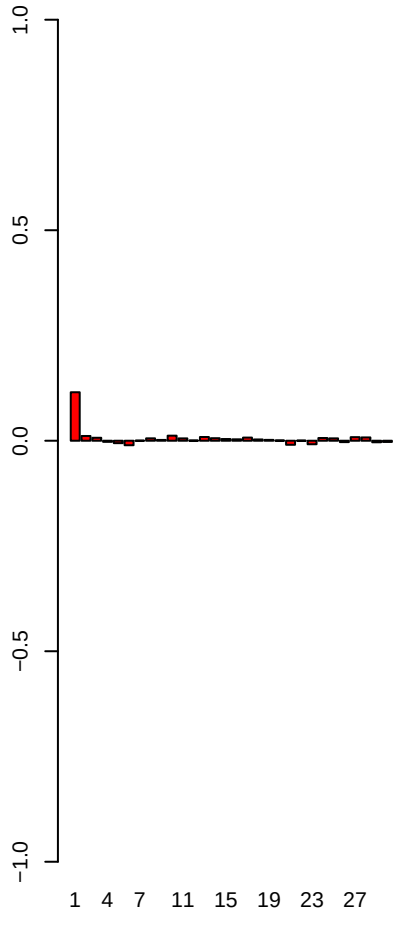
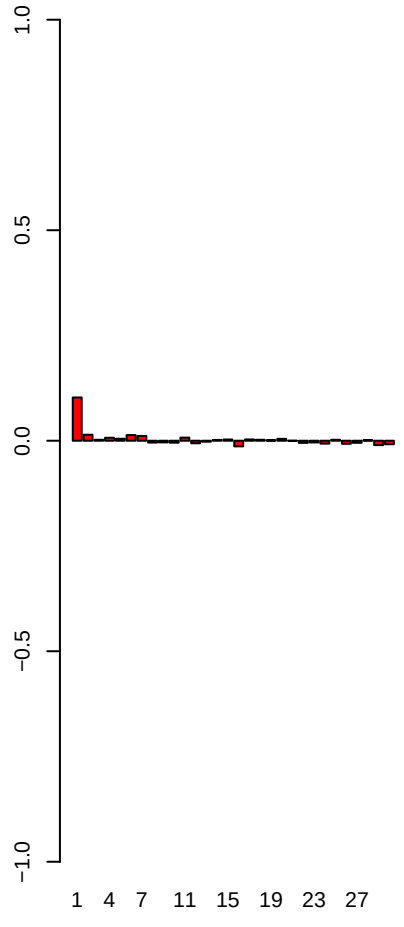

): Parameter 8, %WITHIN%: [ NOBULLY

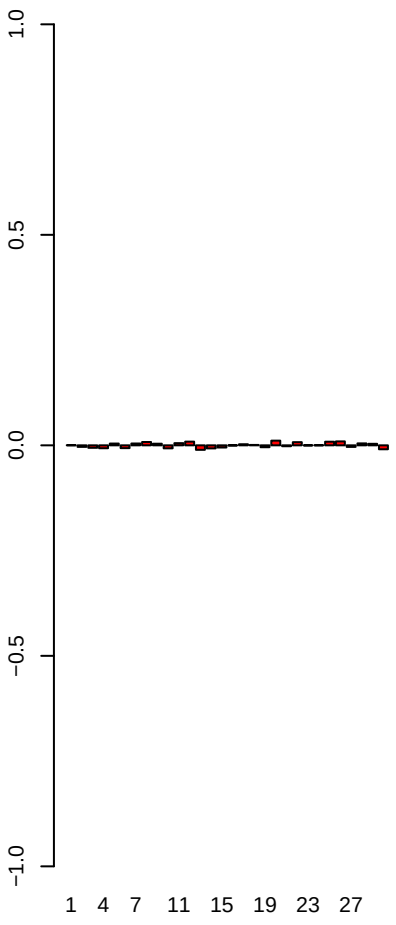

1 ): Parameter 9, %WITHIN%: [ FLFAMILY )


): Parameter 9, %WITHIN%: [ FLFAMILY )

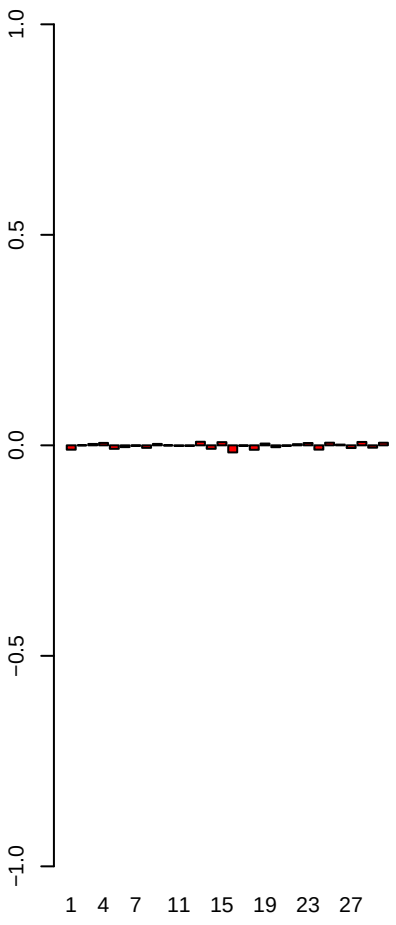

): Parameter 9, %WITHIN%: [ FLFAMILY )


): Parameter 9, %WITHIN%: [ FLFAMILY

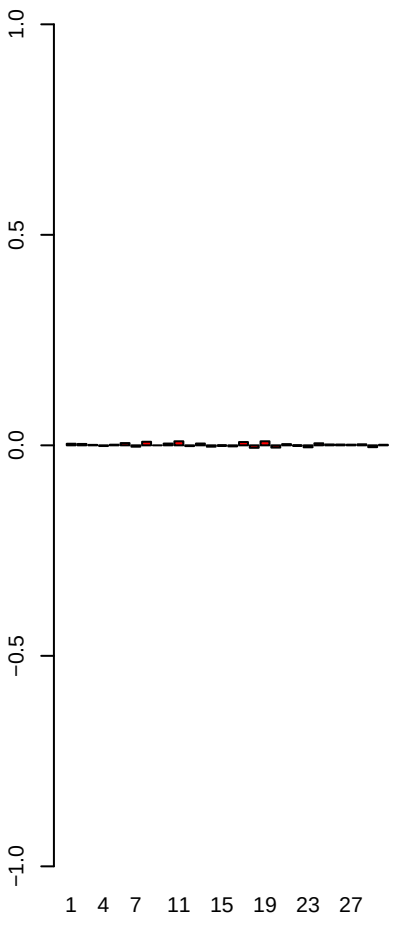
1 ): Parameter 10, %WITHIN%: MALE



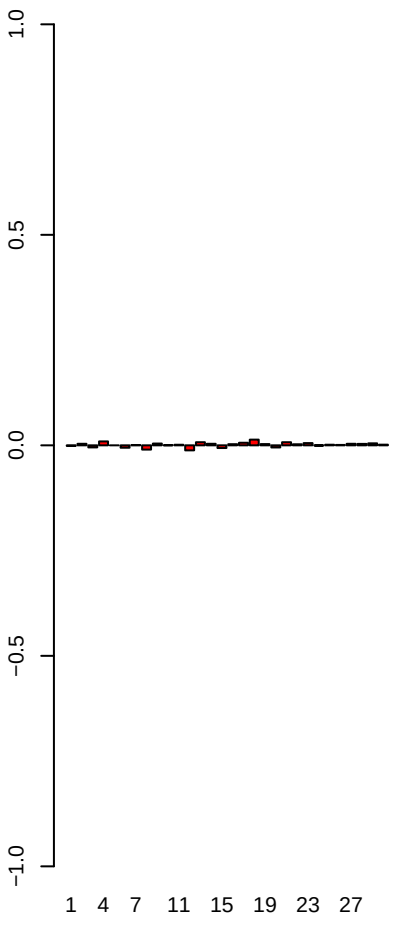

2 ): Parameter 10, %WITHIN%: MALE



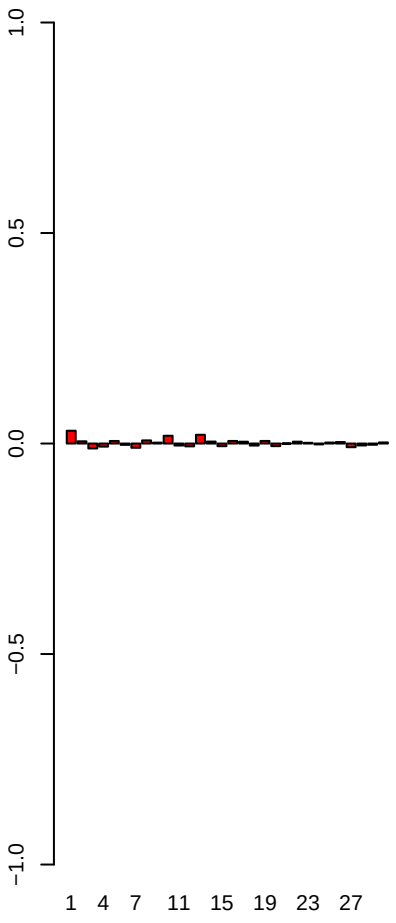

3 ): Parameter 10, %WITHIN%: MALE



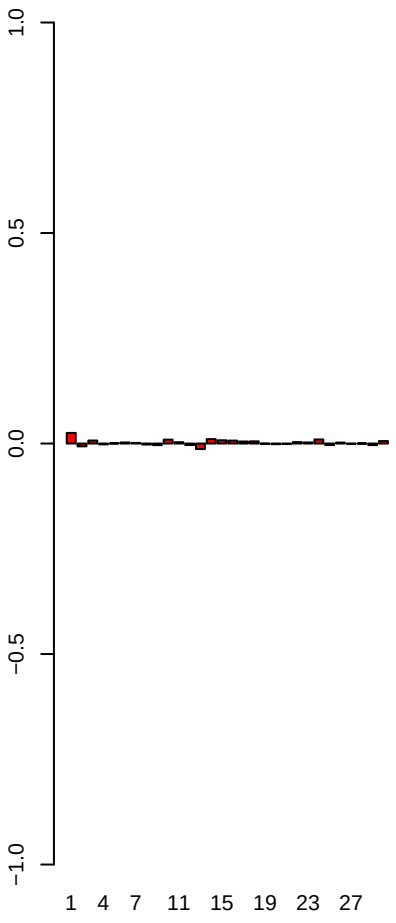

4 ): Parameter 10, %WITHIN%: MALE



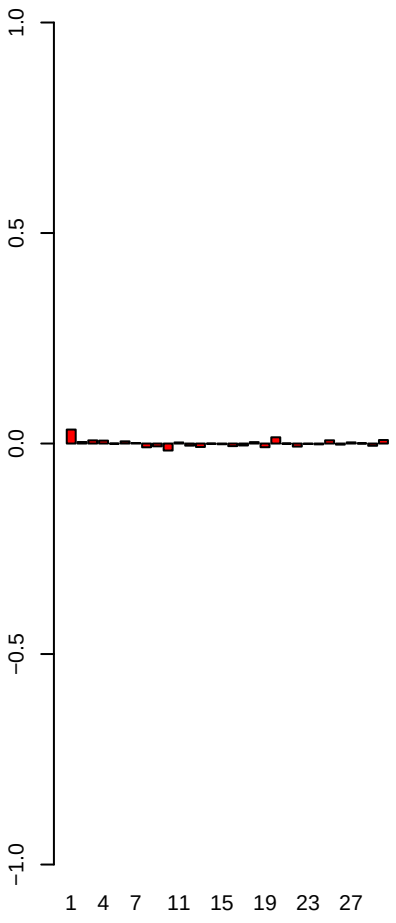

): Parameter 11, %WITHIN%: IMMI1GEN



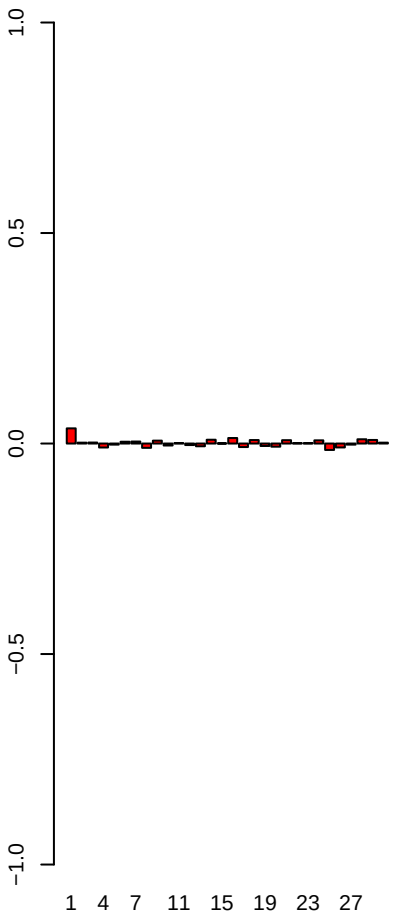

): Parameter 11, %WITHIN%: IMMI1GEN



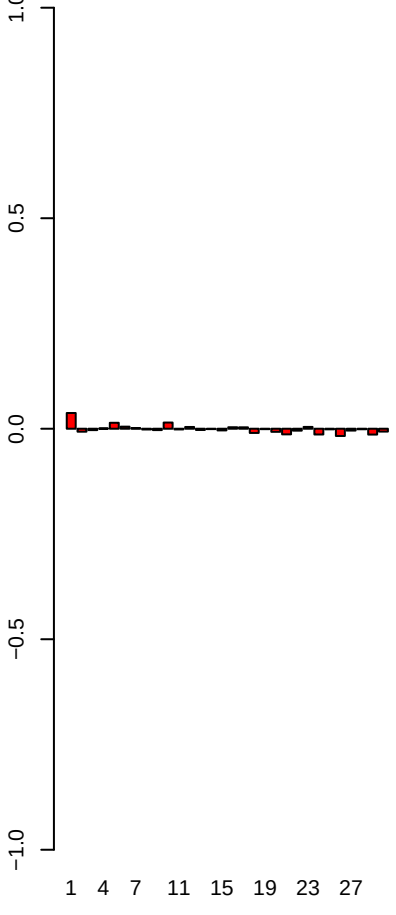

): Parameter 11, %WITHIN%: IMMI1GEN



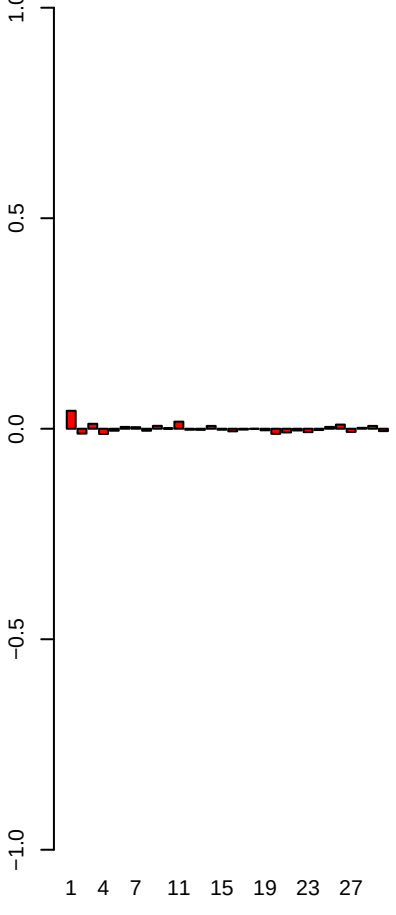

): Parameter 11, %WITHIN%: IMMI1GEN



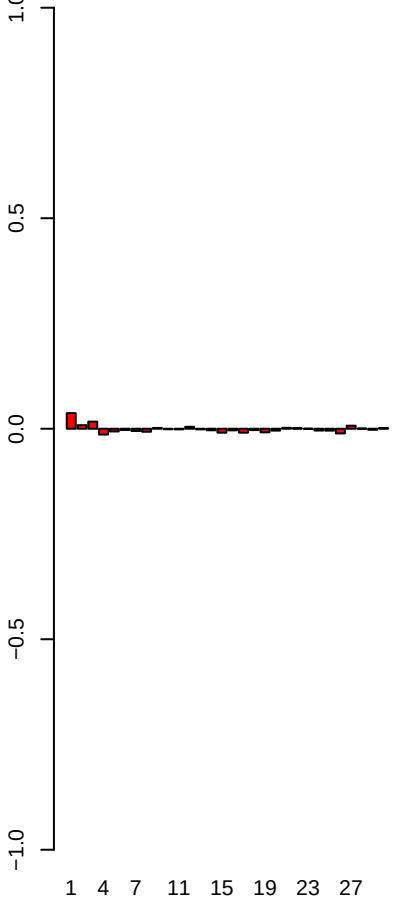

): Parameter 12, %WITHIN%: IMMI2GEN



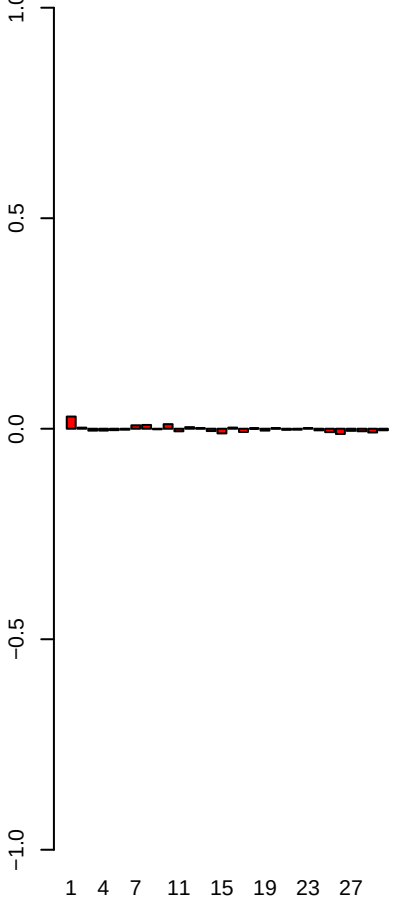

): Parameter 12, %WITHIN%: IMMI2GEN



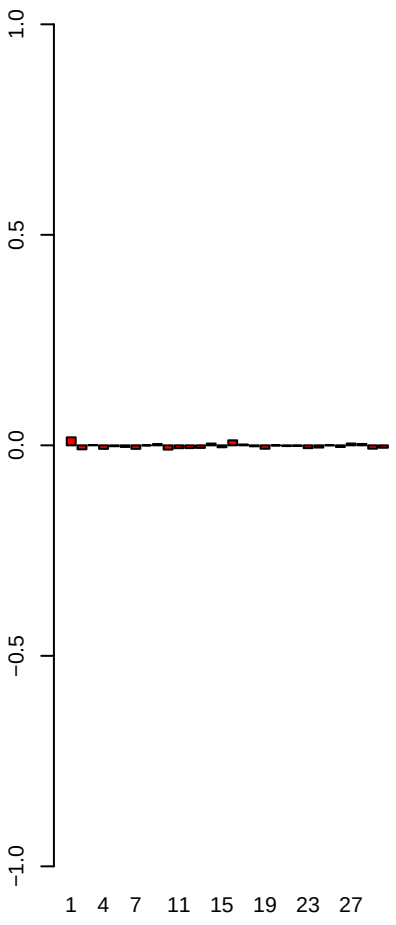

): Parameter 12, %WITHIN%: IMMI2GEN



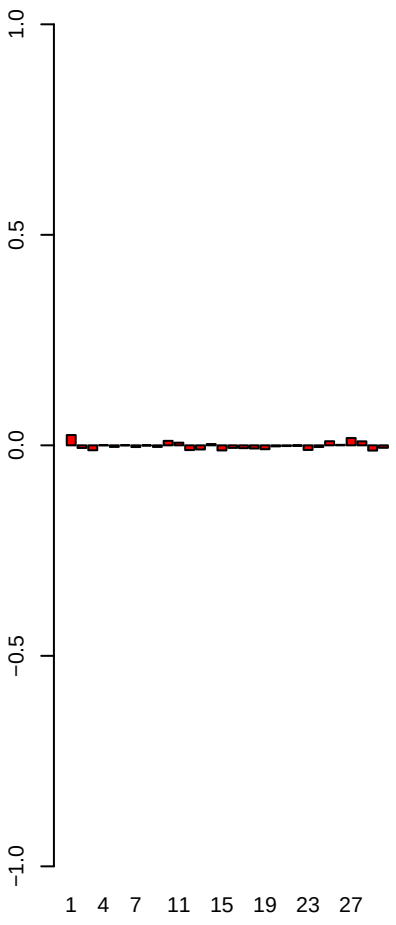

): Parameter 12, %WITHIN%: IMMI2GEN



1 ): Parameter 13, %WITHIN%: ESCS




2 ): Parameter 13, %WITHIN%: ESCS

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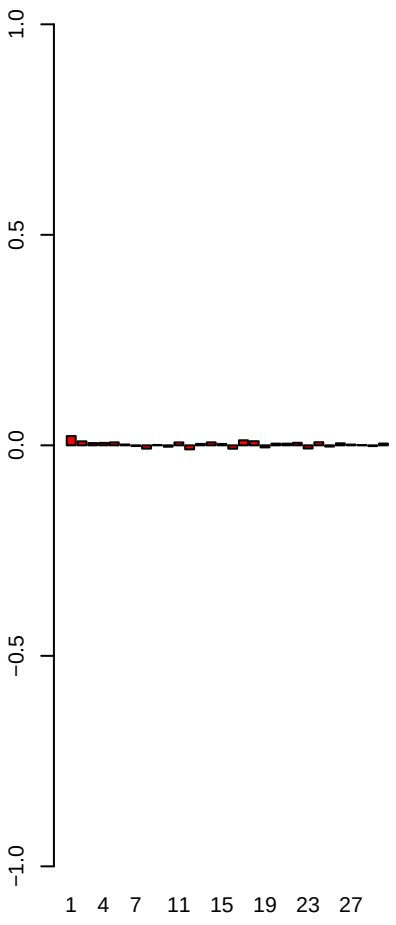


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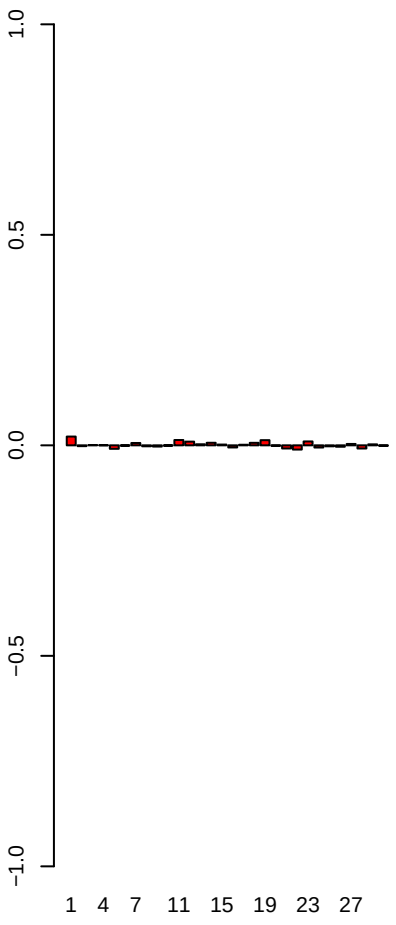


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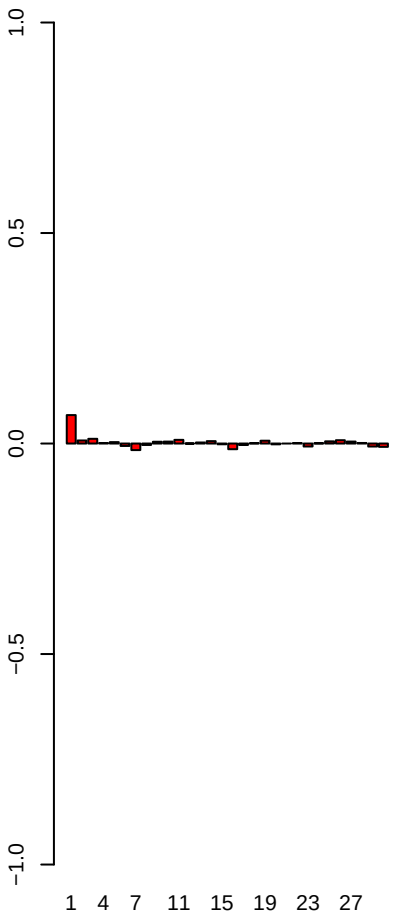


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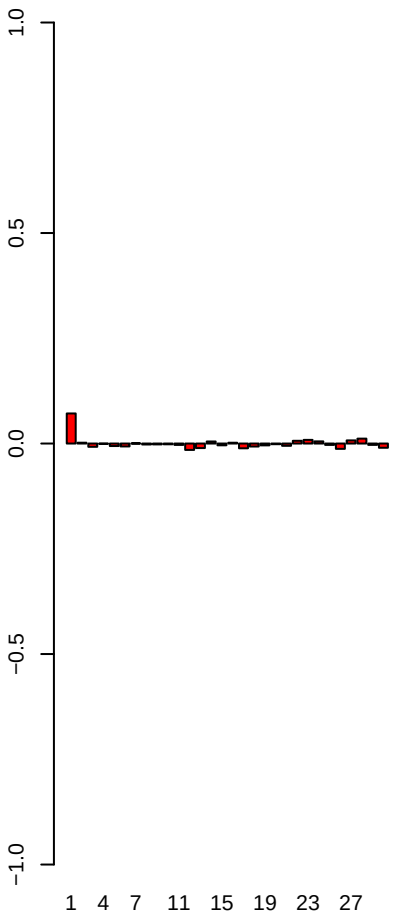


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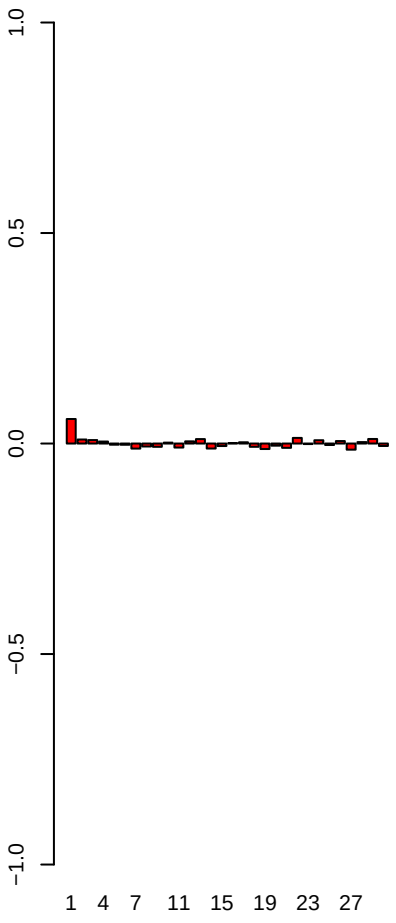


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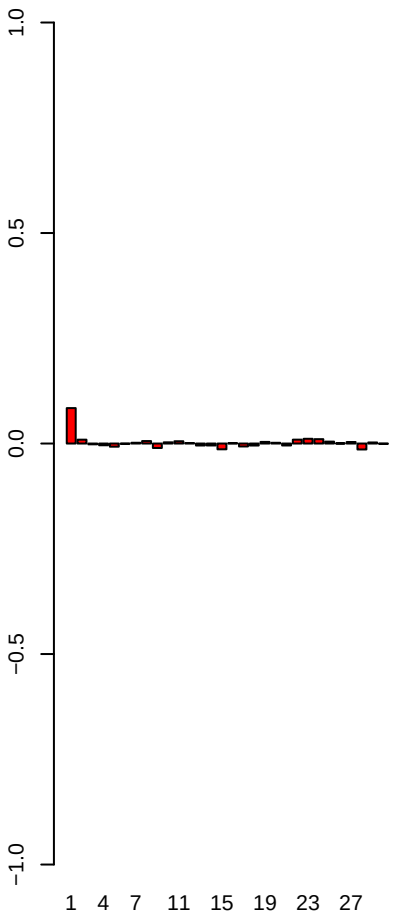


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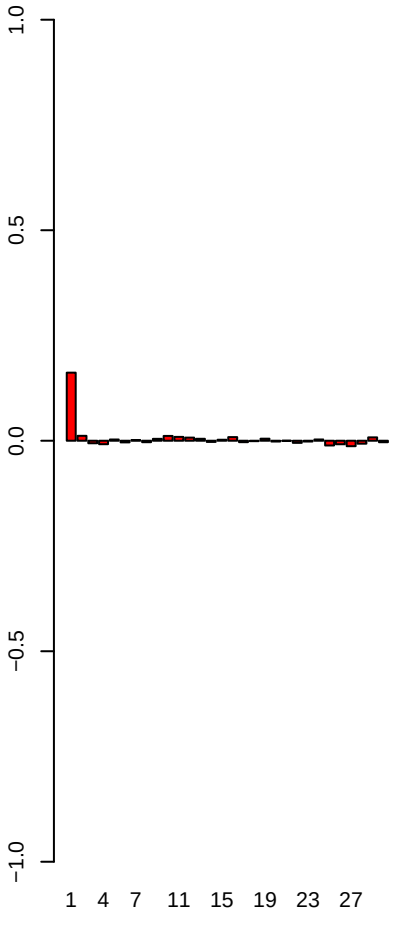


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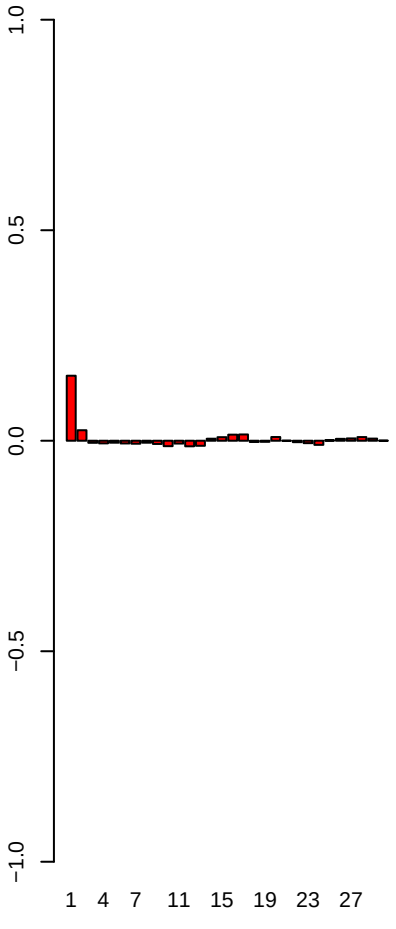


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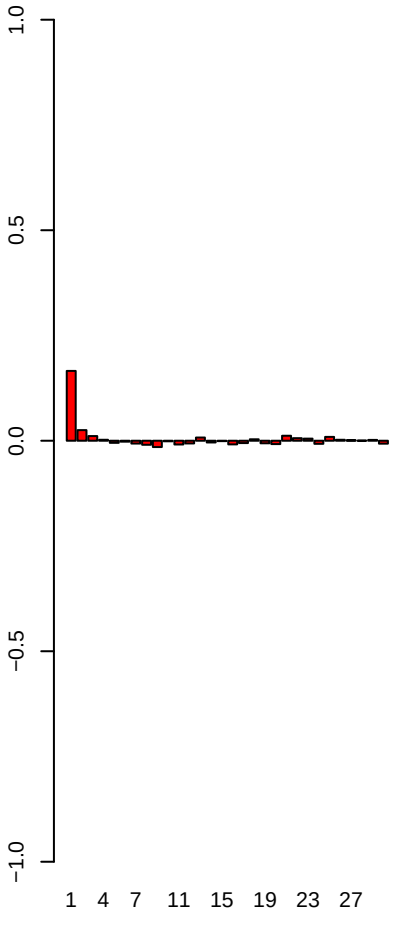


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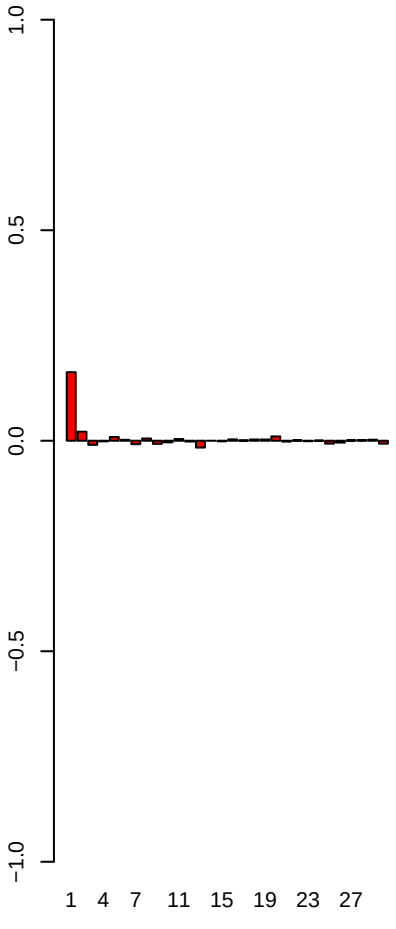

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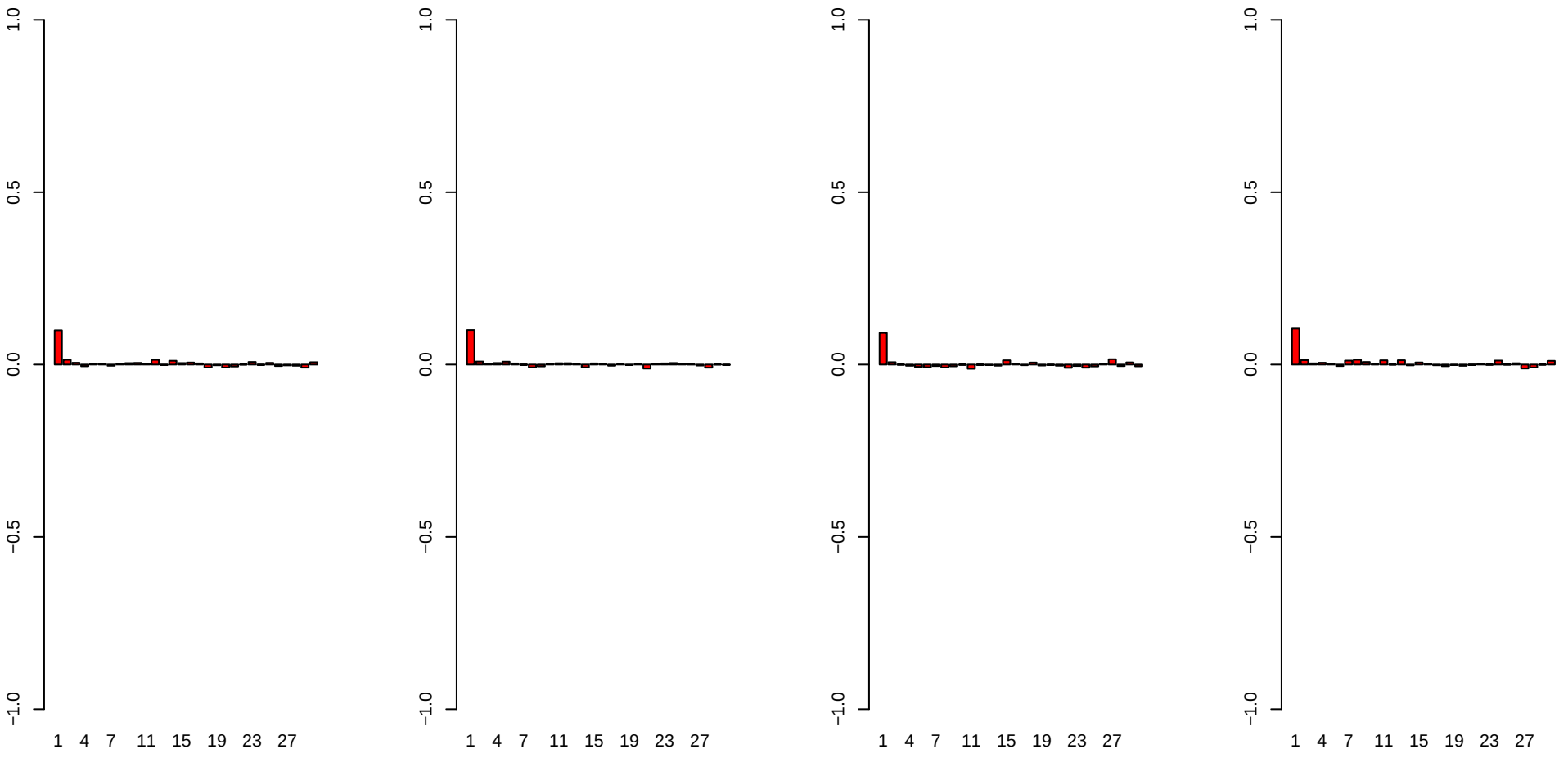


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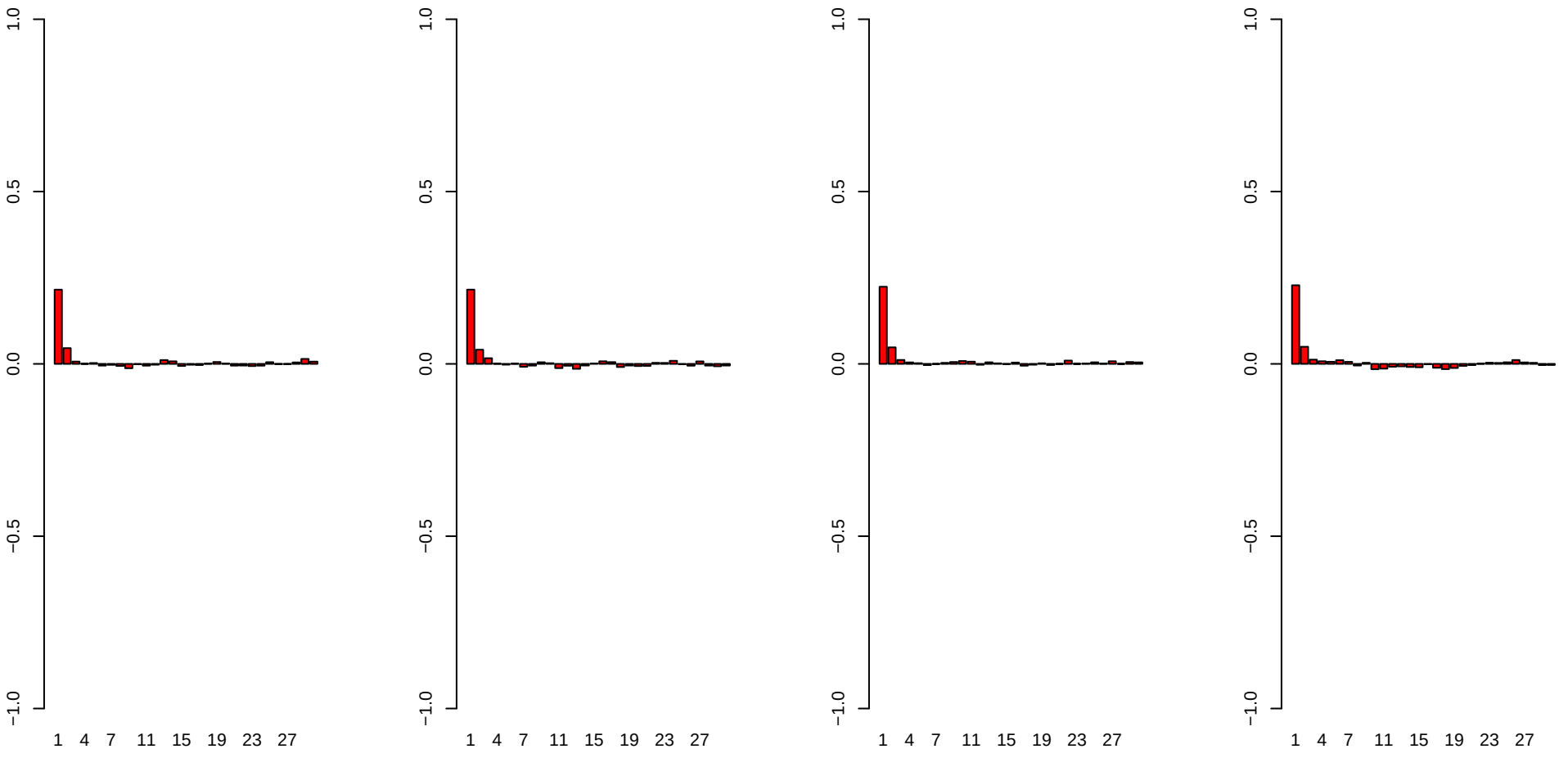


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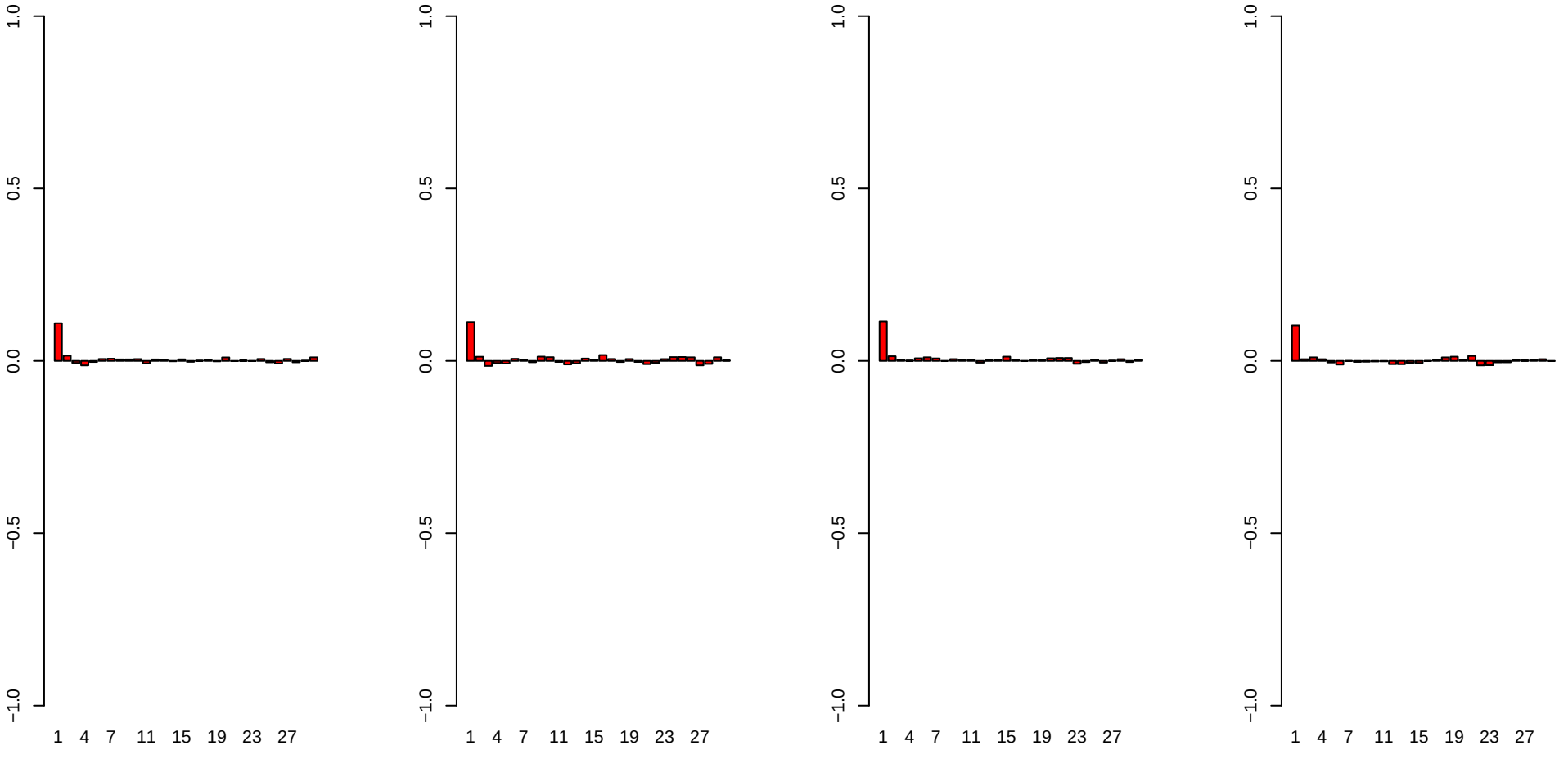

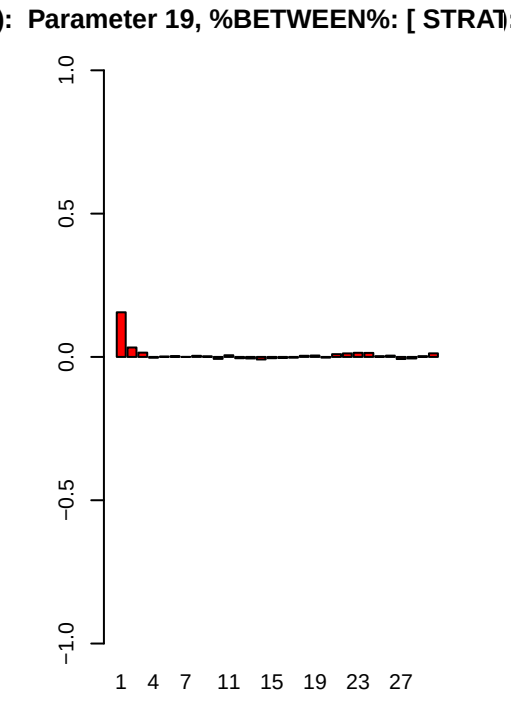
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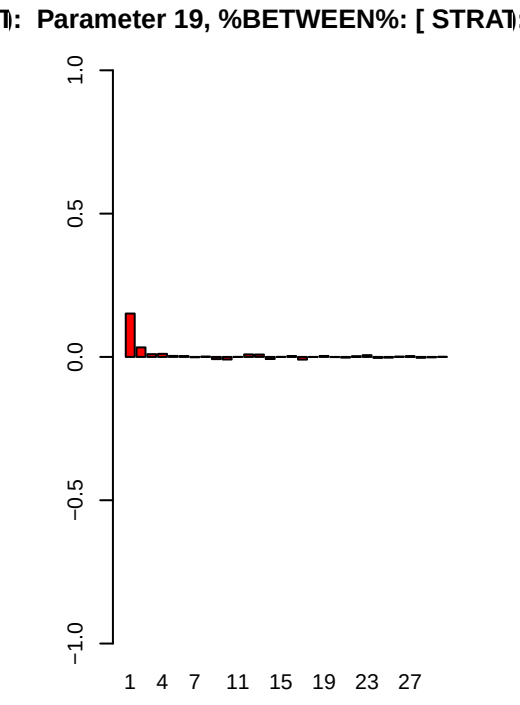
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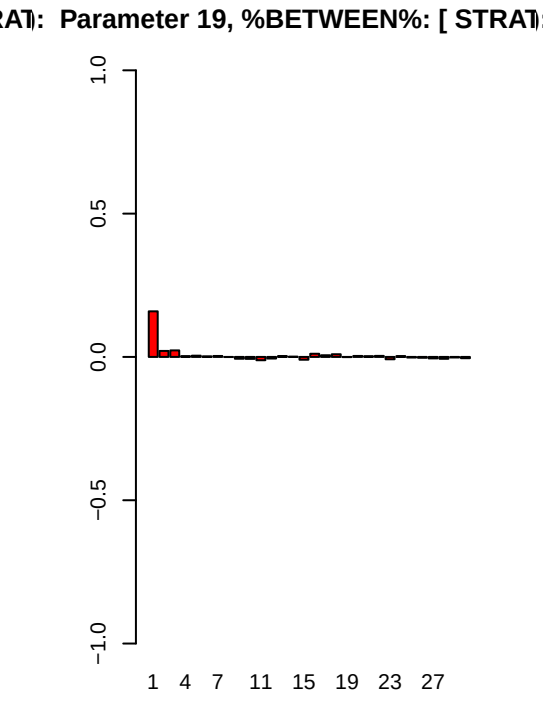
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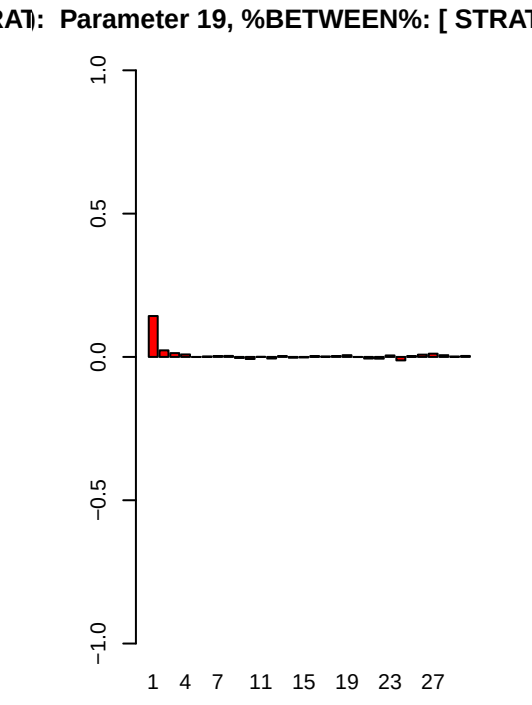
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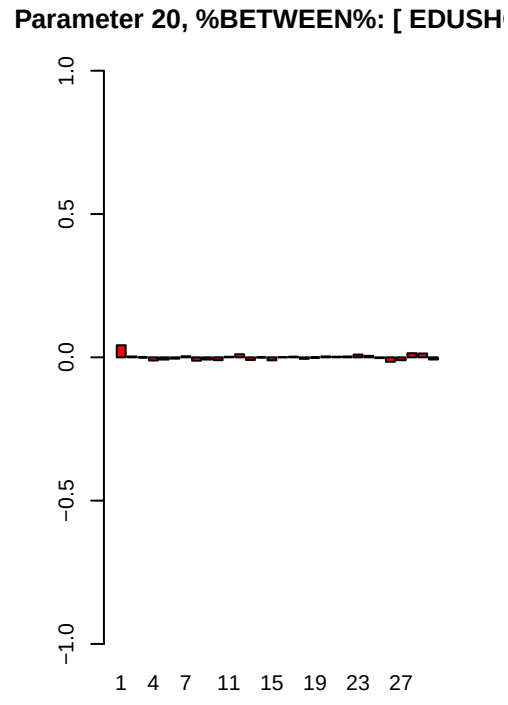
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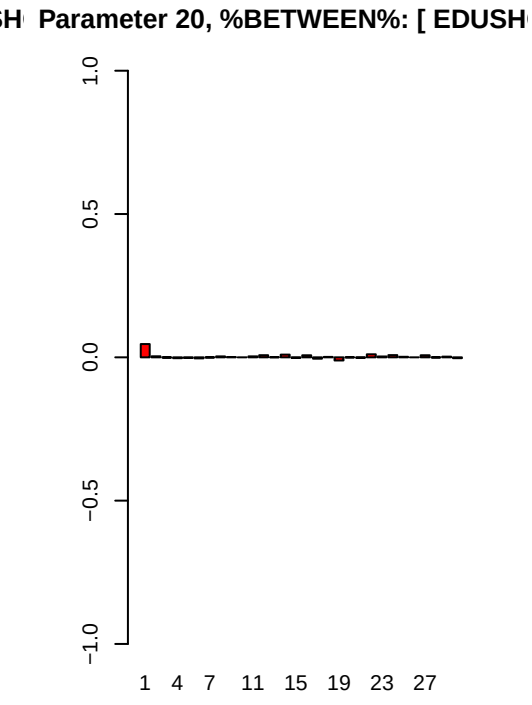
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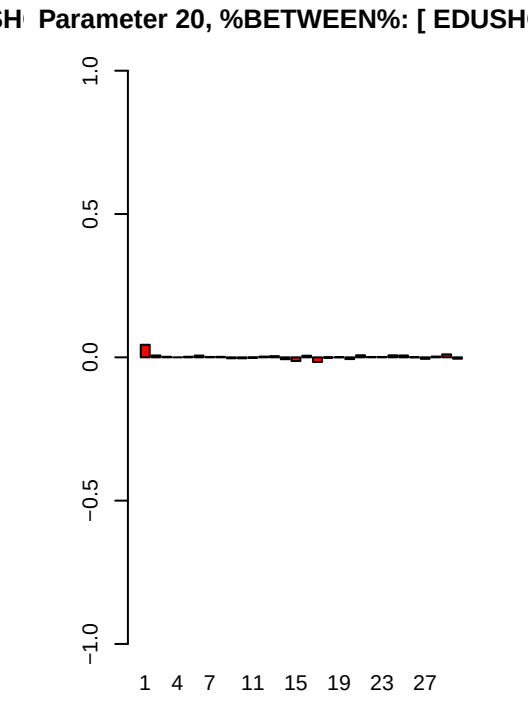
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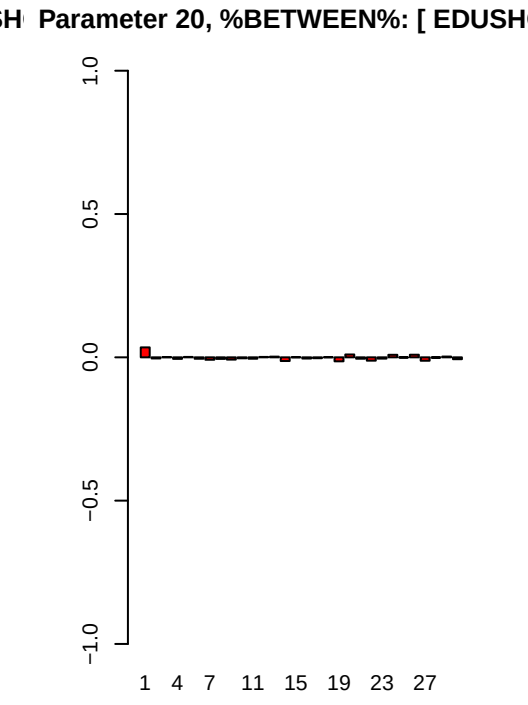
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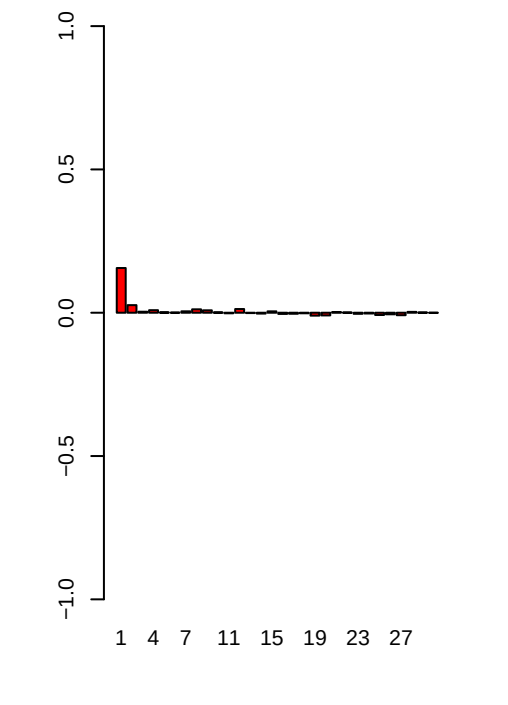
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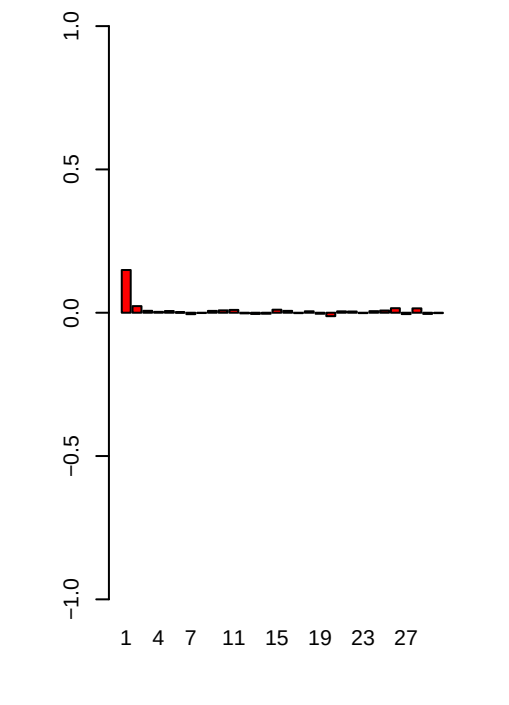
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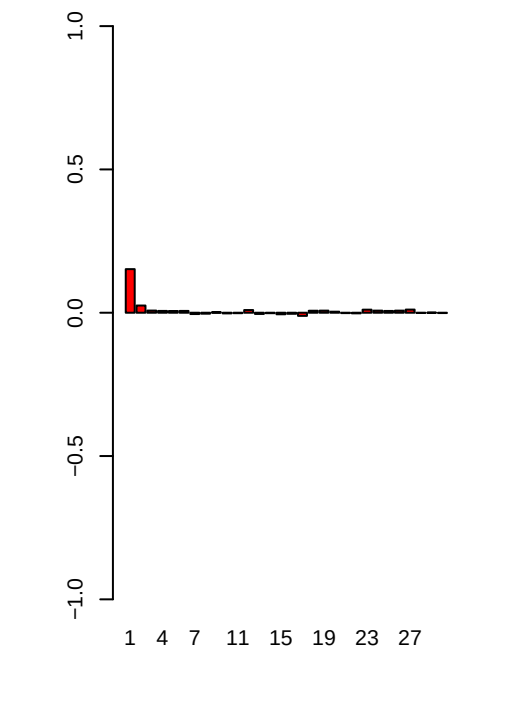
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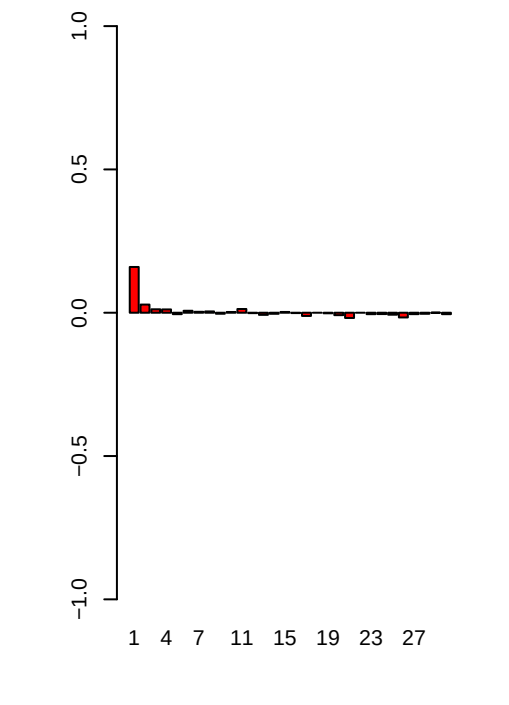
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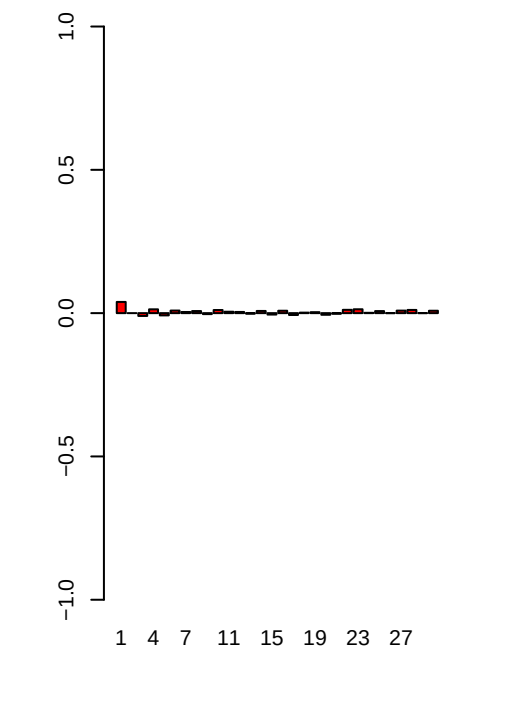
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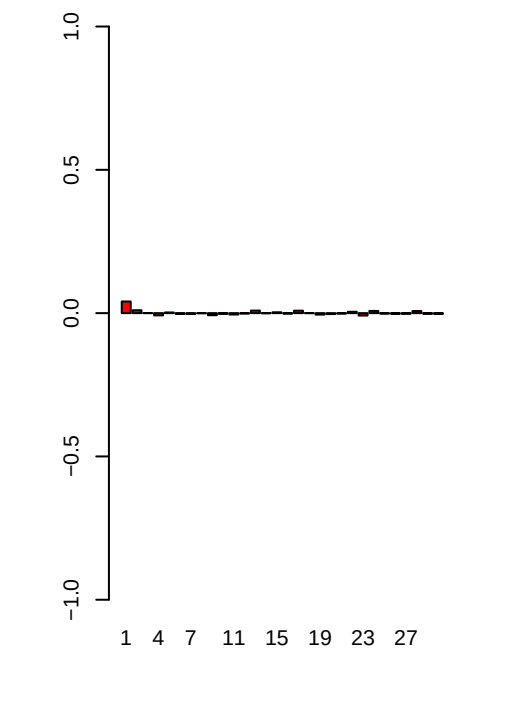
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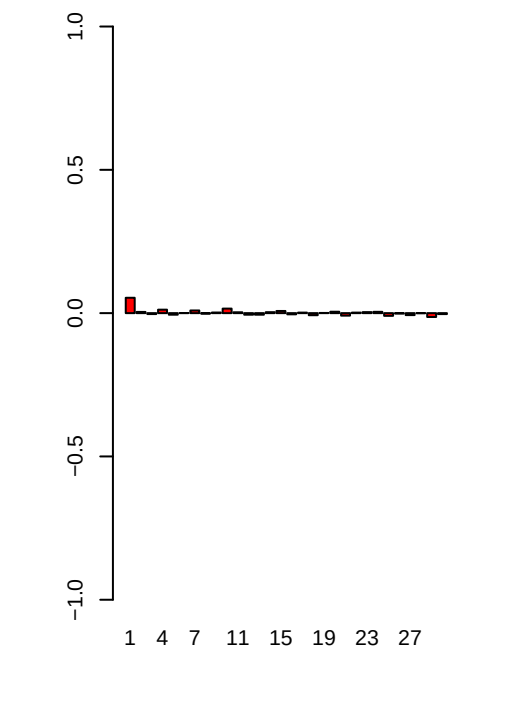
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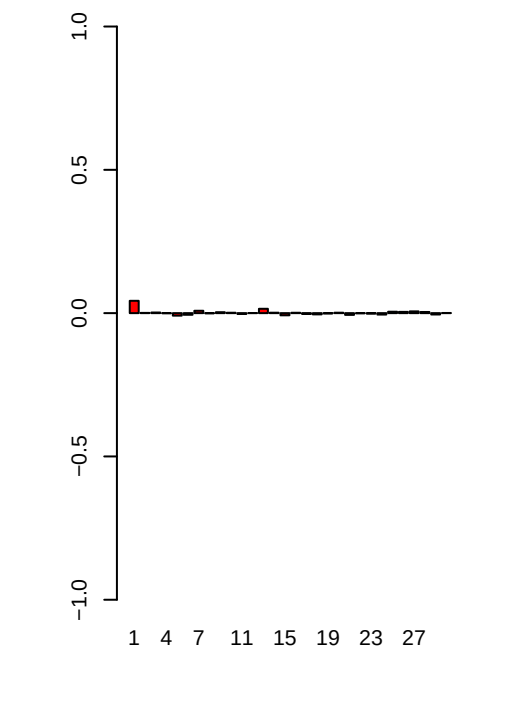
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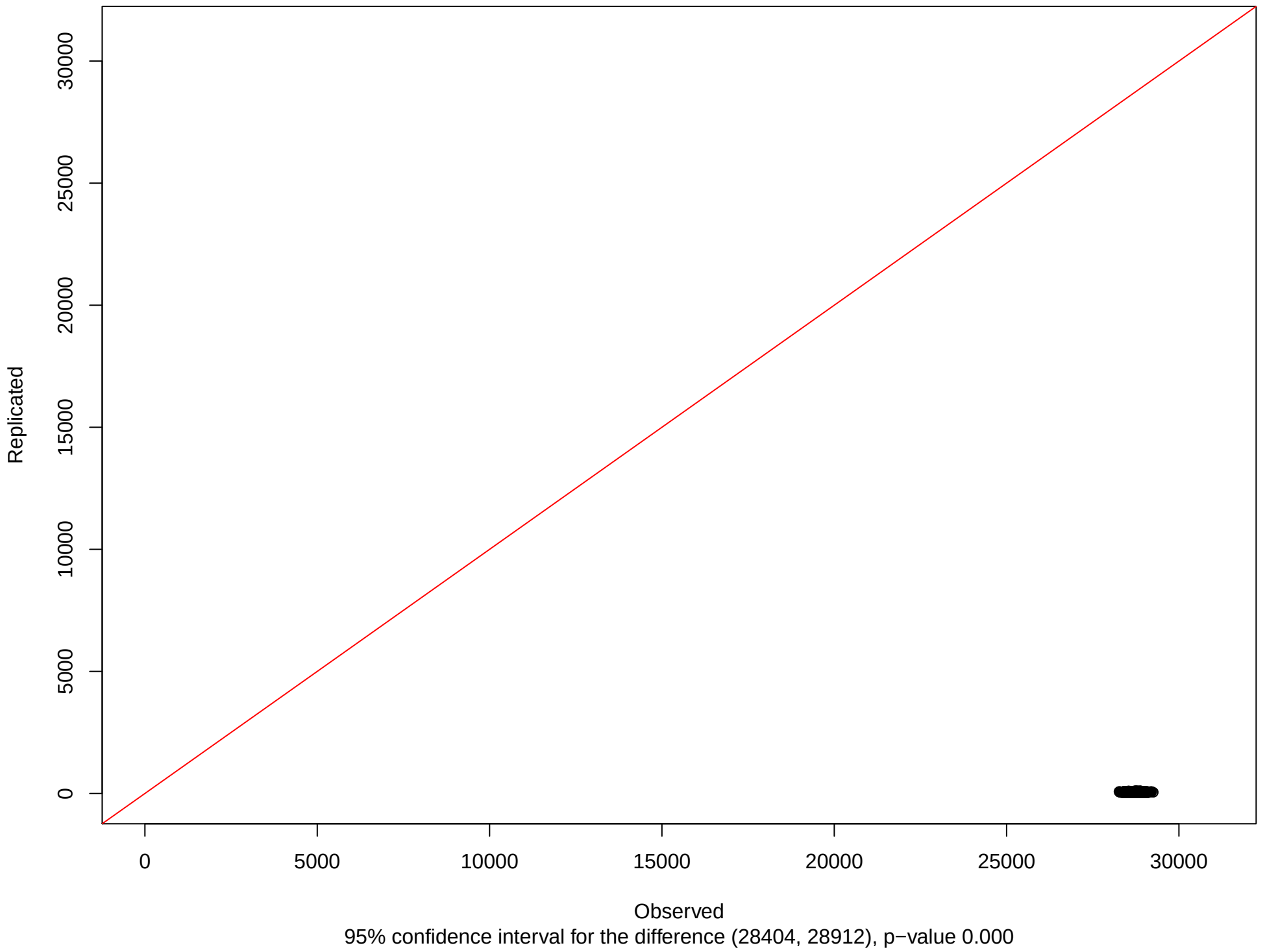
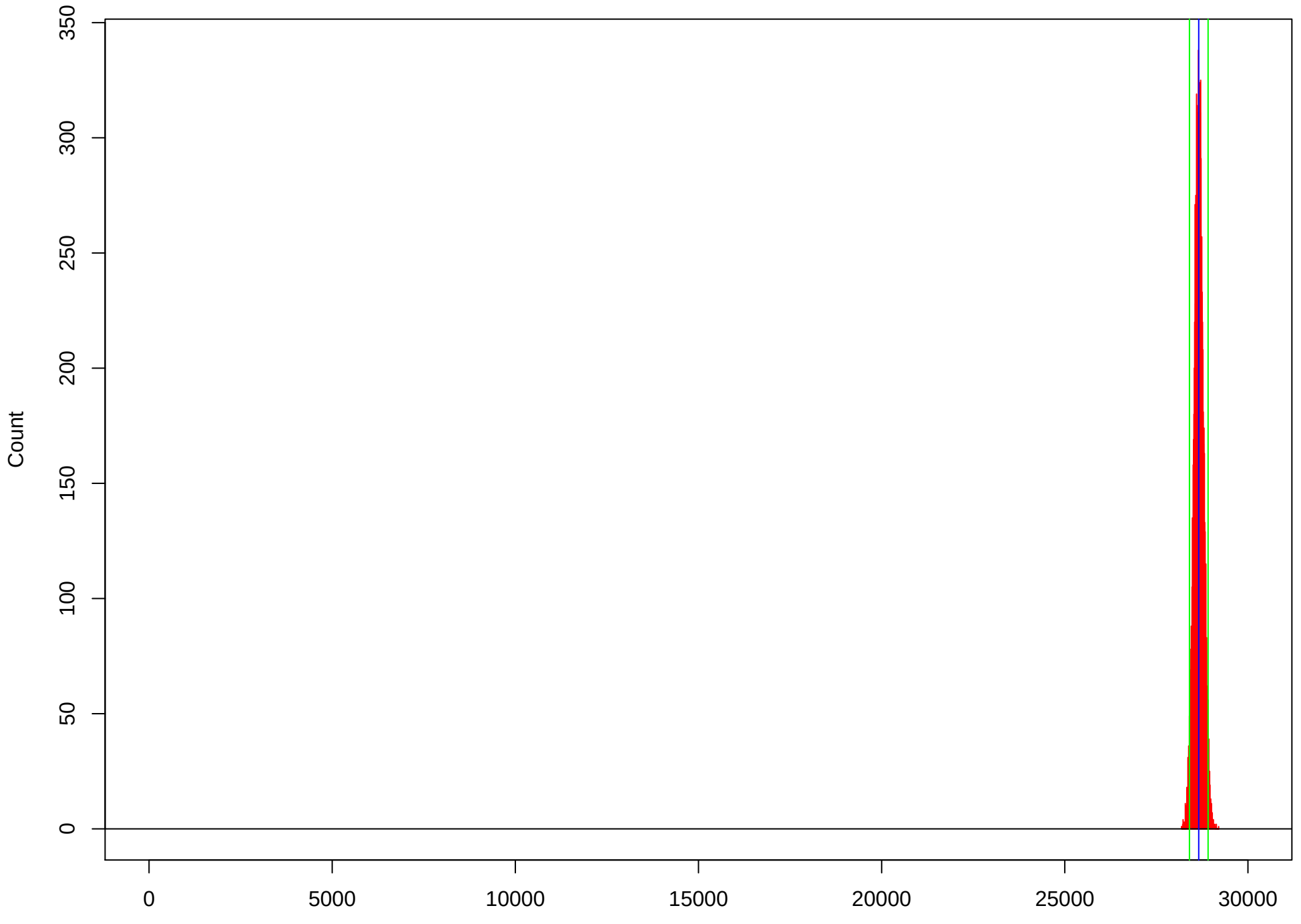
## Bayesian Predictive Scatter Plot




## Bayesian Predictive Distribution