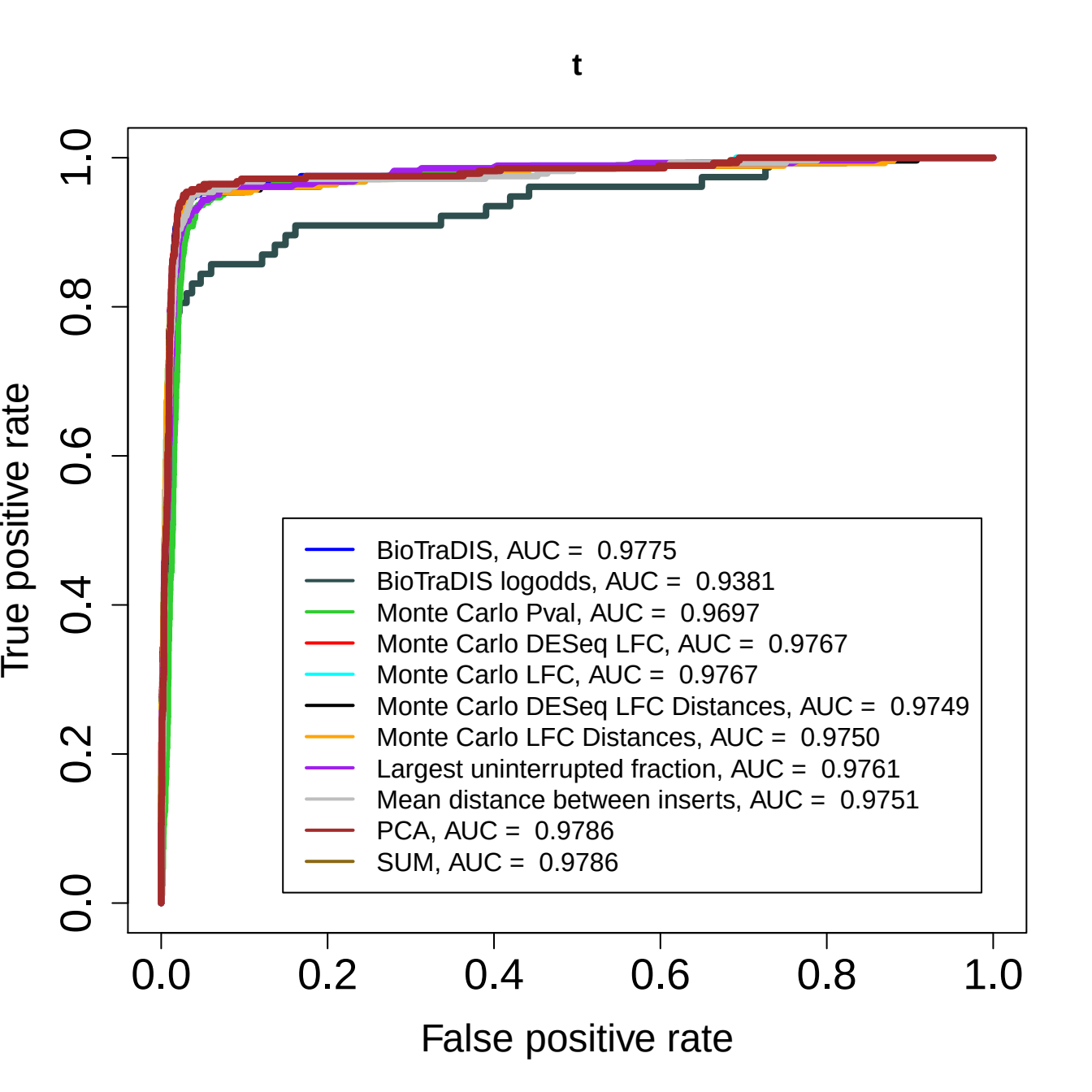
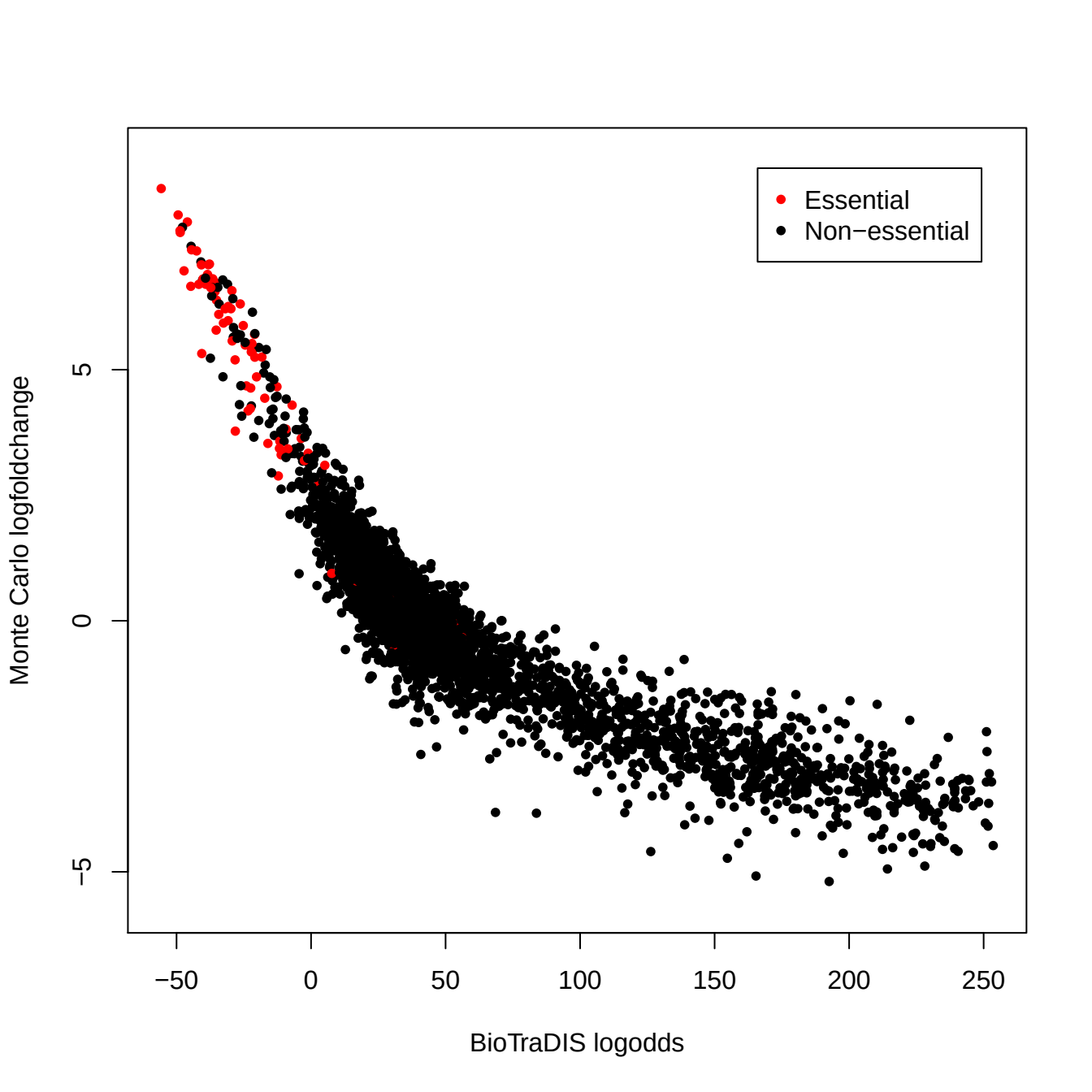
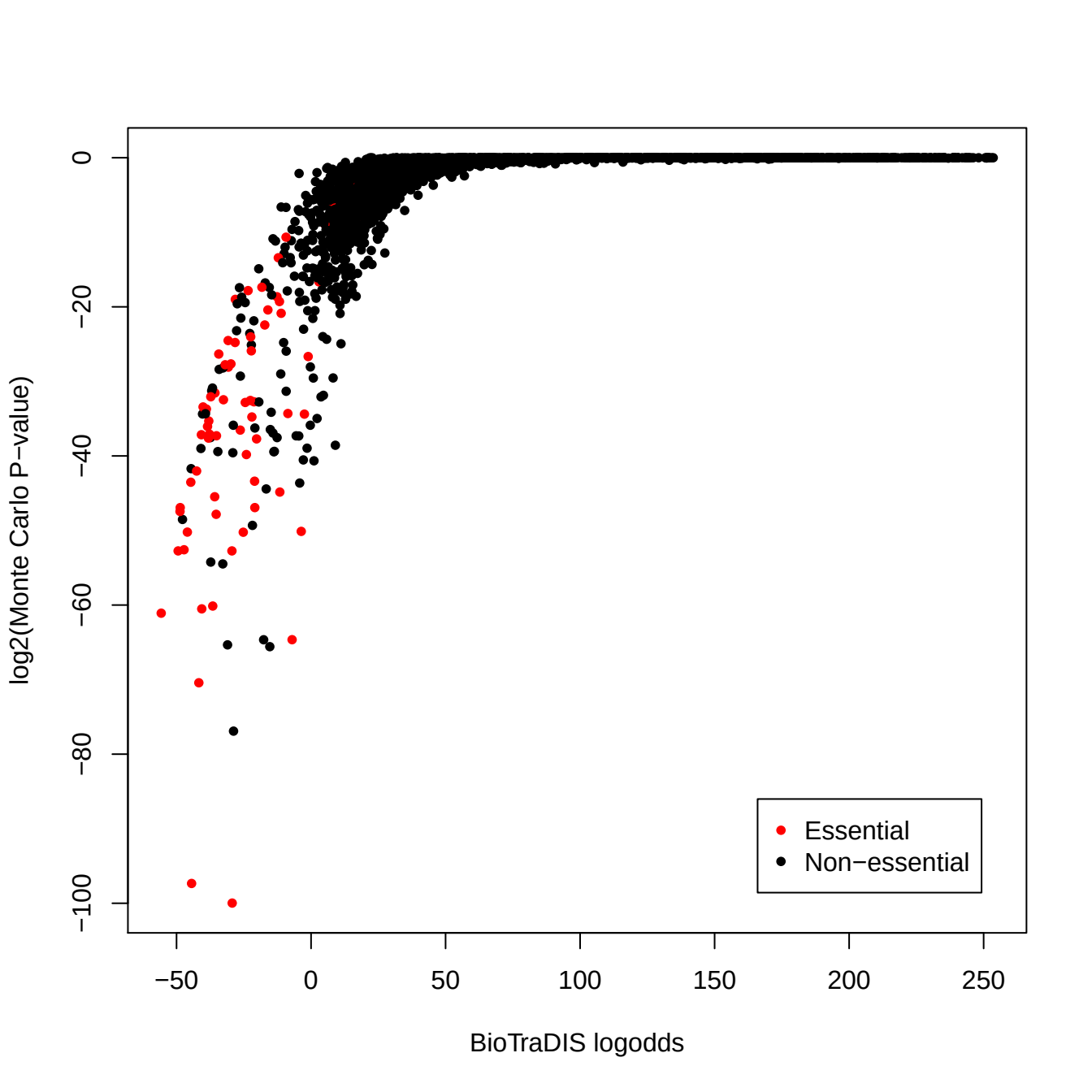
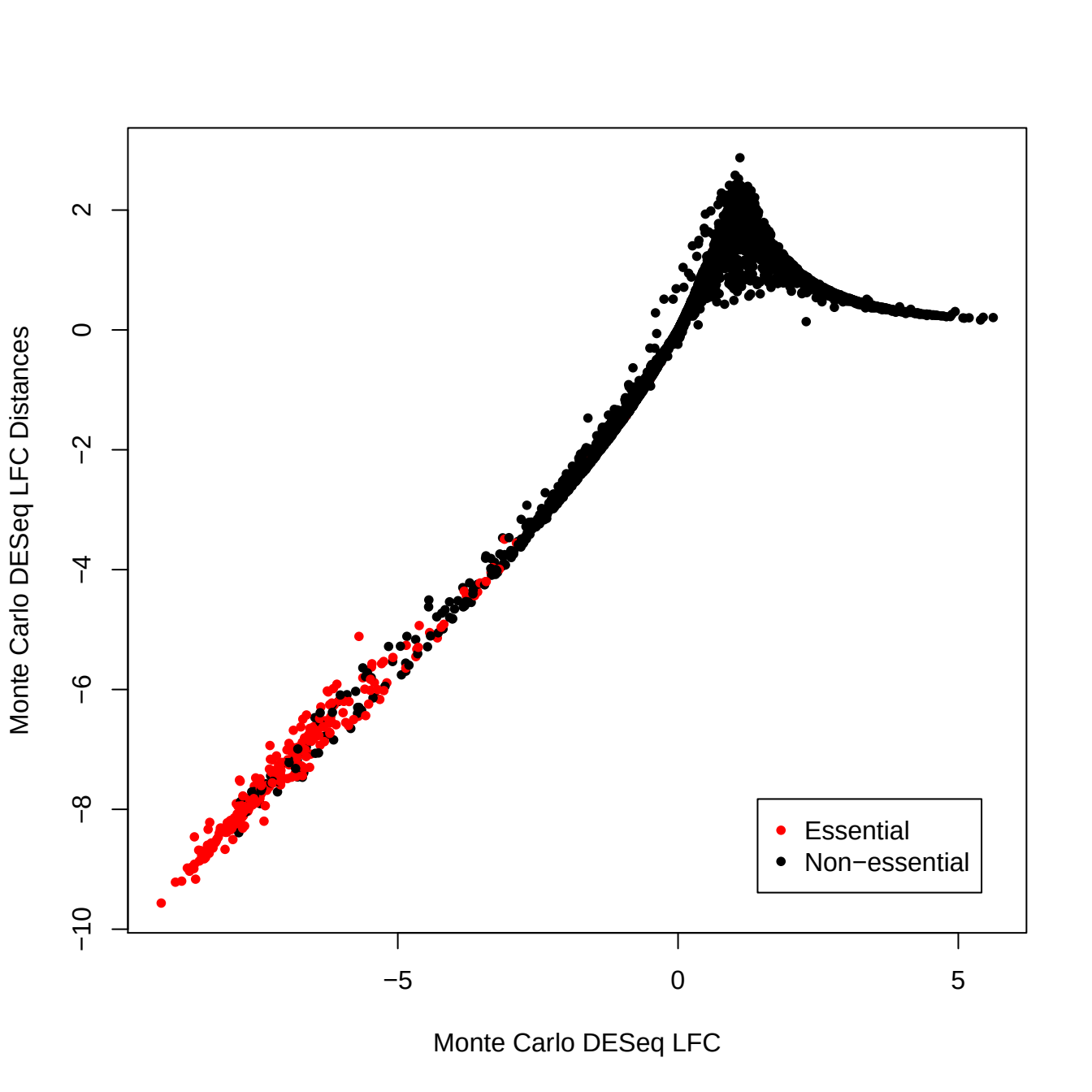
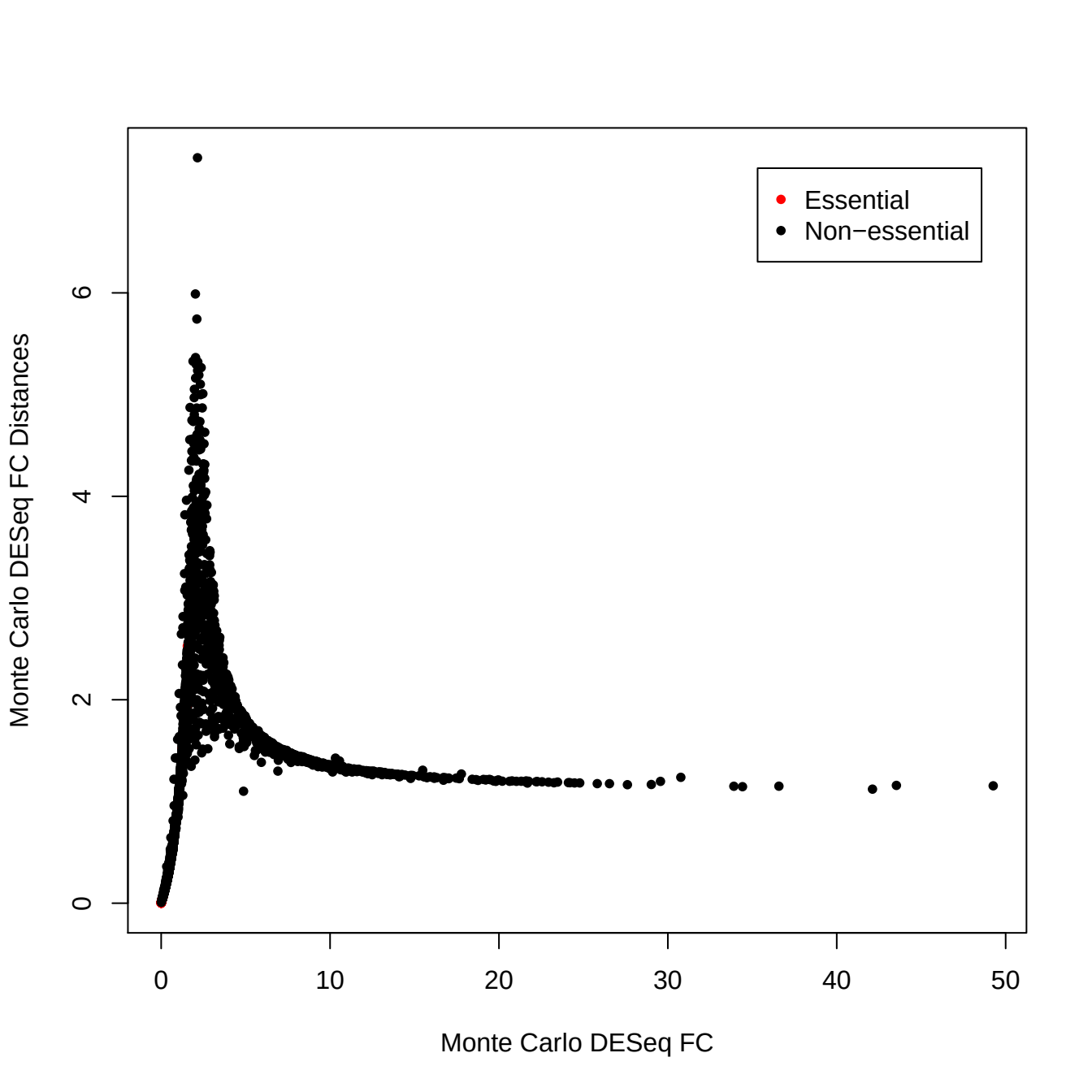
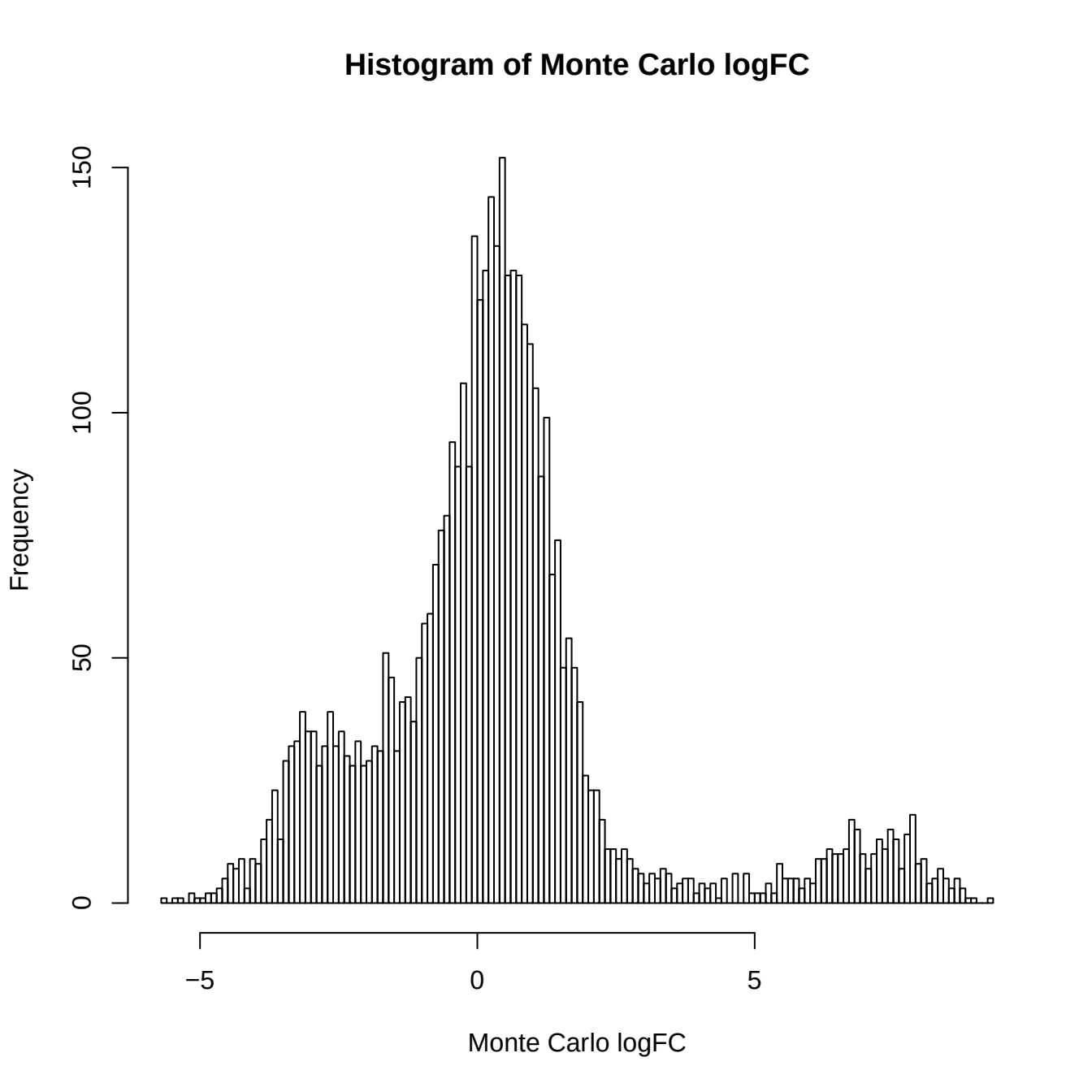

t
True positive rate
False positive rate
0.0
0.2
0.4
0.6
0.8
1.0
BioTraDIS, AUC = 0.9775
BioTraDIS logodds, AUC = 0.9381
Monte Carlo Pval, AUC = 0.9697
Monte Carlo DESeq LFC, AUC = 0.9767
Monte Carlo LFC, AUC = 0.9767
Monte Carlo DESeq LFC Distances, AUC = 0.9749
Monte Carlo LFC Distances, AUC = 0.9750
Largest uninterrupted fraction, AUC = 0.9761
Mean distance between inserts, AUC = 0.9751
PCA, AUC = 0.9786
SUM, AUC = 0.9786

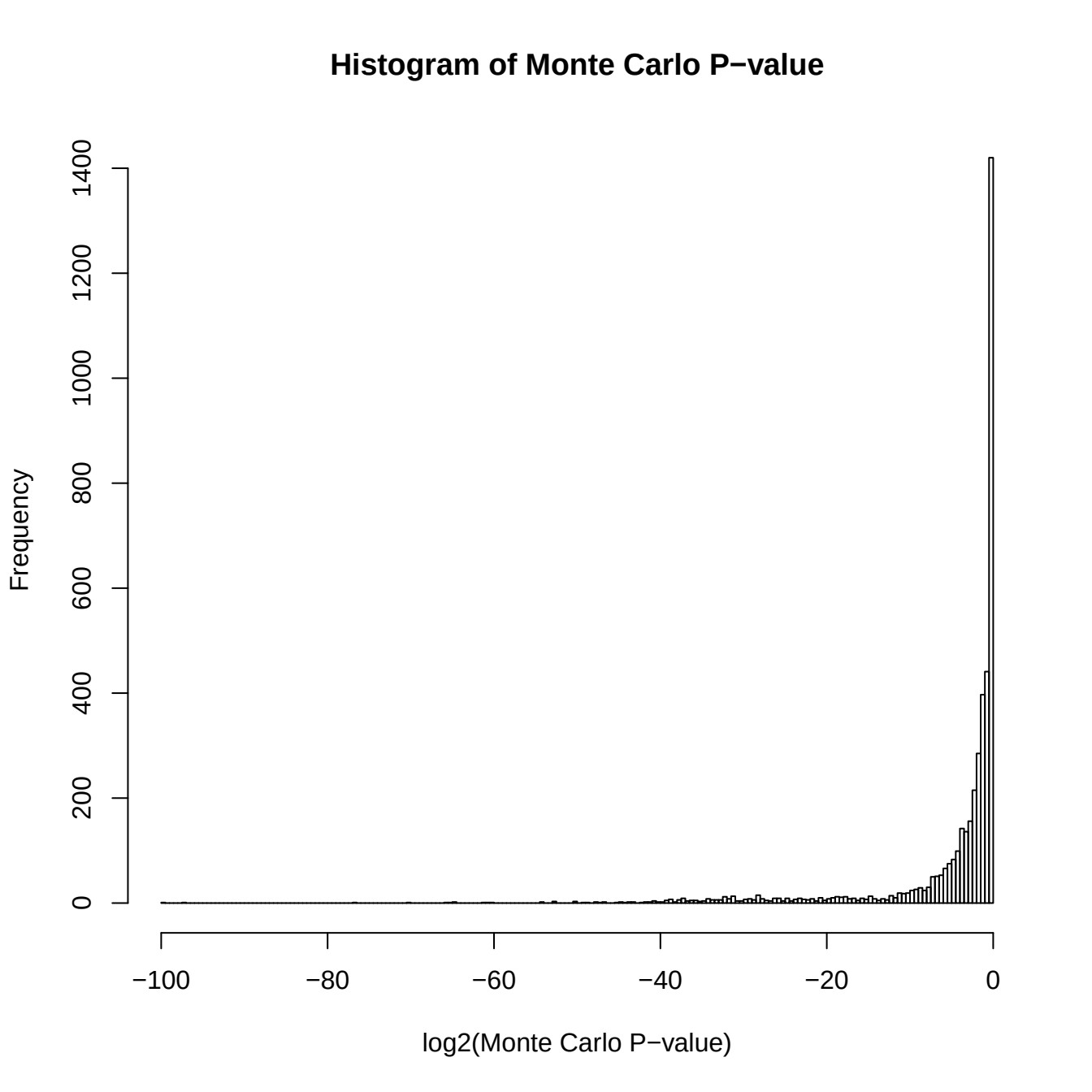

Essential
Non−essential
Monte Carlo logfoldchange
BioTraDIS logodds
−5
0
5
−50
0
50
100
150
200
250

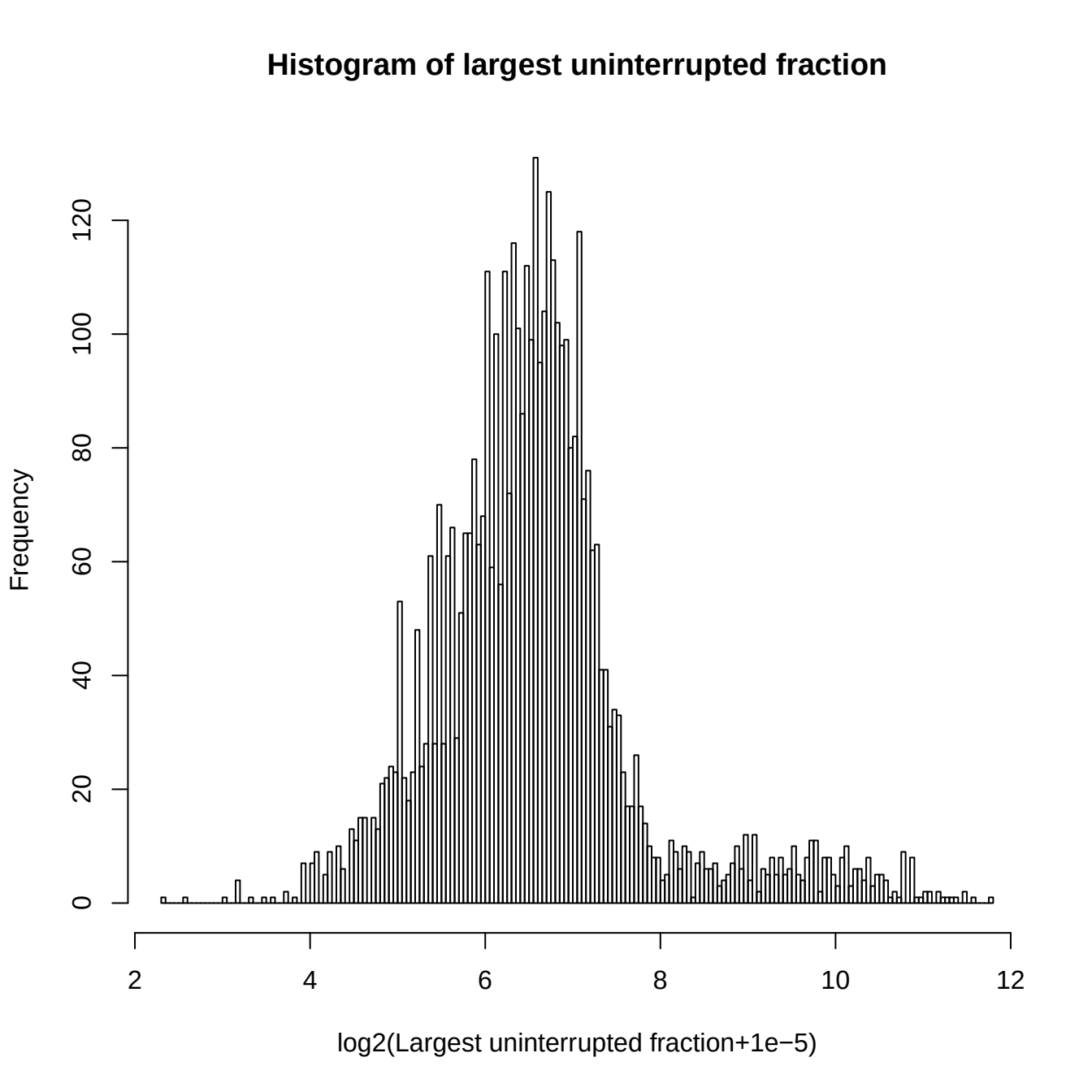

log2(Monte Carlo P−value)
0
−20
−40
−60
−80
−100
−50
0
50
100
150
200
250
BioTraDIS logodds
Essential
Non−essential

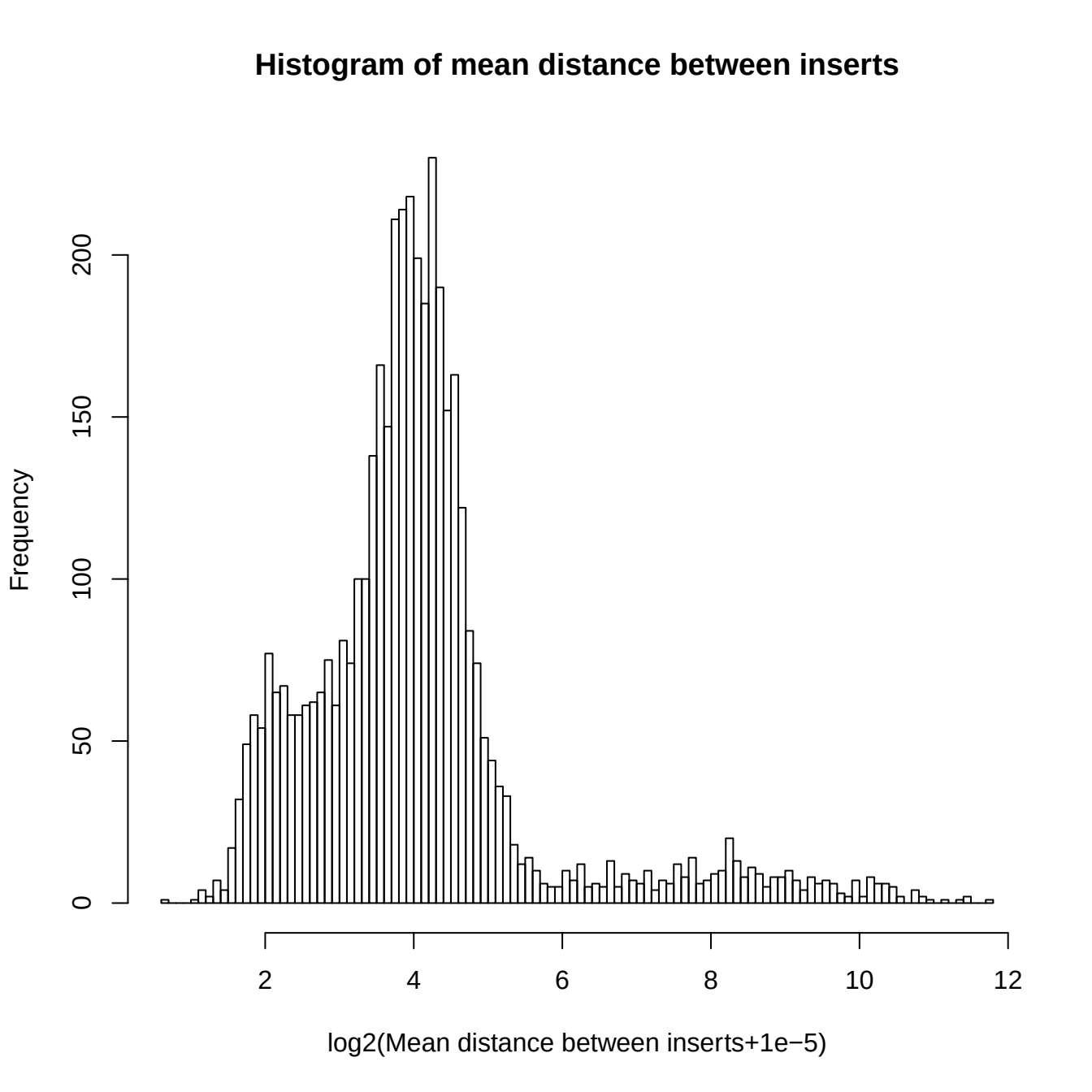

Monte Carlo DESeq LFC Distances
2
0
−2
−4
−6
−8
−10
−5
0
5
Monte Carlo DESeq LFC
Essential
Non−essential


Essential
Non−essential
Monte Carlo DESeq FC Distances
0
2
4
6
0
10
20
30
40
50
Monte Carlo DESeq FC


Histogram of Monte Carlo logFC
Frequency
0
50
100
150
−5
0
5
Monte Carlo logFC


Histogram of Monte Carlo P−value
Frequency
0
200
400
600
800
1000
1200
1400
−100
−80
−60
−40
−20
0
log2(Monte Carlo P−value)


Histogram of largest uninterrupted fraction
Frequency
0
20
40
60
80
100
120
2
4
6
8
10
12
log2(Largest uninterrupted fraction+1e−5)


Histogram of mean distance between inserts
Frequency
0
50
100
150
200
2
4
6
8
10
12
log2(Mean distance between inserts+1e−5)