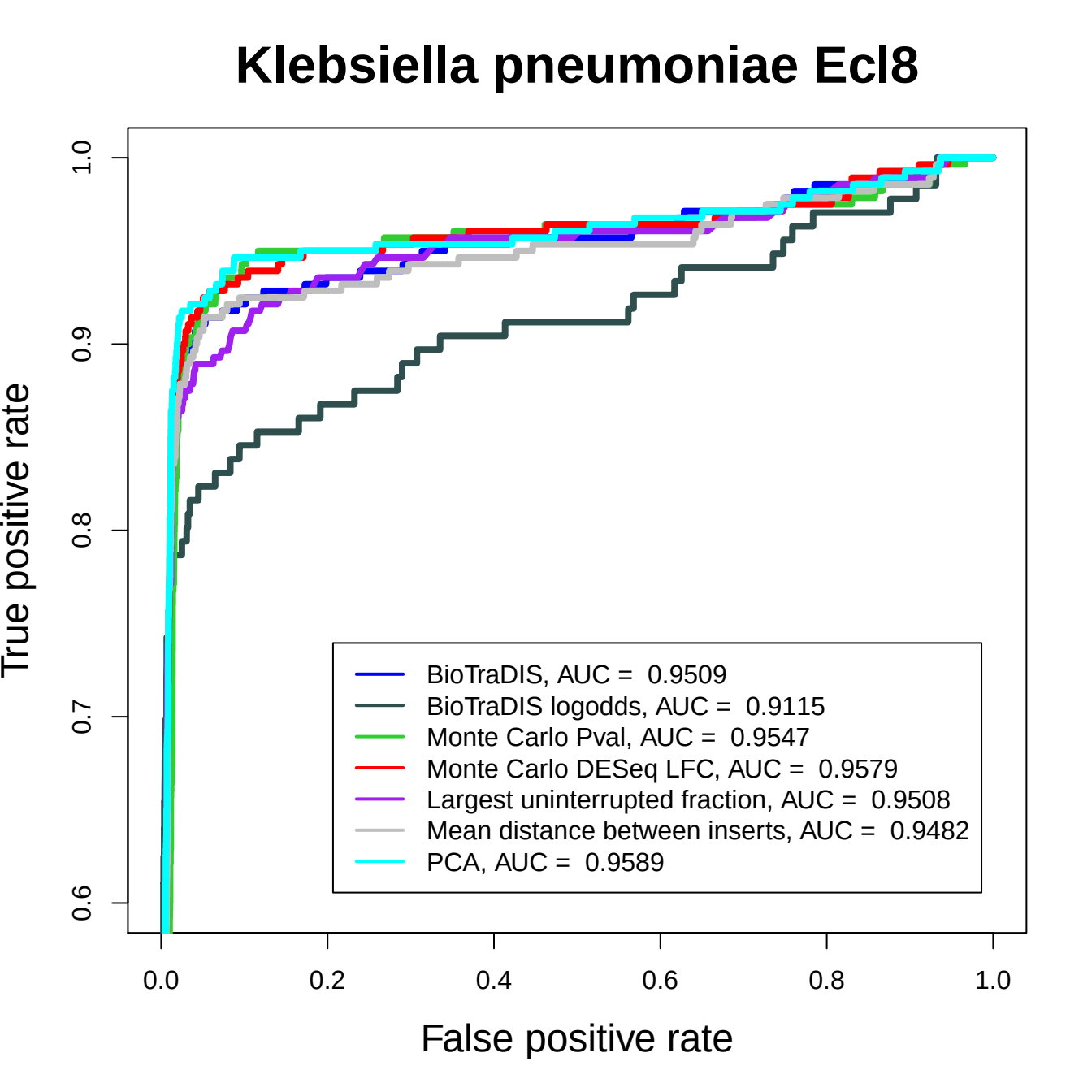
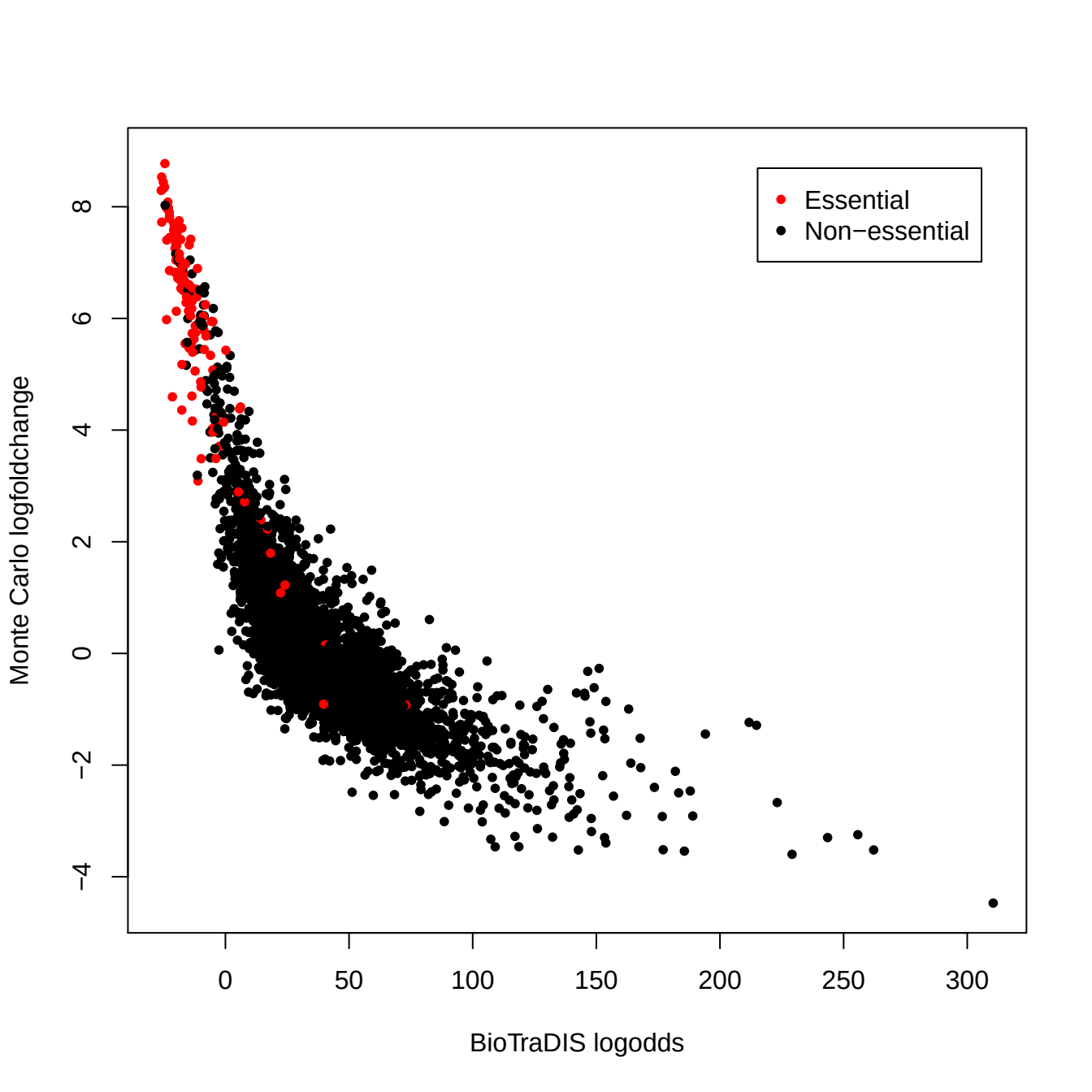
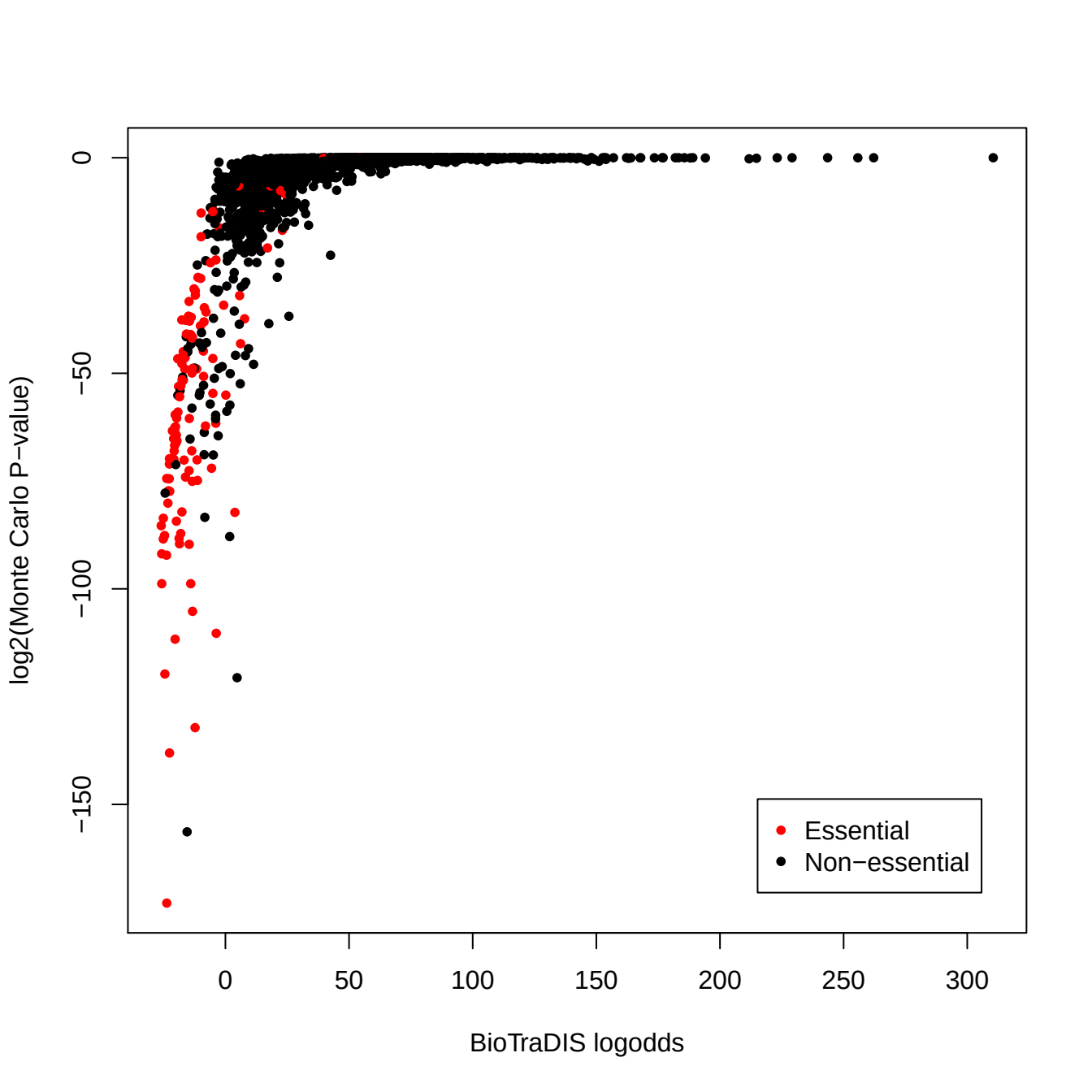
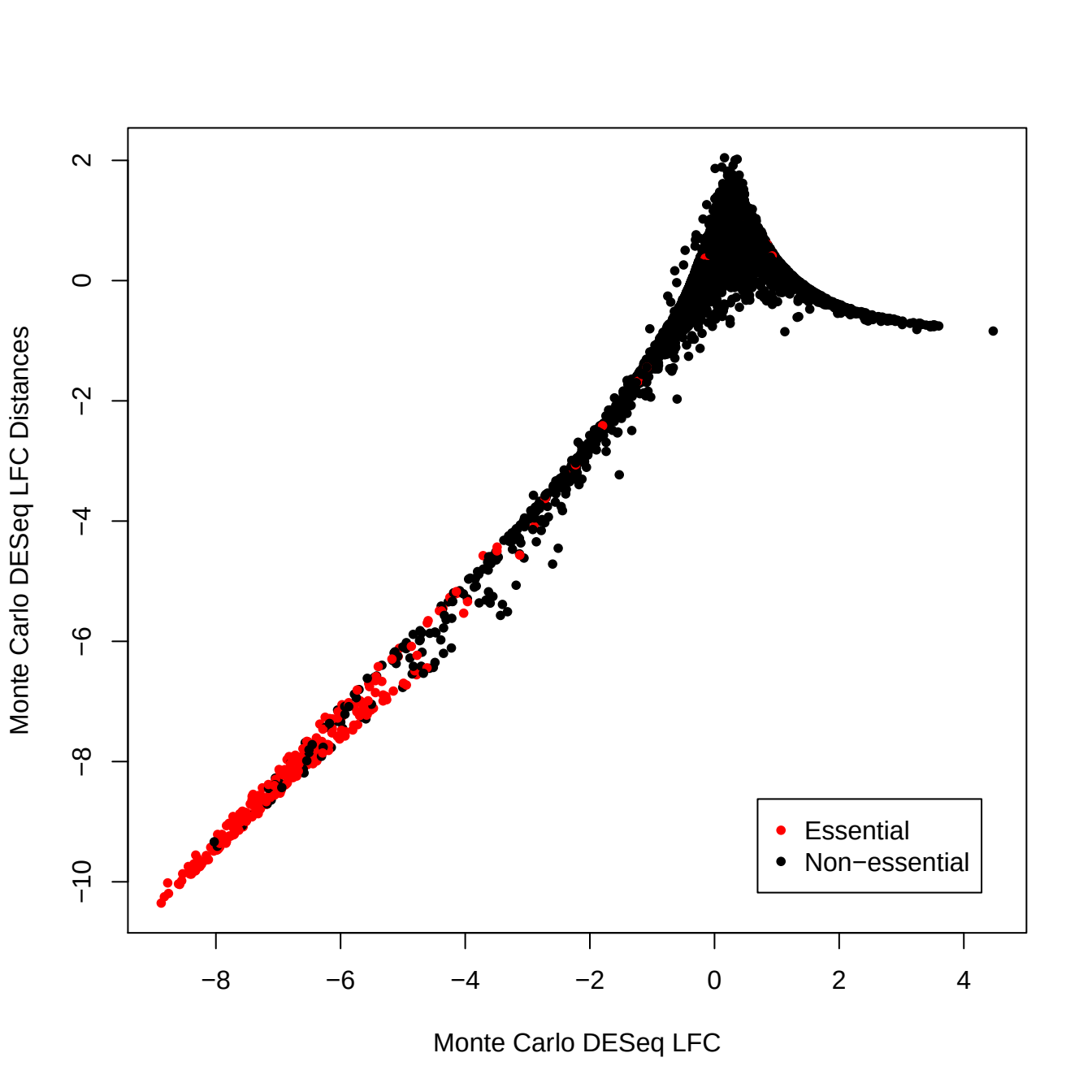
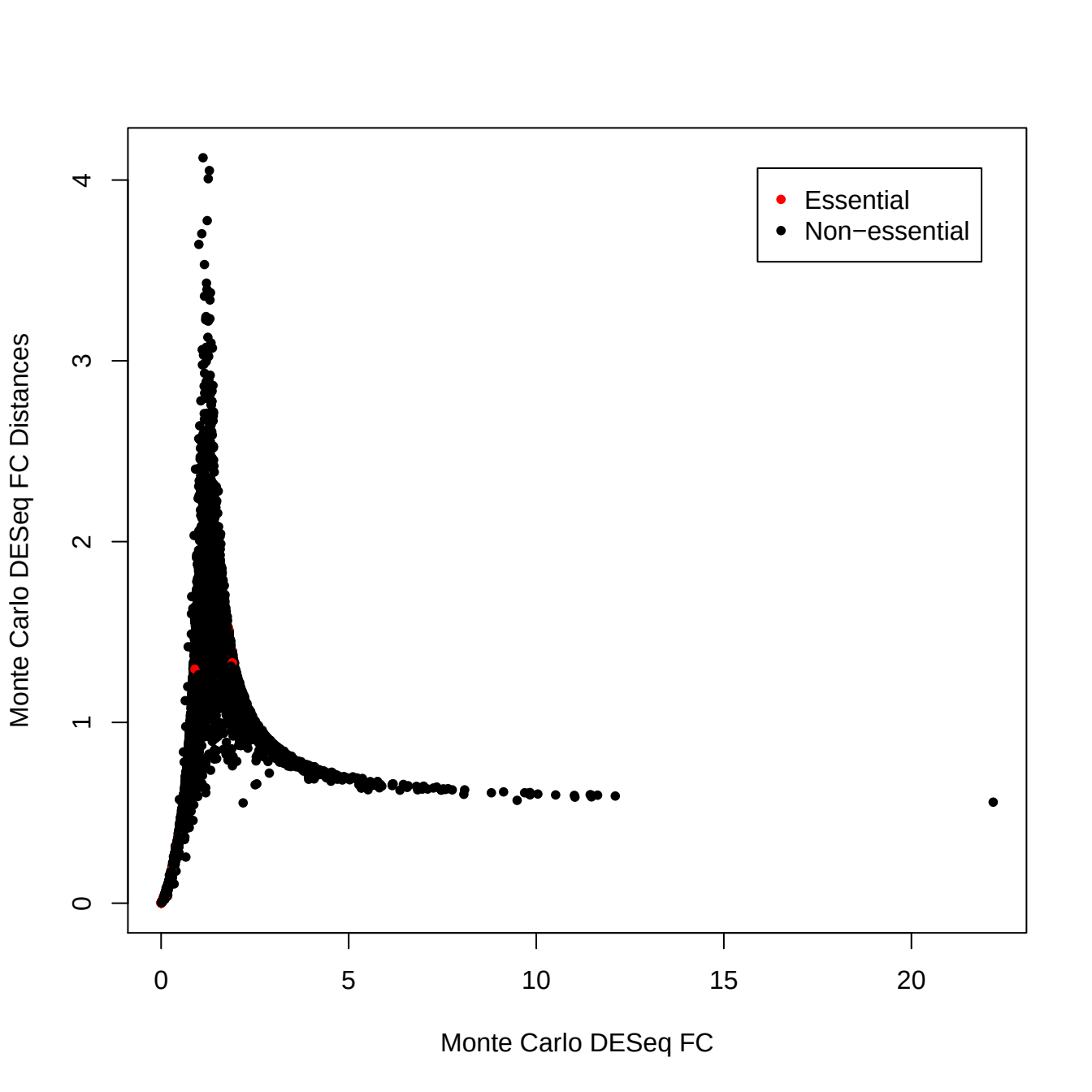
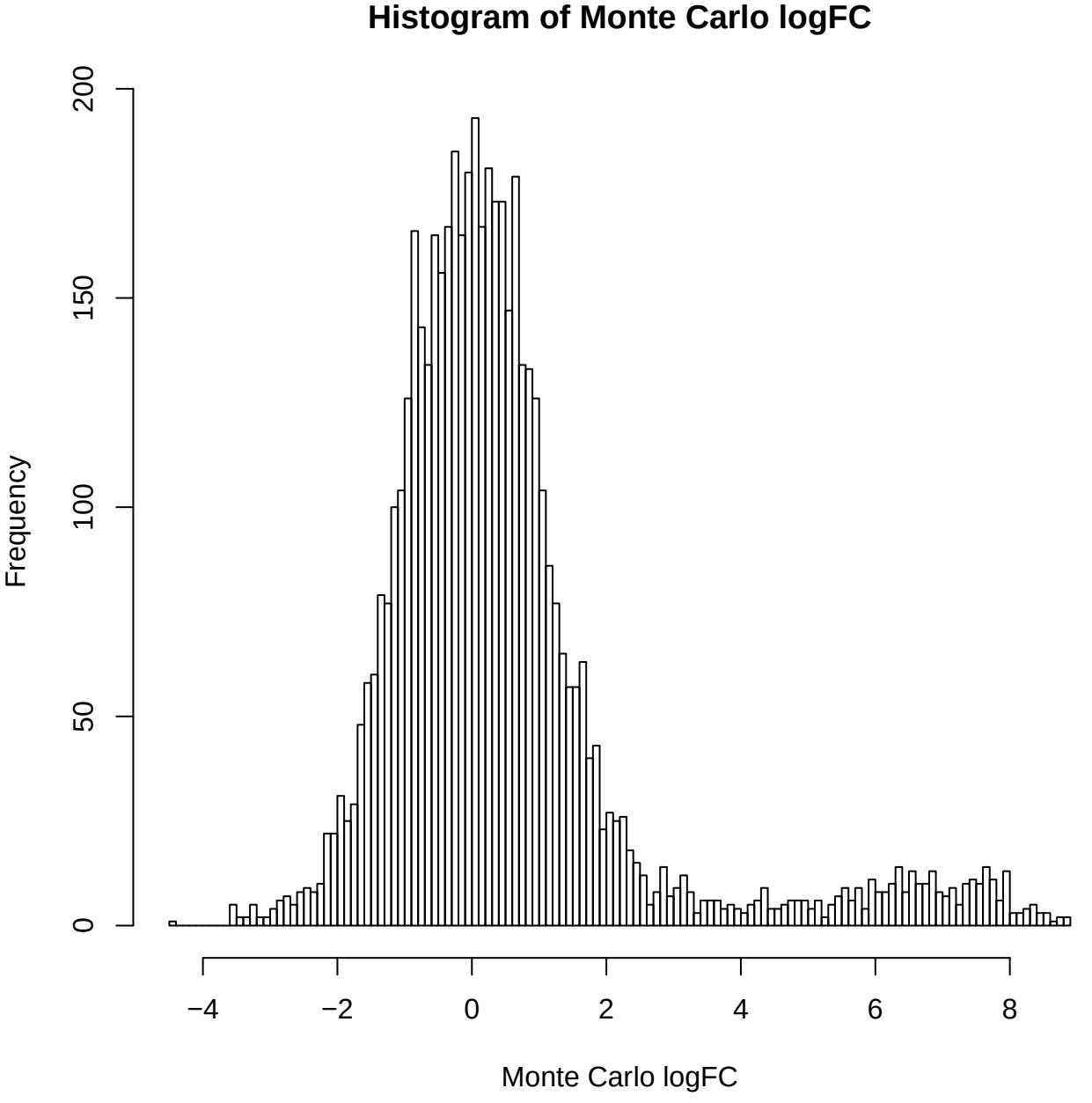

Klebsiella pneumoniae Ecl8
True positive rate
False positive rate
0.6
0.7
0.8
0.9
1.0
0.0
0.2
0.4
0.6
0.8
1.0
BioTraDIS, AUC = 0.9509
BioTraDIS logodds, AUC = 0.9115
Monte Carlo Pval, AUC = 0.9547
Monte Carlo DESeq LFC, AUC = 0.9579
Largest uninterrupted fraction, AUC = 0.9508
Mean distance between inserts, AUC = 0.9482
PCA, AUC = 0.9589

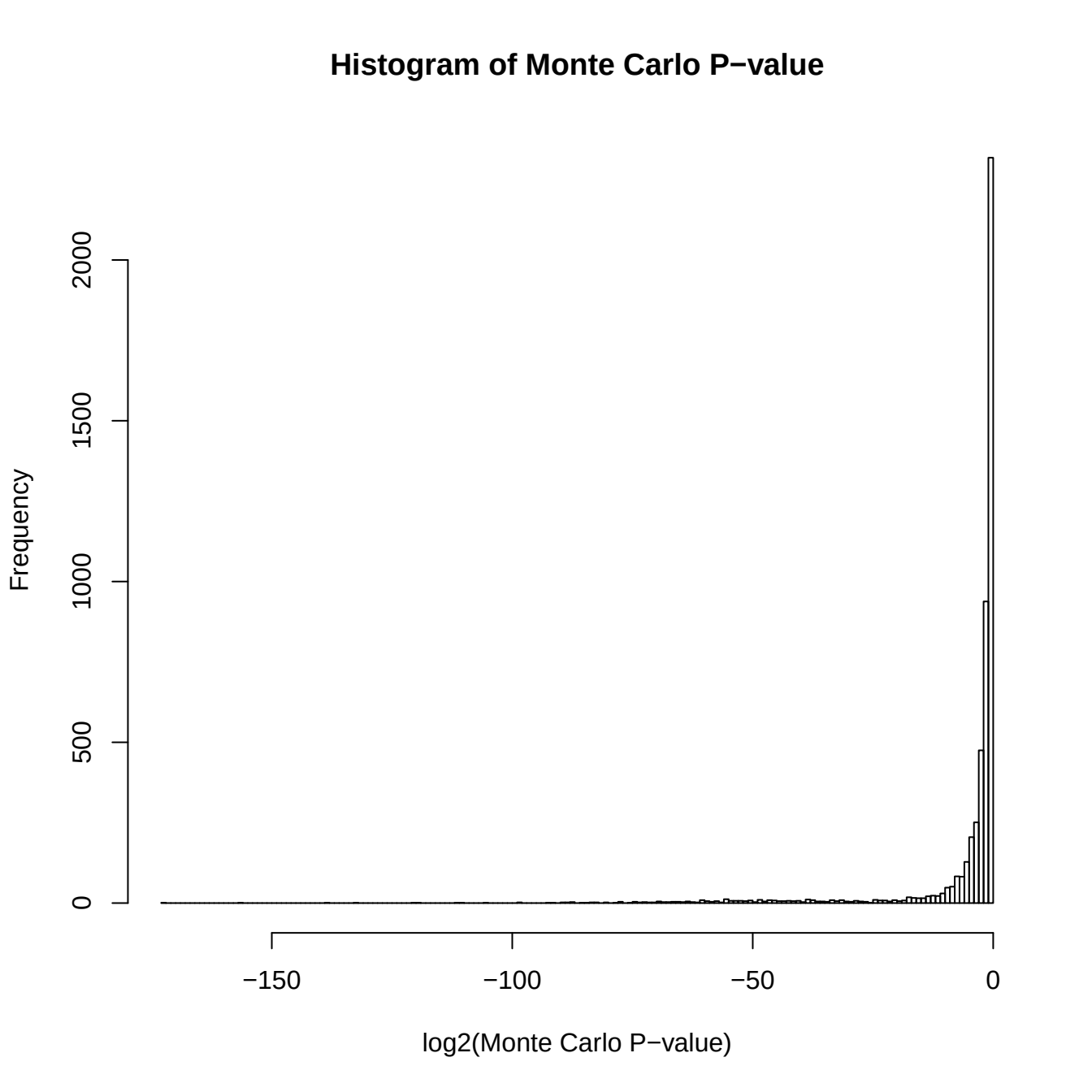

Essential
Non−essential
Monte Carlo logfoldchange
BioTraDIS logodds
8
6
4
2
0
−2
−4
0
50
100
150
200
250
300

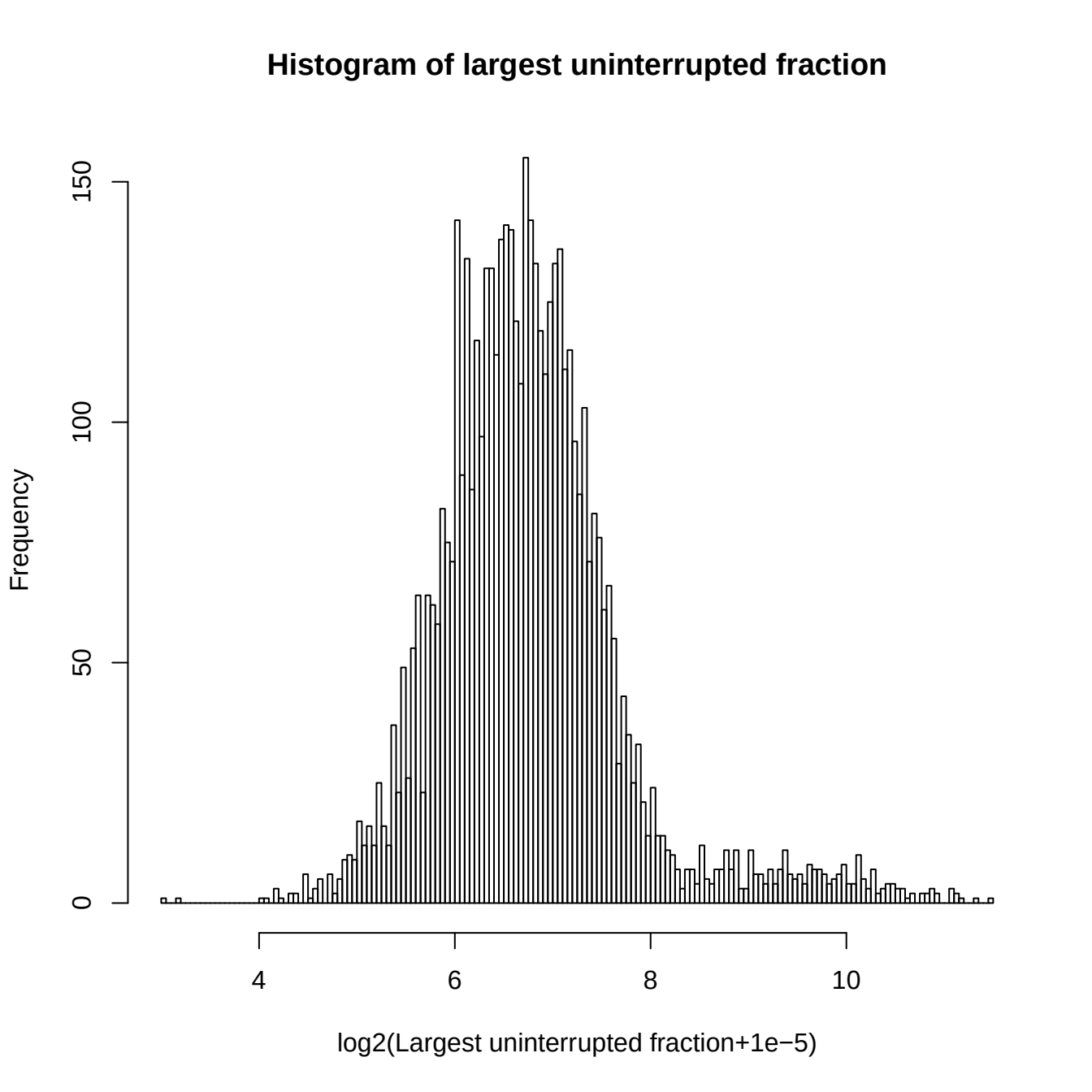

log2(Monte Carlo P−value)
0
−50
−100
−150
0
50
100
150
200
250
300
BioTraDIS logodds
Essential
Non−essential

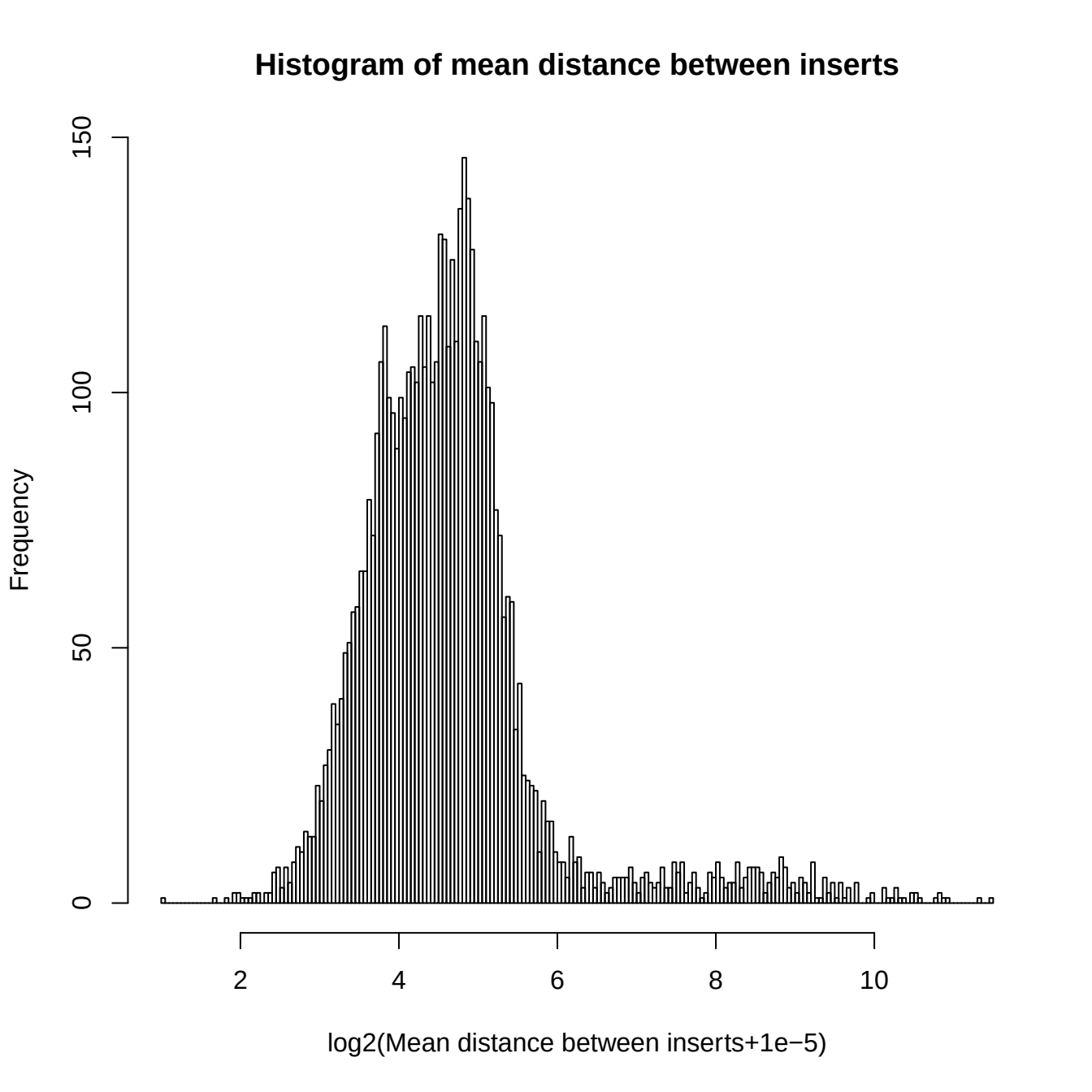
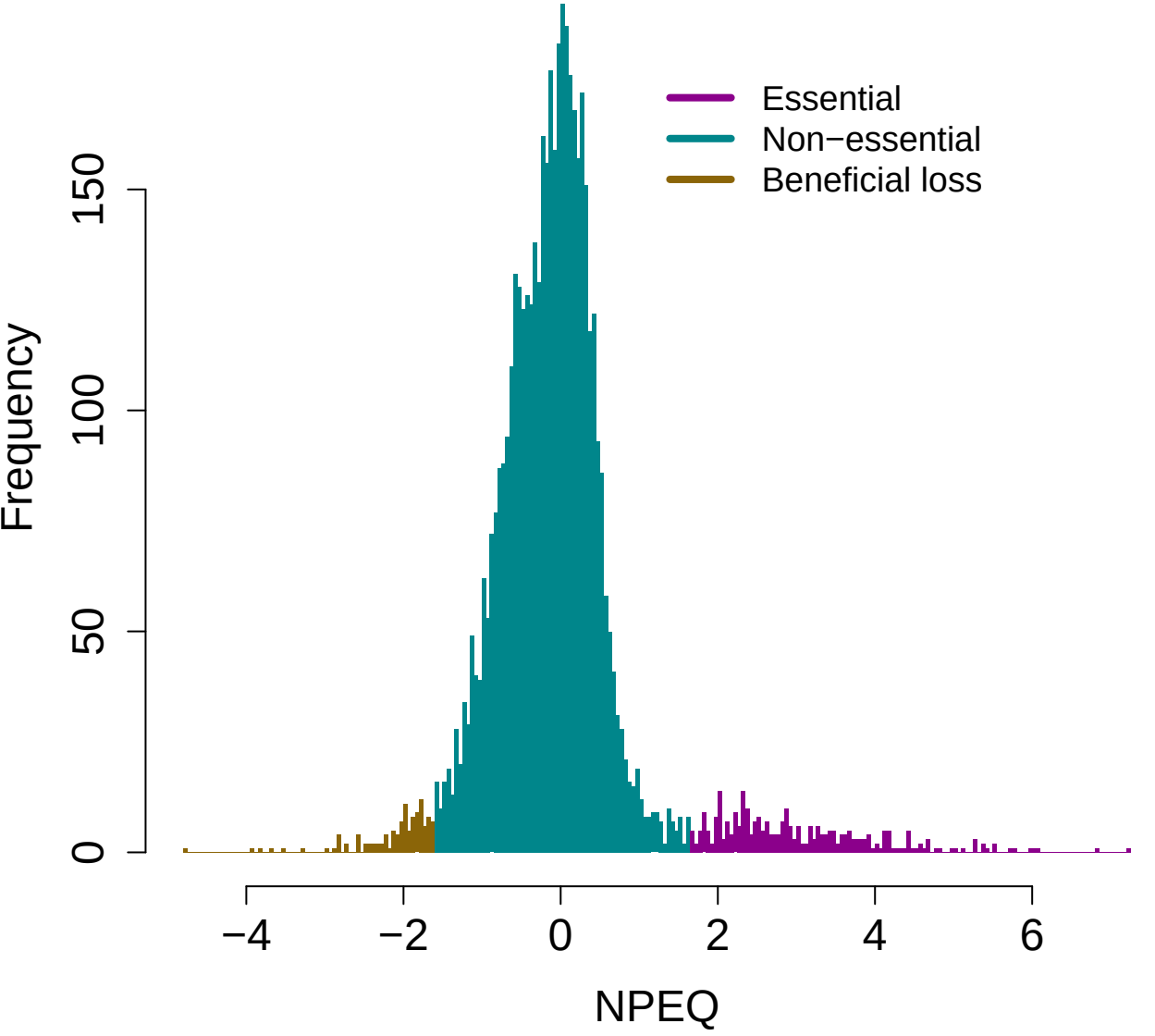

Monte Carlo DESeq LFC Distances
Monte Carlo DESeq LFC
2
0
−2
−4
−6
−8
−10
−8
−6
−4
−2
0
2
4
Essential
Non−essential


Essential
Non−essential
Monte Carlo DESeq FC Distances
Monte Carlo DESeq FC
0
1
2
3
4
0
5
10
15
20


Histogram of Monte Carlo logFC
Frequency
0
50
100
150
200
−4
−2
0
2
4
6
8
Monte Carlo logFC


Histogram of Monte Carlo P−value
Frequency
0
500
1000
1500
2000
−150
−100
−50
0
log2(Monte Carlo P−value)


Histogram of largest uninterrupted fraction
Frequency
0
50
100
150
4
6
8
10
log2(Largest uninterrupted fraction+1e−5)


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

Klebsiella pneumoniae Ecl8