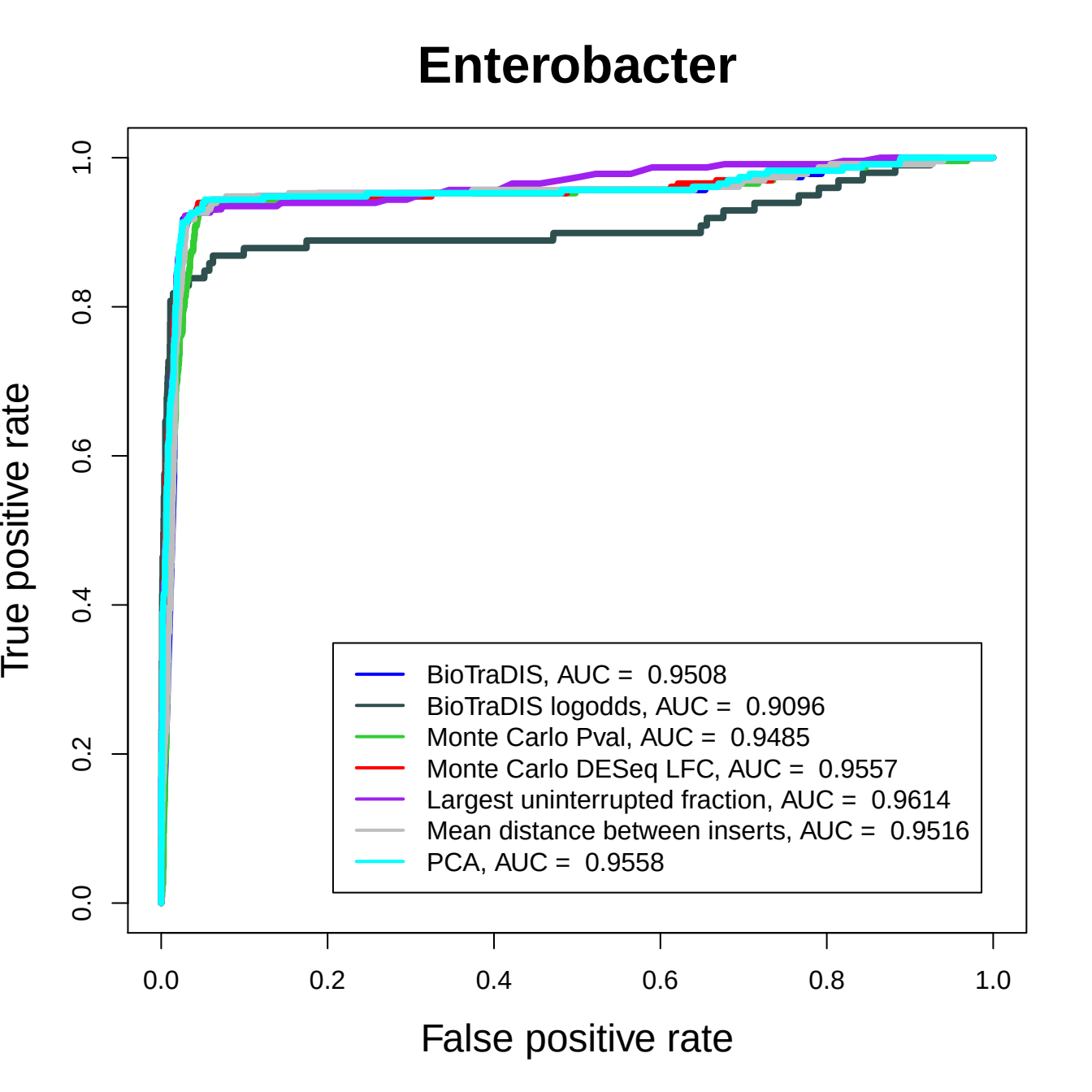
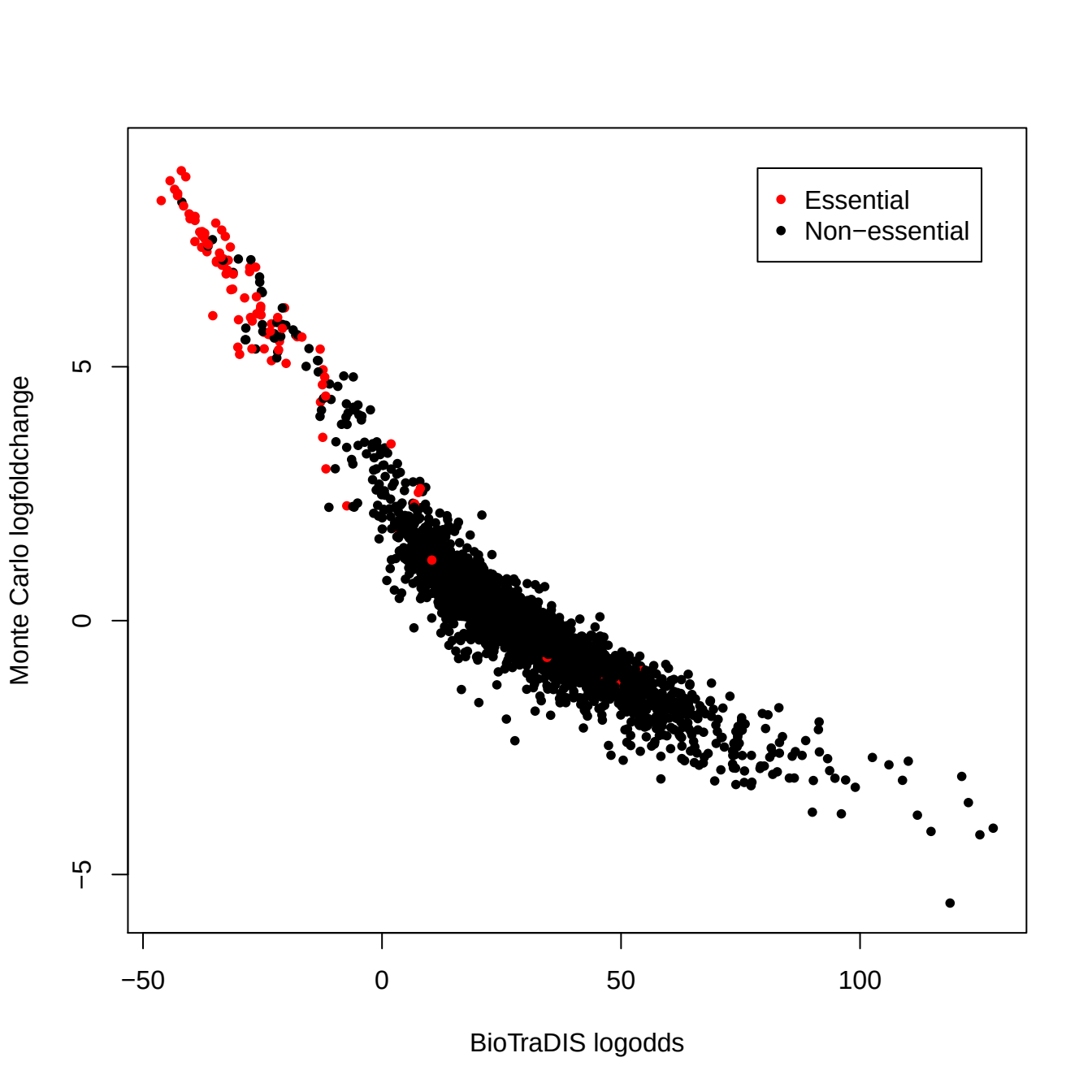
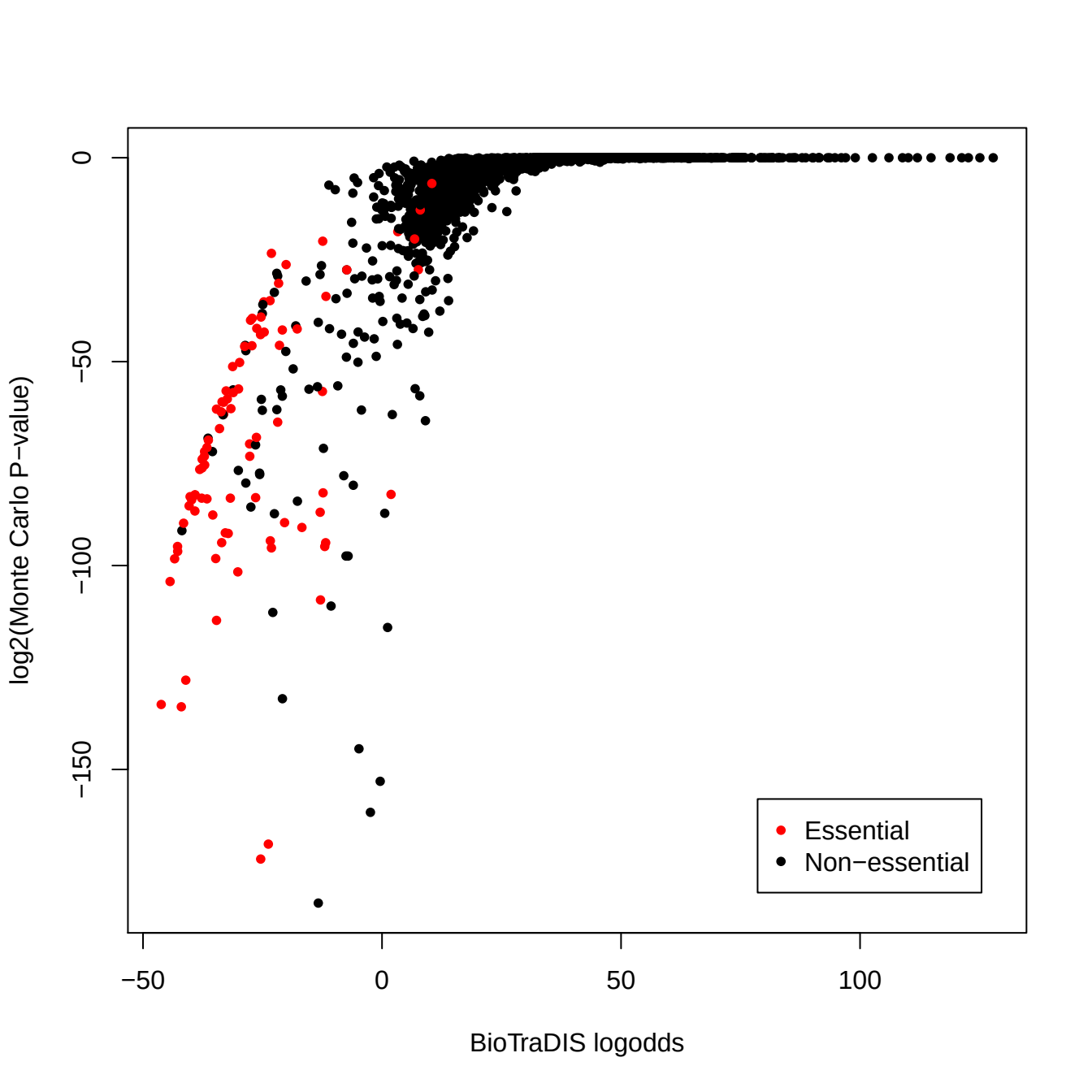
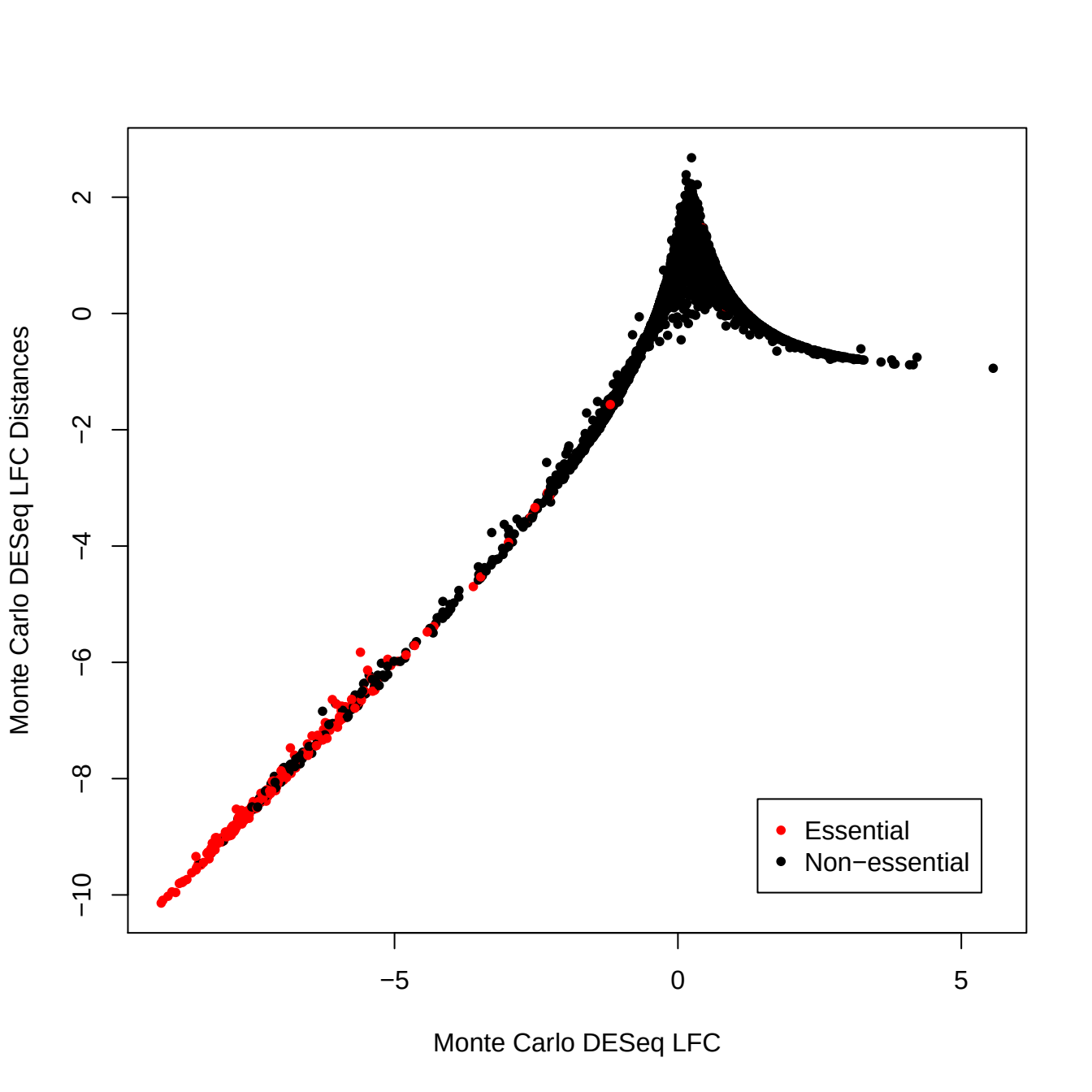
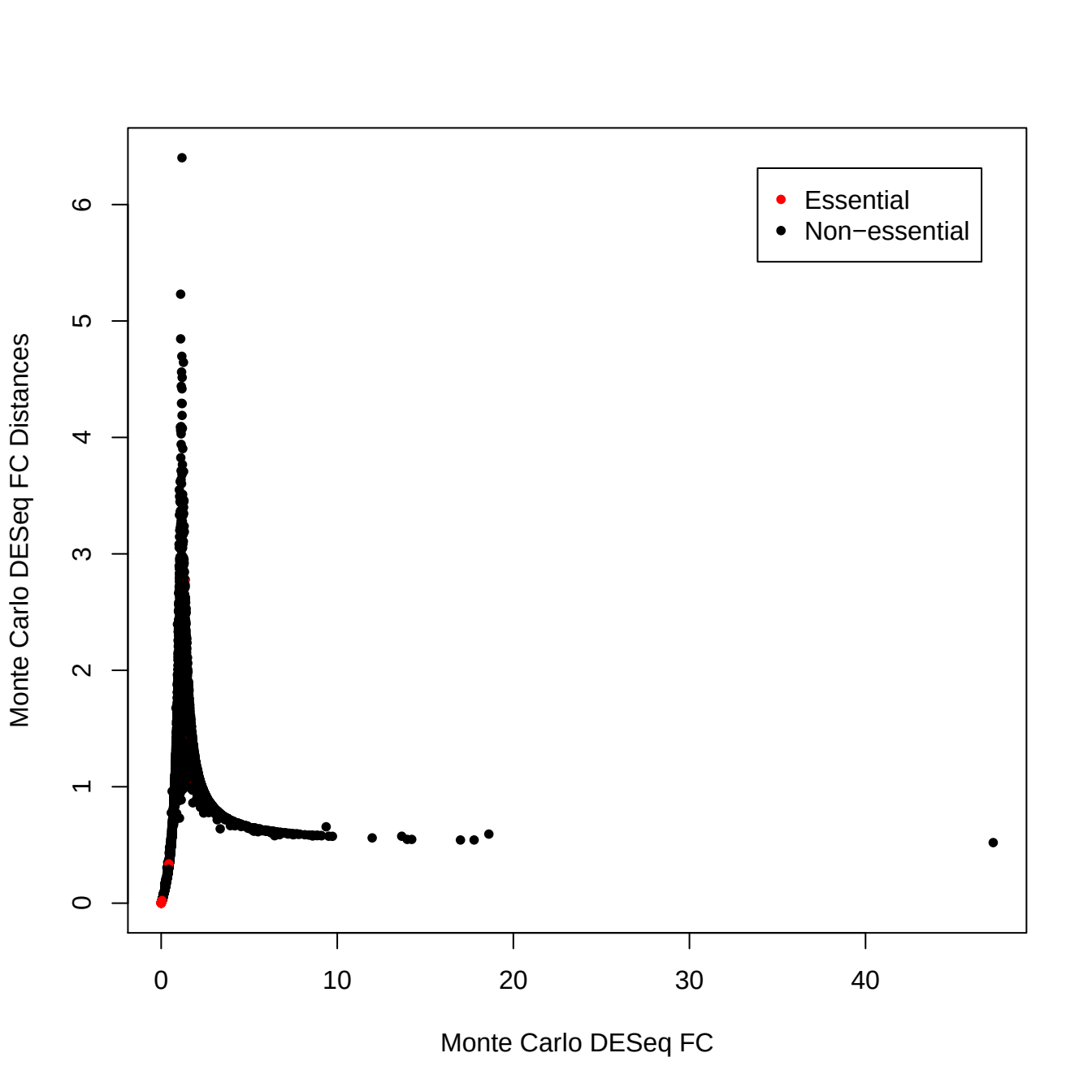
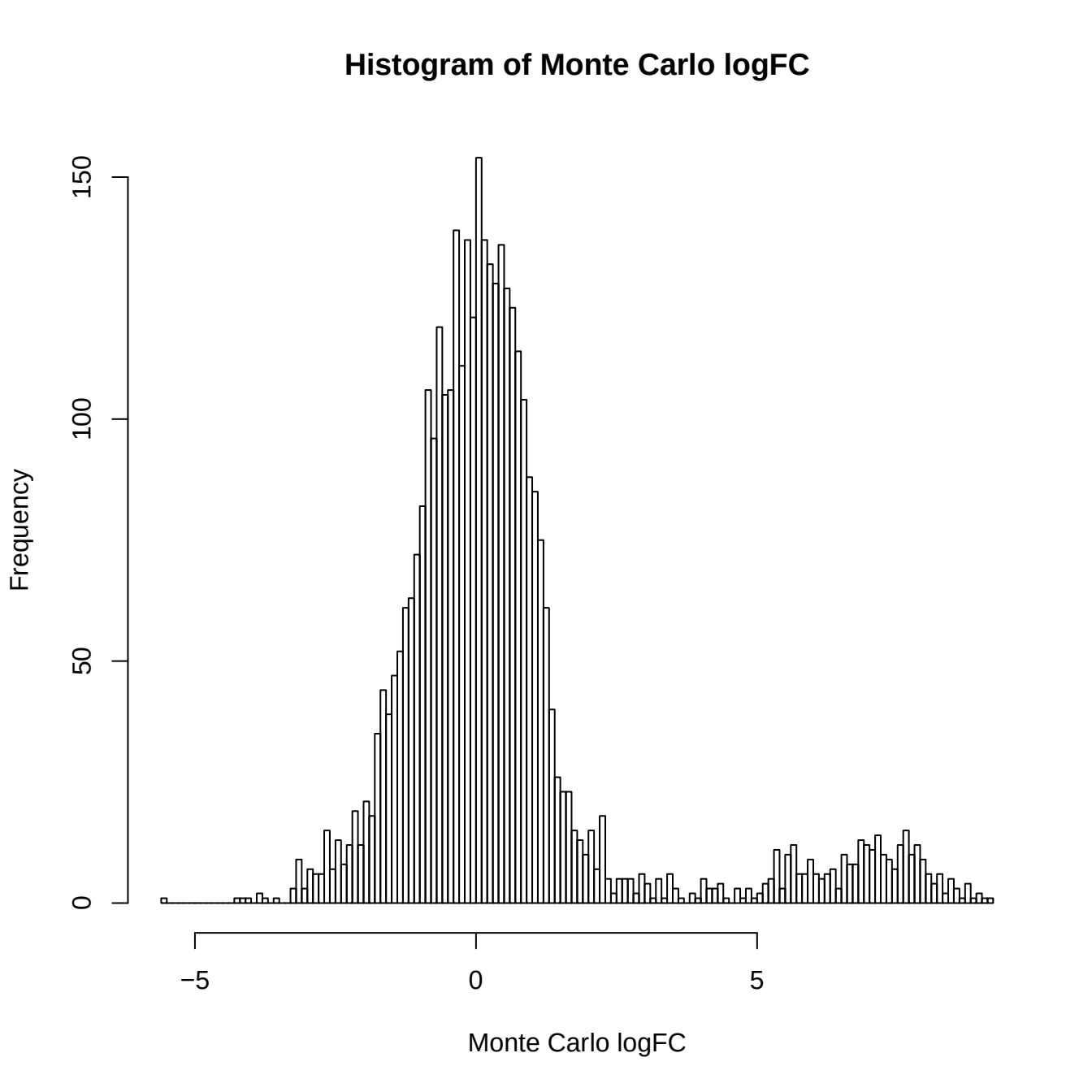

Enterobacter
True positive rate
False positive rate
0.0
0.2
0.4
0.6
0.8
1.0
BioTraDIS, AUC = 0.9508
BioTraDIS logodds, AUC = 0.9096
Monte Carlo Pval, AUC = 0.9485
Monte Carlo DESeq LFC, AUC = 0.9557
Largest uninterrupted fraction, AUC = 0.9614
Mean distance between inserts, AUC = 0.9516
PCA, AUC = 0.9558

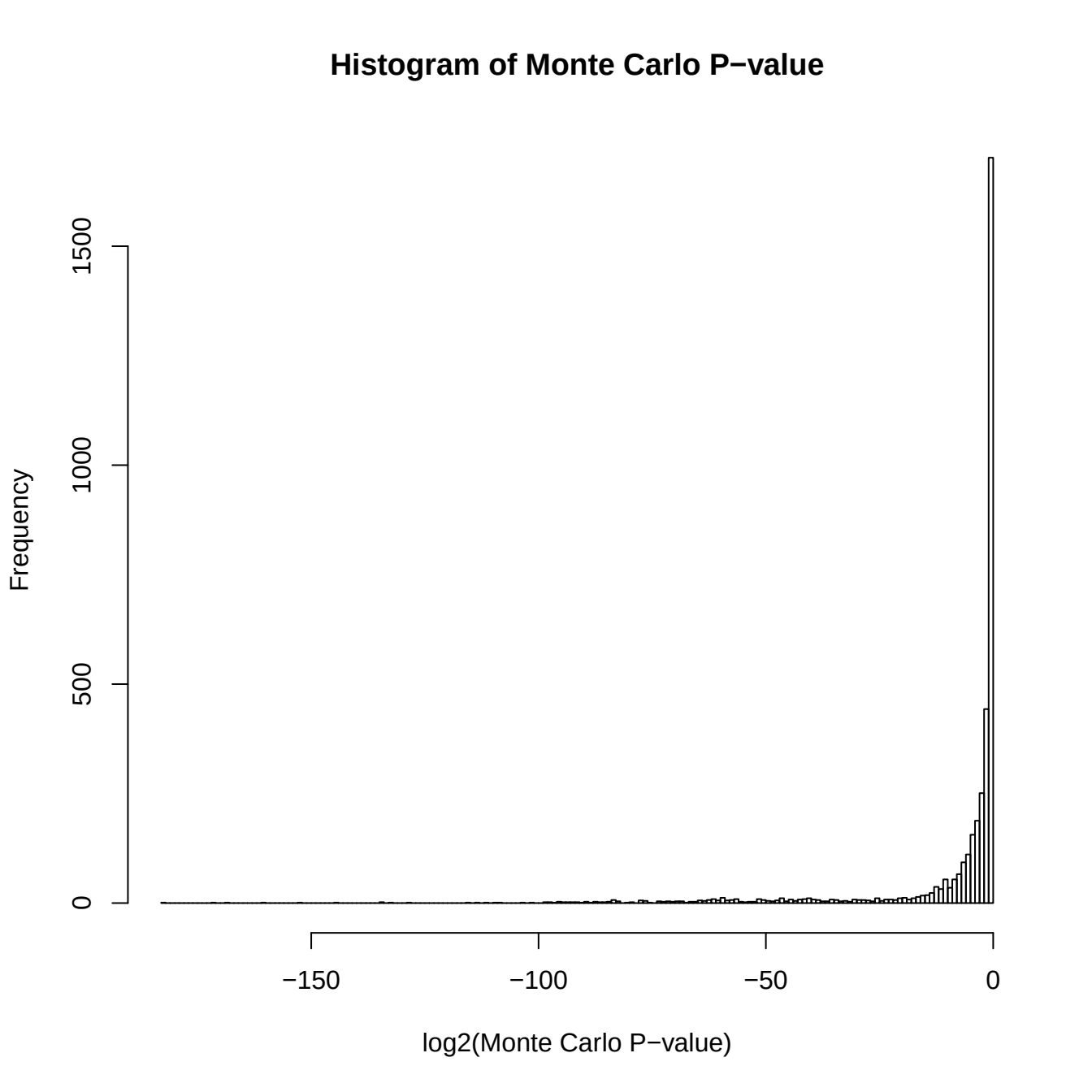

Essential
Non−essential
Monte Carlo logfoldchange
5
0
−5
−50
0
50
100
BioTraDIS logodds

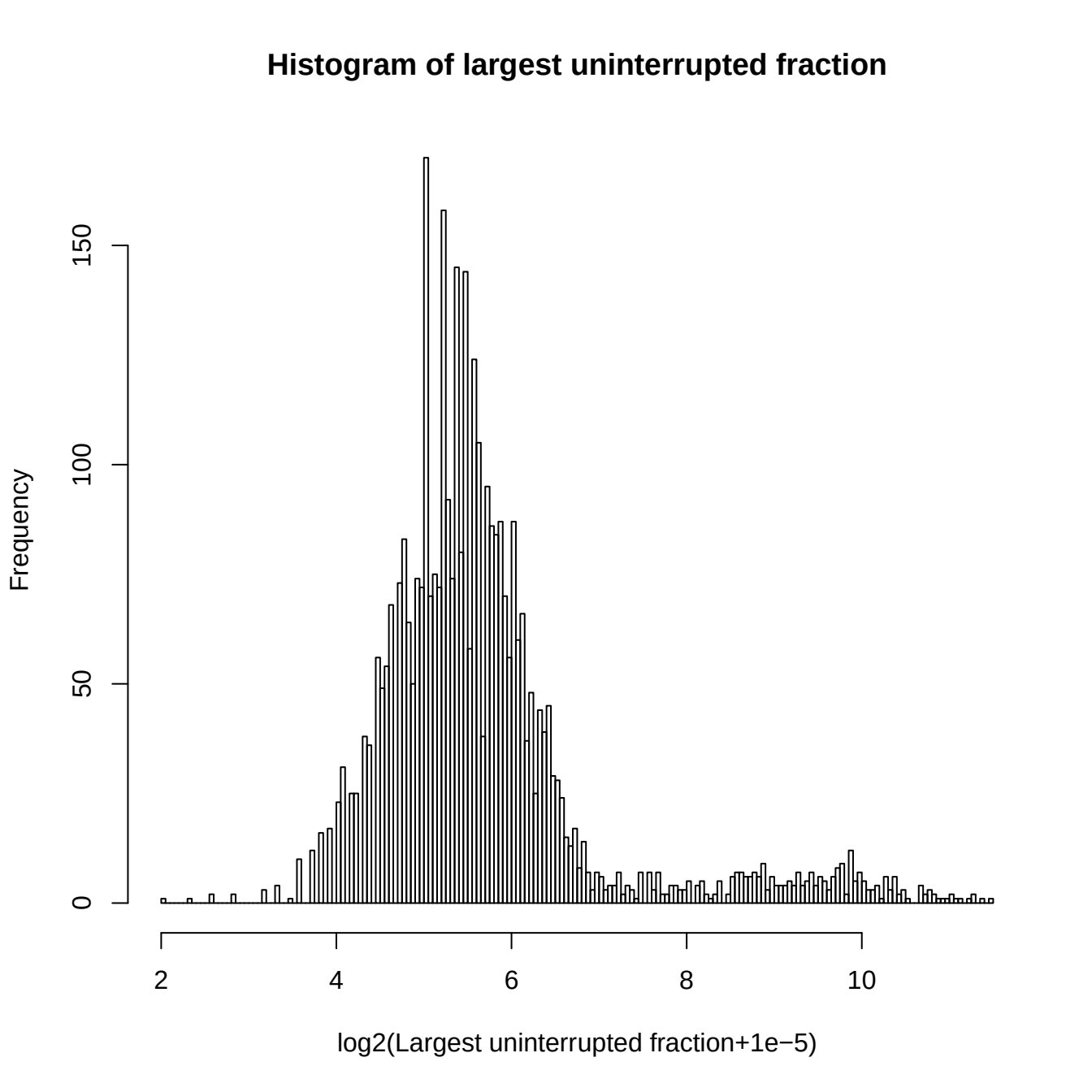

log2(Monte Carlo P−value)
0
−50
−100
−150
−50
0
50
100
BioTraDIS logodds
Essential
Non−essential

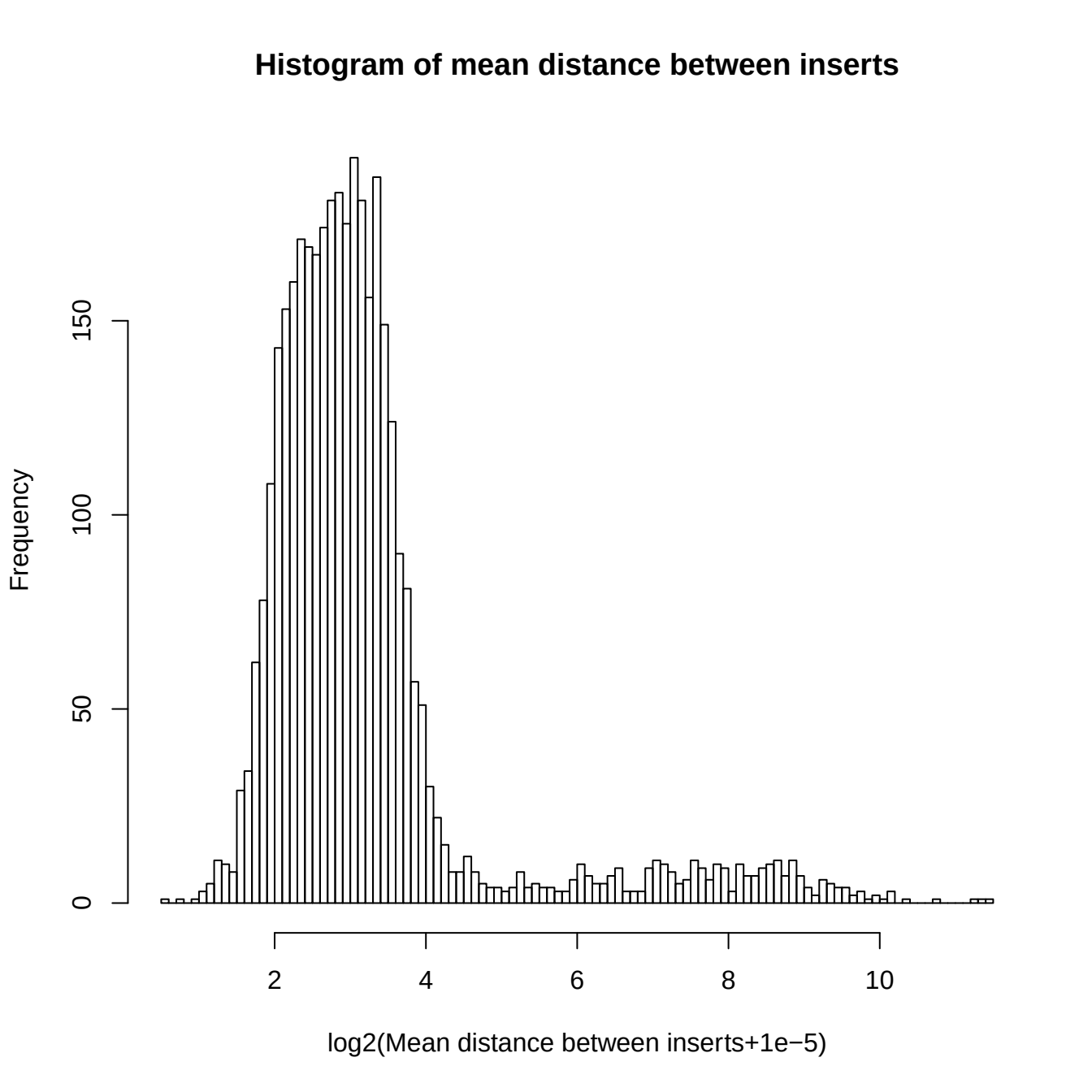

Monte Carlo DESeq LFC Distances
2
0
−2
−4
−6
−8
−10
−5
0
5
Monte Carlo DESeq LFC
Essential
Non−essential

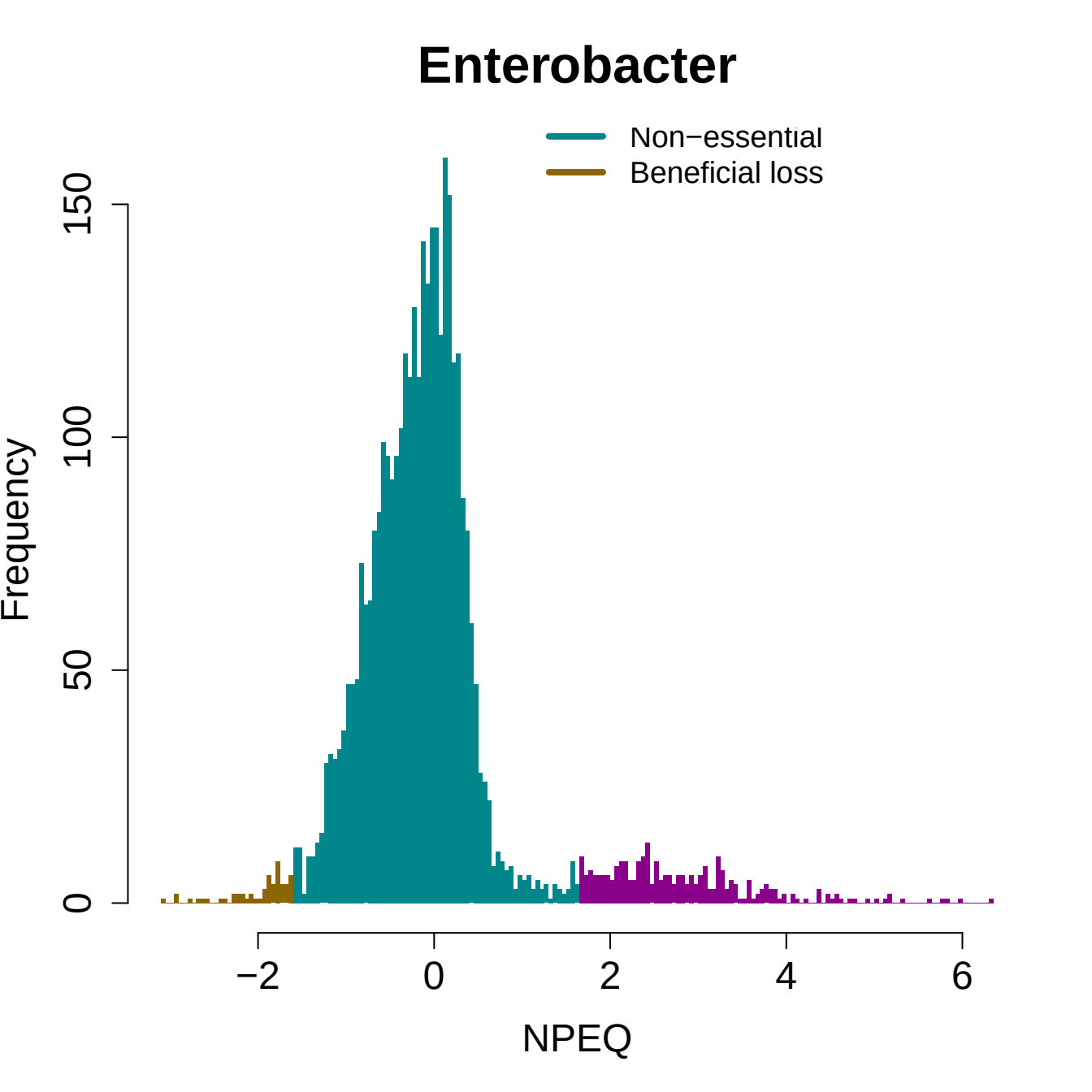

Essential
Non−essential
Monte Carlo DESeq FC Distances
Monte Carlo DESeq FC
0
1
2
3
4
5
6
0
10
20
30
40


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


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


Histogram of largest uninterrupted fraction
Frequency
0
50
100
150
2
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)


Enterobacter
Non−essential
Beneficial loss
Frequency
0
50
100
150
−2
0
2
4
6
NPEQ