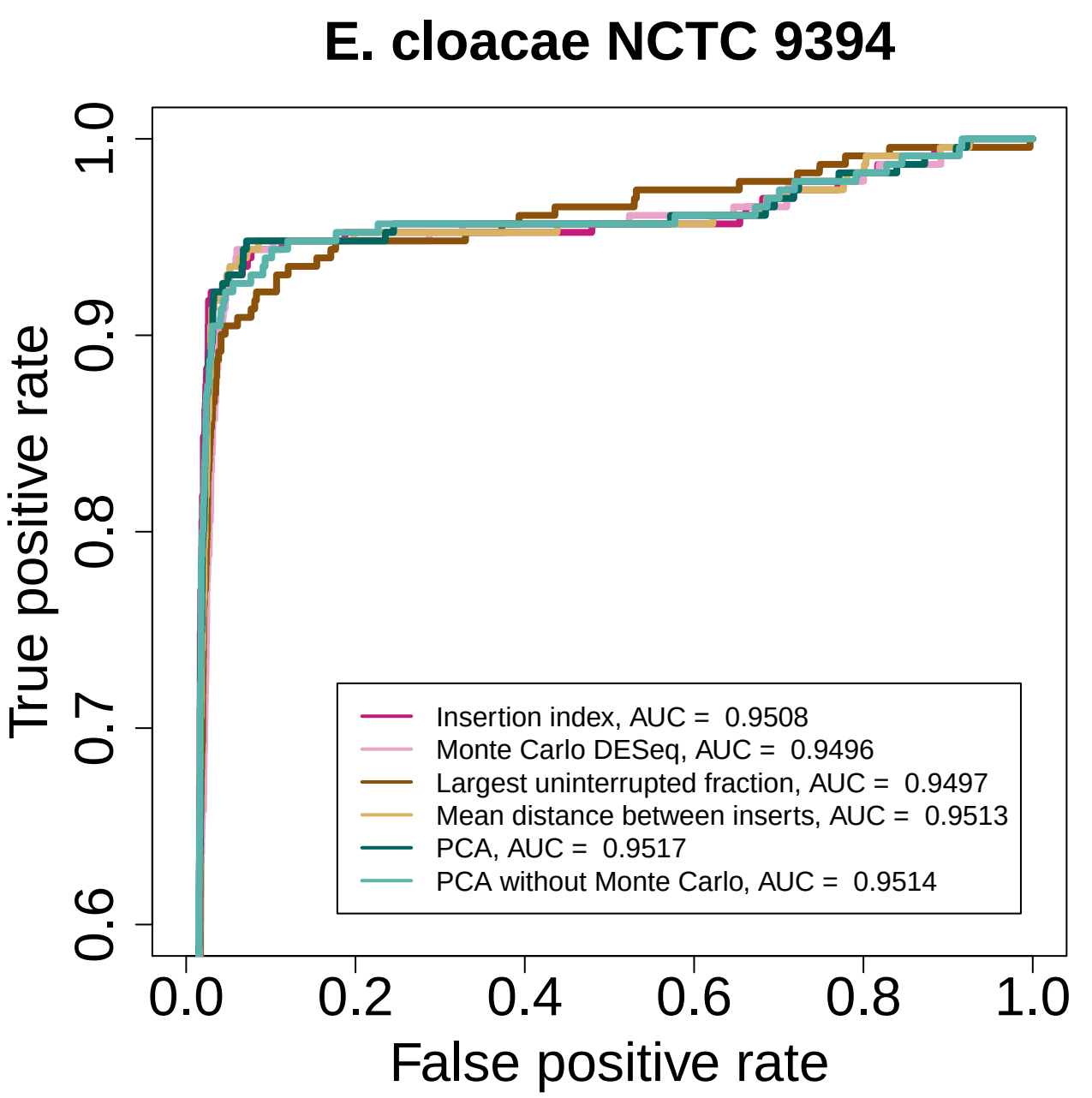
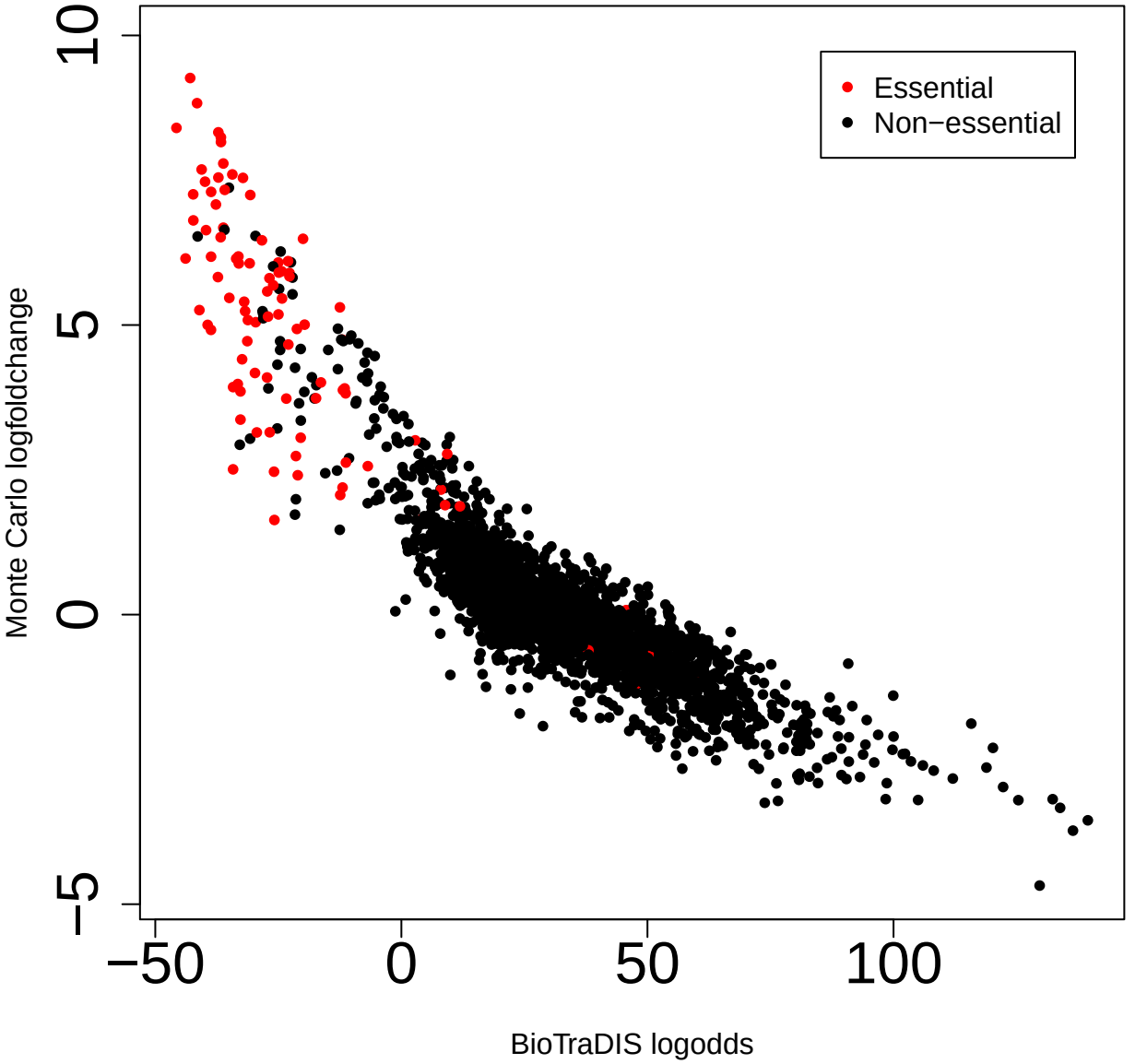
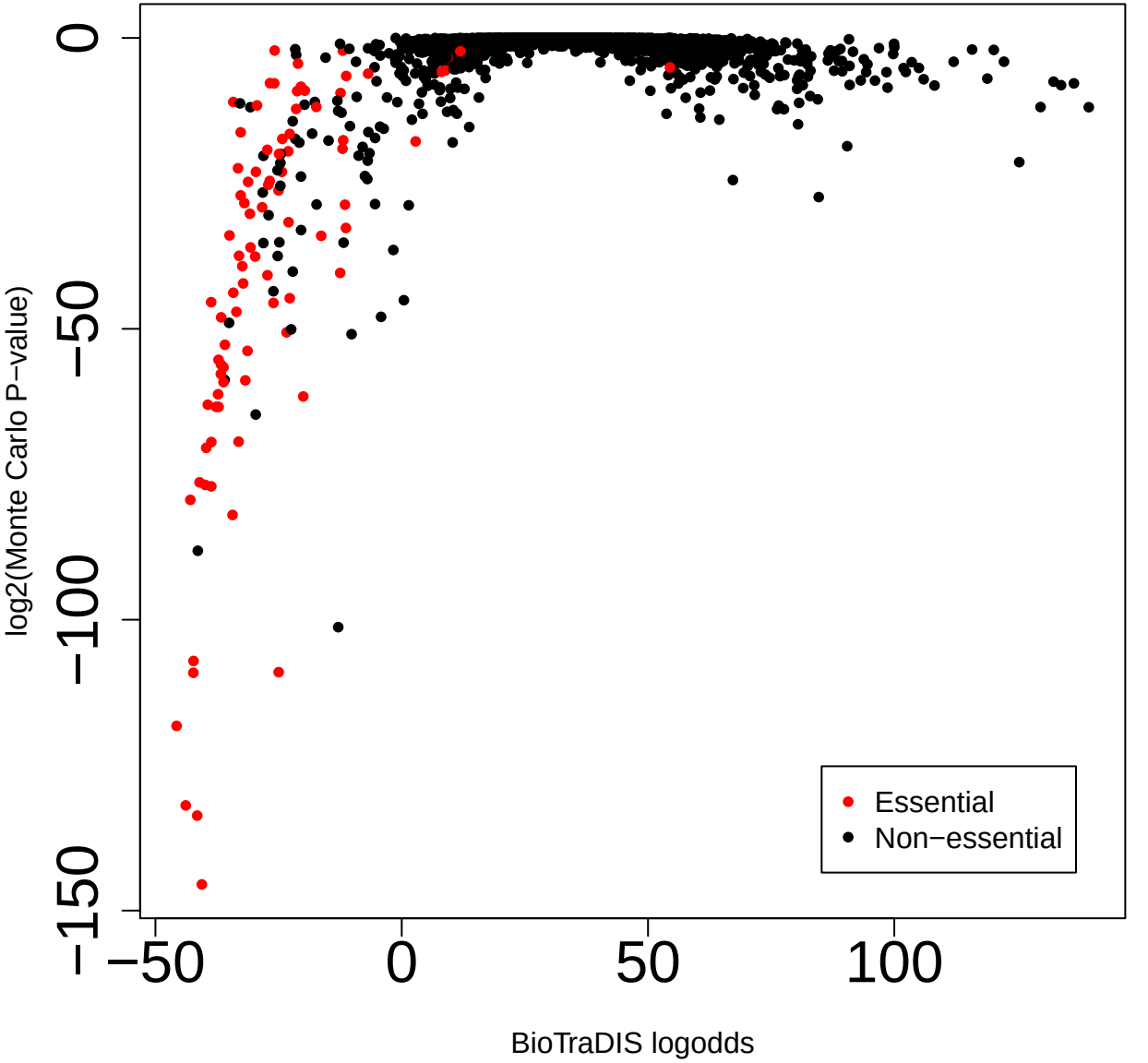
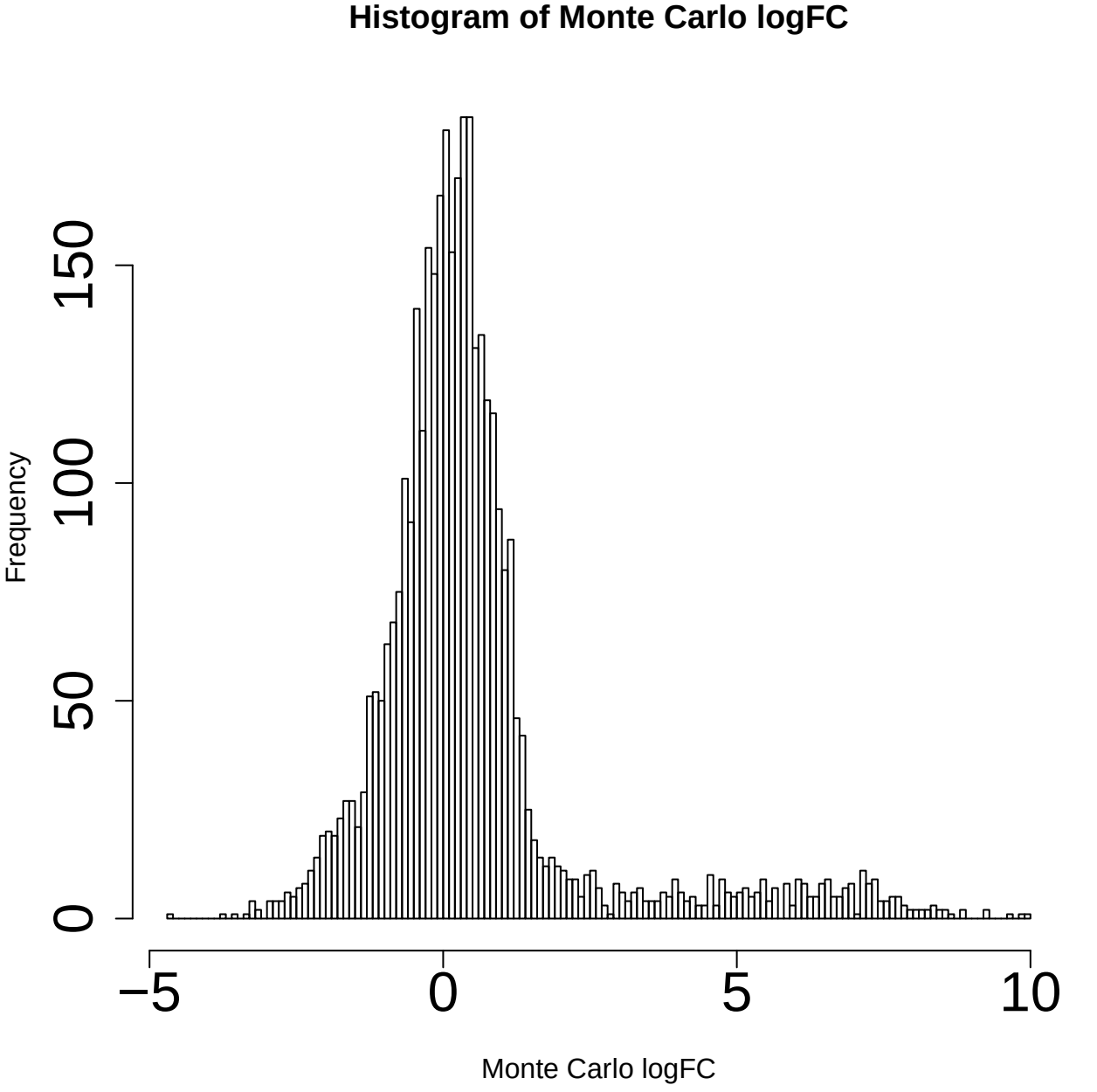
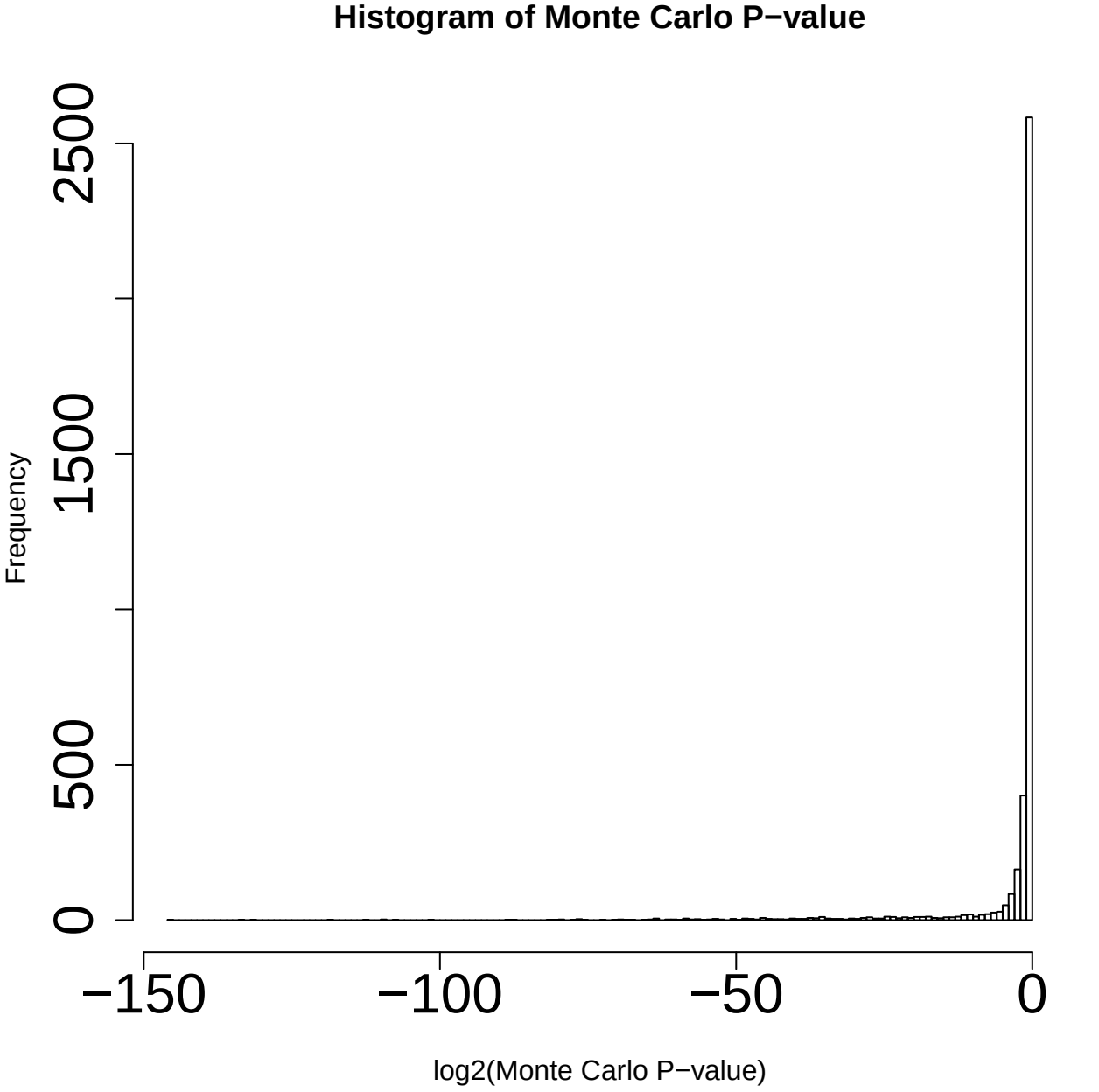
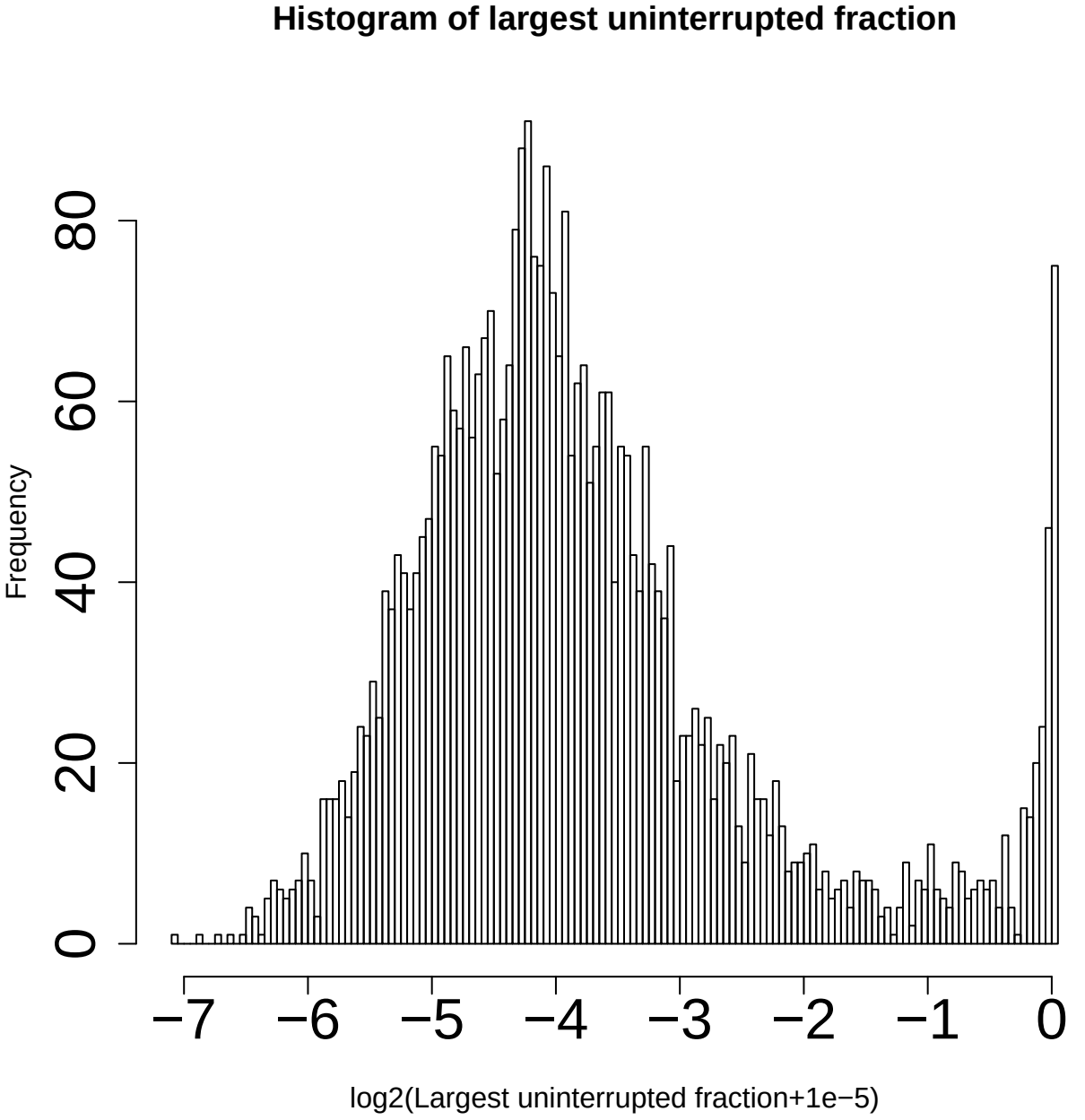

E. cloacae NCTC 9394
True positive rate
False positive rate
0.6
0.7
0.8
0.9
1.0
0.0
0.2
0.4
0.6
0.8
1.0
Insertion index, AUC = 0.9508
Monte Carlo DESeq, AUC = 0.9496
Largest uninterrupted fraction, AUC = 0.9497
Mean distance between inserts, AUC = 0.9513
PCA, AUC = 0.9517
PCA without Monte Carlo, AUC = 0.9514

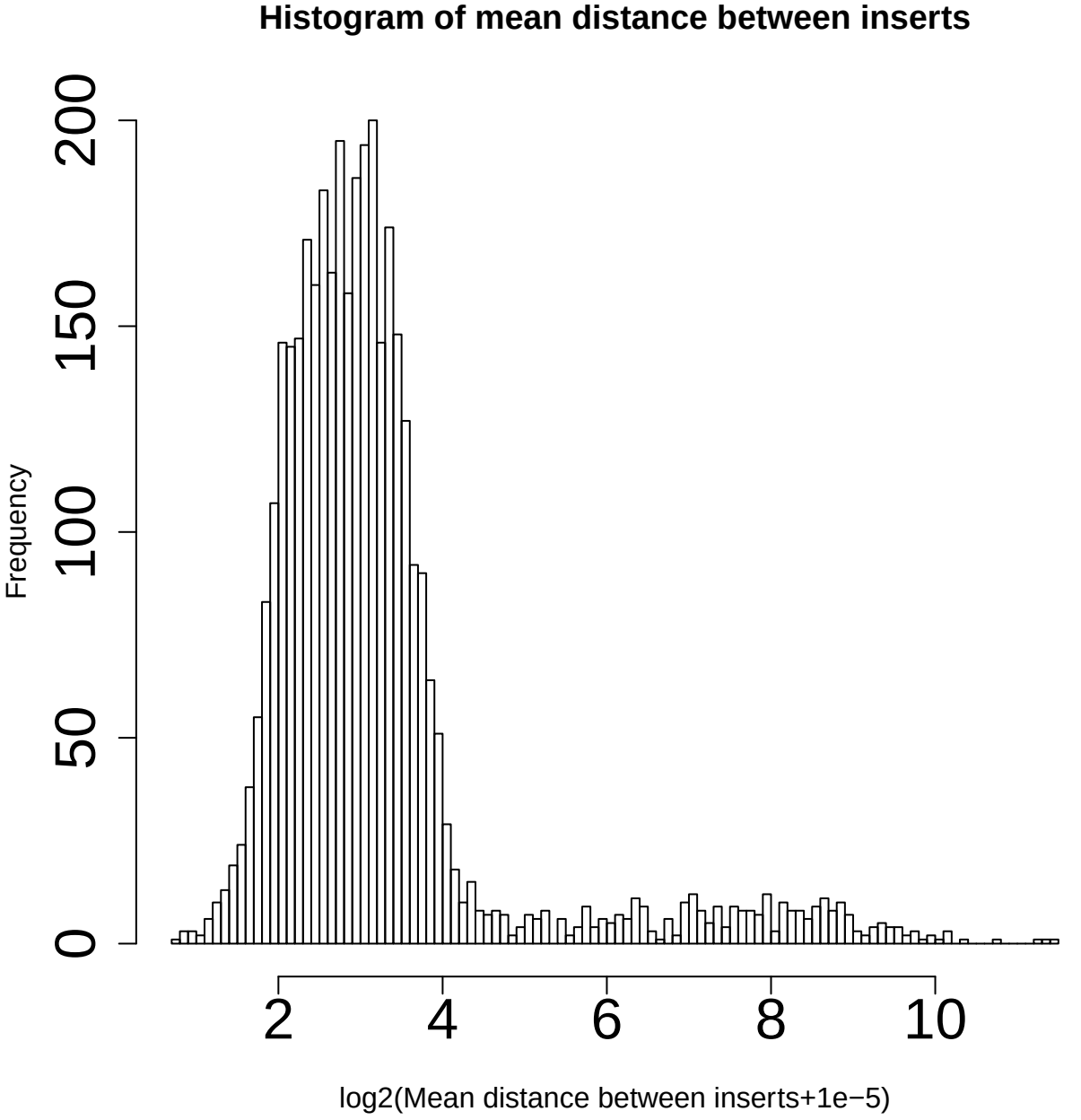

Essential
Non−essential
Monte Carlo logfoldchange
BioTraDIS logodds
10
5
0
−5
−50
0
50
100

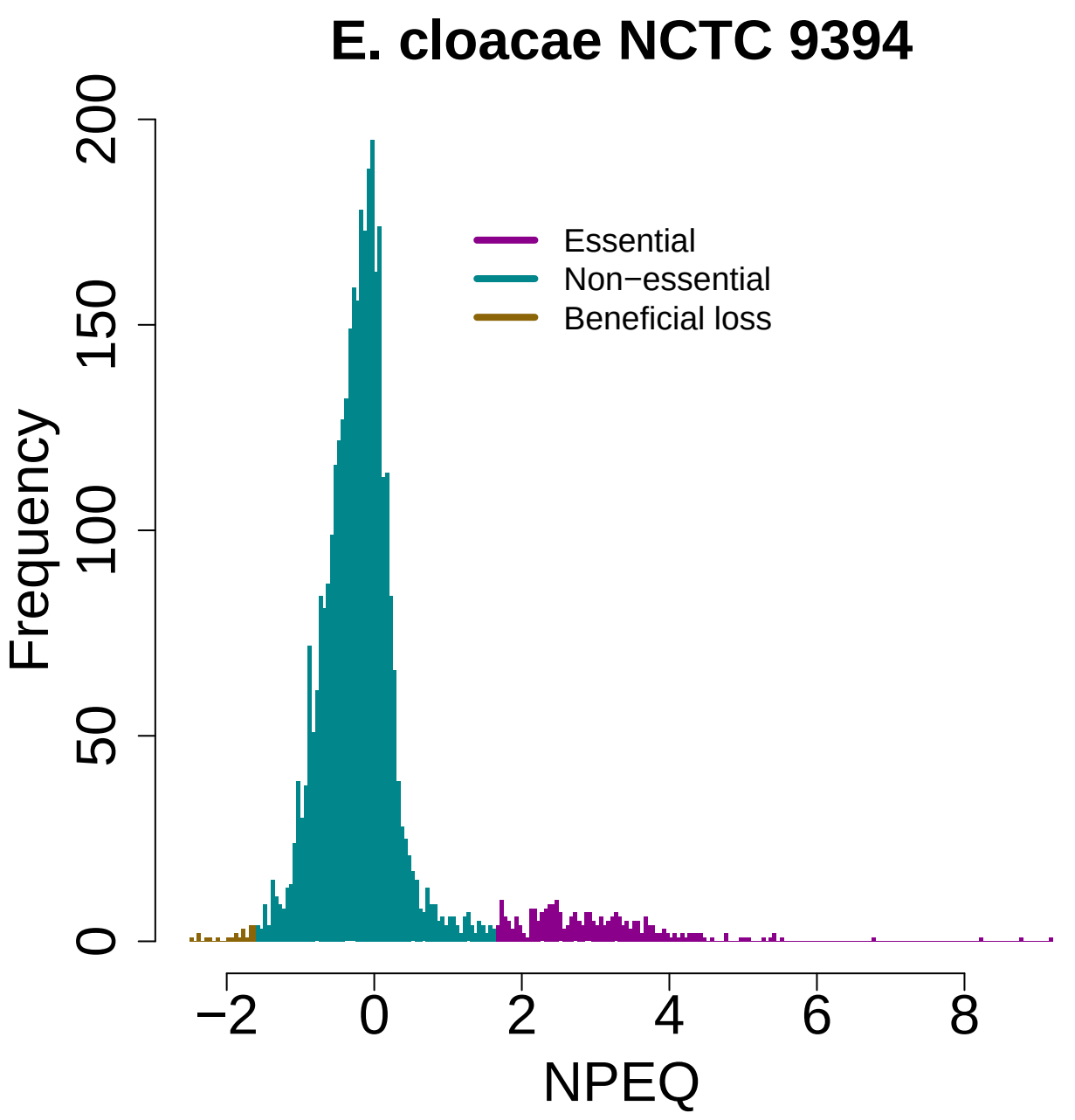

0
−50
−100
−150
log2(Monte Carlo P−value)
−50
0
50
100
BioTraDIS logodds
Essential
Non−essential


Histogram of Monte Carlo logFC
Frequency
0
50
100
150
−5
0
5
10
Monte Carlo logFC


Histogram of Monte Carlo P−value
Frequency
0
500
1500
2500
−150
−100
−50
0
log2(Monte Carlo P−value)


Histogram of largest uninterrupted fraction
Frequency
0
20
40
60
80
−7
−6
−5
−4
−3
−2
−1
0
log2(Largest uninterrupted fraction+1e−5)


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


E. cloacae NCTC 9394
Frequency
0
50
100
150
200
Essential
Non−essential
Beneficial loss
−2
0
2
4
6
8
NPEQ