A
Mean Hamming dist. to closest natural sequence
0.00
0.05
0.10
0.15
0.20
0.25
0.30
0.35
0.40
p = 0.1
p = 0.2
p = 0.3
p = 0.4
p = 0.5
p = 0.6
B
Mean MI between synthetic and natural columns
0.5
1.0
1.5
2.0
2.5
C
Mean HMMER score
130
140
150
160
170
180
D
Mean statistical energy score
0
10
20
30
40
50
60
E
Mean pairwise Hamming distance
0.60
0.62
0.64
0.66
0.68
0.70
0.72
0.74
0.76
F
MSD of contact map from initial one
0.00
0.02
0.04
0.06
0.08
0
100
200
300
400
500
Iteration number