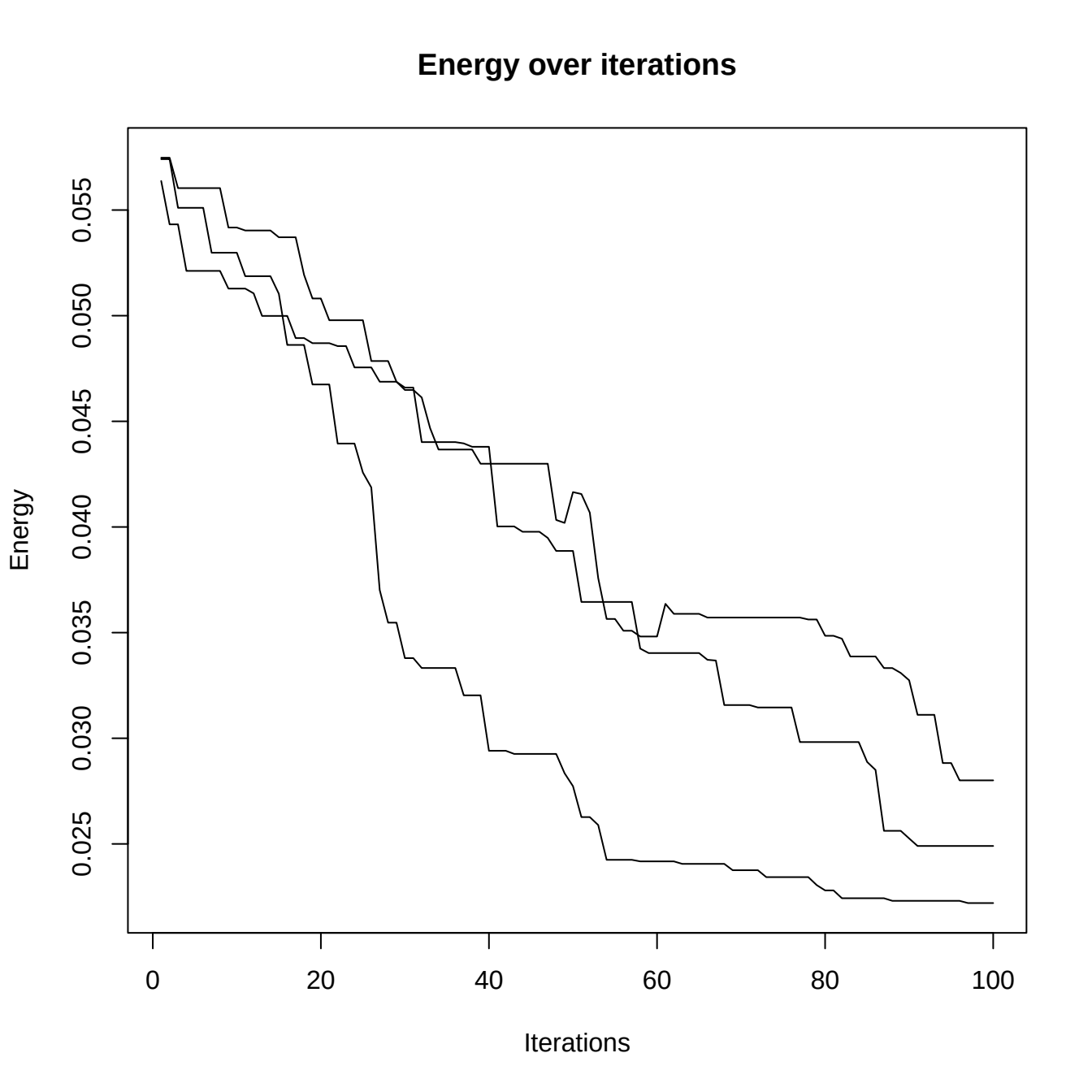
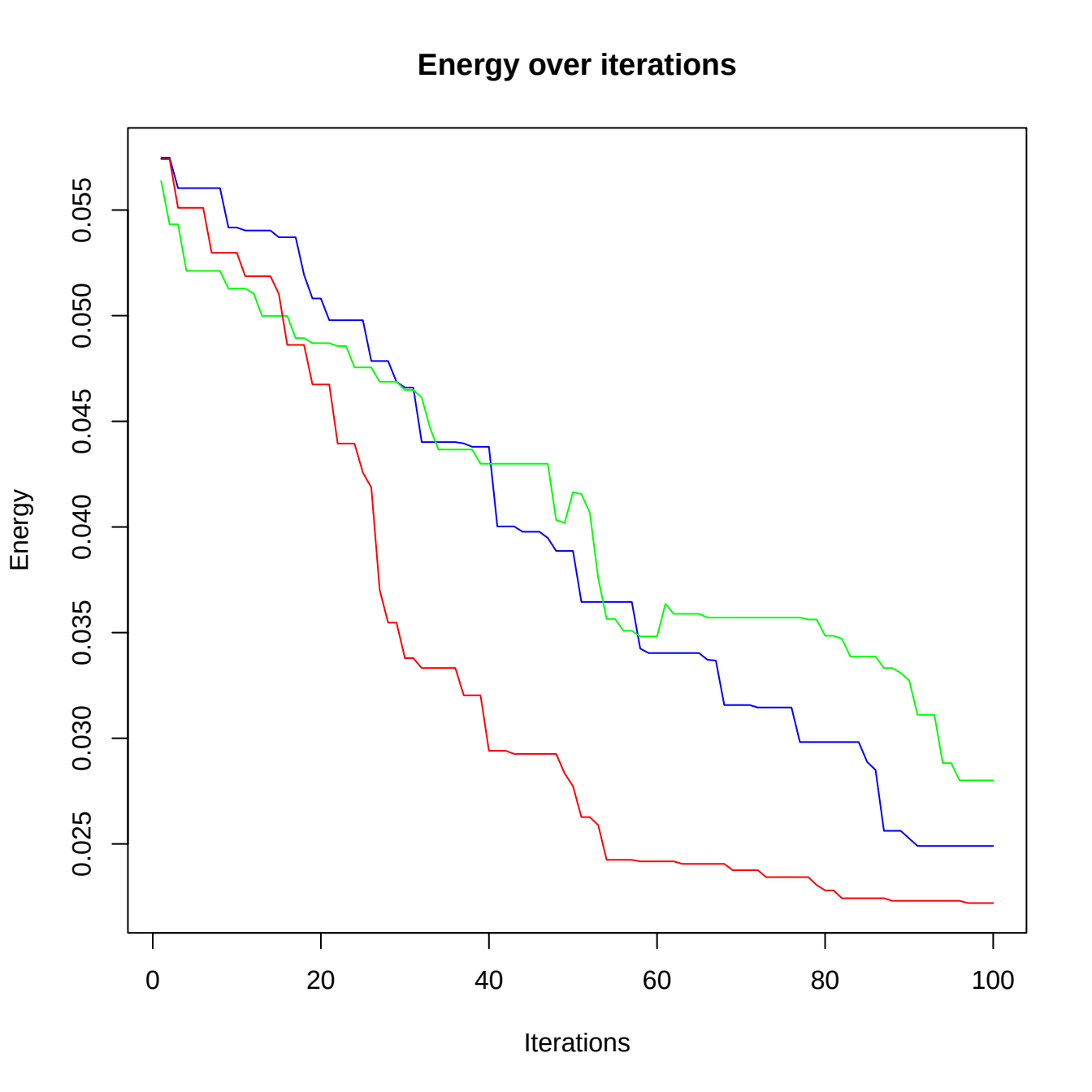
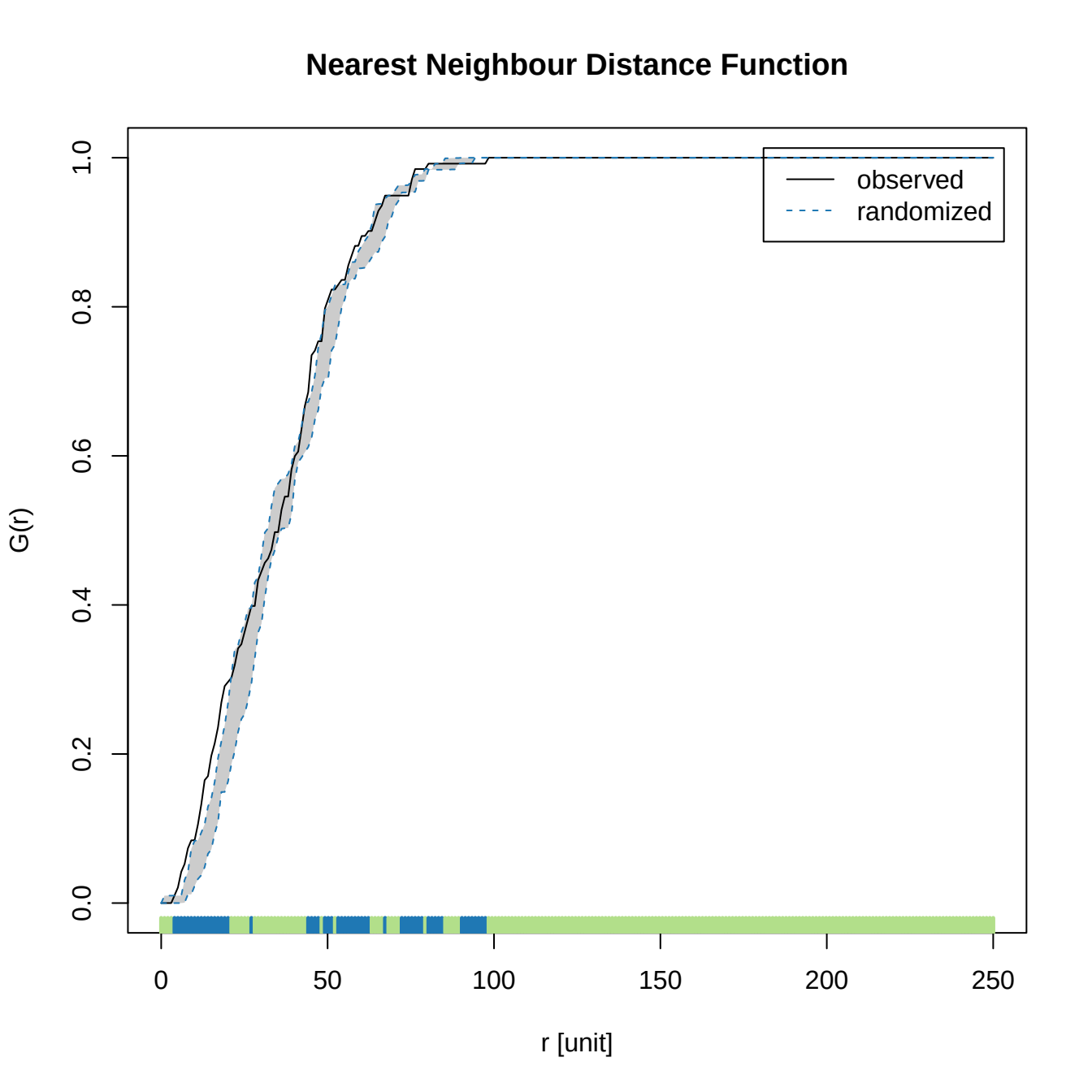
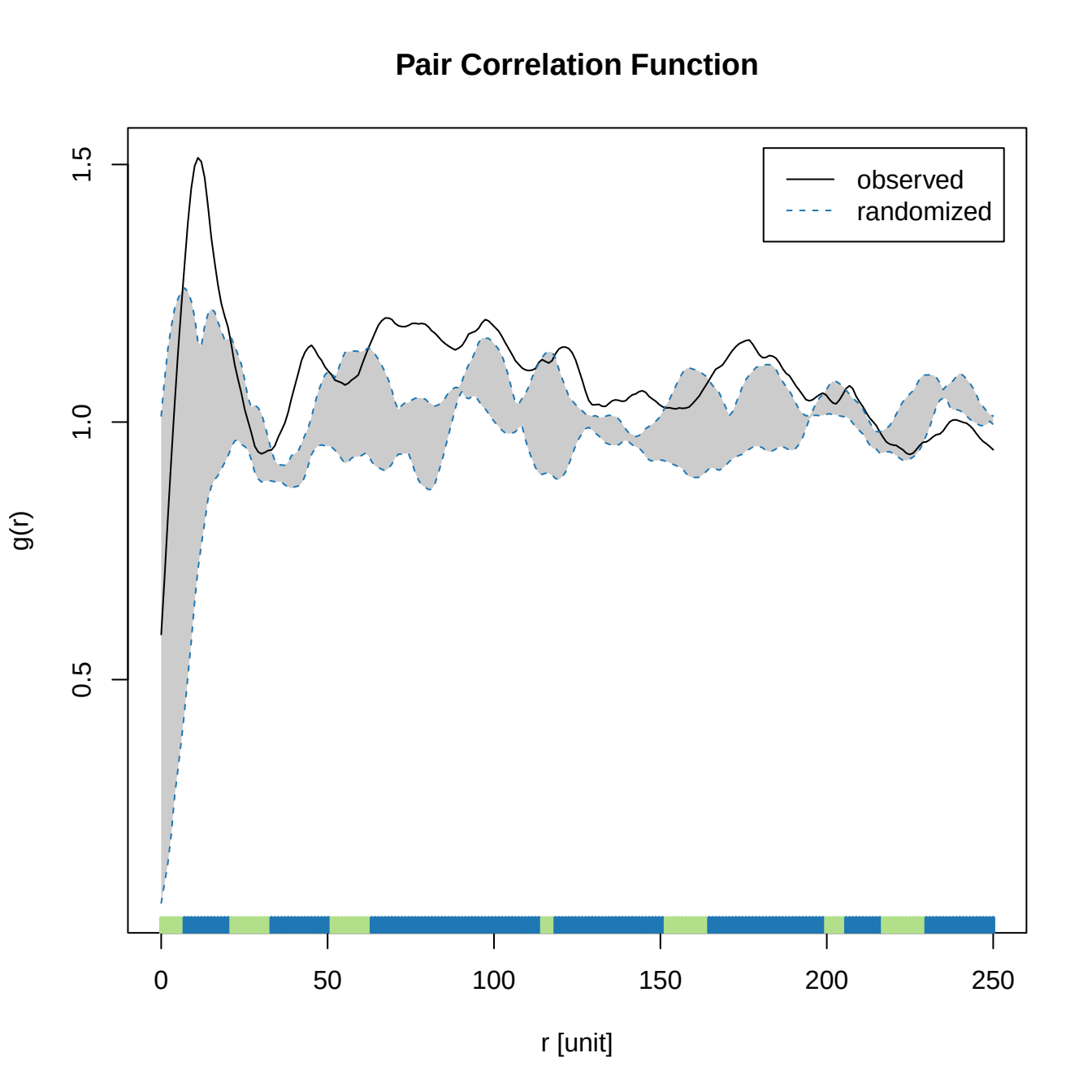
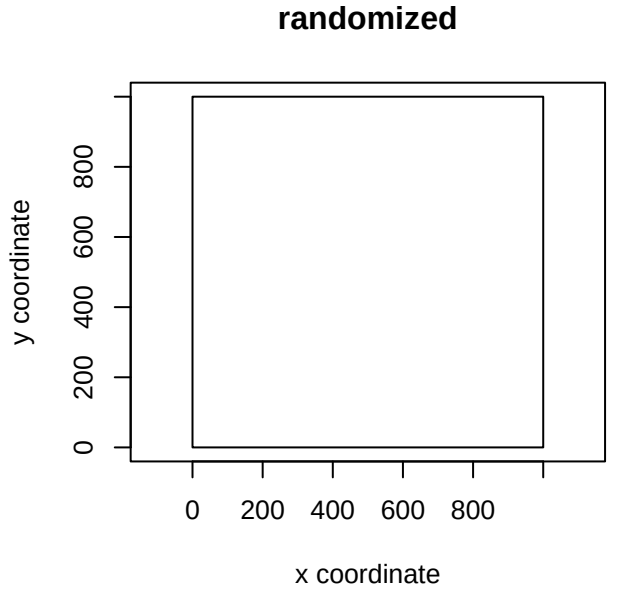
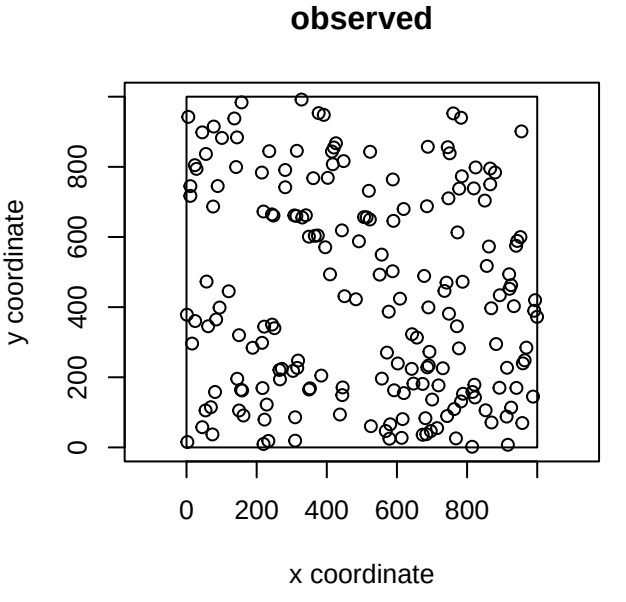

Energy over iterations
Energy
0.025
0.030
0.035
0.040
0.045
0.050
0.055
0
20
40
60
80
100
Iterations

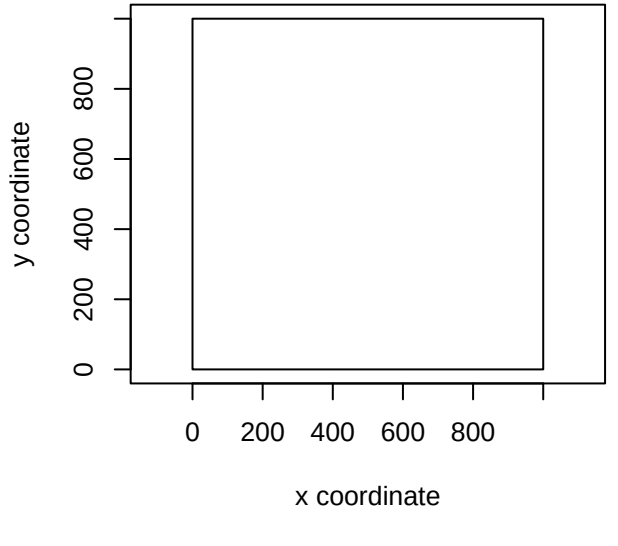

Energy over iterations
Energy
0.025
0.030
0.035
0.040
0.045
0.050
0.055
0
20
40
60
80
100
Iterations

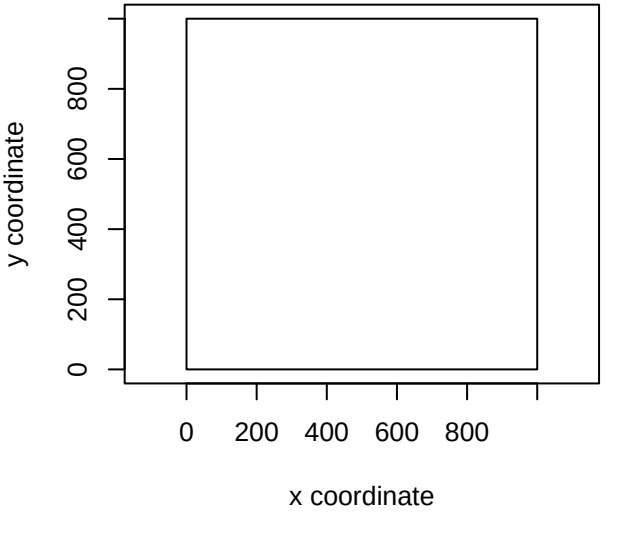

Nearest Neighbour Distance Function
observed
randomized
G(r)
0.0
0.2
0.4
0.6
0.8
1.0
0
50
100
150
200
250
r [unit]

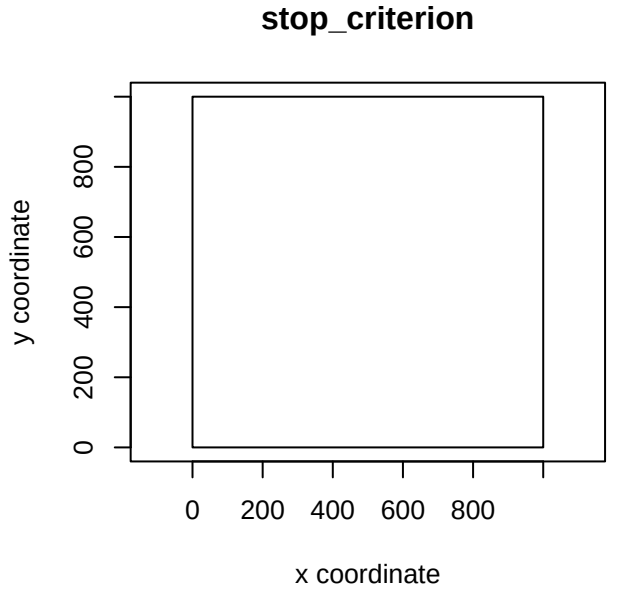

Pair Correlation Function
observed
randomized
g(r)
1.5
1.0
0.5
0
50
100
150
200
250
r [unit]

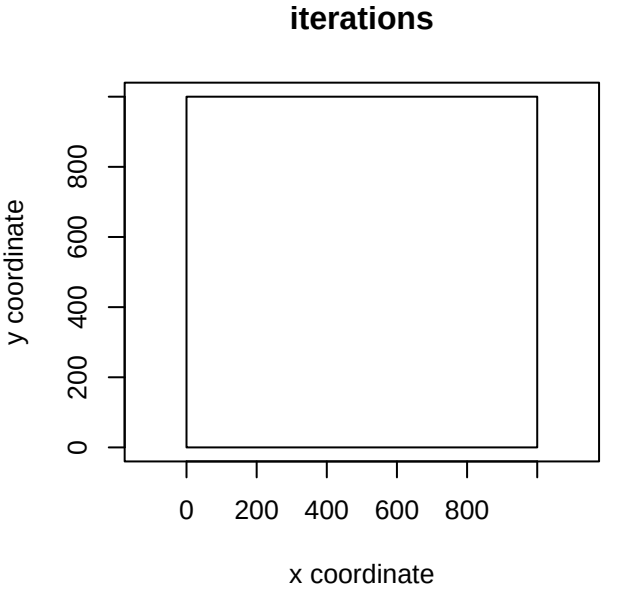

randomized
y coordinate
0
200
400
600
800
0
200
400
600
800
x coordinate

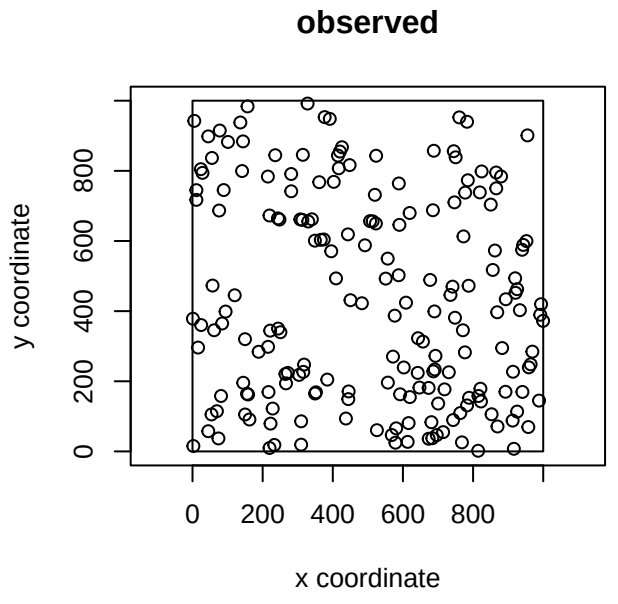

observed
y coordinate
0
200
400
600
800
0
200
400
600
800
x coordinate

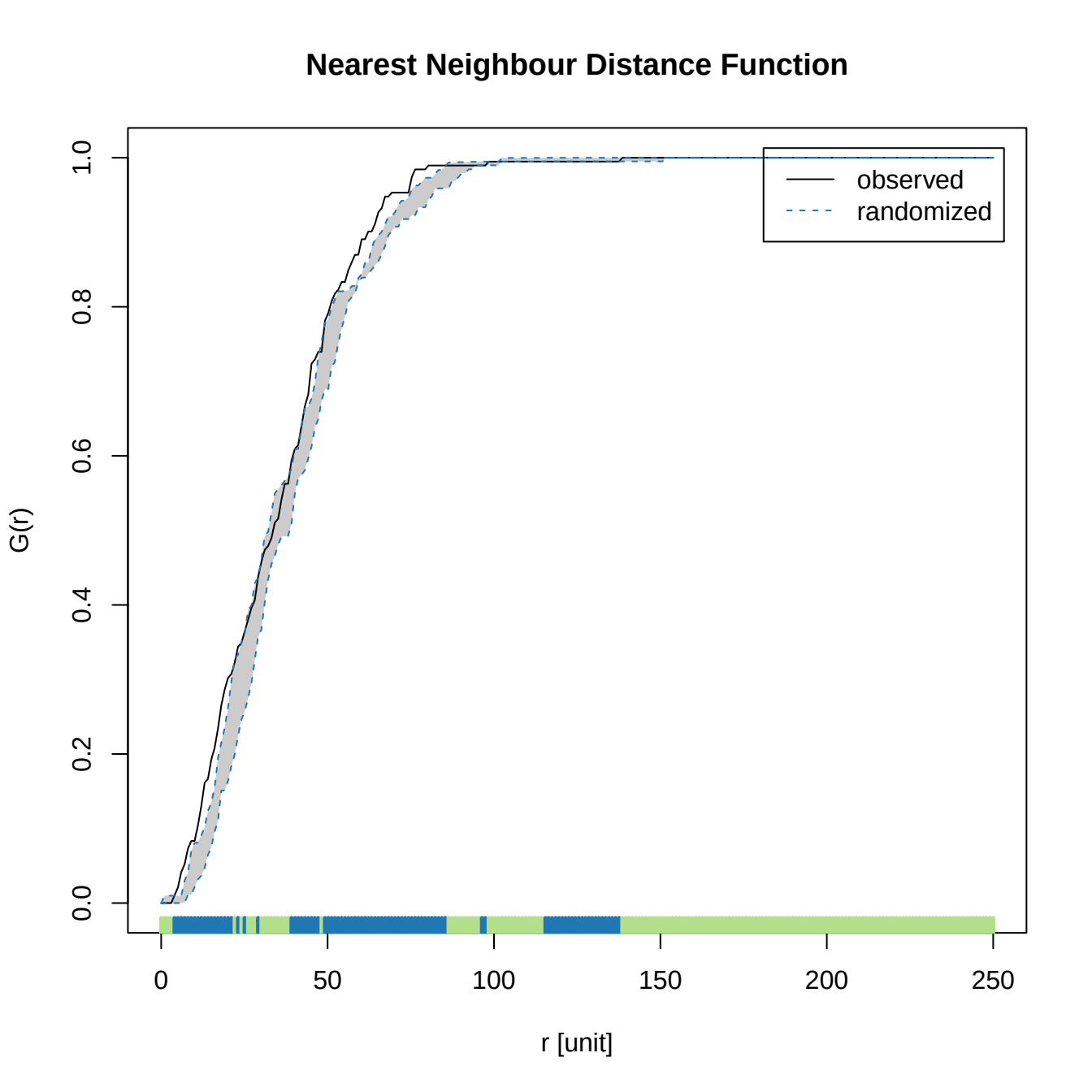

method
y coordinate
0
200
400
600
800
0
200
400
600
800
x coordinate

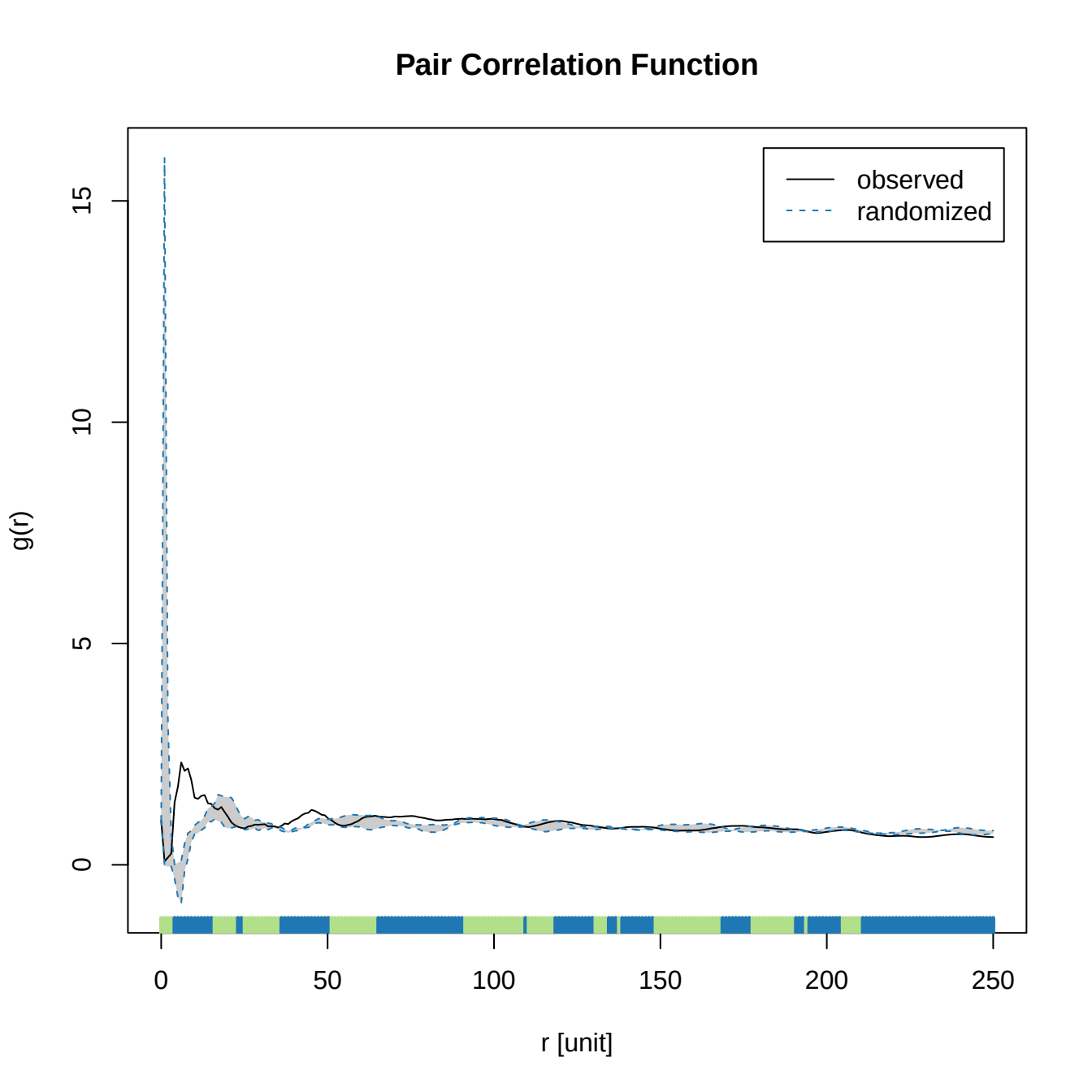

energy_df
y coordinate
0
200
400
600
800
0
200
400
600
800
x coordinate

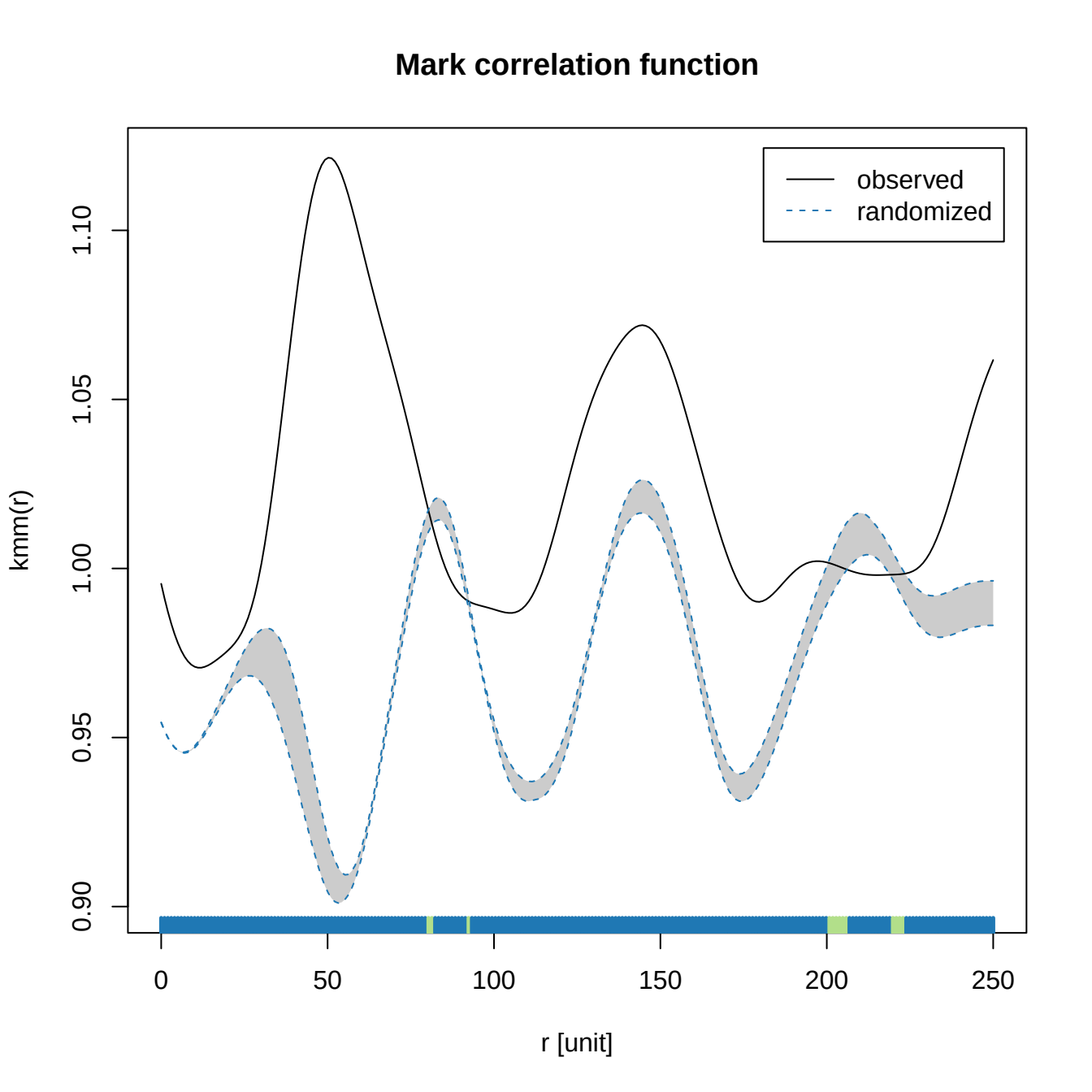

stop_criterion
y coordinate
0
200
400
600
800
x coordinate

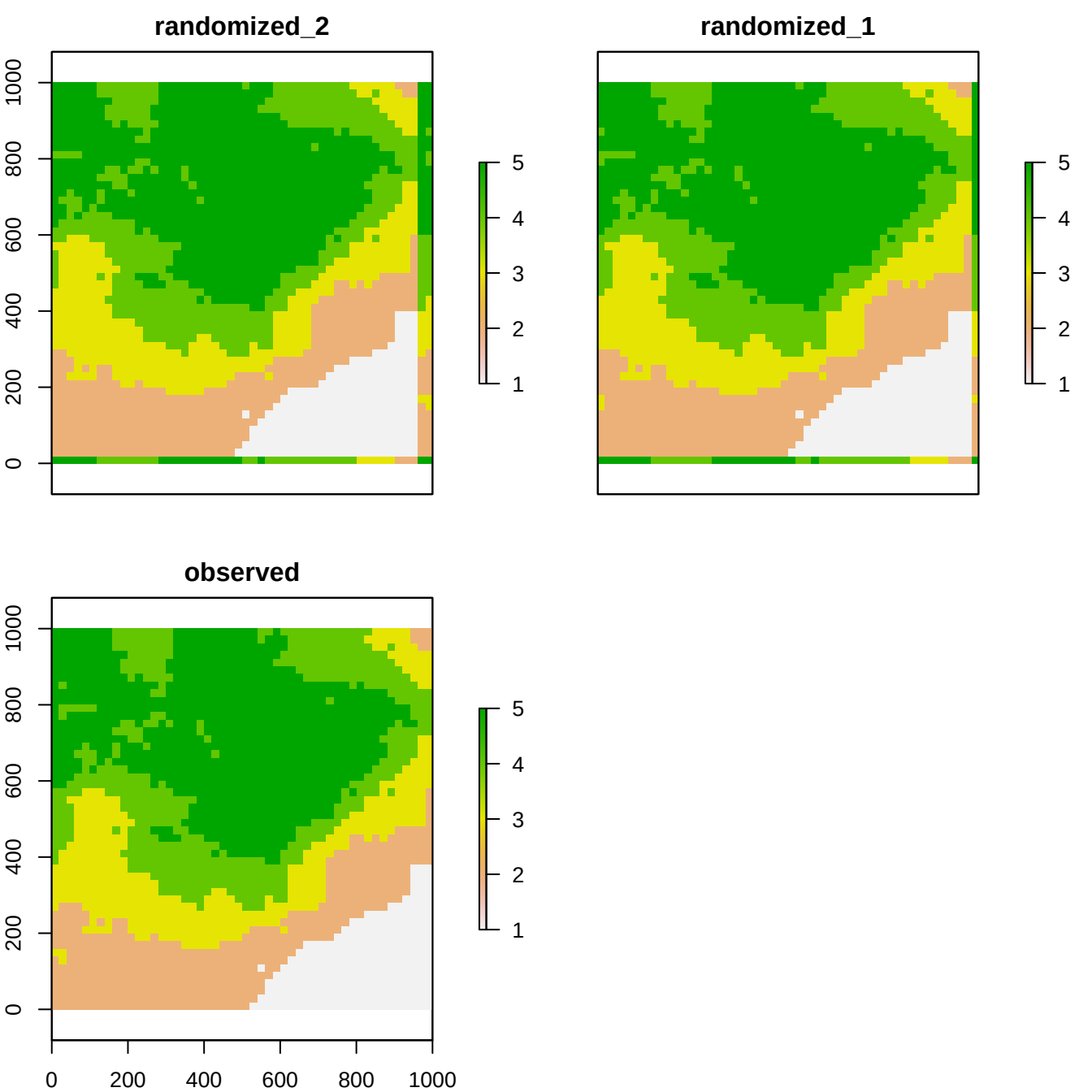

iterations
y coordinate
0
200
400
600
800
x coordinate

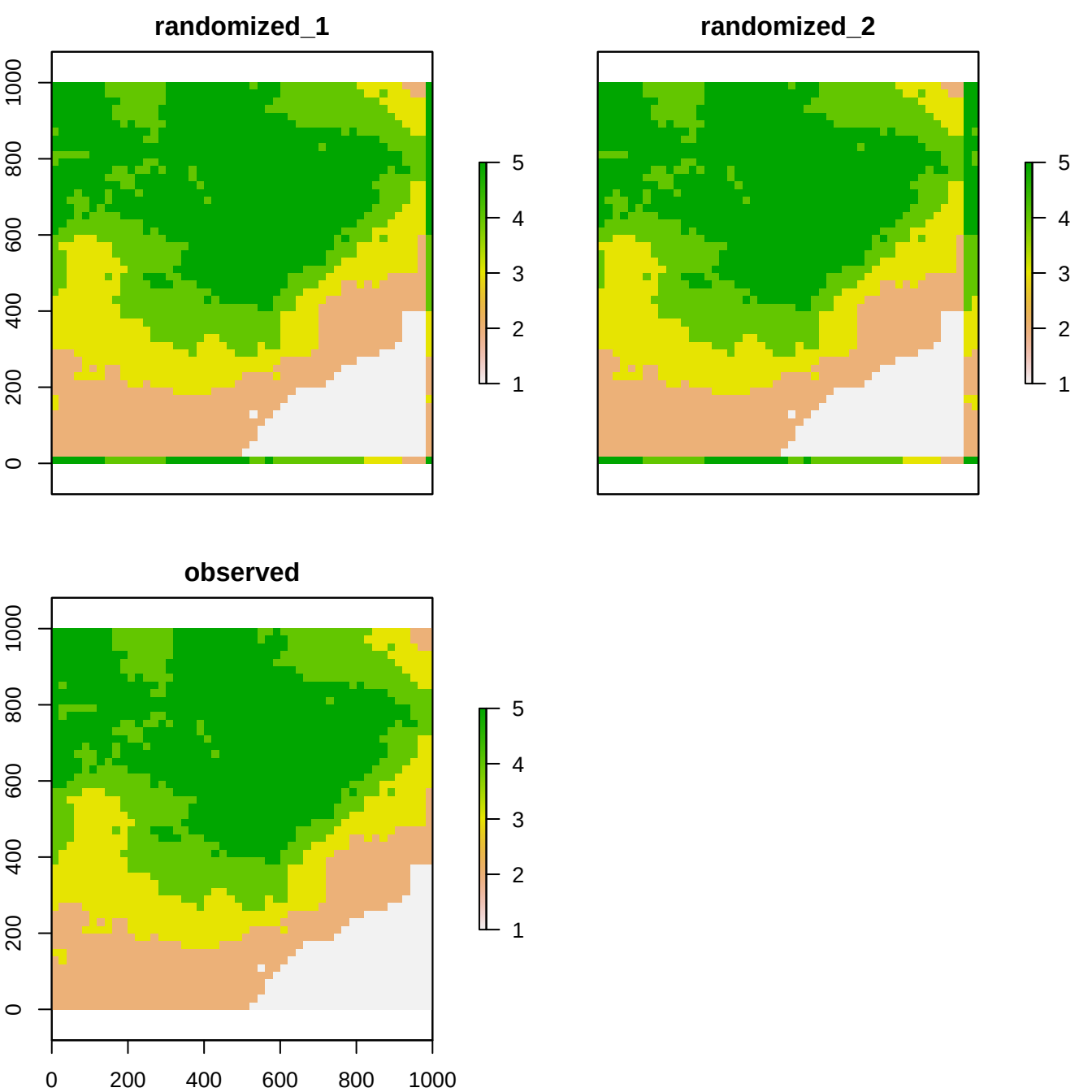

observed
y coordinate
0
200
400
600
800
x coordinate

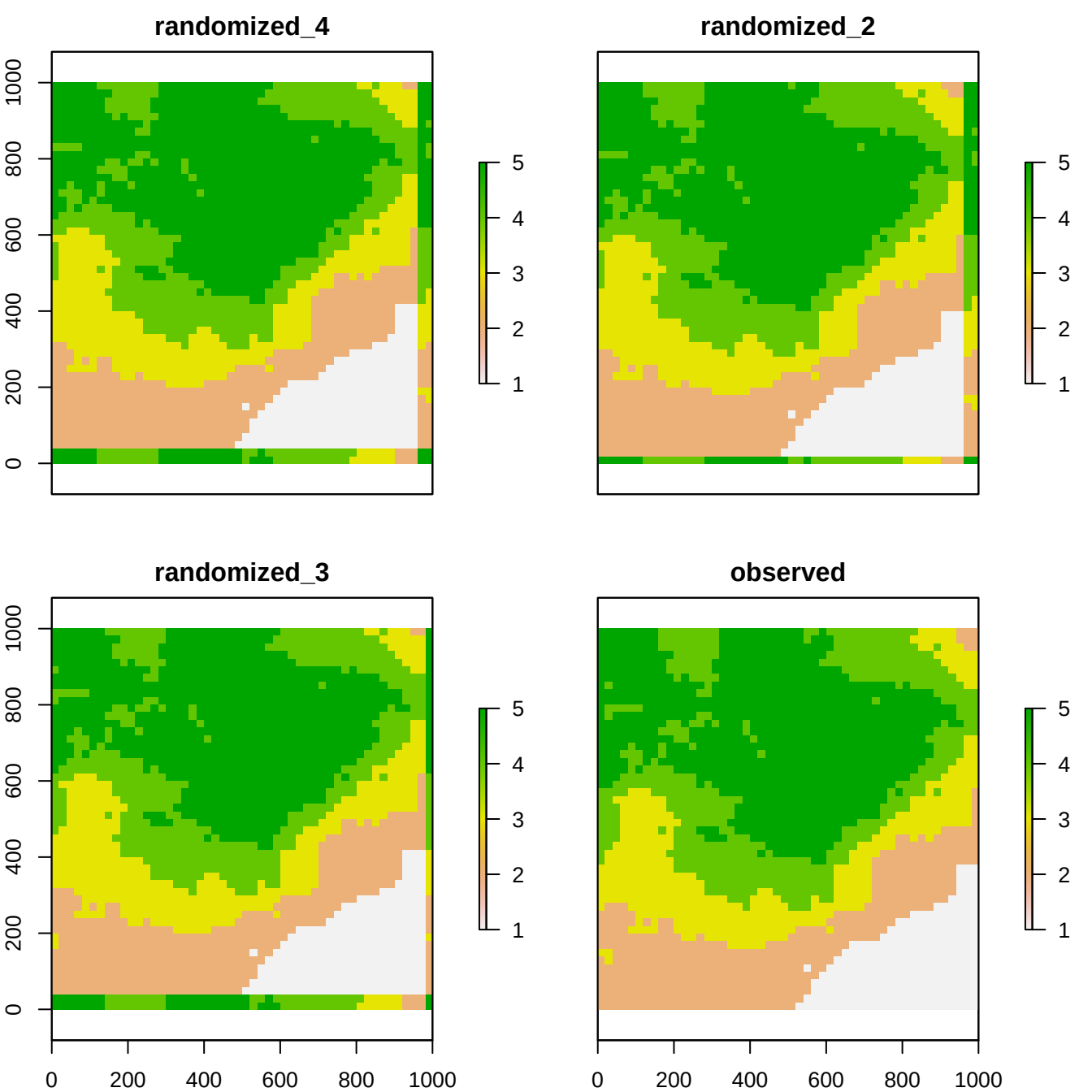

Nearest Neighbour Distance Function
observed
randomized
G(r)
0.0
0.2
0.4
0.6
0.8
1.0
0
50
100
150
200
250
r [unit]

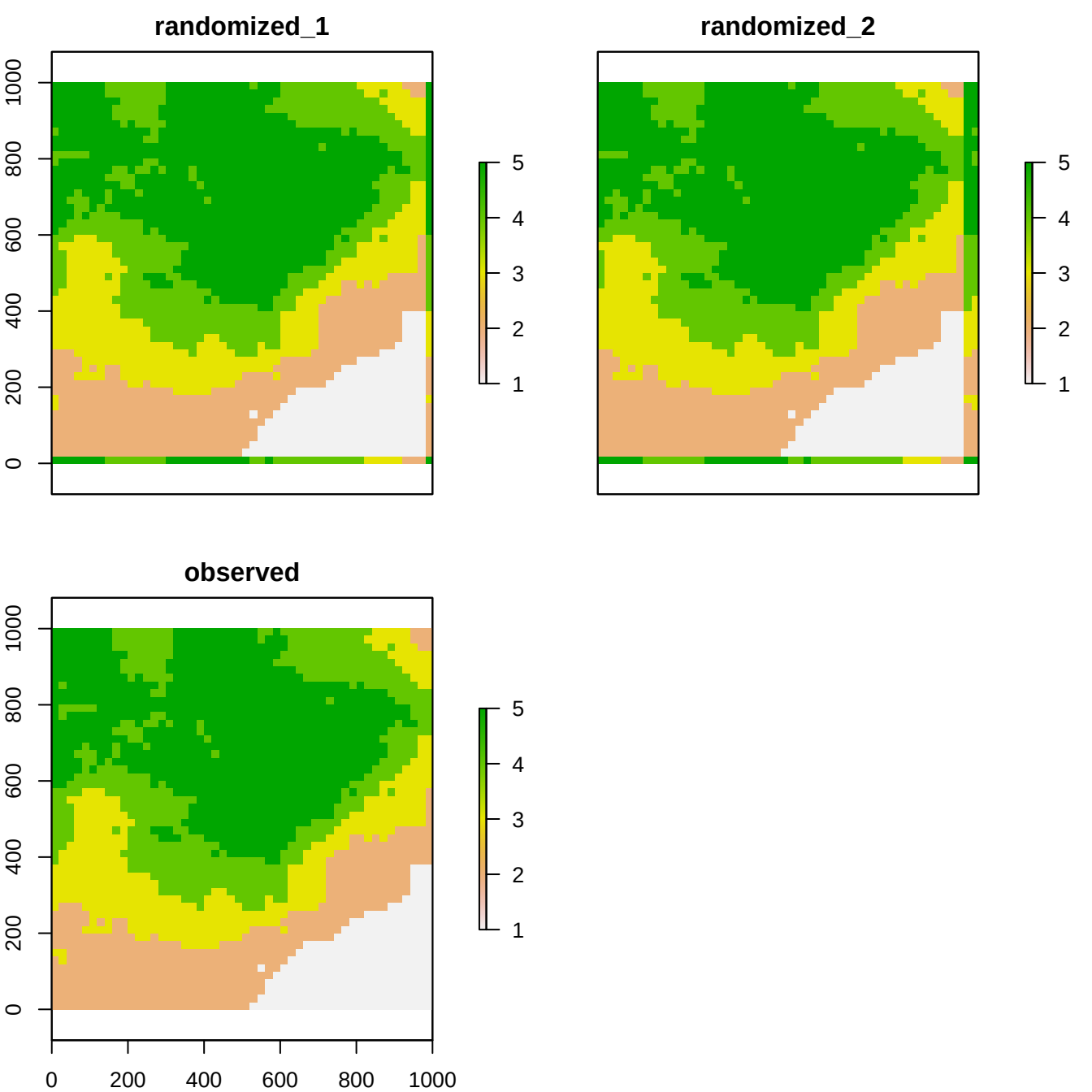

Pair Correlation Function
observed
randomized
g(r)
0
5
10
15
0
50
100
150
200
250
r [unit]

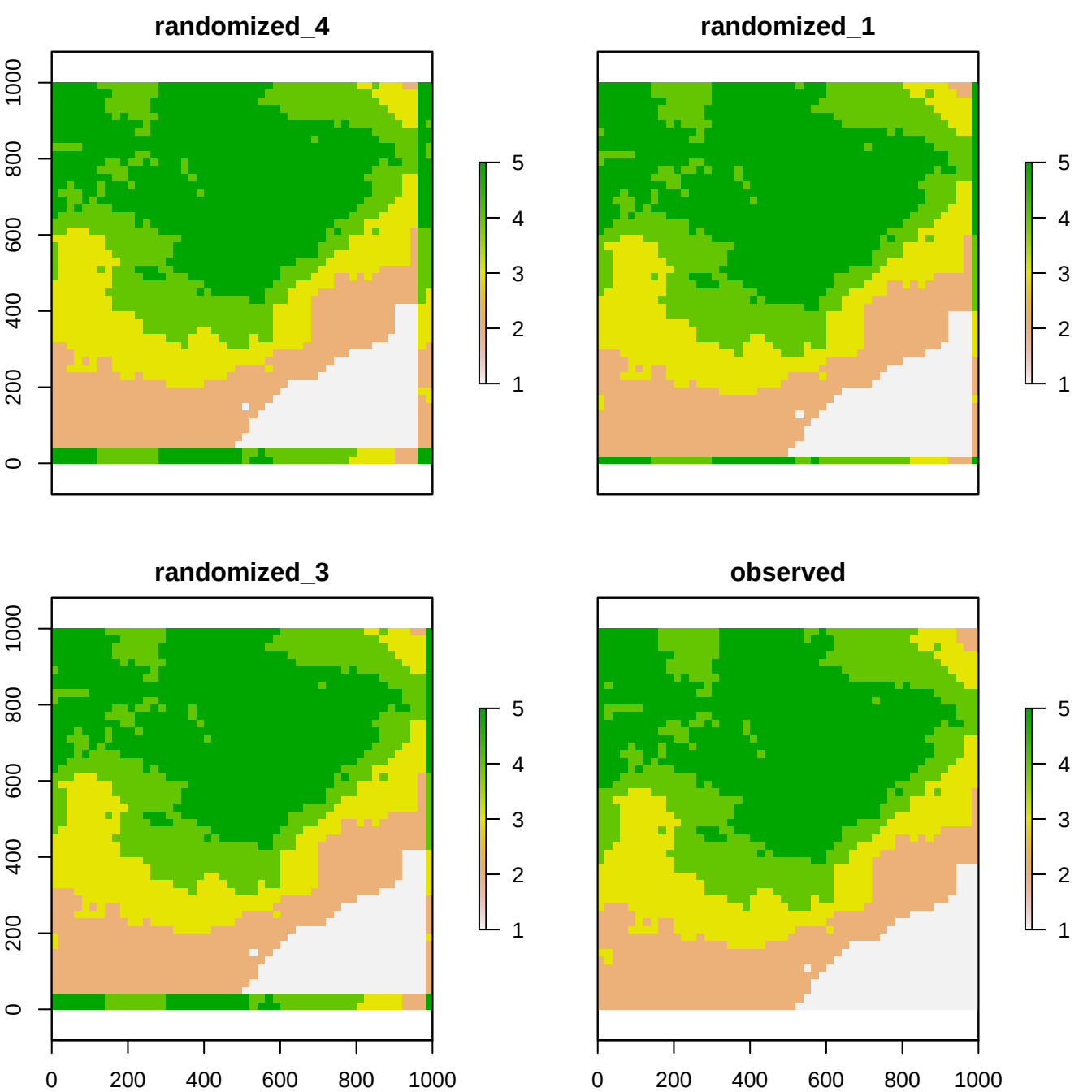

Mark correlation function
observed
randomized
kmm(r)
0.90
0.95
1.00
1.05
1.10
0
50
100
150
200
250
r [unit]

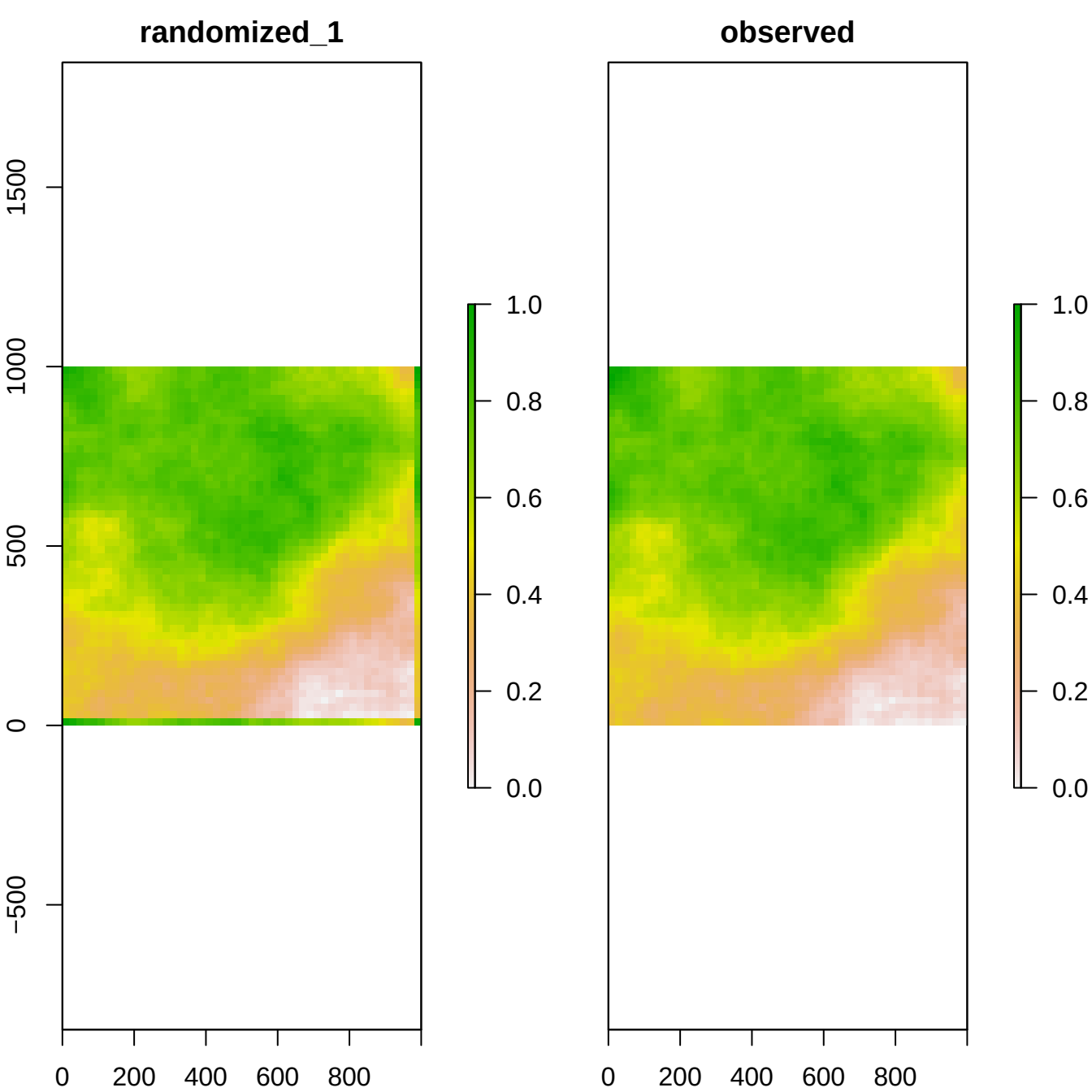

randomized_2
randomized_1
observed
0
200
400
600
800
1000
1
2
3
4
5


randomized_1
randomized_2
observed
0
200
400
600
800
1000
1
2
3
4
5


randomized_4
randomized_2
randomized_3
observed
0
200
400
600
800
1000
1
2
3
4
5


randomized_1
randomized_2
observed
0
200
400
600
800
1000
1
2
3
4
5


randomized_4
randomized_1
randomized_3
observed
0
200
400
600
800
1000
1
2
3
4
5


randomized_1
observed
1500
1000
500
0
−500
0
200
400
600
800
1.0
0.8
0.6
0.4
0.2
0.0