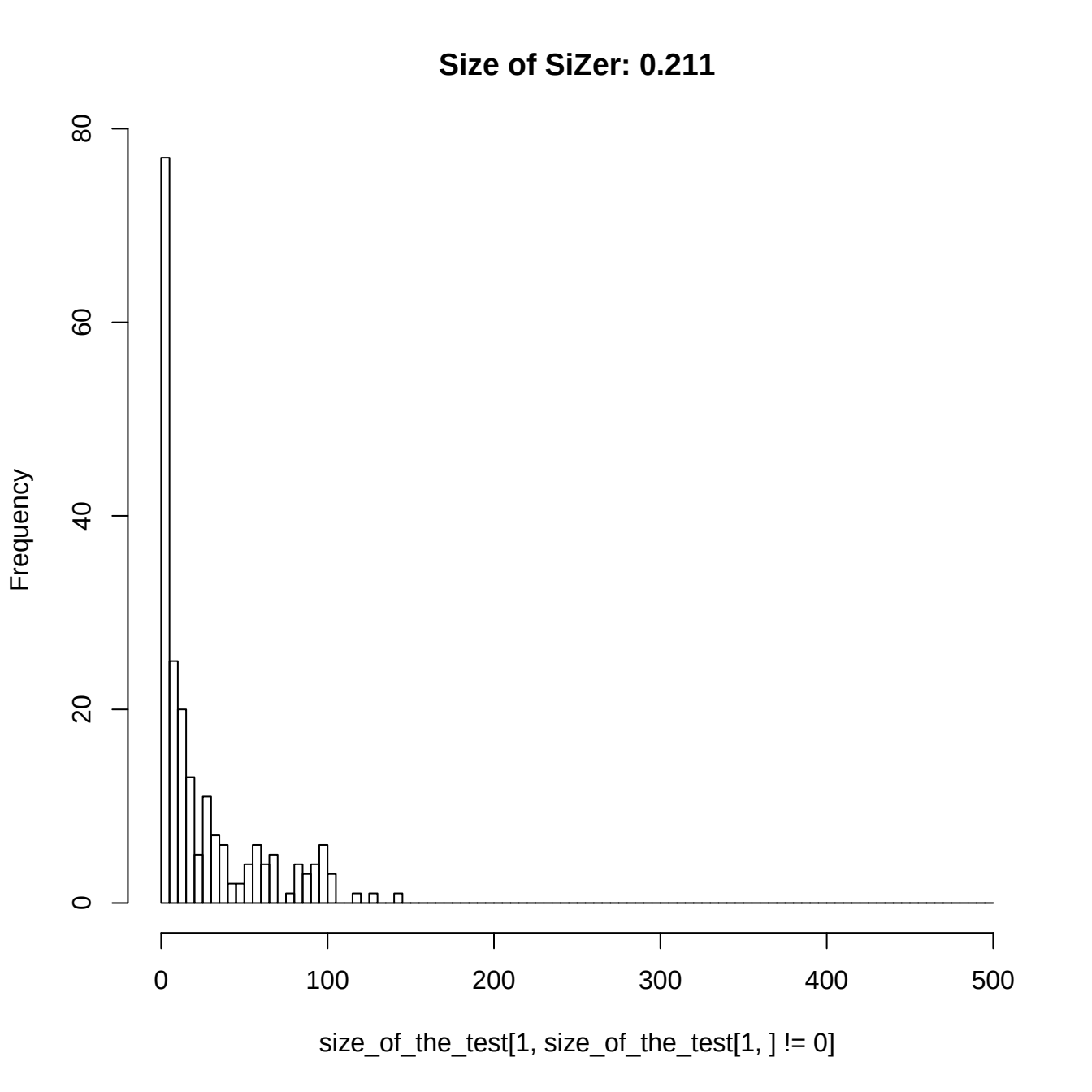
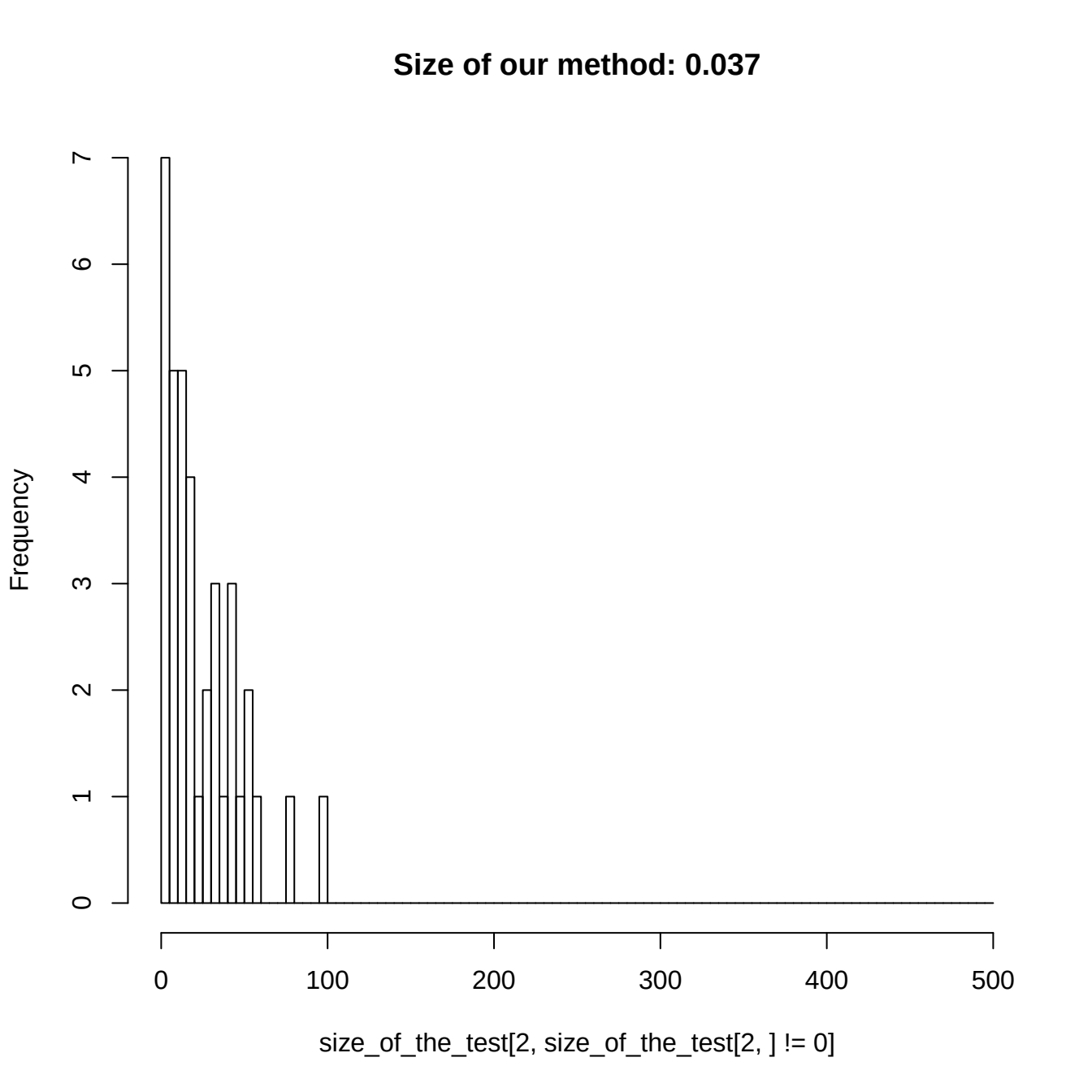
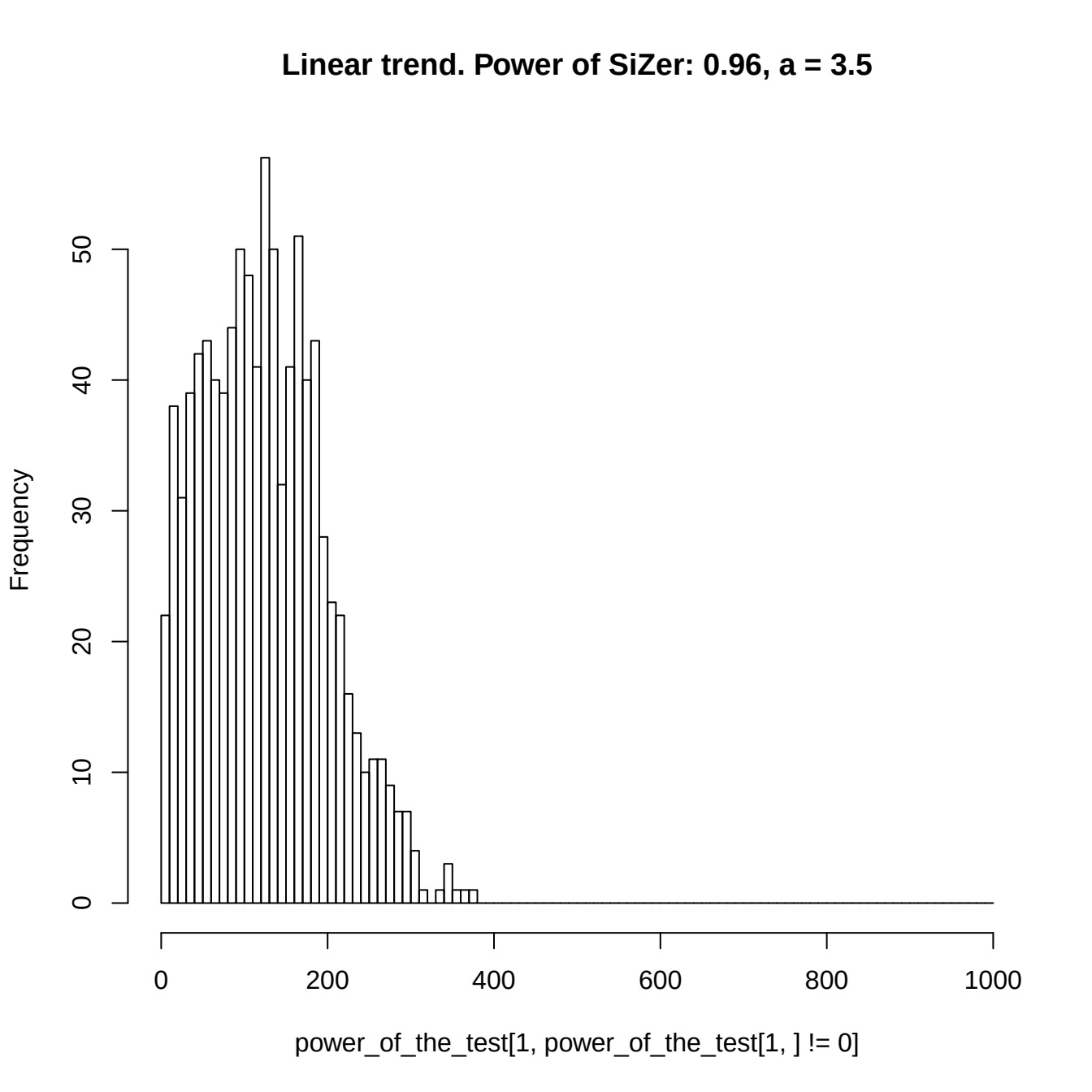
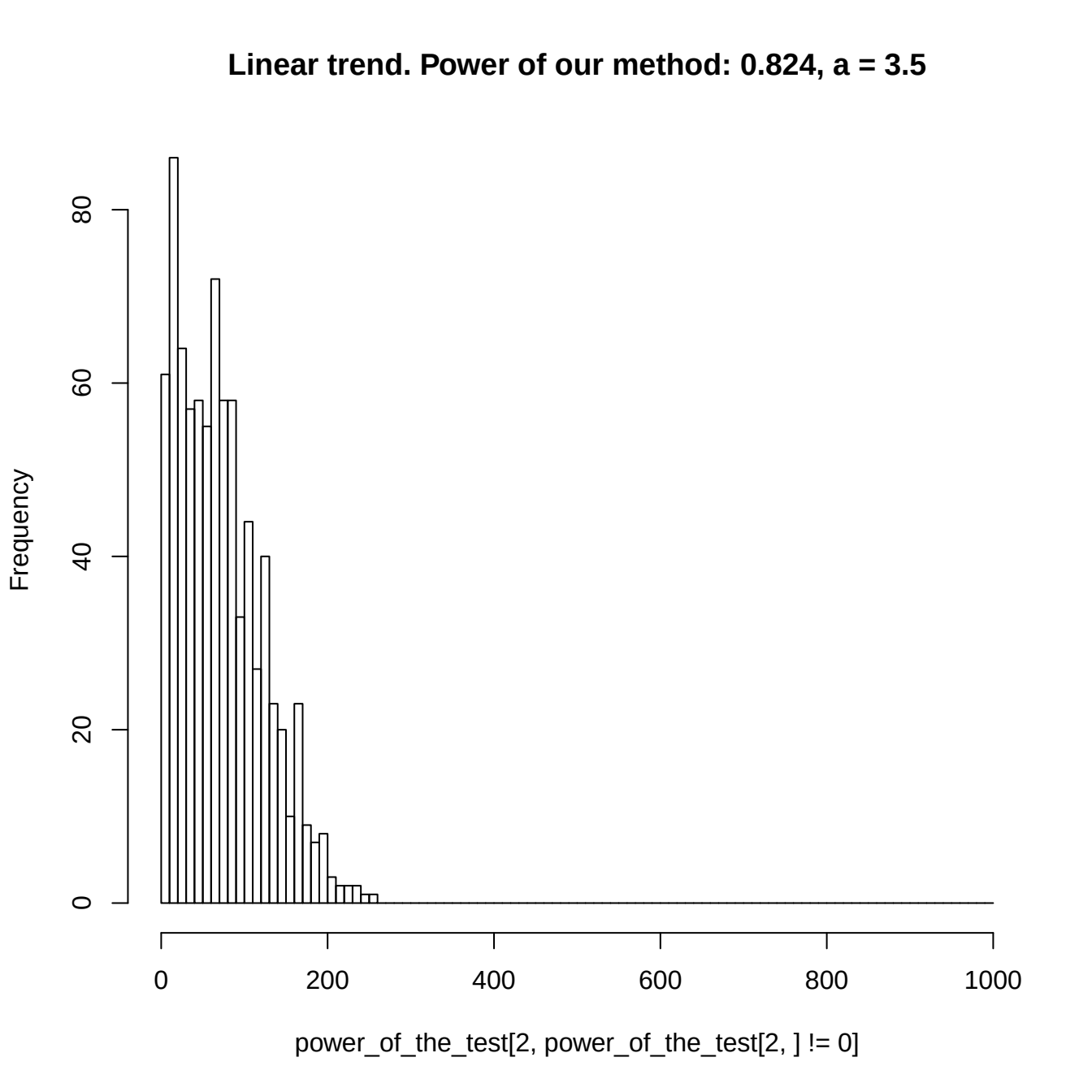
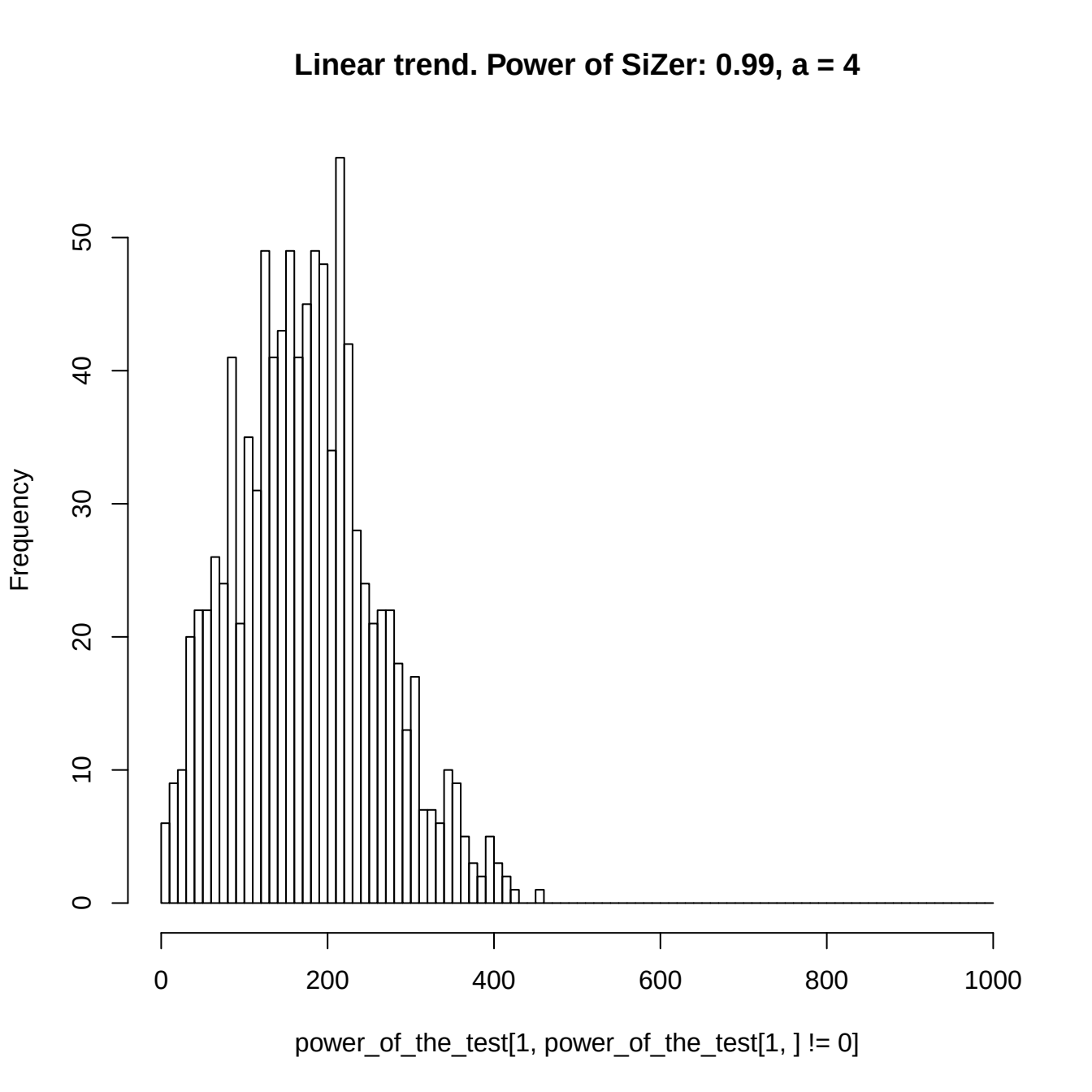
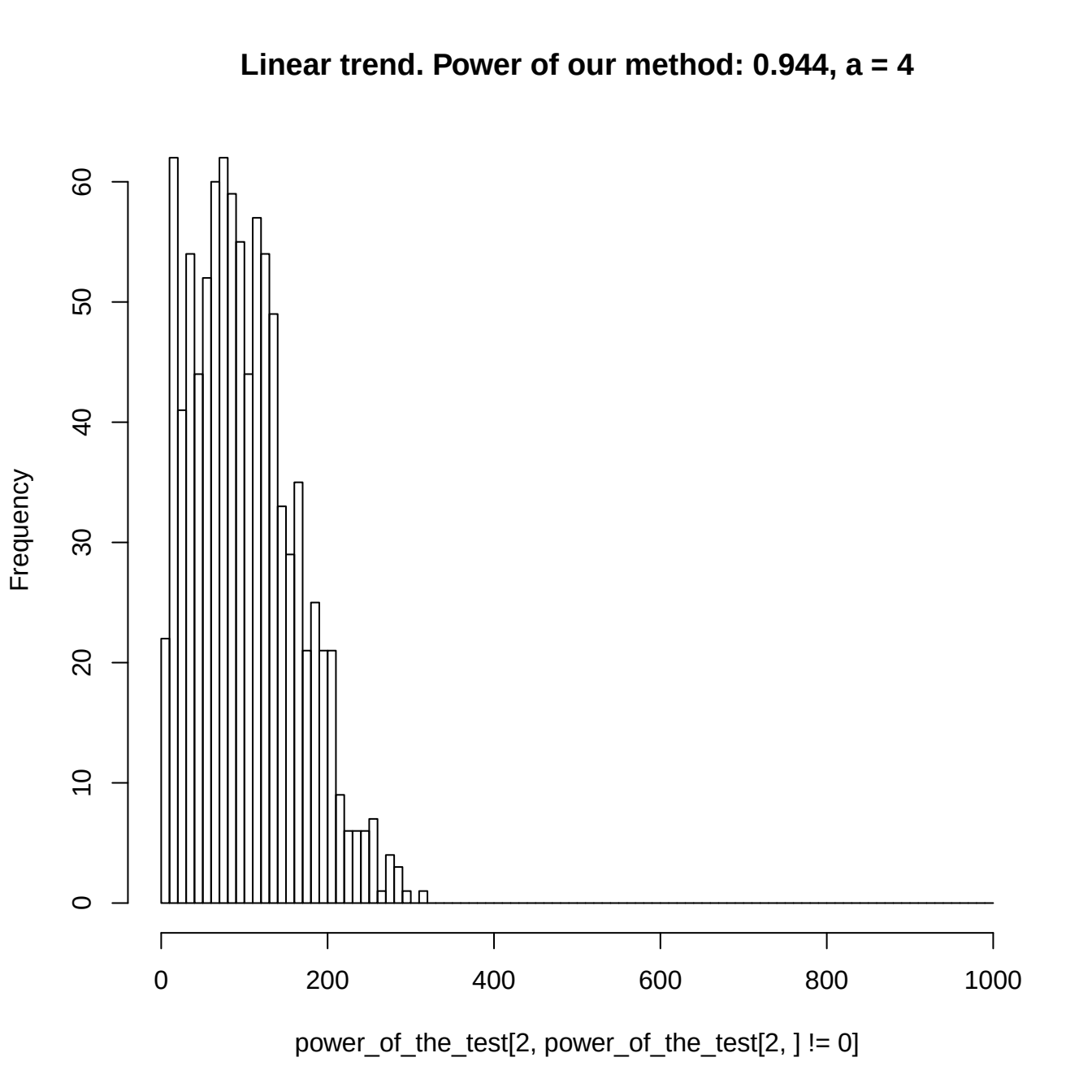

Size of SiZer: 0.211
Frequency
0
20
40
60
80
0
100
200
300
400
500
size_of_the_test[1, size_of_the_test[1,] != 0]

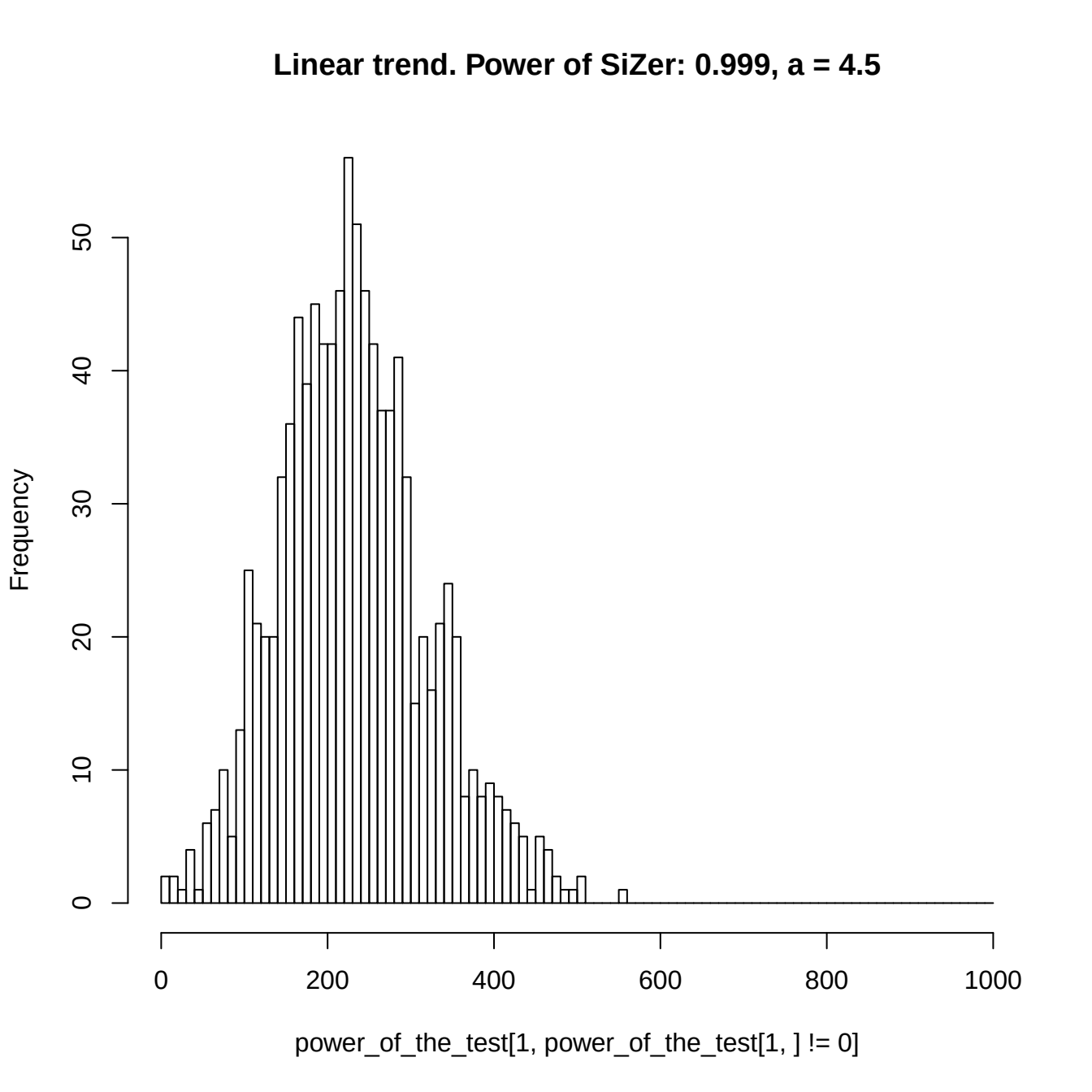

Size of our method: 0.037
Frequency
0
1
2
3
4
5
6
7
0
100
200
300
400
500
size_of_the_test[2, size_of_the_test[2,] != 0]

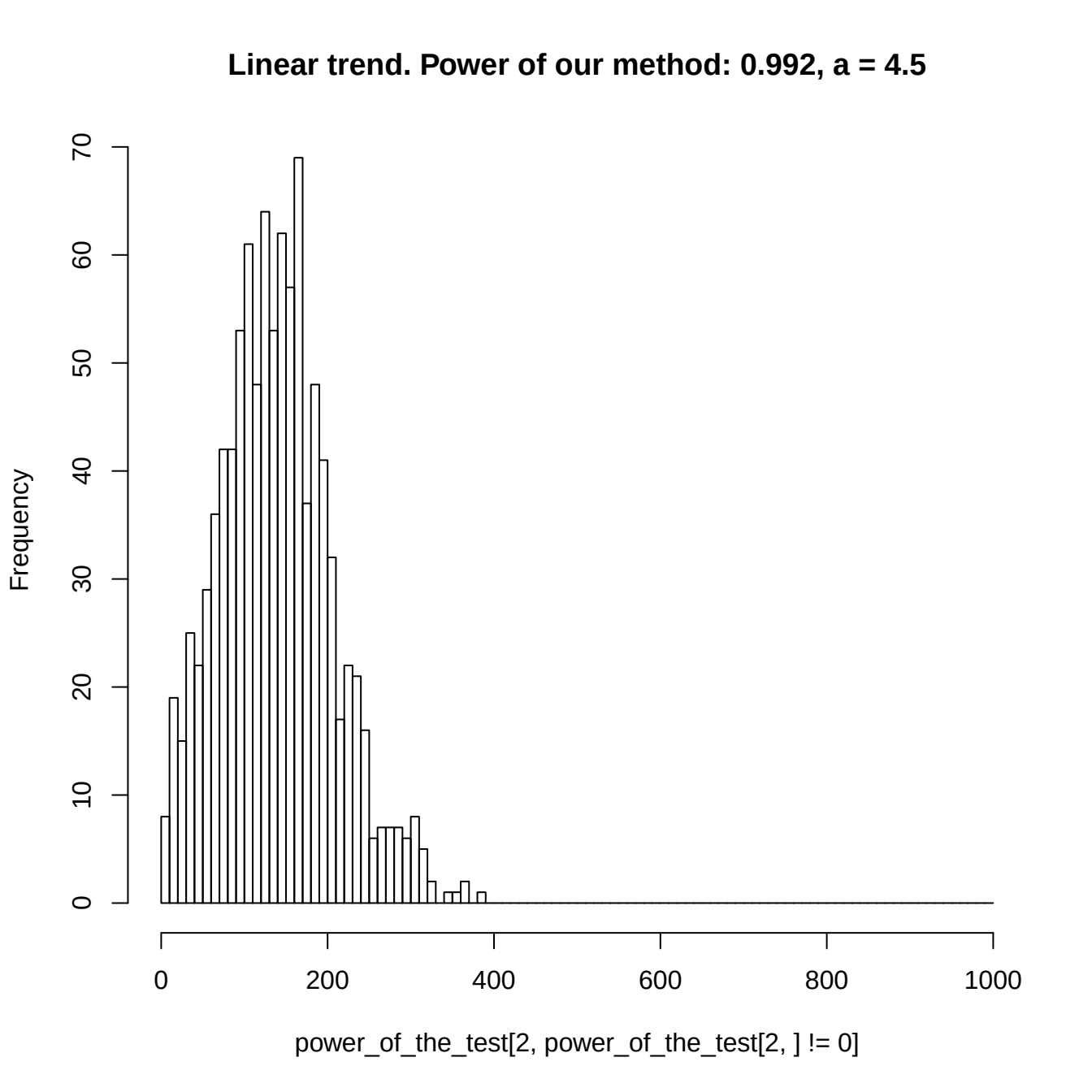

Linear trend. Power of SiZer: 0.96, a = 3.5
Frequency
0
10
20
30
40
50
0
200
400
600
800
1000
power_of_the_test[1, power_of_the_test[1,] != 0]

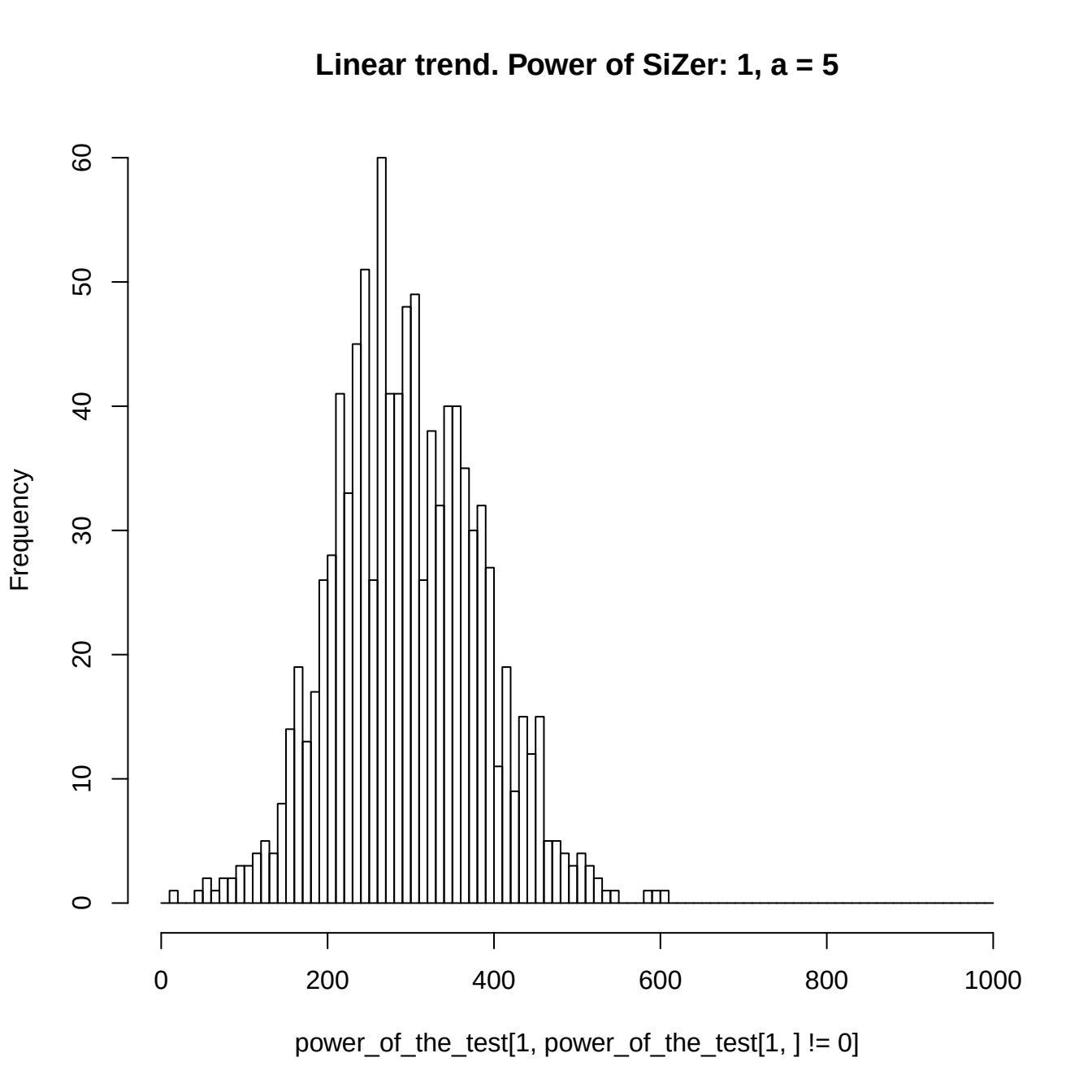

Linear trend. Power of our method: 0.824, a = 3.5
Frequency
0
20
40
60
80
0
200
400
600
800
1000
power_of_the_test[2, power_of_the_test[2,] != 0]

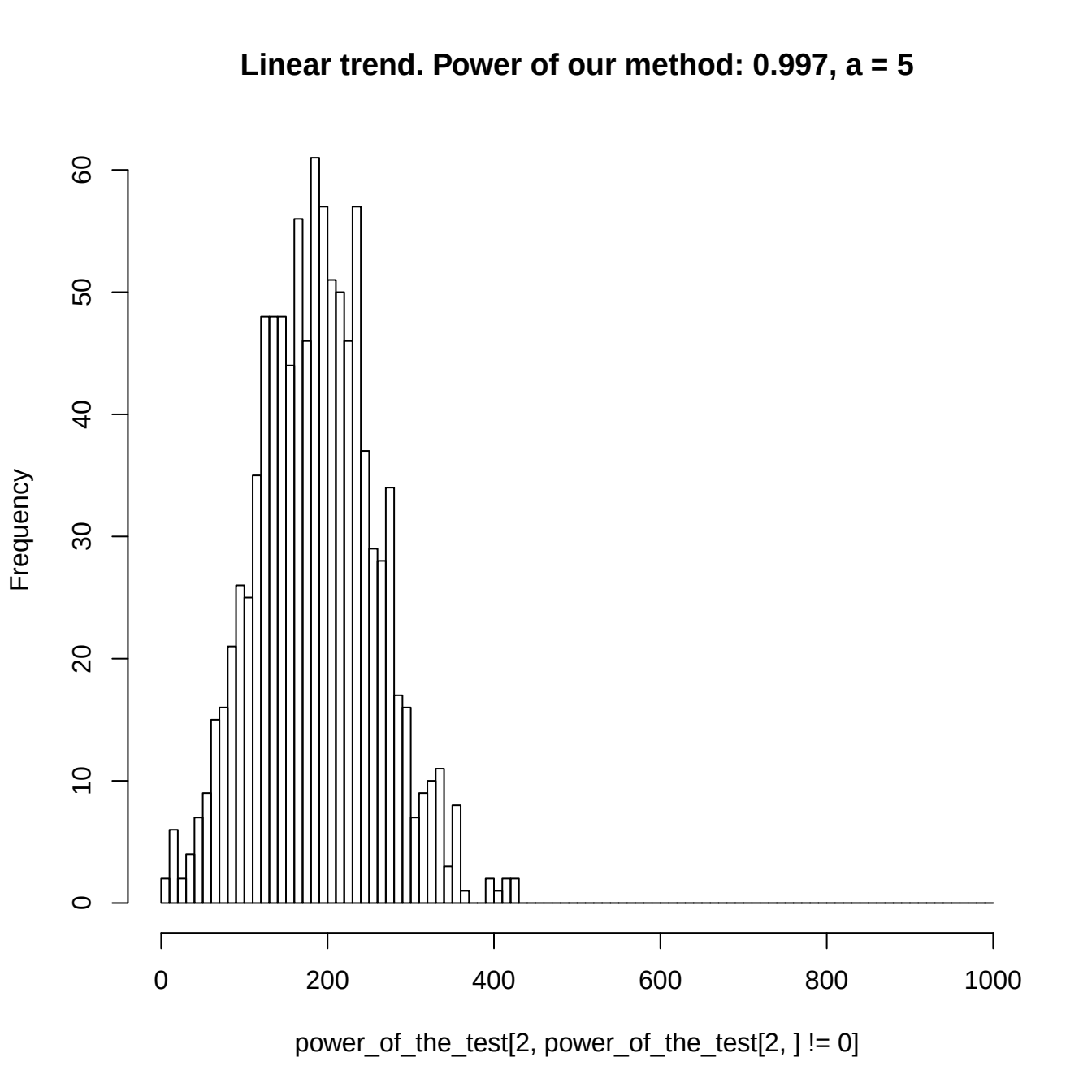

Linear trend. Power of SiZer: 0.99, a = 4
Frequency
0
10
20
30
40
50
0
200
400
600
800
1000
power_of_the_test[1, power_of_the_test[1,] != 0]

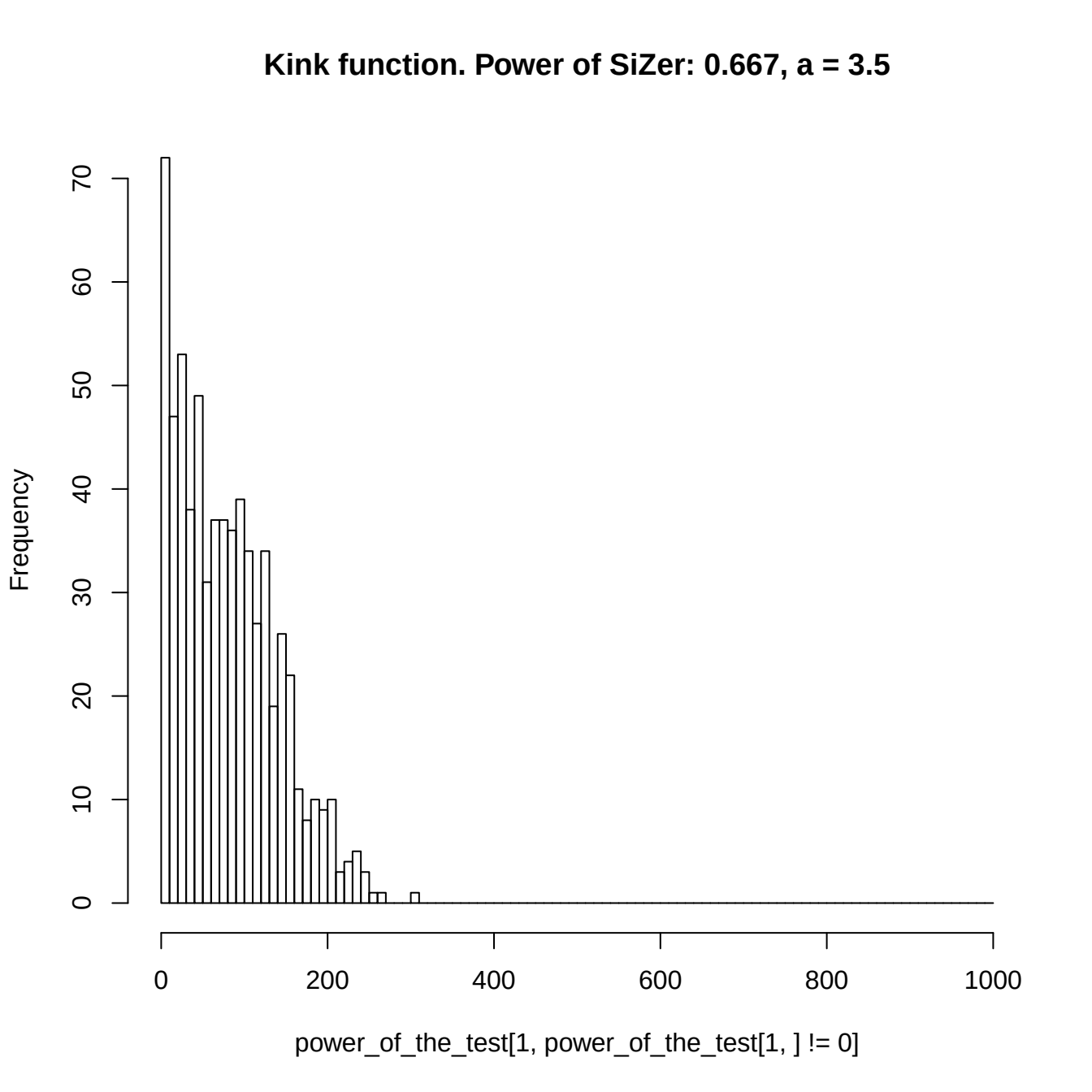

Linear trend. Power of our method: 0.944, a = 4
Frequency
0
10
20
30
40
50
60
0
200
400
600
800
1000
power_of_the_test[2, power_of_the_test[2,] != 0]

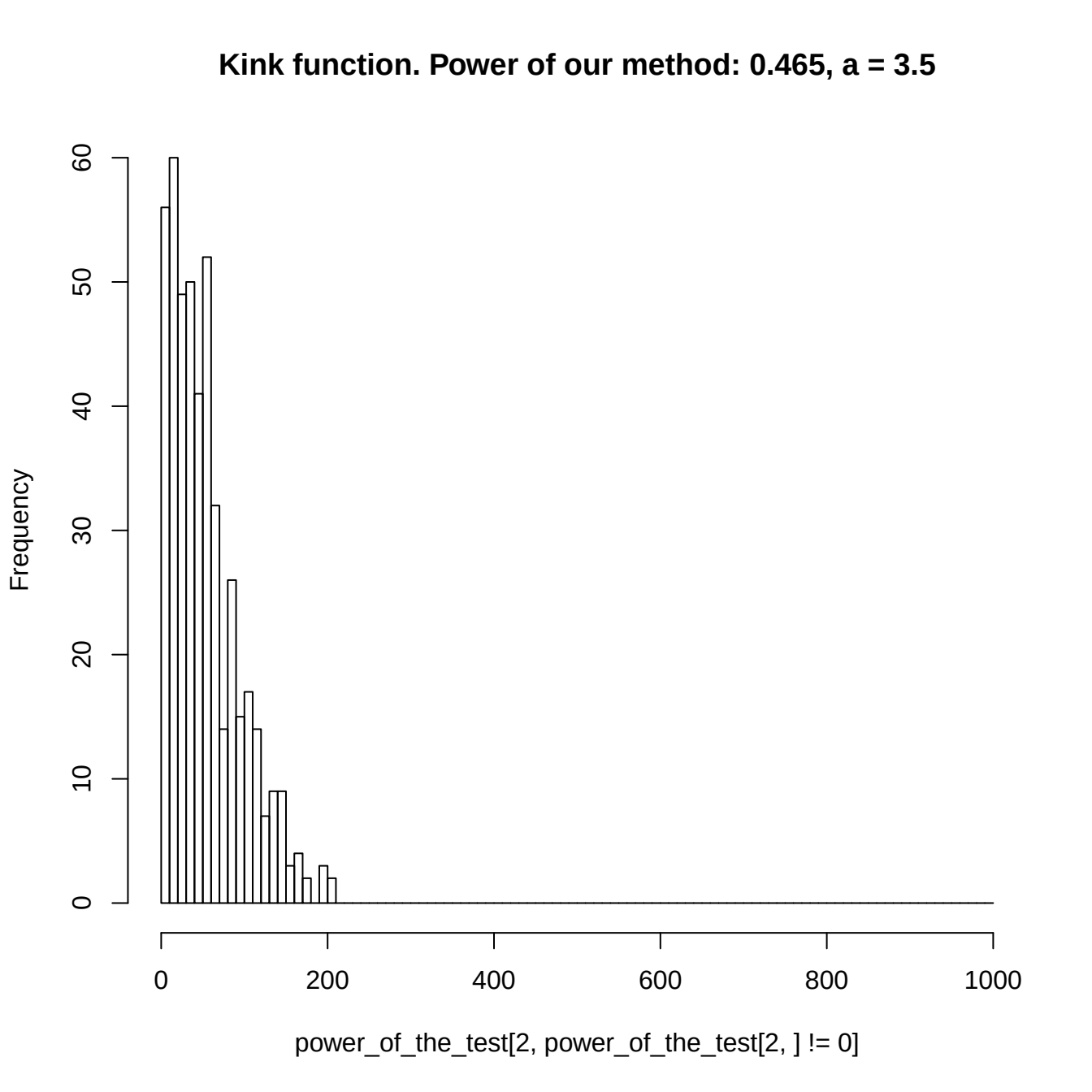

Linear trend. Power of SiZer: 0.999, a = 4.5
Frequency
0
10
20
30
40
50
0
200
400
600
800
1000
power_of_the_test[1, power_of_the_test[1,] != 0]

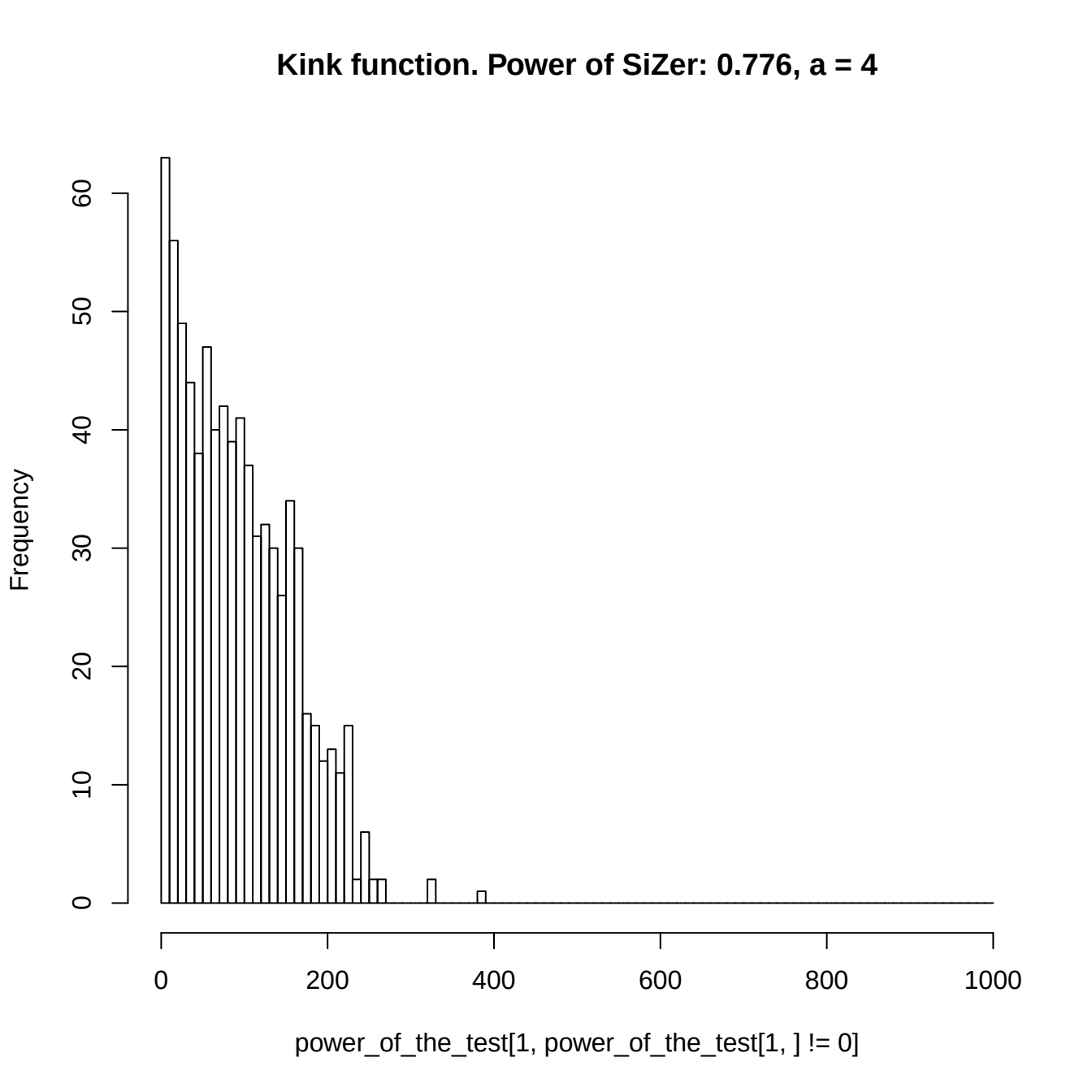

Linear trend. Power of our method: 0.992, a = 4.5
Frequency
0
10
20
30
40
50
60
70
0
200
400
600
800
1000
power_of_the_test[2, power_of_the_test[2,] != 0]

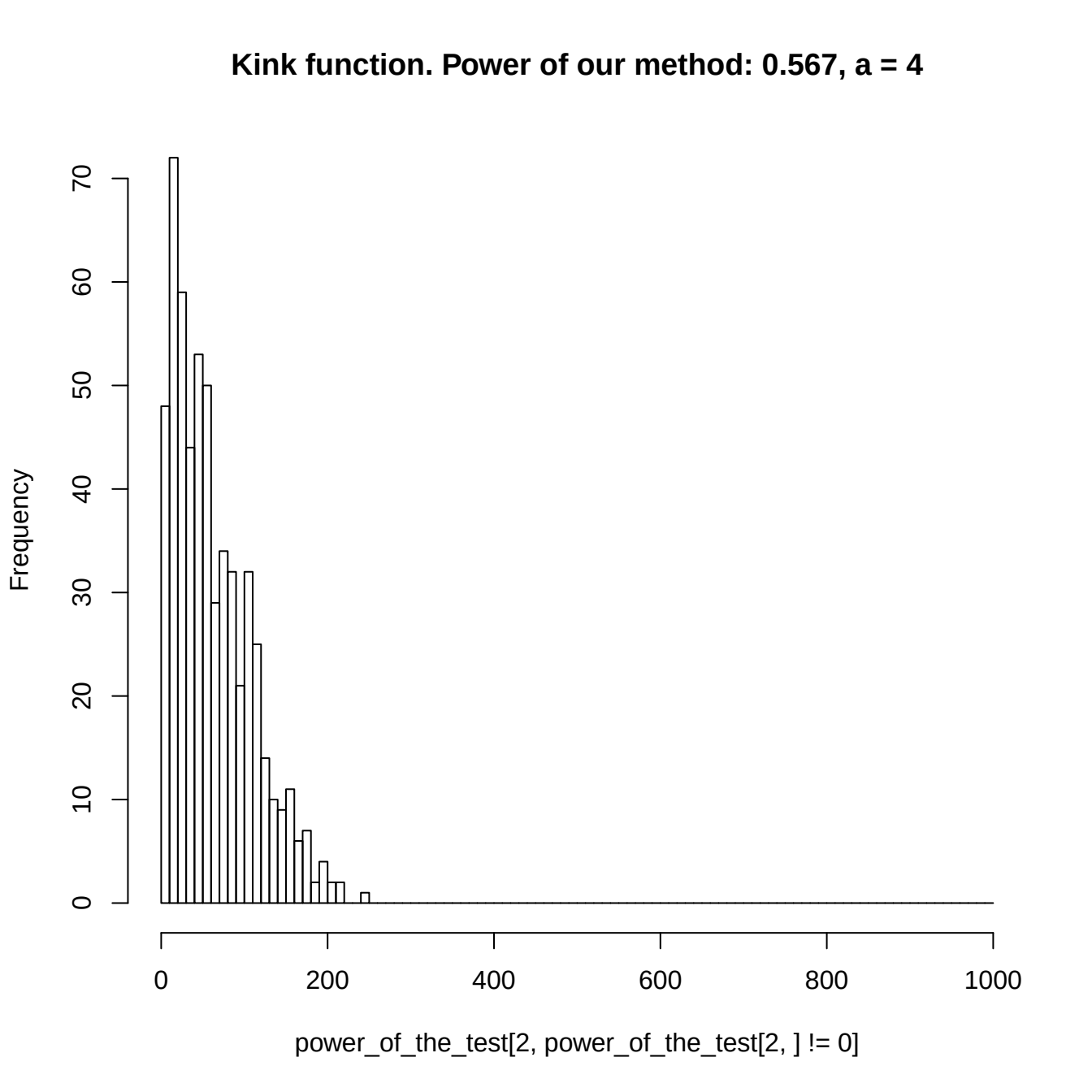

Linear trend. Power of SiZer: 1, a = 5
Frequency
0
10
20
30
40
50
60
0
200
400
600
800
1000
power_of_the_test[1, power_of_the_test[1,] != 0]

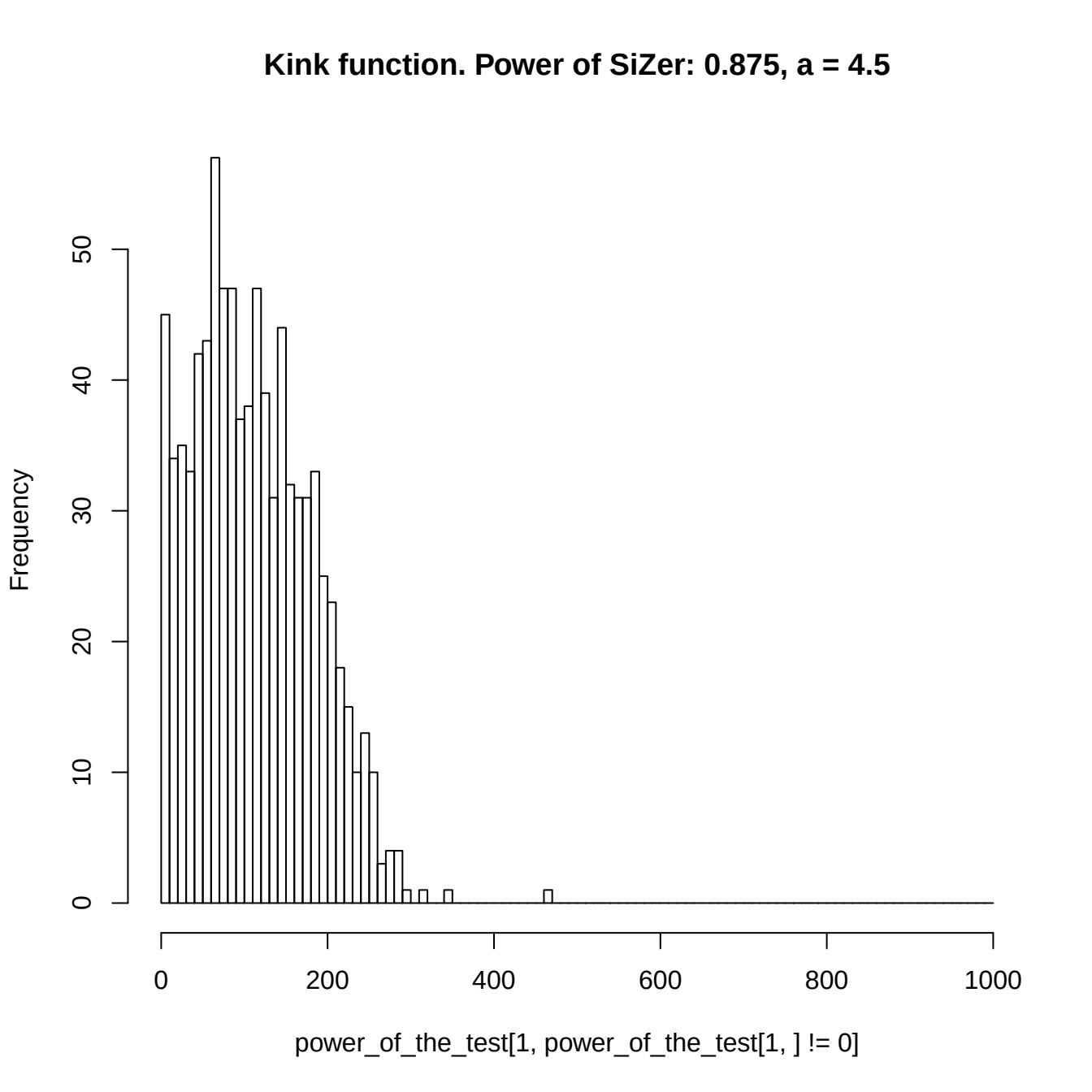

Linear trend. Power of our method: 0.997, a = 5
Frequency
0
10
20
30
40
50
60
0
200
400
600
800
1000
power_of_the_test[2, power_of_the_test[2,] != 0]

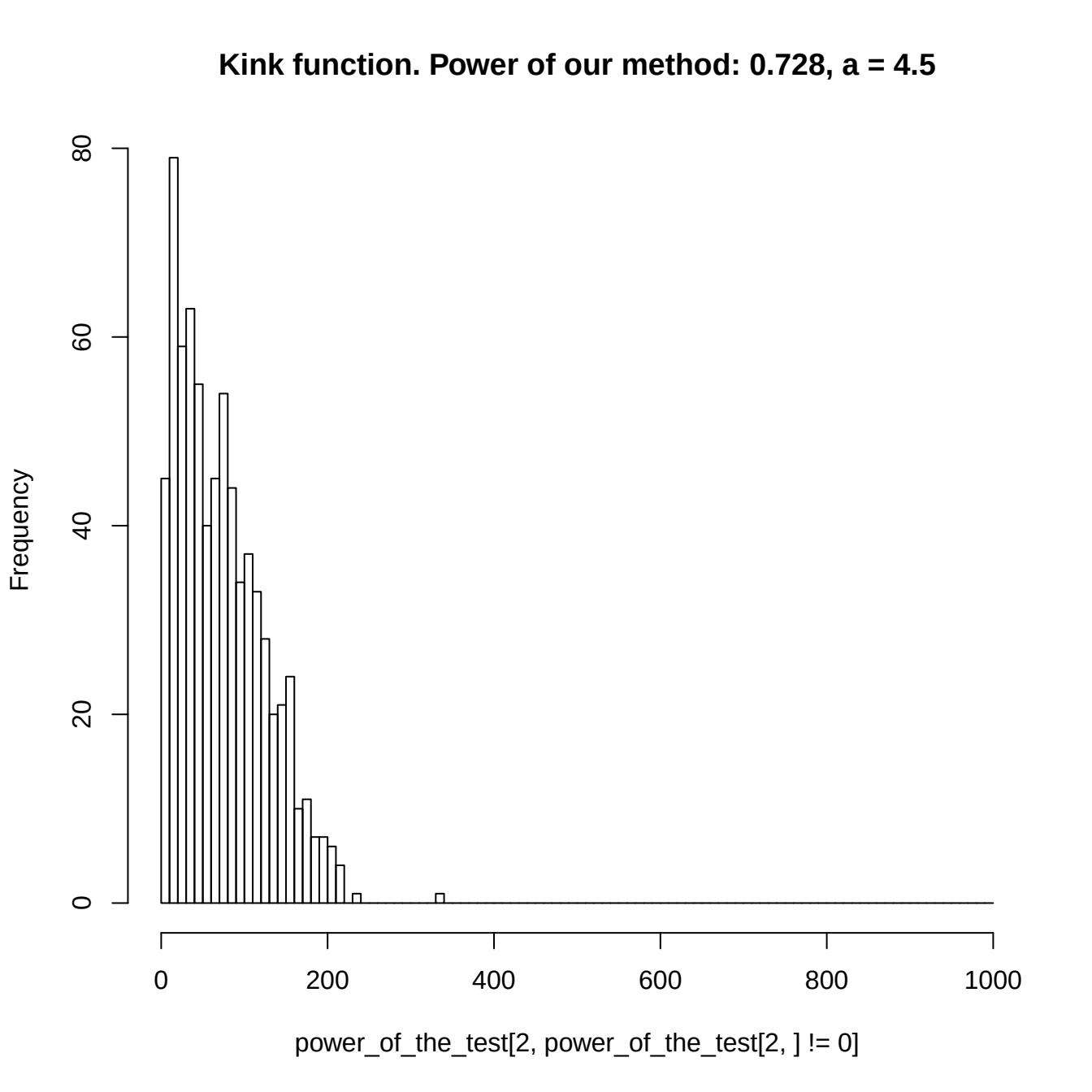

Kink function. Power of SiZer: 0.667, a = 3.5
Frequency
0
10
20
30
40
50
60
70
0
200
400
600
800
1000
power_of_the_test[1, power_of_the_test[1,] != 0]

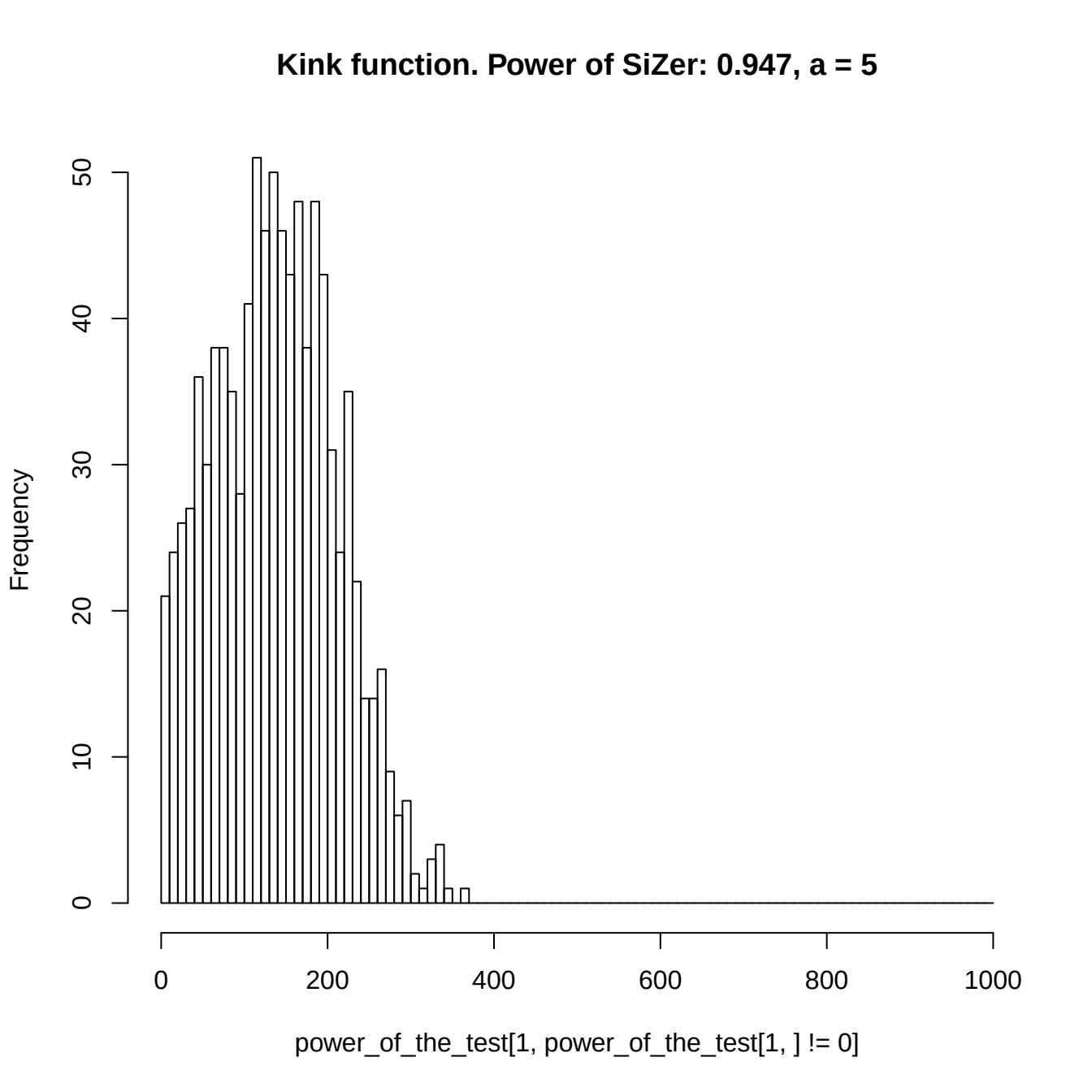

Kink function. Power of our method: 0.465, a = 3.5
Frequency
0
10
20
30
40
50
60
0
200
400
600
800
1000
power_of_the_test[2, power_of_the_test[2,] != 0]

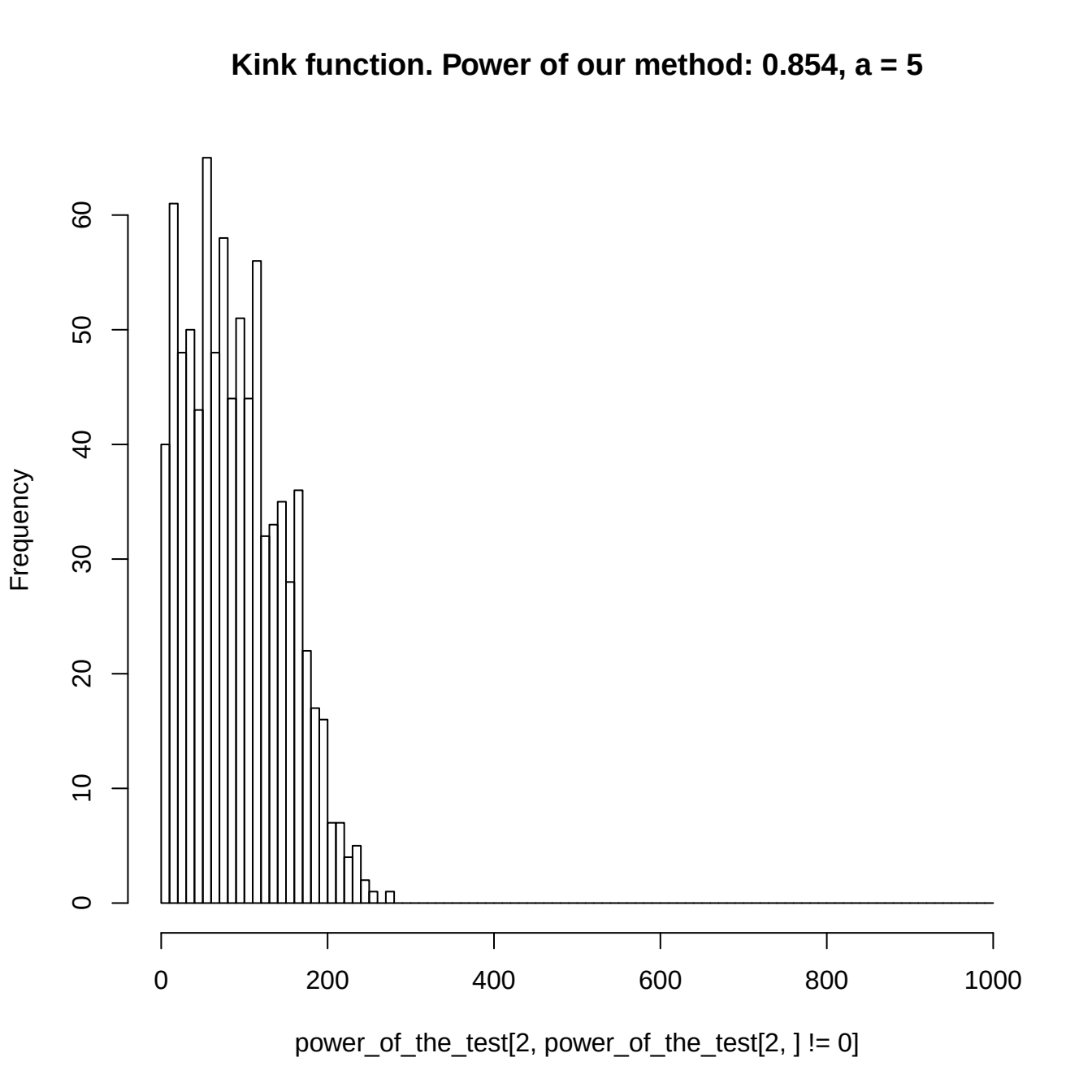

Kink function. Power of SiZer: 0.776, a = 4
Frequency
0
10
20
30
40
50
60
0
200
400
600
800
1000
power_of_the_test[1, power_of_the_test[1,] != 0]


Kink function. Power of our method: 0.567, a = 4
Frequency
0
10
20
30
40
50
60
70
0
200
400
600
800
1000
power_of_the_test[2, power_of_the_test[2,] != 0]


Kink function. Power of SiZer: 0.875, a = 4.5
Frequency
0
10
20
30
40
50
0
200
400
600
800
1000
power_of_the_test[1, power_of_the_test[1,] != 0]


Kink function. Power of our method: 0.728, a = 4.5
Frequency
0
20
40
60
80
0
200
400
600
800
1000
power_of_the_test[2, power_of_the_test[2,] != 0]


Kink function. Power of SiZer: 0.947, a = 5
Frequency
0
10
20
30
40
50
0
200
400
600
800
1000
power_of_the_test[1, power_of_the_test[1,] != 0]


Kink function. Power of our method: 0.854, a = 5
Frequency
0
10
20
30
40
50
60
0
200
400
600
800
1000
power_of_the_test[2, power_of_the_test[2,] != 0]