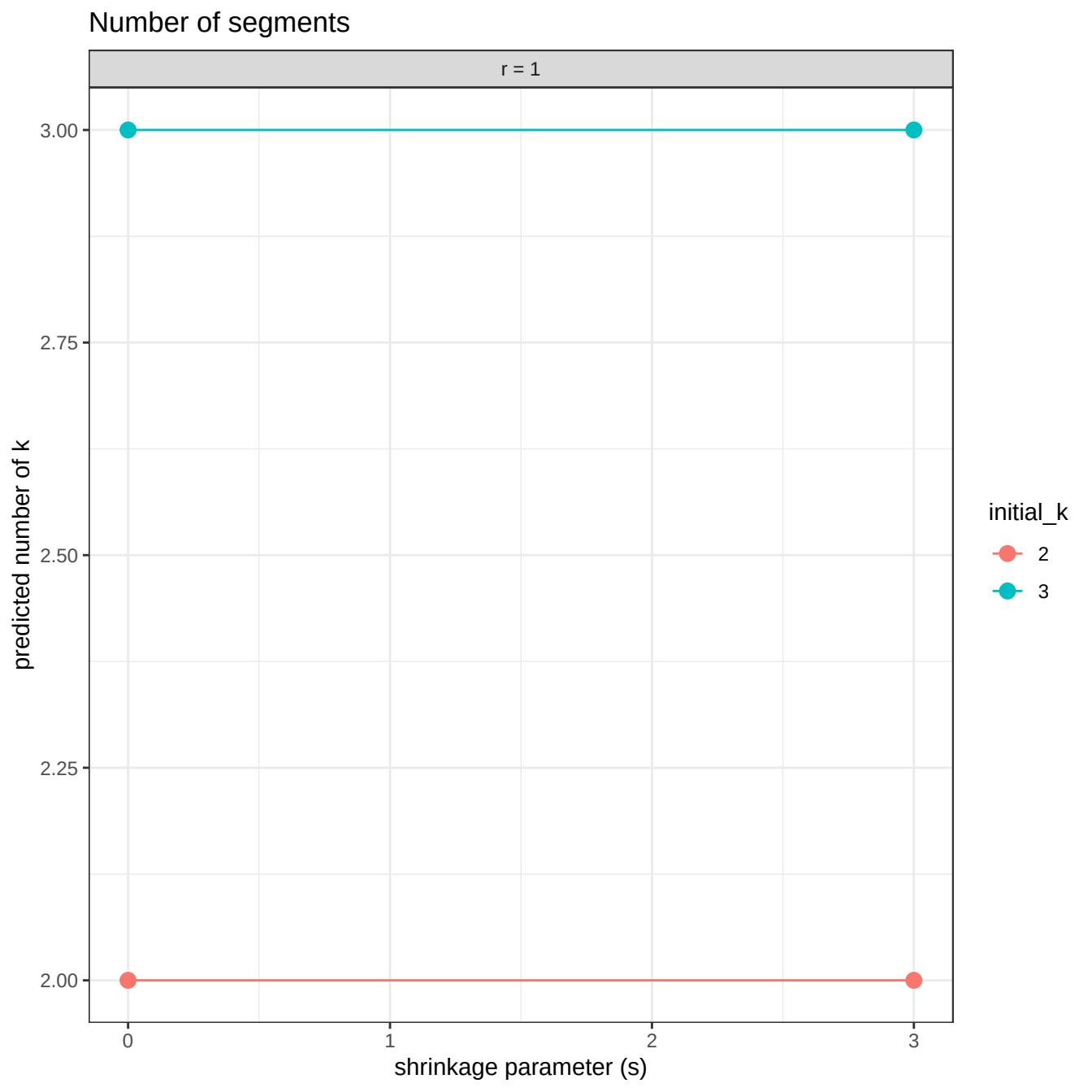
Spatial segmentation for file:

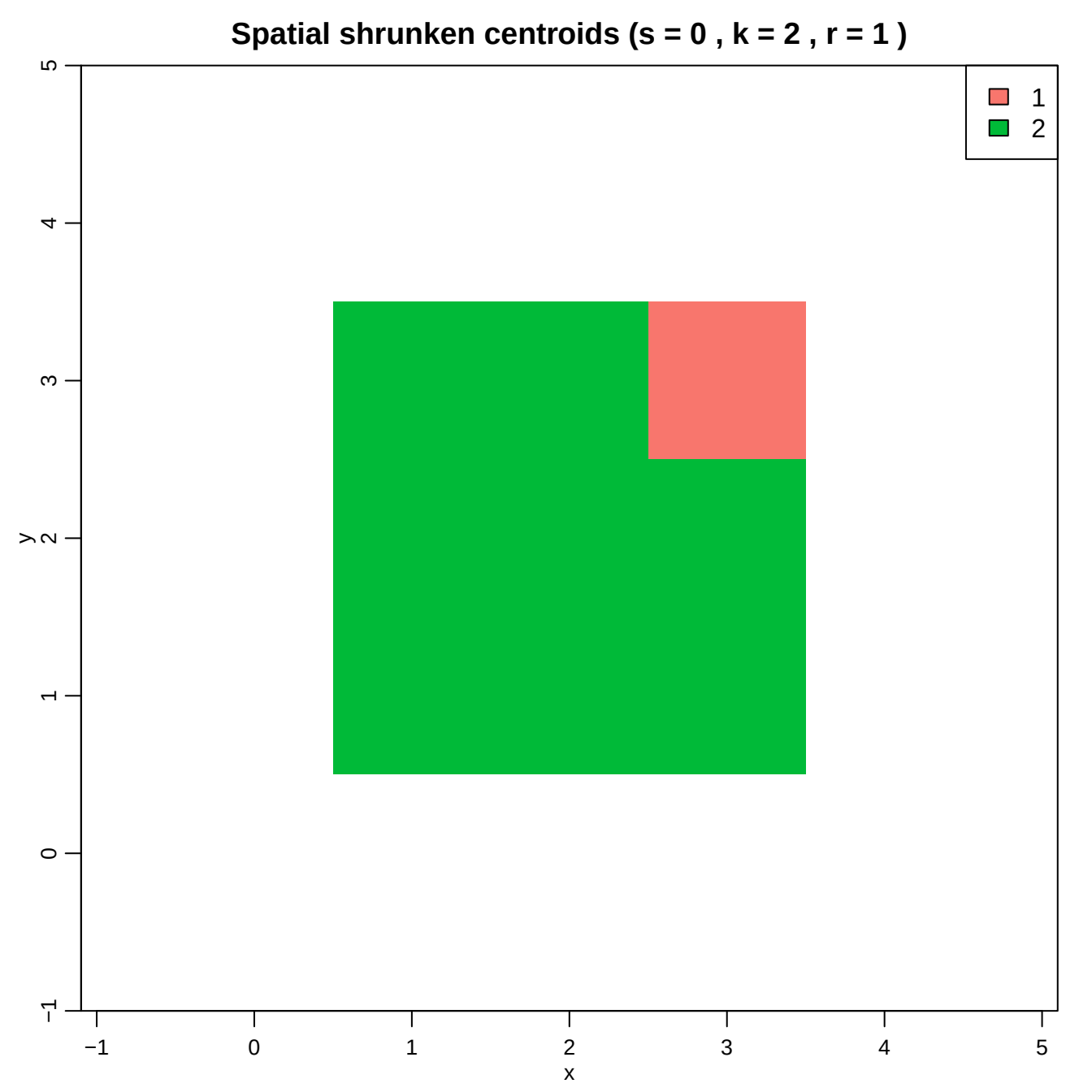
files_

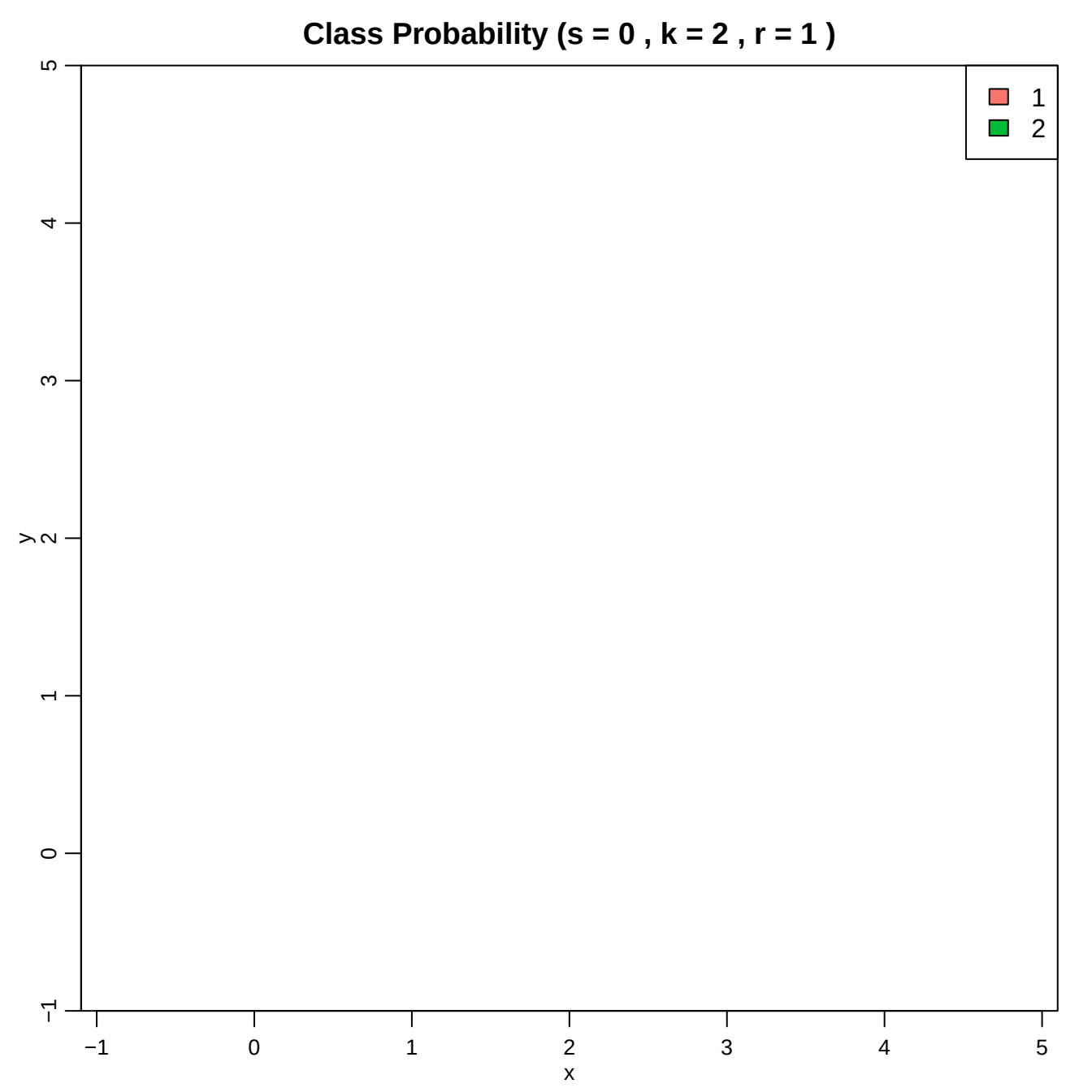
properties	values
Number of m/z features	10398
Range of m/z values	100 − 799.97
Number of pixels	9
Range of x coordinates	1 − 3
Range of y coordinates	1 − 3
Range of intensities	0 − 9.24
Number of NA intensities	0
Number of Inf intensities	0
Number of duplicated coordinates	0

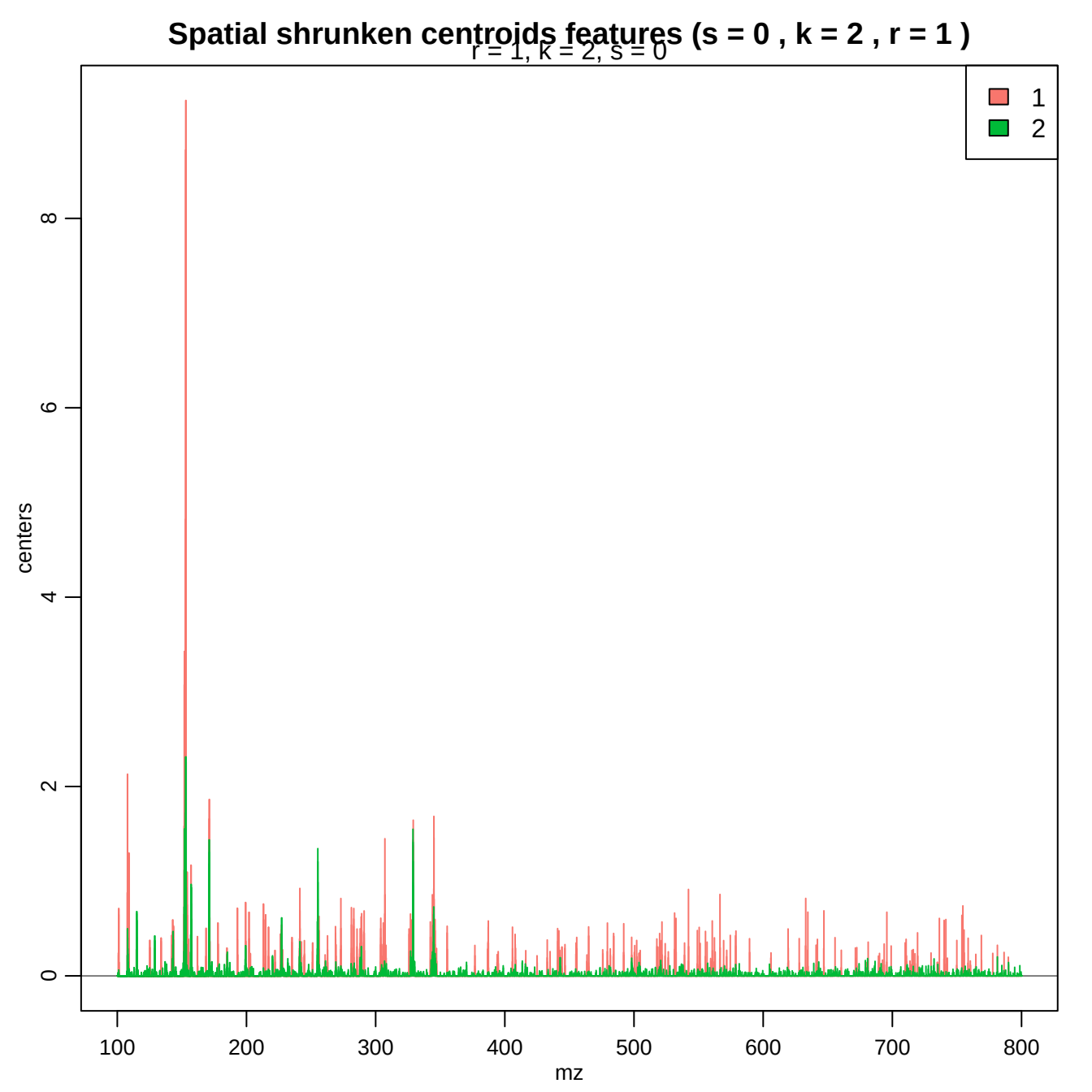
Summary for the different parameters

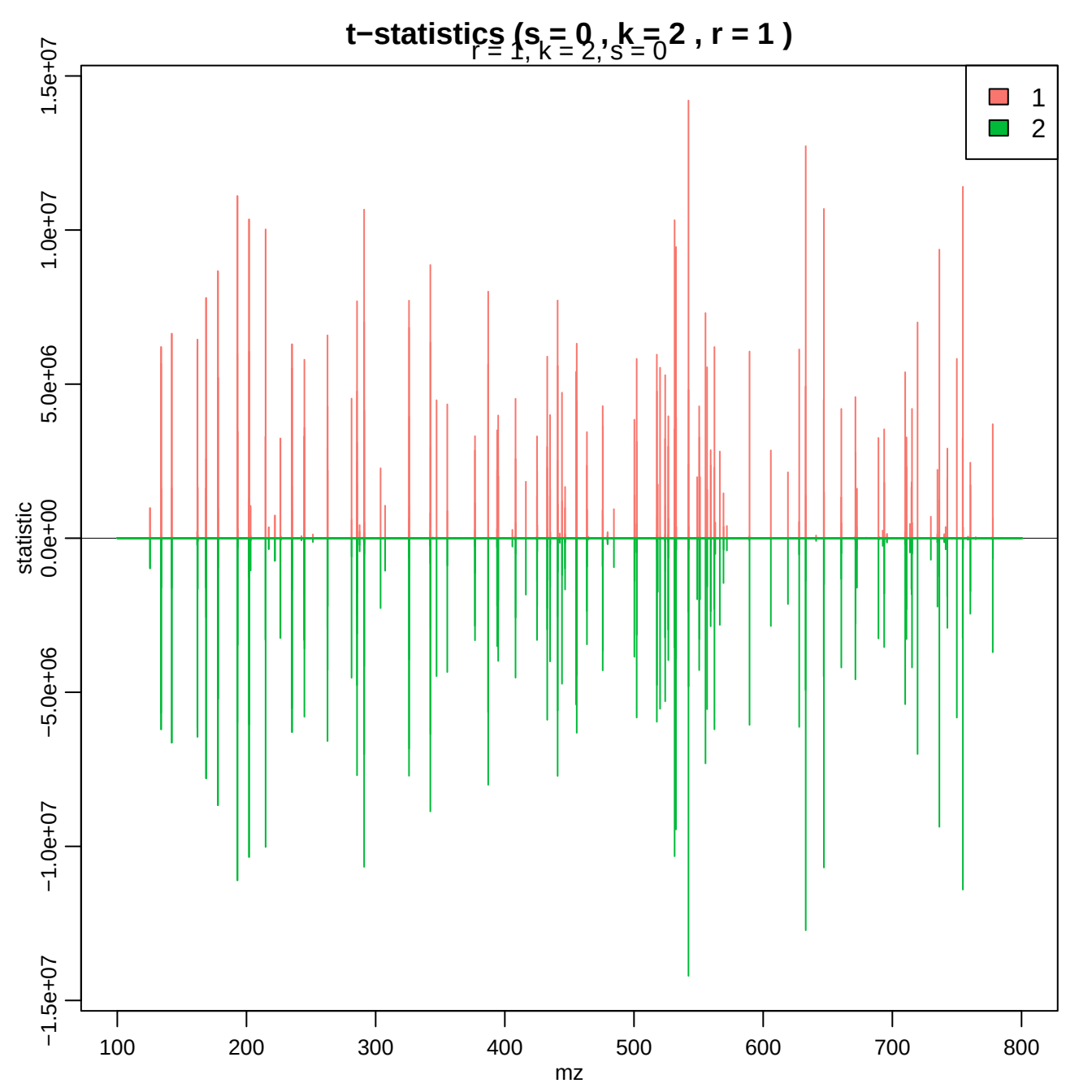
r	initial_k	s	k	features_per_k
1	2	0	2	9055
1	2	3	2	830
1	3	0	3	9055
1	3	3	3	749.33

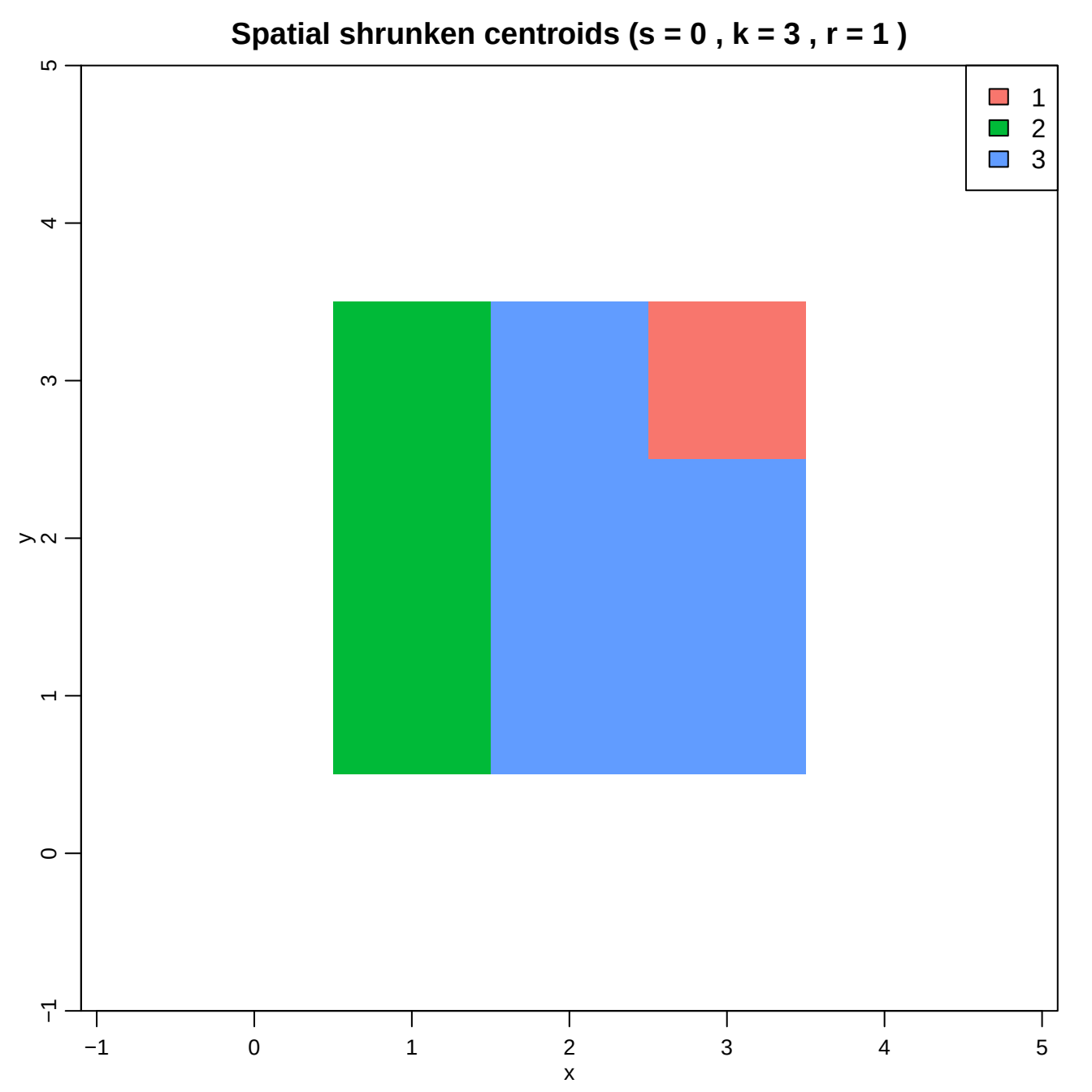

Number of segments
r = 1
3.00
2.75
2.50
2.25
2.00
predicted number of k
0
1
2
3
shrinkage parameter (s)
initial_k
2
3

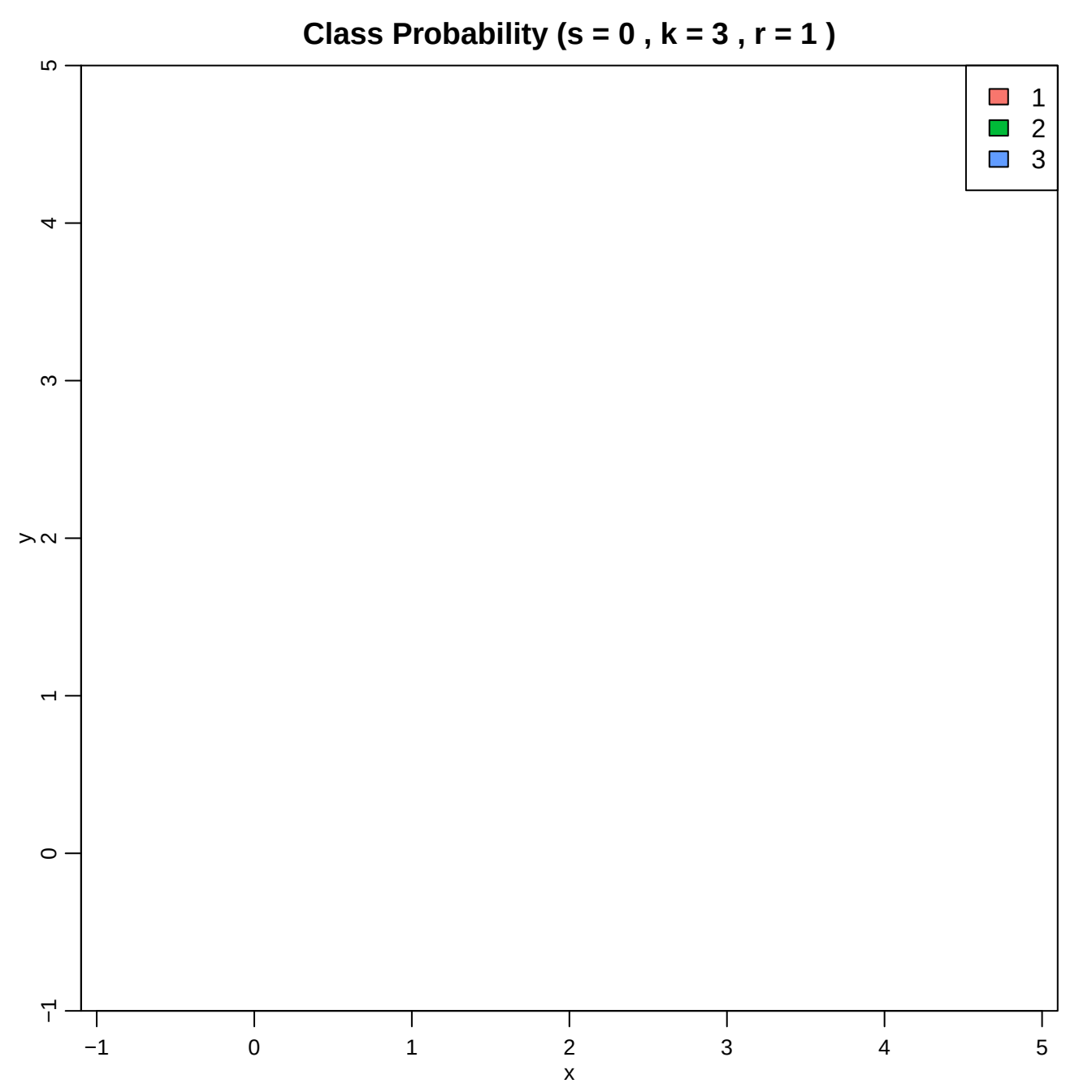

Spatial shrunken centroids (s = 0 , k = 2 , r = 1)
1
2
y
x
−1
0
1
2
3
4
5

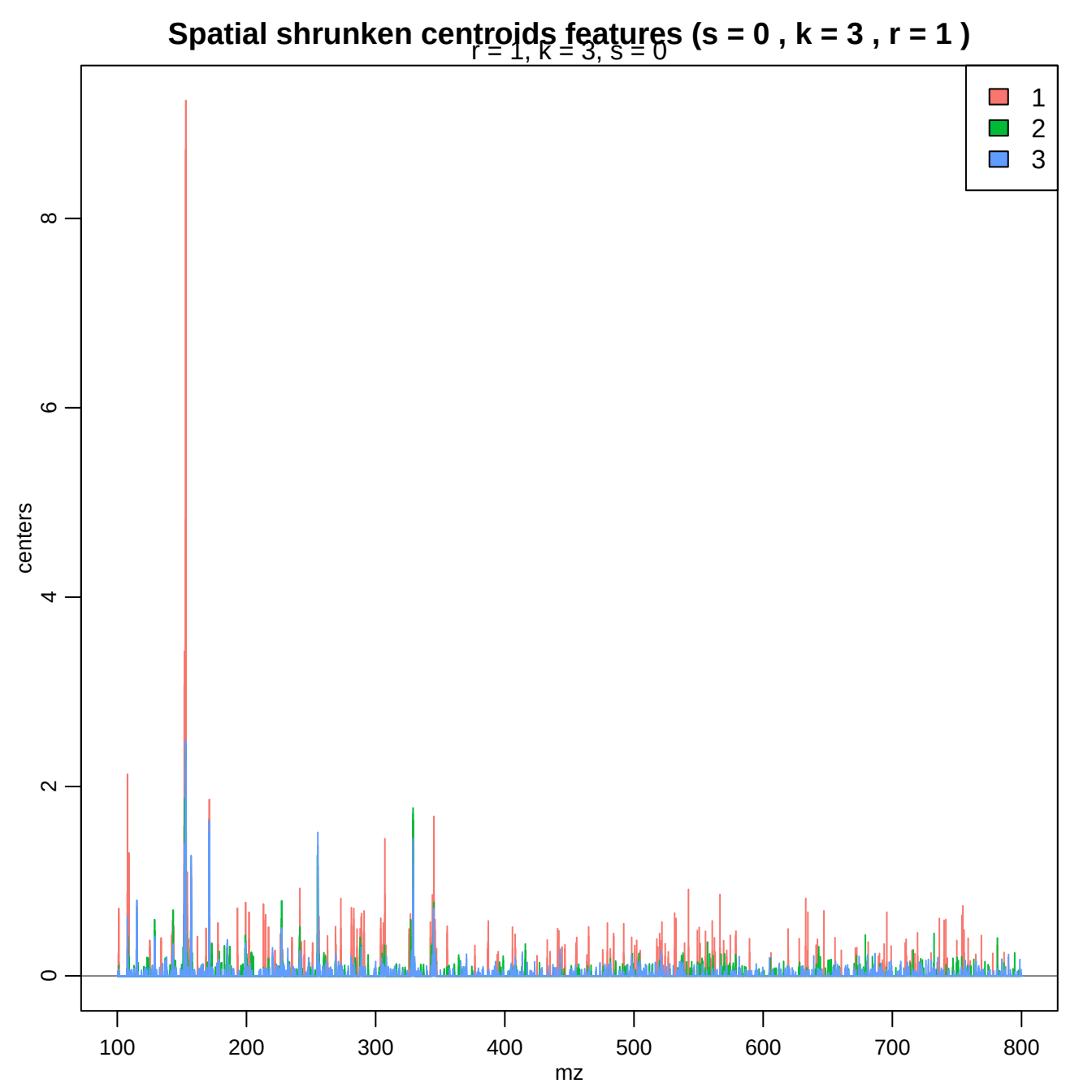

Class Probability (s = 0 , k = 2 , r = 1)
1
2
y
x
−1
0
1
2
3
4
5

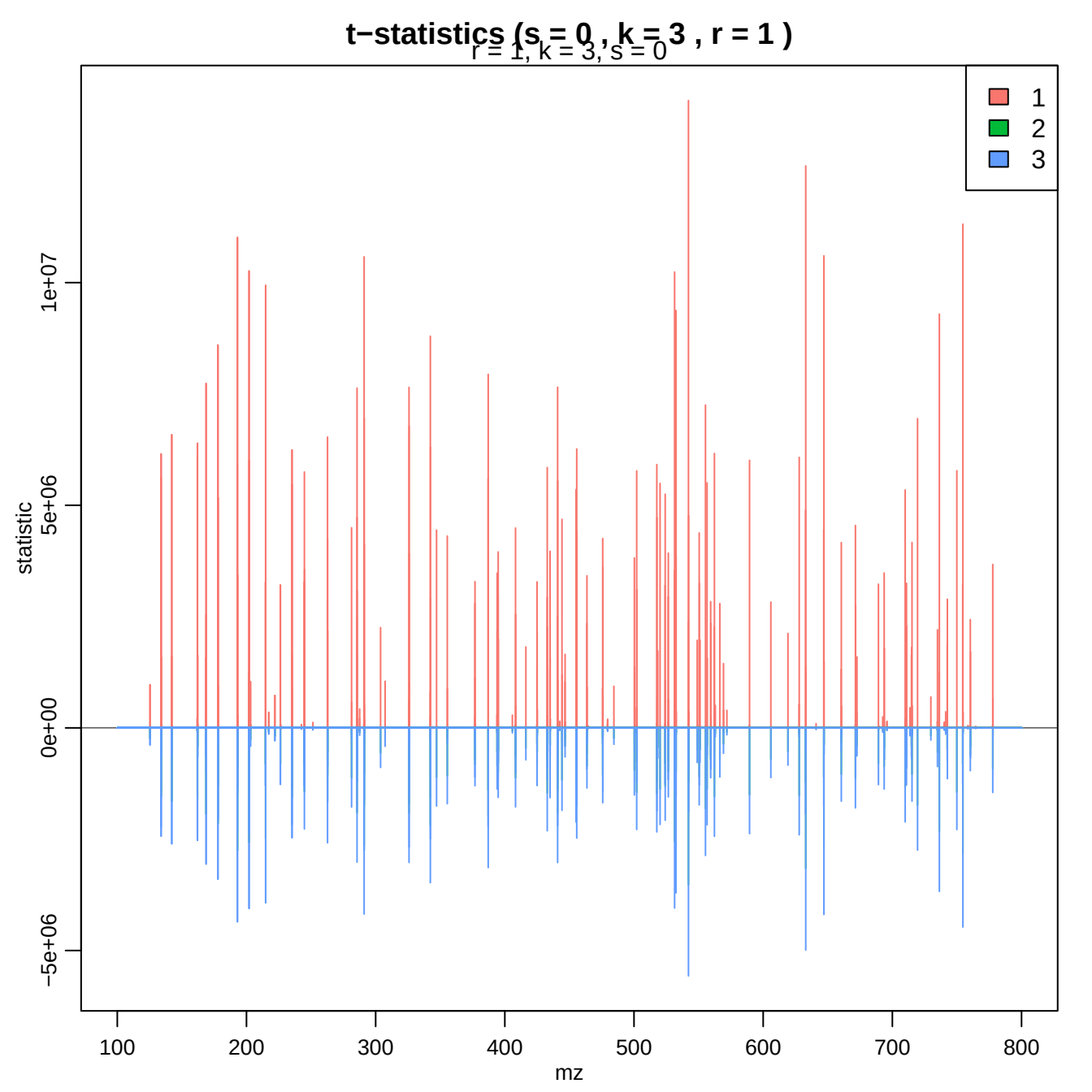

Spatial shrunken centroids features (s = 0 , k = 2 , r = 1)
r = 1, k = 2, s = 0
1
2
centers
0
2
4
6
8
100
200
300
400
500
600
700
800
mz

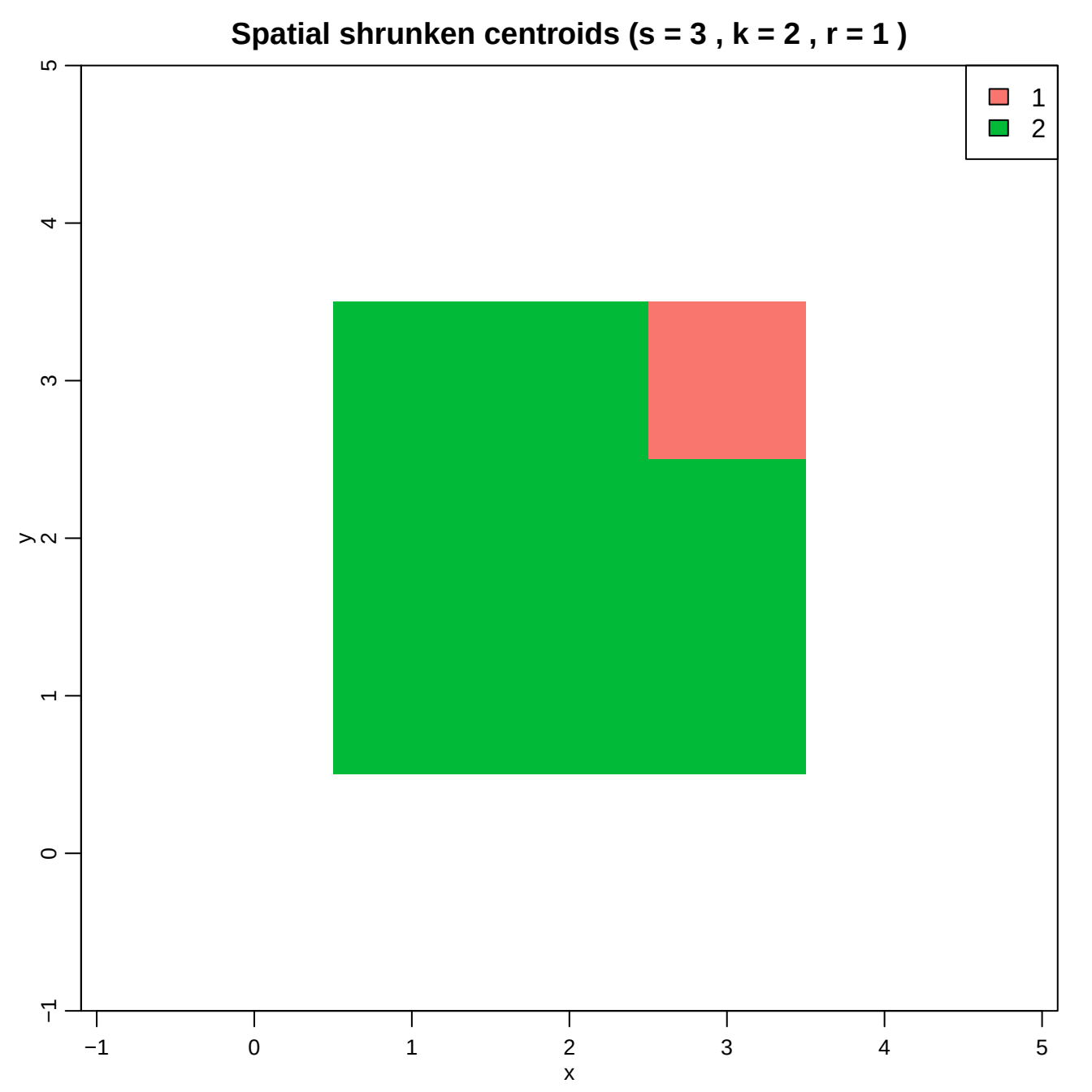

t−statistics (s = 0 , k = 2 , r = 1)
r = 1, k = 2, s = 0
1
2
statistic
1.5e+07
1.0e+07
5.0e+06
0.0e+00
−5.0e+06
−1.0e+07
−1.5e+07
100
200
300
400
500
600
700
800
mz

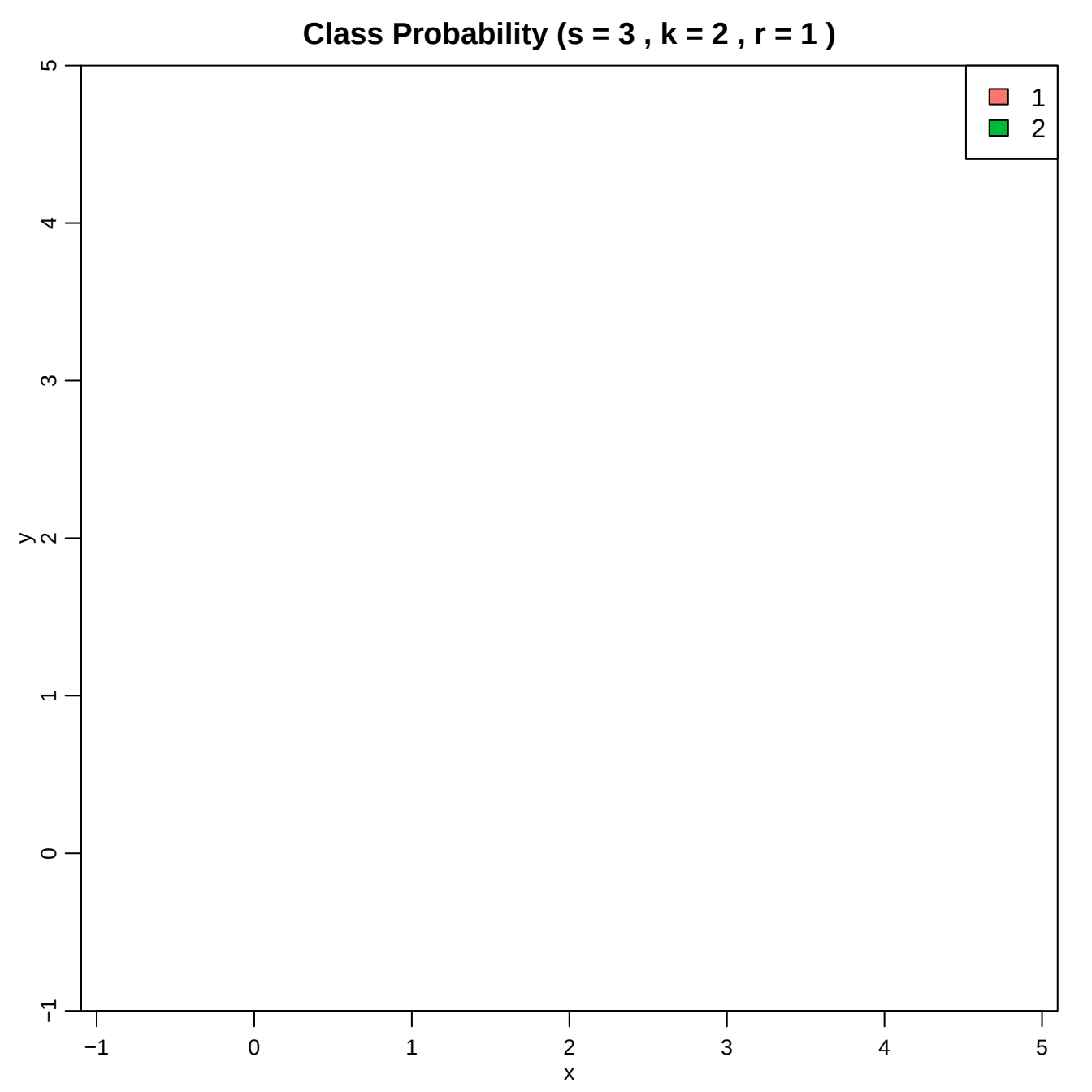

Spatial shrunken centroids (s = 0 , k = 3 , r = 1)
1
2
3
y
x
−1
0
1
2
3
4
5

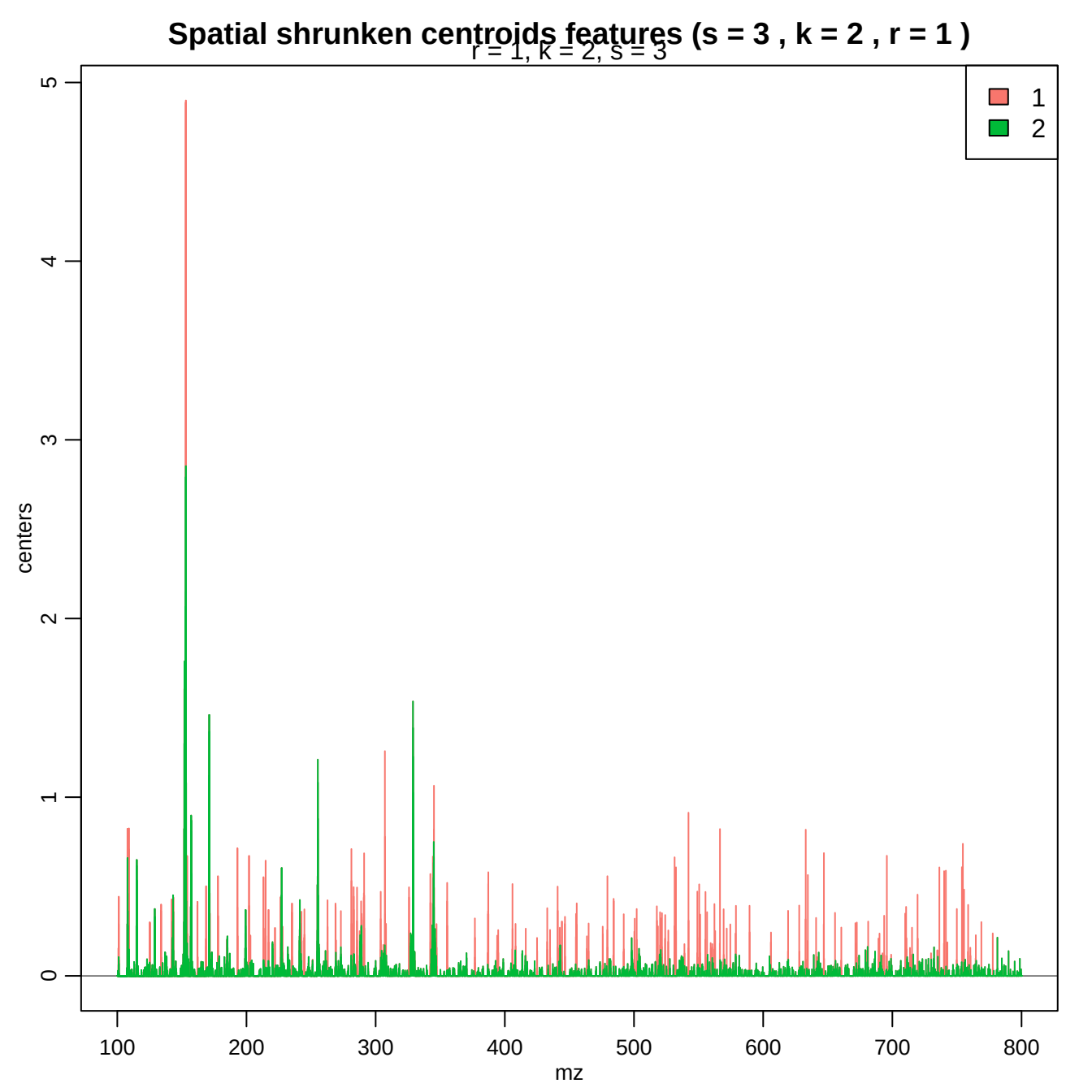

Class Probability (s = 0 , k = 3 , r = 1)
1
2
3
y
x
−1
0
1
2
3
4
5

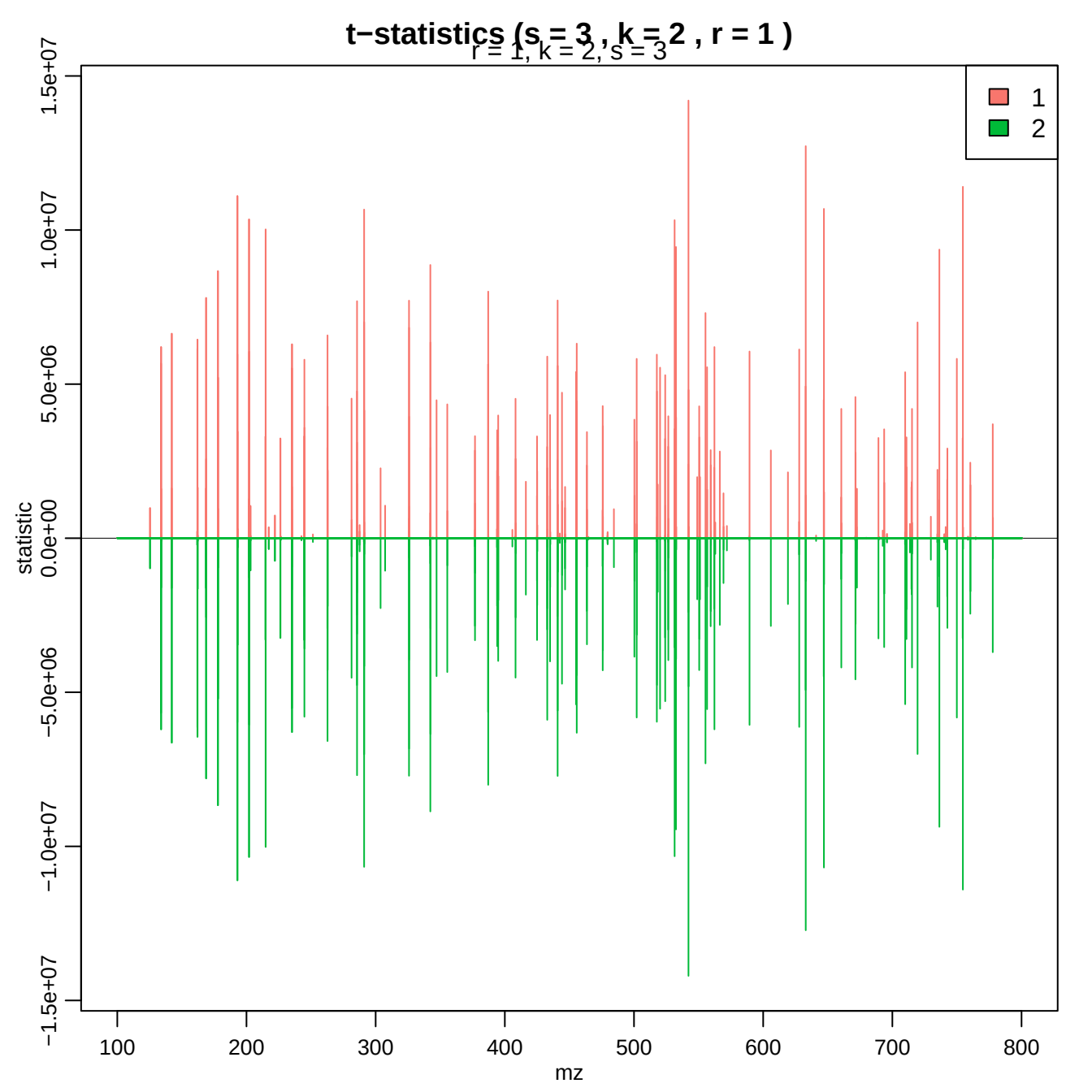

Spatial shrunken centroids features (s = 0 , k = 3 , r = 1)
r = 1, k = 3, s = 0
1
2
3
centers
0
2
4
6
8
100
200
300
400
500
600
700
800
mz

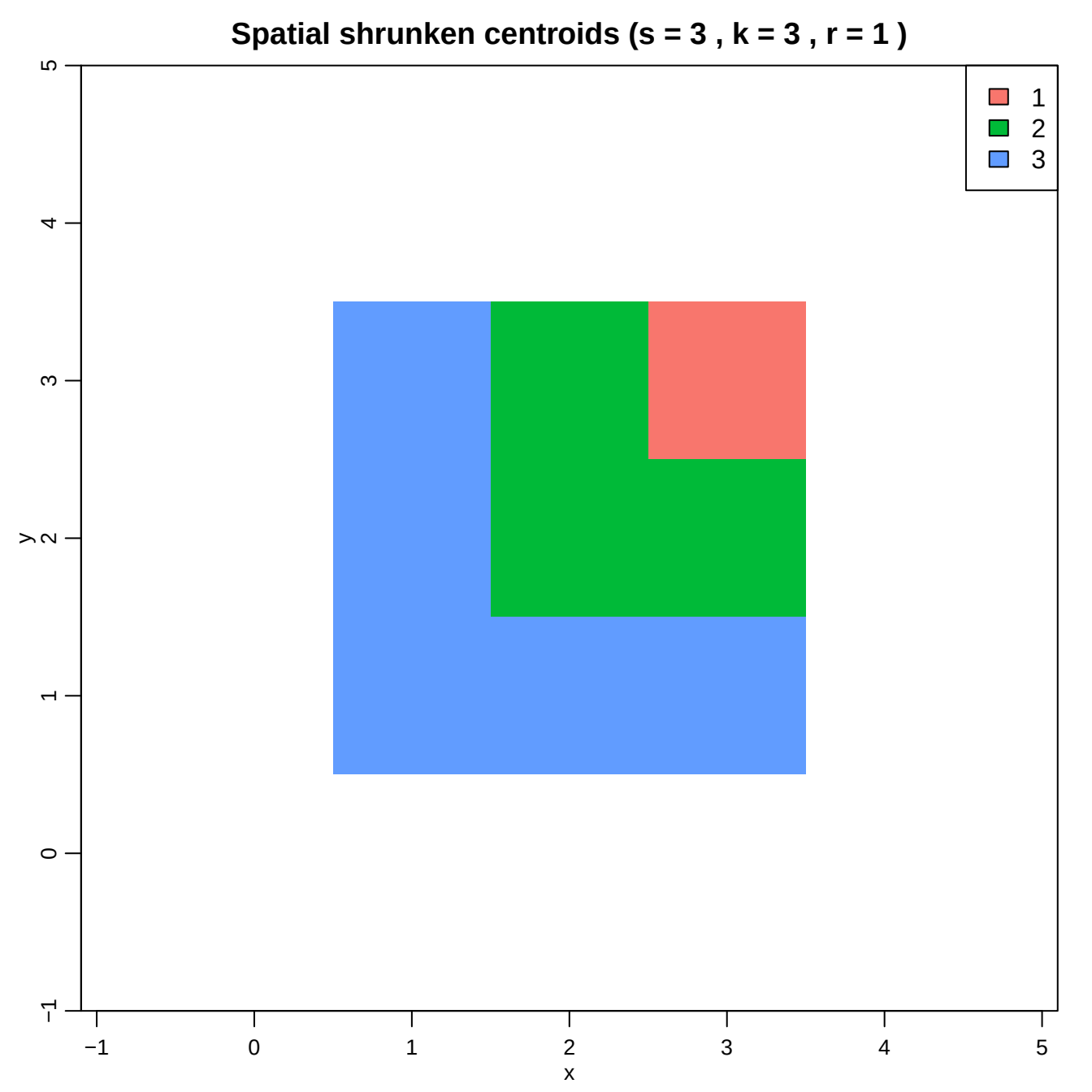

t−statistics (s = 0 , k = 3 , r = 1)
r = 1, k = 3, s = 0
1
2
3
statistic
1e+07
5e+06
0e+00
−5e+06
100
200
300
400
500
600
700
800
mz

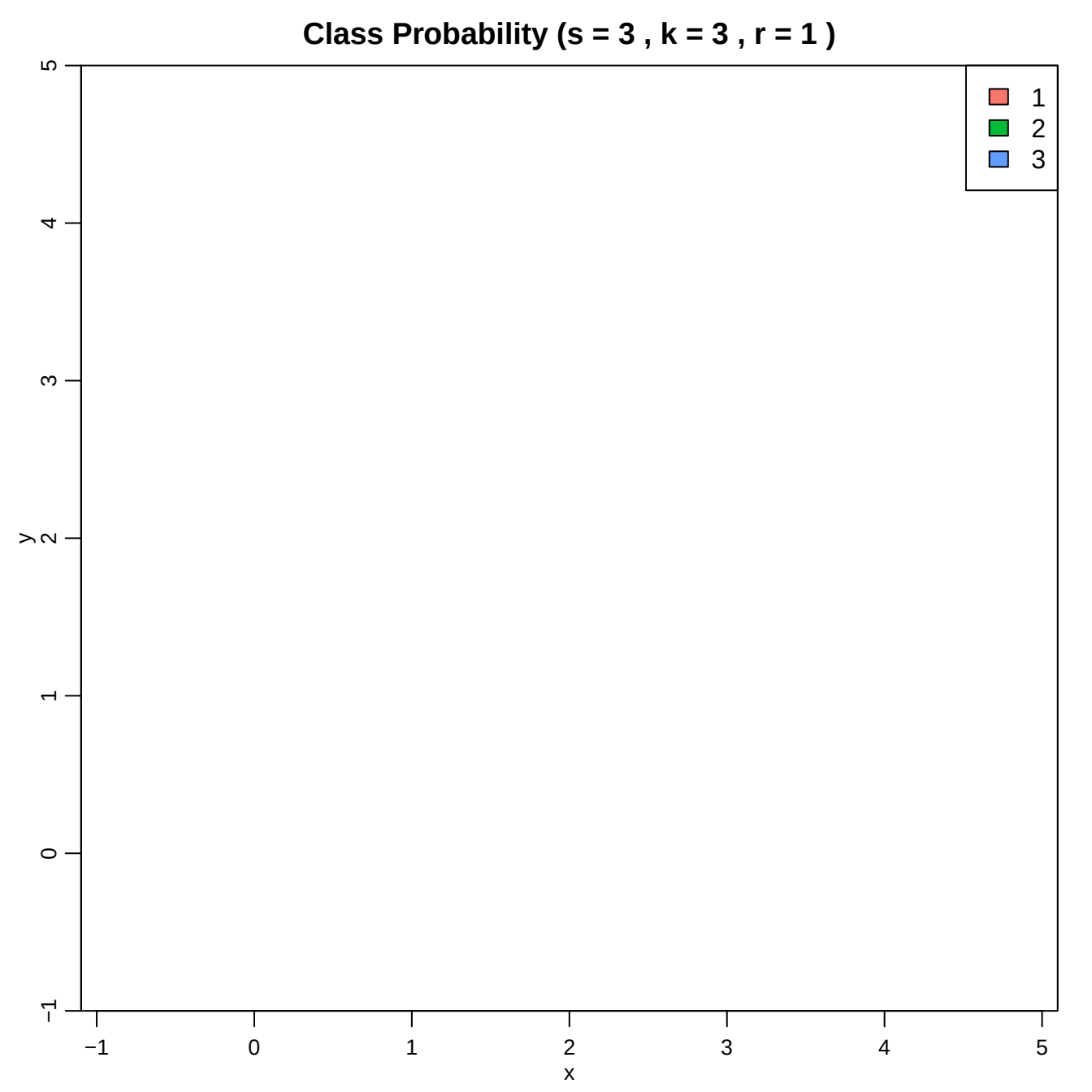

Spatial shrunken centroids (s = 3 , k = 2 , r = 1)
1
2
y
x
−1
0
1
2
3
4
5

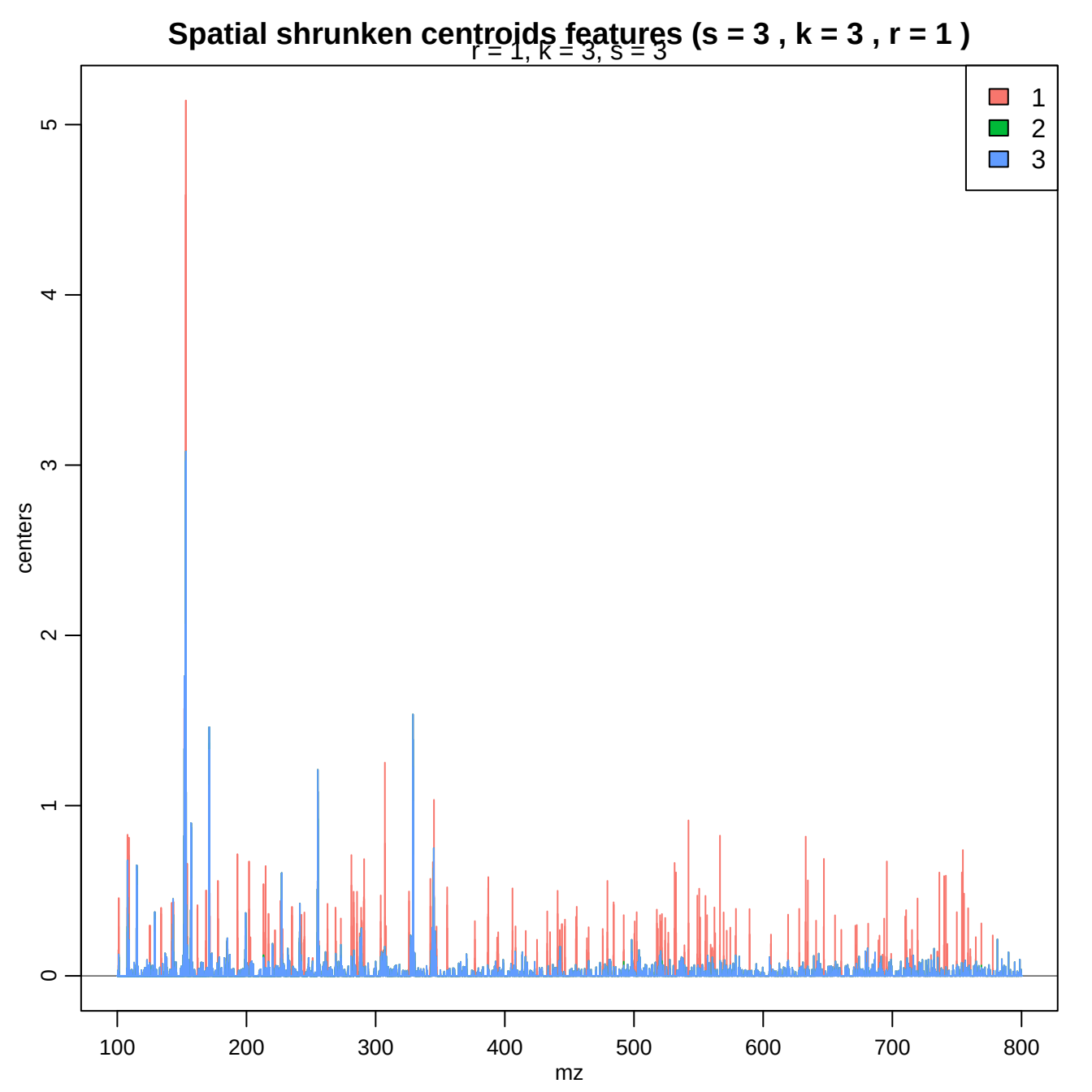

Class Probability (s = 3 , k = 2 , r = 1)
1
2
y
x
−1
0
1
2
3
4
5

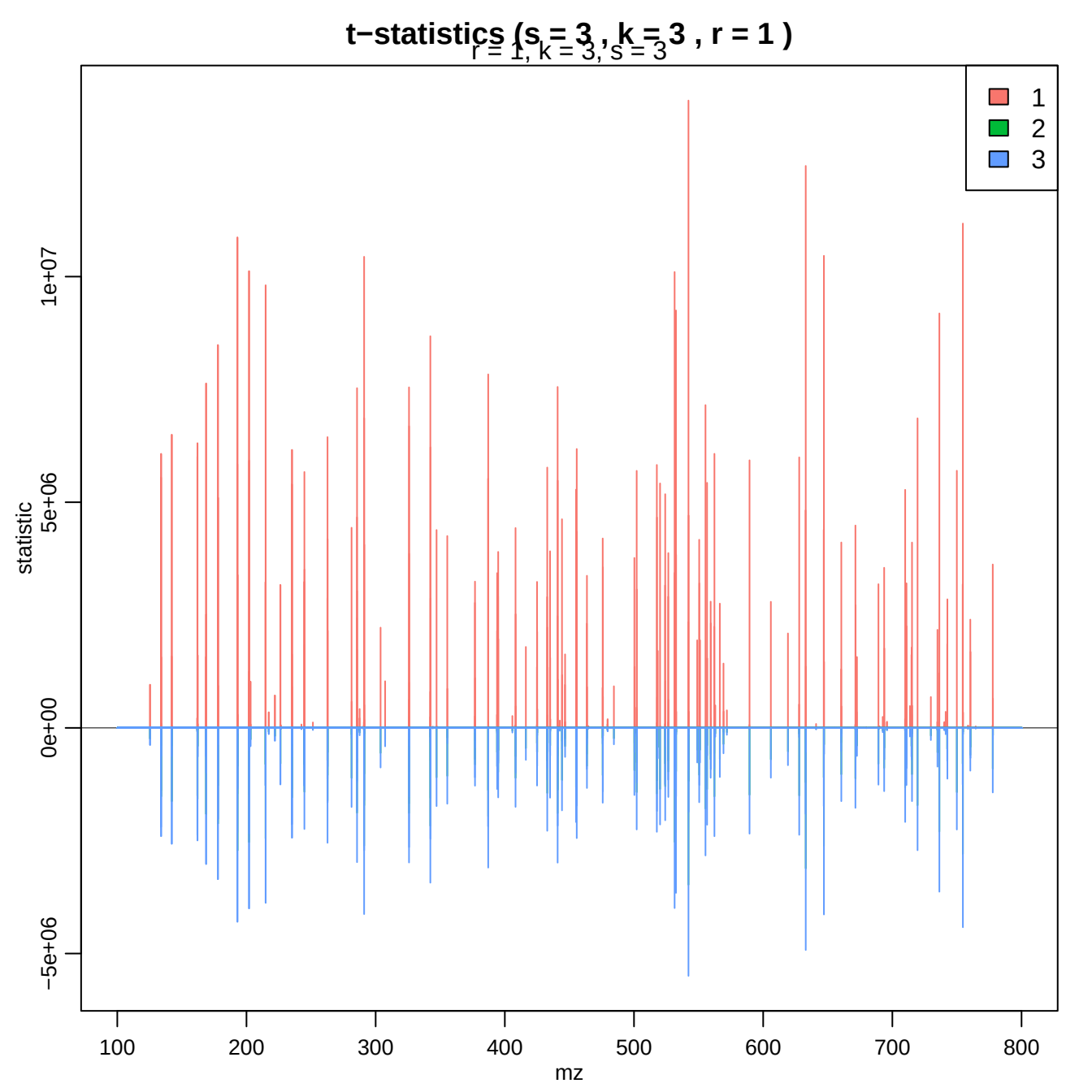

Spatial shrunken centroids features (s = 3 , k = 2 , r = 1)
r = 1, k = 2, s = 3
1
2
centers
0
1
2
3
4
5
100
200
300
400
500
600
700
800
mz


t−statistics (s = 3 , k = 2 , r = 1)
r = 1, k = 2, s = 3
1
2
statistic
1.5e+07
1.0e+07
5.0e+06
0.0e+00
−5.0e+06
−1.0e+07
−1.5e+07
100
200
300
400
500
600
700
800
mz


Spatial shrunken centroids (s = 3 , k = 3 , r = 1)
1
2
3
y
x
−1
0
1
2
3
4
5


Class Probability (s = 3 , k = 3 , r = 1)
1
2
3
y
x
−1
0
1
2
3
4
5


Spatial shrunken centroids features (s = 3 , k = 3 , r = 1)
r = 1, k = 3, s = 3
1
2
3
centers
0
1
2
3
4
5
100
200
300
400
500
600
700
800
mz


t−statistics (s = 3 , k = 3 , r = 1)
r = 1, k = 3, s = 3
1
2
3
1e+07
5e+06
0e+00
−5e+06
statistic
100
200
300
400
500
600
700
800
mz