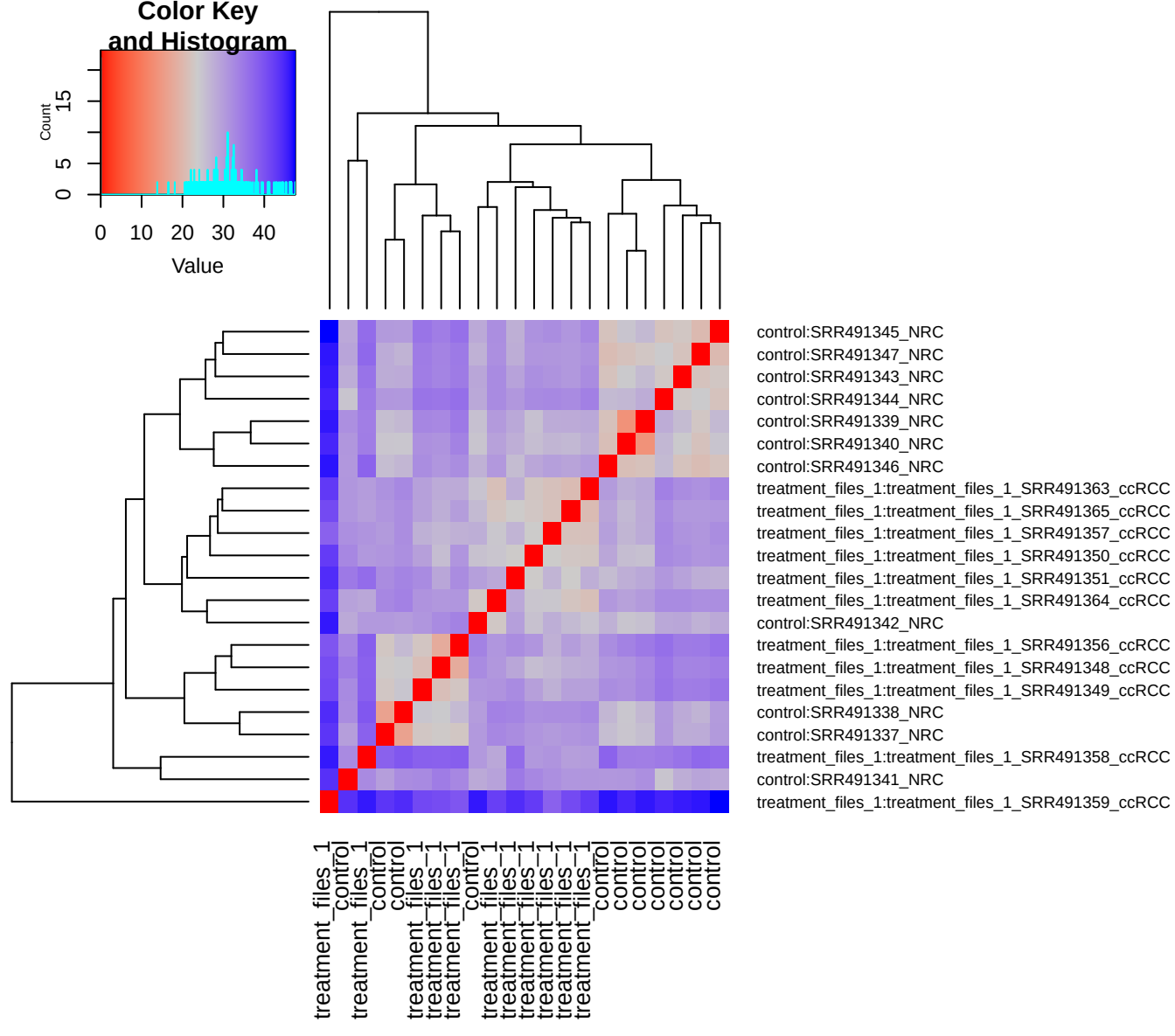
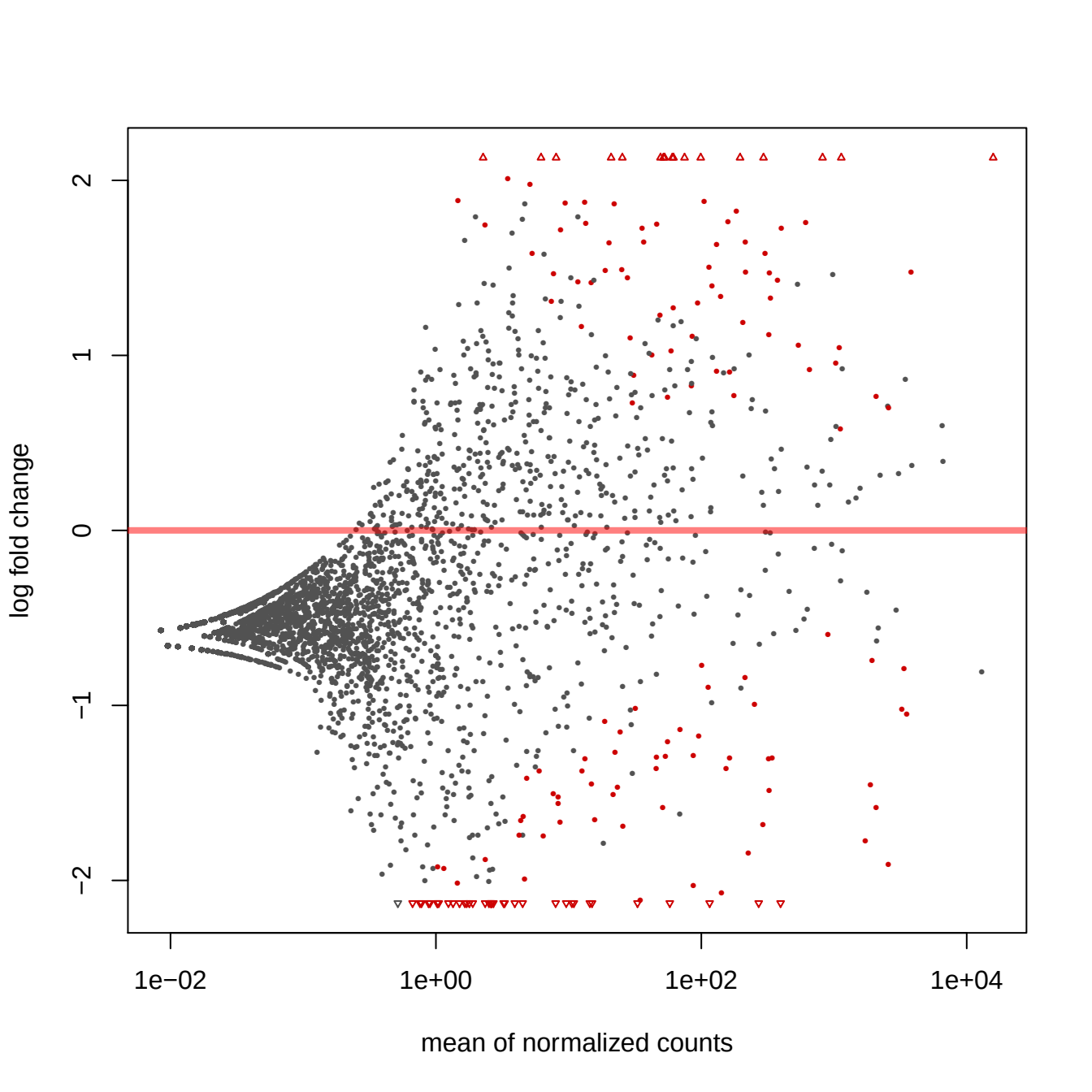
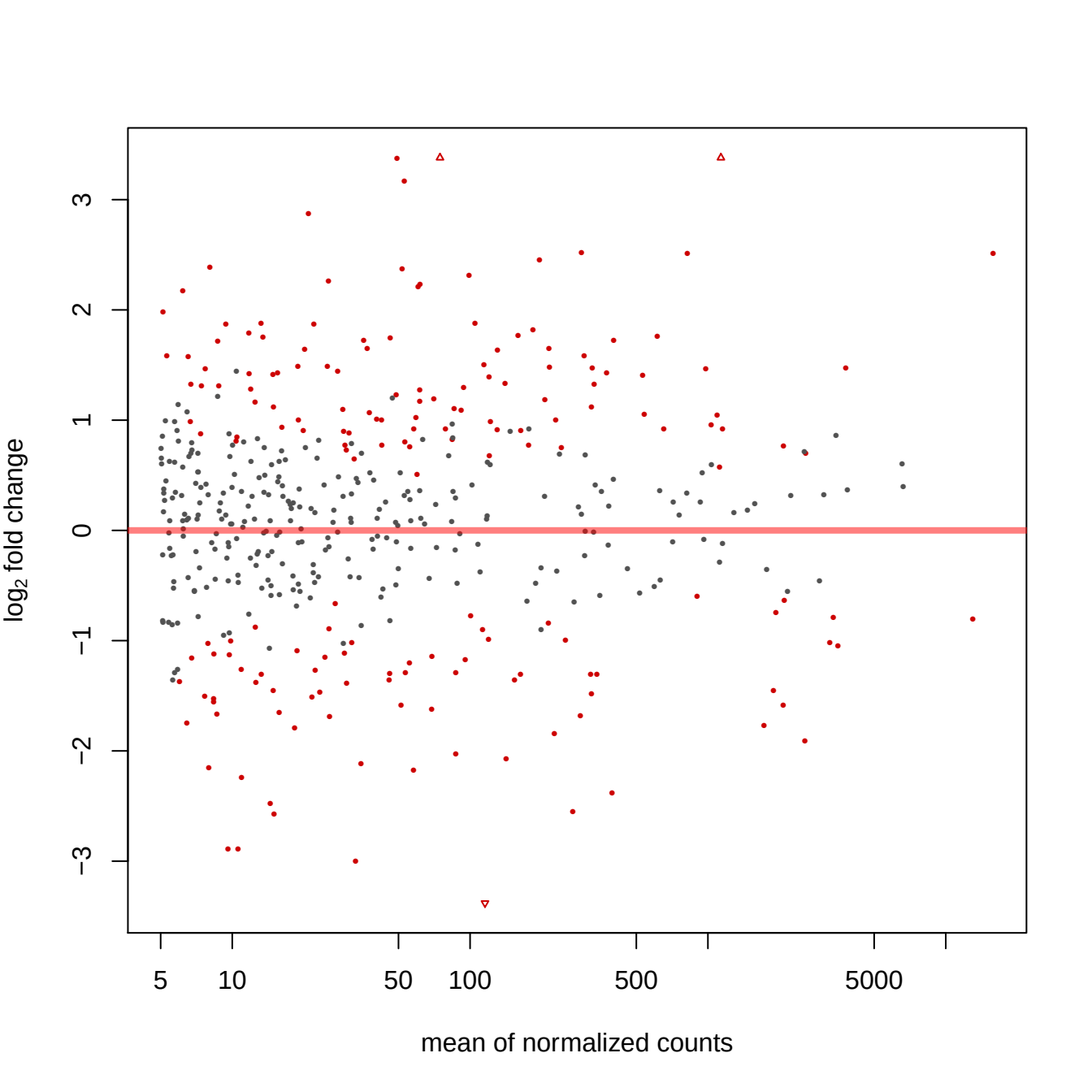
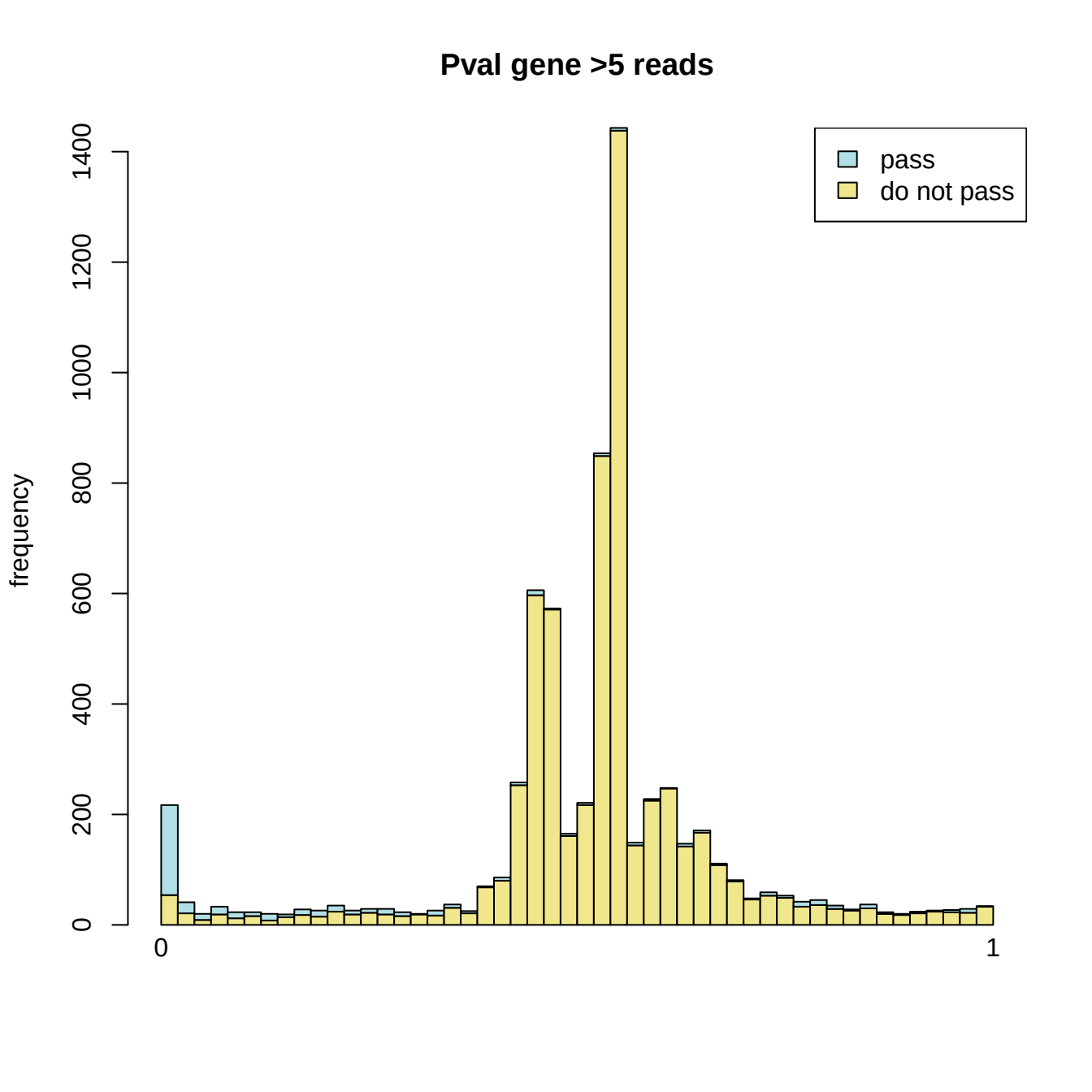
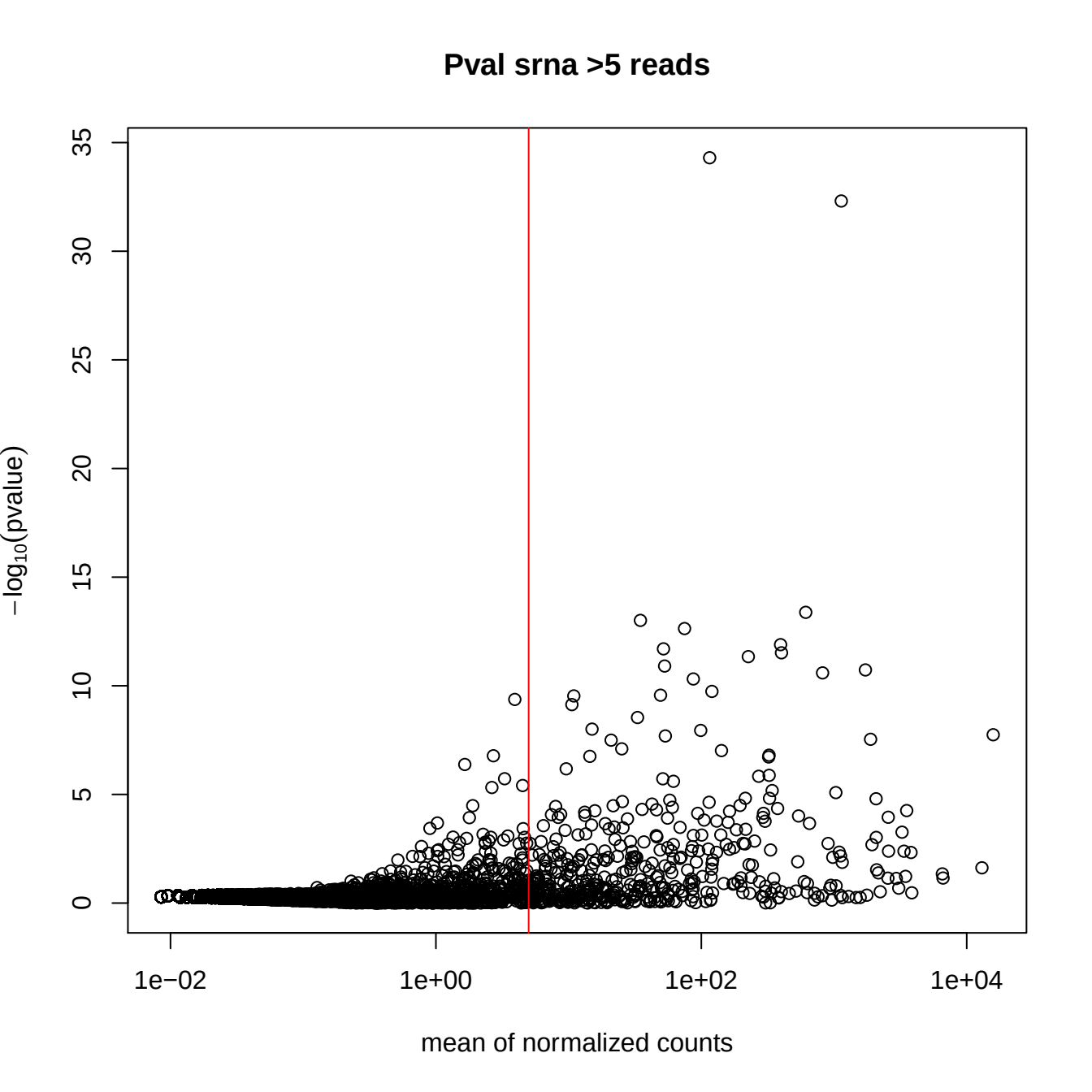
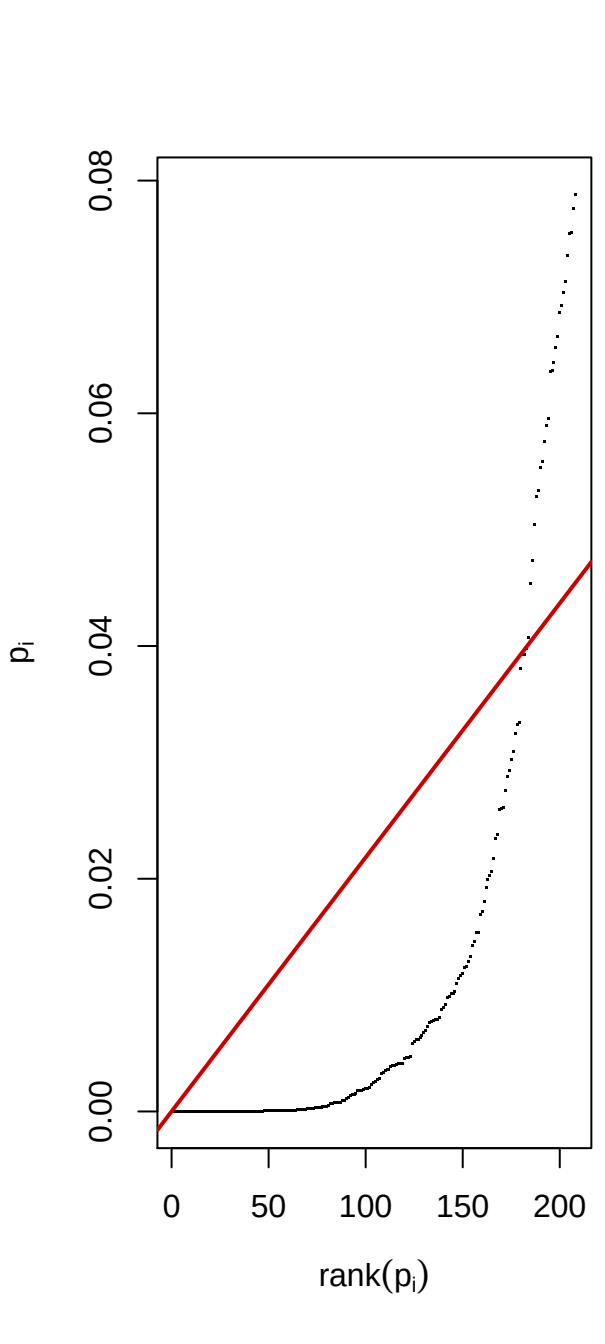

Color Key and Histogram
Count
0
5
15
0
10
20
30
40
Value
control:SRR491345_NRC
control:SRR491347_NRC
control:SRR491343_NRC
control:SRR491344_NRC
control:SRR491339_NRC
control:SRR491340_NRC
control:SRR491346_NRC
treatment_files_1:treatment_files_1_SRR491363_ccRCC
treatment_files_1:treatment_files_1_SRR491365_ccRCC
treatment_files_1:treatment_files_1_SRR491357_ccRCC
treatment_files_1:treatment_files_1_SRR491350_ccRCC
treatment_files_1:treatment_files_1_SRR491351_ccRCC
treatment_files_1:treatment_files_1_SRR491364_ccRCC
control:SRR491342_NRC
treatment_files_1:treatment_files_1_SRR491356_ccRCC
treatment_files_1:treatment_files_1_SRR491348_ccRCC
treatment_files_1:treatment_files_1_SRR491349_ccRCC
control:SRR491338_NRC
control:SRR491337_NRC
treatment_files_1:treatment_files_1_SRR491358_ccRCC
control:SRR491341_NRC
treatment_files_1:treatment_files_1_SRR491359_ccRCC
treatment_files_1
treatment_files_1
treatment_files_1
treatment_files_1
treatment_files_1
treatment_files_1
treatment_files_1
treatment_files_1
treatment_files_1
treatment_files_1
control
control
control
control
control
control

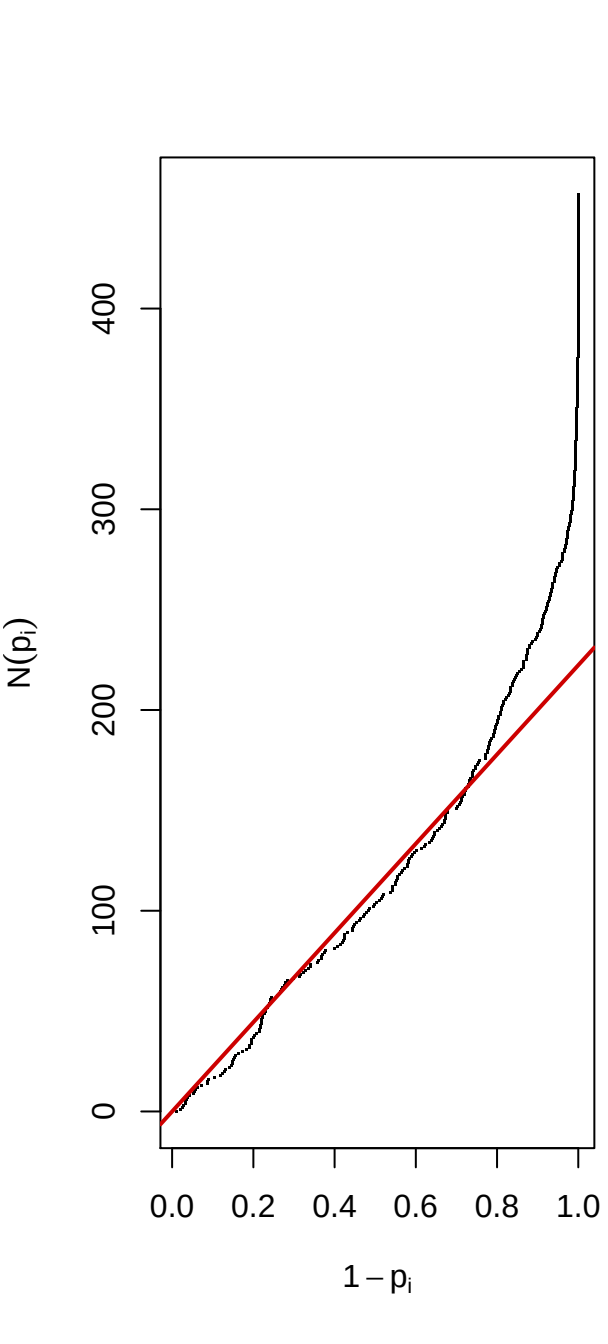

log fold change
2
1
0
−1
−2
1e−02
1e+00
1e+02
1e+04
mean of normalized counts


log2 fold change
3
2
1
0
−1
−2
−3
5
10
50
100
500
5000
mean of normalized counts

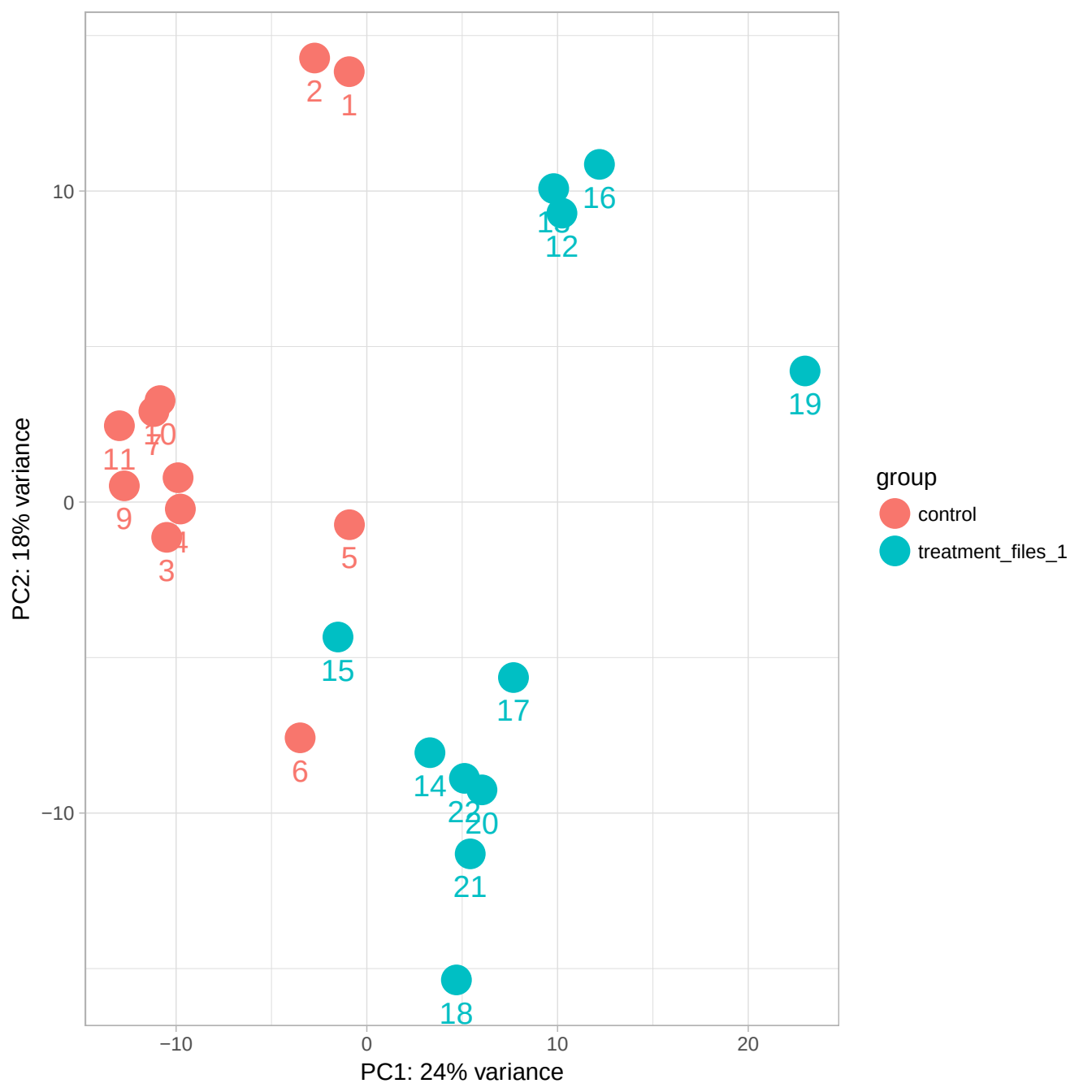

Pval gene >5 reads
pass
do not pass
frequency
0
200
400
600
800
1000
1200
1400
0
1

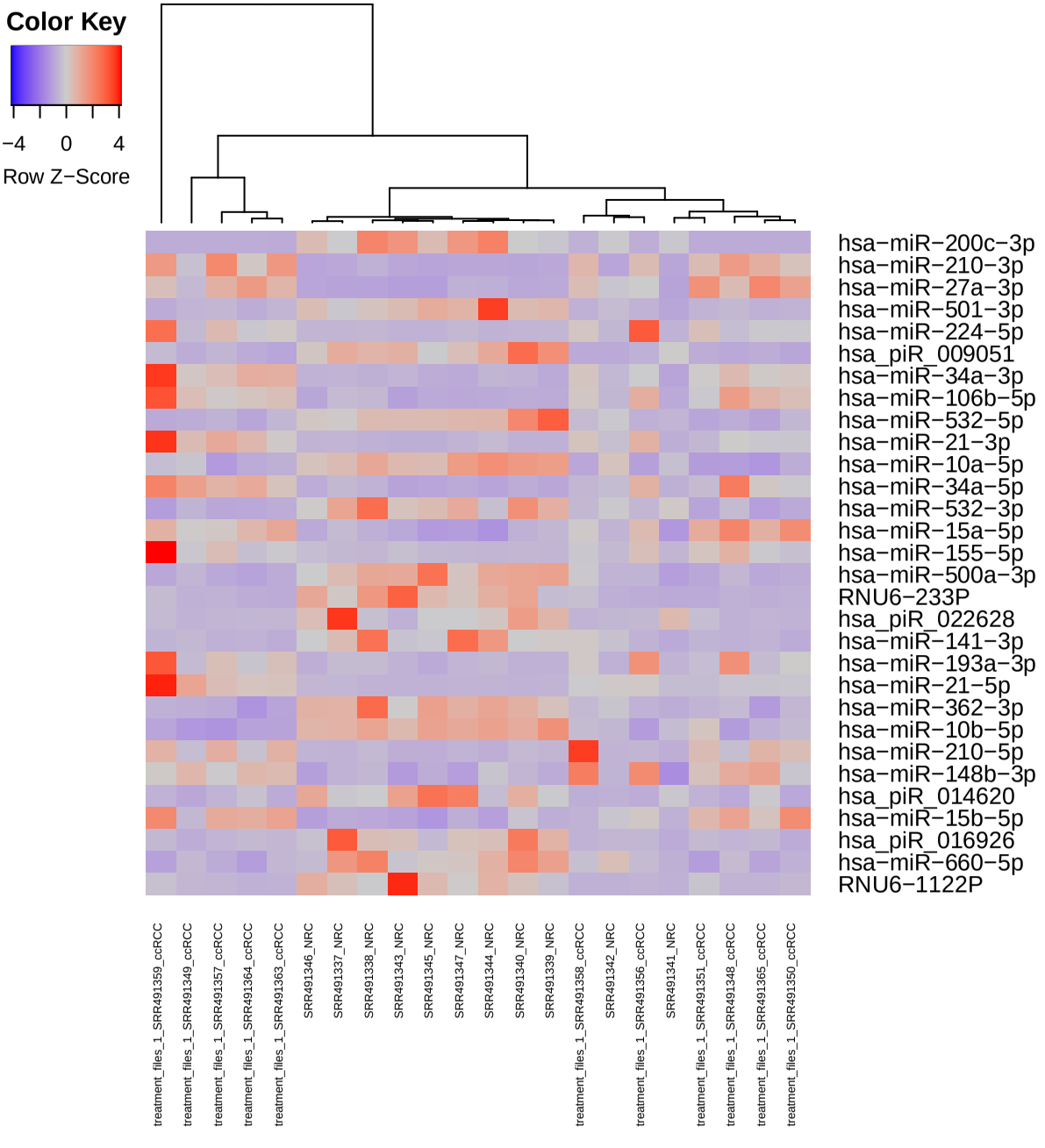

Pval srna >5 reads
−log10(pvalue)
0
5
10
15
20
25
30
35
1e−02
1e+00
1e+02
1e+04
mean of normalized counts

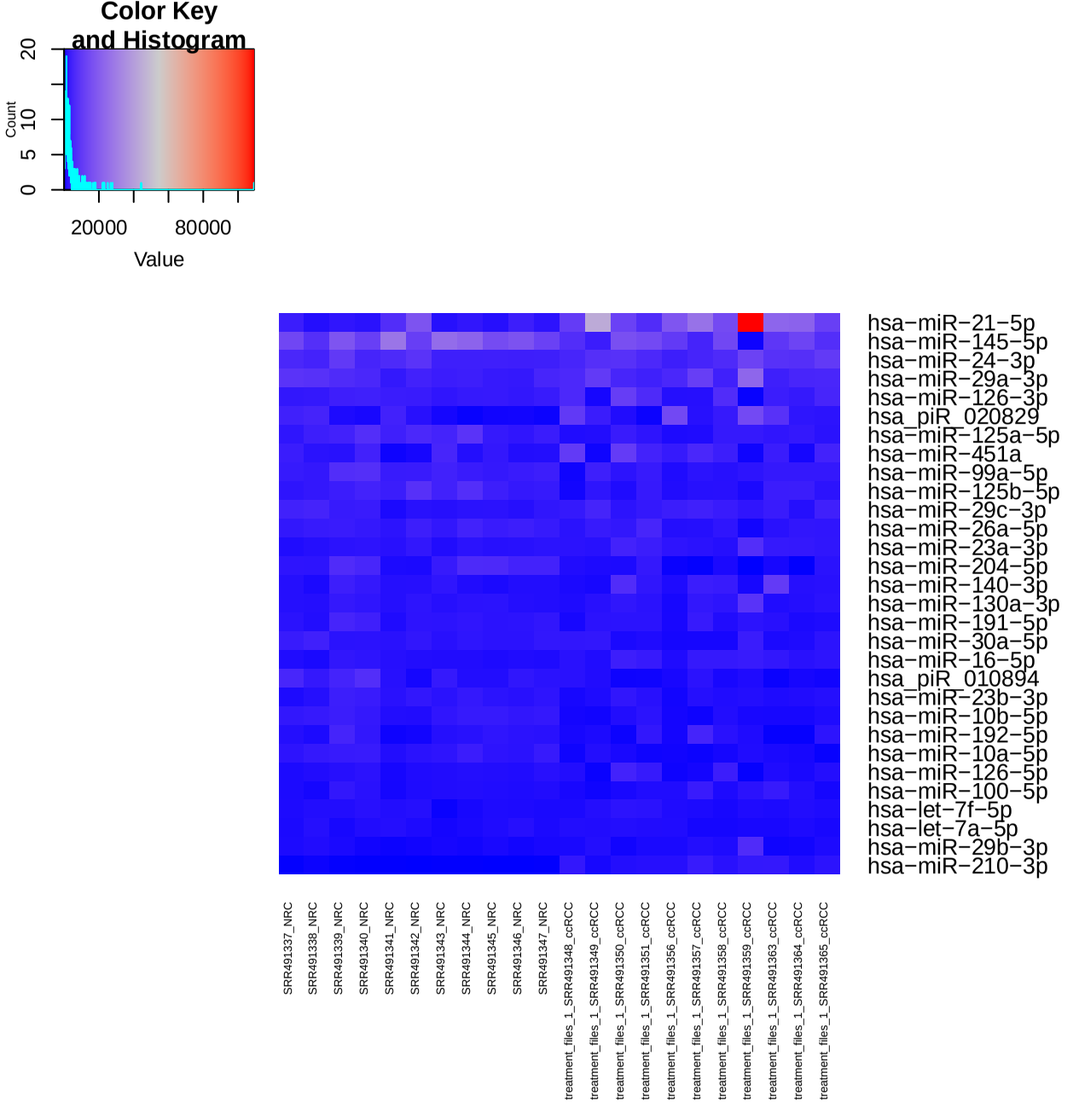

0.00
0.02
0.04
0.06
0.08
p_i
0
50
100
150
200
rank(p_i)

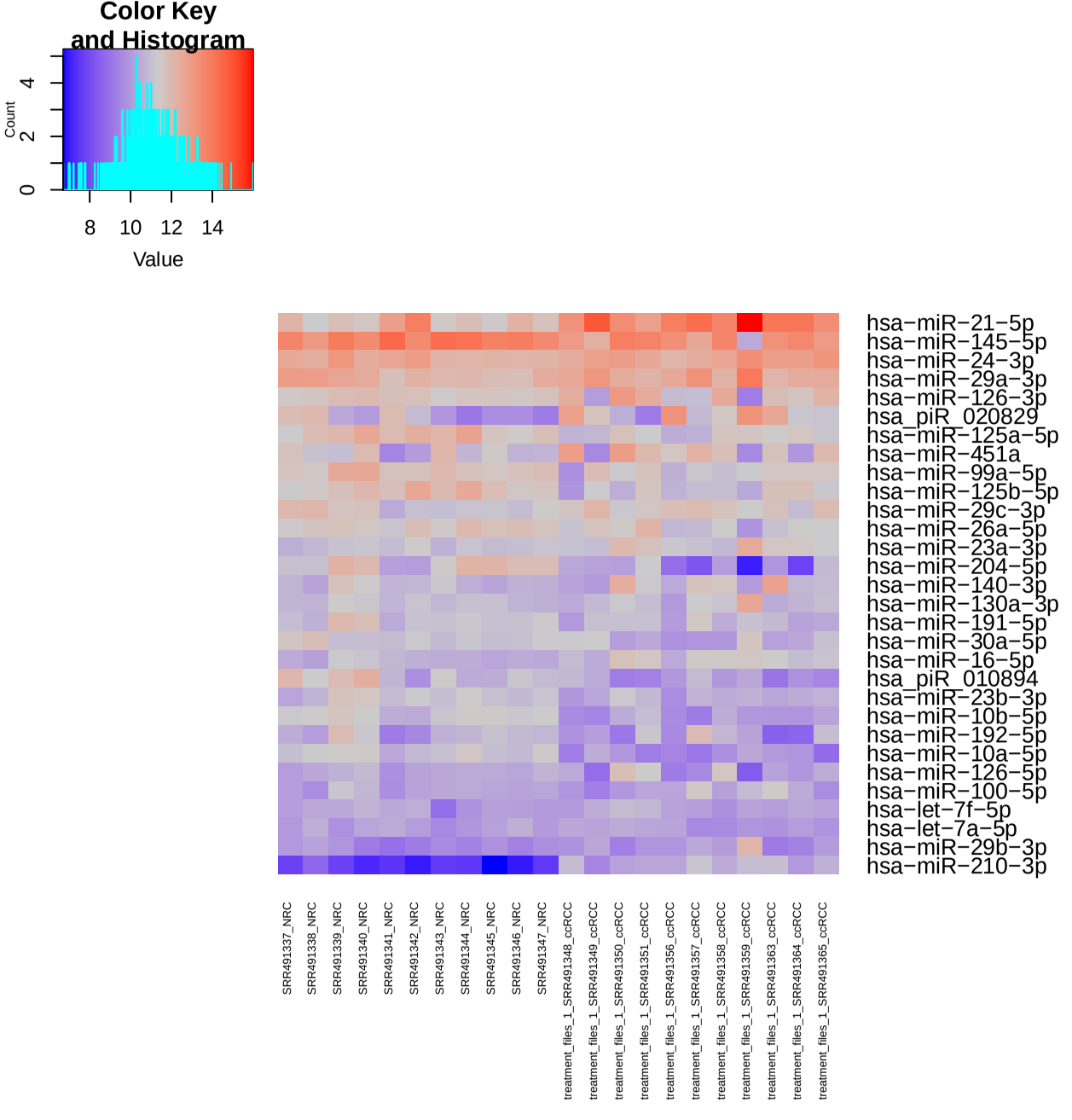

0
100
200
300
400
$N(p_i)$
0.0
0.2
0.4
0.6
0.8
1.0
$1 - p_i$

1:SRR491337_NRC
2:SRR491338_NRC
3:SRR491339_NRC
4:SRR491340_NRC
5:SRR491341_NRC
6:SRR491342_NRC
7:SRR491343_NRC
8:SRR491344_NRC
9:SRR491345_NRC
10:SRR491346_NRC
11:SRR491347_NRC
12:treatment_files_1_SRR491348_ccRCC
13:treatment_files_1_SRR491349_ccRCC
14:treatment_files_1_SRR491350_ccRCC
15:treatment_files_1_SRR491351_ccRCC
16:treatment_files_1_SRR491356_ccRCC
17:treatment_files_1_SRR491357_ccRCC
18:treatment_files_1_SRR491358_ccRCC
19:treatment_files_1_SRR491359_ccRCC
20:treatment_files_1_SRR491363_ccRCC
21:treatment_files_1_SRR491364_ccRCC
22:treatment_files_1_SRR491365_ccRCC


2
1
16
12
19
10
7
11
9
5
3
15
17
6
14
22
20
21
18
10
0
−10
−10
0
10
20
PC2: 18% variance
PC1: 24% variance
group
control
treatment_files_1


Color Key
−4
0
4
Row Z−Score
hsa−miR−200c−3p
hsa−miR−210−3p
hsa−miR−27a−3p
hsa−miR−501−3p
hsa−miR−224−5p
hsa_piR_009051
hsa−miR−34a−3p
hsa−miR−106b−5p
hsa−miR−532−5p
hsa−miR−21−3p
hsa−miR−10a−5p
hsa−miR−34a−5p
hsa−miR−532−3p
hsa−miR−15a−5p
hsa−miR−155−5p
hsa−miR−500a−3p
RNU6−233P
hsa_piR_022628
hsa−miR−141−3p
hsa−miR−193a−3p
hsa−miR−21−5p
hsa−miR−362−3p
hsa−miR−10b−5p
hsa−miR−210−5p
hsa−miR−148b−3p
hsa_piR_014620
hsa−miR−15b−5p
hsa_piR_016926
hsa−miR−660−5p
RNU6−1122P
treatment_files_1_SRR491359_ccRCC
treatment_files_1_SRR491349_ccRCC
treatment_files_1_SRR491357_ccRCC
treatment_files_1_SRR491364_ccRCC
treatment_files_1_SRR491363_ccRCC
SRR491346_NRC
SRR491337_NRC
SRR491338_NRC
SRR491343_NRC
SRR491345_NRC
SRR491347_NRC
SRR491344_NRC
SRR491340_NRC
SRR491339_NRC
treatment_files_1_SRR491358_ccRCC
SRR491342_NRC
treatment_files_1_SRR491356_ccRCC
SRR491341_NRC
treatment_files_1_SRR491351_ccRCC
treatment_files_1_SRR491348_ccRCC
treatment_files_1_SRR491365_ccRCC
treatment_files_1_SRR491350_ccRCC


Color Key and Histogram
Count
0
5
10
20
20000
80000
Value
hsa−miR−21−5p
hsa−miR−145−5p
hsa−miR−24−3p
hsa−miR−29a−3p
hsa−miR−126−3p
hsa_piR_020829
hsa−miR−125a−5p
hsa−miR−451a
hsa−miR−99a−5p
hsa−miR−125b−5p
hsa−miR−29c−3p
hsa−miR−26a−5p
hsa−miR−23a−3p
hsa−miR−204−5p
hsa−miR−140−3p
hsa−miR−130a−3p
hsa−miR−191−5p
hsa−miR−30a−5p
hsa−miR−16−5p
hsa_piR_010894
hsa−miR−23b−3p
hsa−miR−10b−5p
hsa−miR−192−5p
hsa−miR−10a−5p
hsa−miR−126−5p
hsa−miR−100−5p
hsa−let−7f−5p
hsa−let−7a−5p
hsa−miR−29b−3p
hsa−miR−210−3p
SRR491337_NRC
SRR491338_NRC
SRR491339_NRC
SRR491340_NRC
SRR491341_NRC
SRR491342_NRC
SRR491343_NRC
SRR491344_NRC
SRR491345_NRC
SRR491346_NRC
SRR491347_NRC
treatment_files_1_SRR491348_ccRCC
treatment_files_1_SRR491349_ccRCC
treatment_files_1_SRR491350_ccRCC
treatment_files_1_SRR491351_ccRCC
treatment_files_1_SRR491356_ccRCC
treatment_files_1_SRR491357_ccRCC
treatment_files_1_SRR491358_ccRCC
treatment_files_1_SRR491359_ccRCC
treatment_files_1_SRR491363_ccRCC
treatment_files_1_SRR491364_ccRCC
treatment_files_1_SRR491365_ccRCC


Color Key
and Histogram
Count
0
2
4
8
10
12
14
Value
hsa−miR−21−5p
hsa−miR−145−5p
hsa−miR−24−3p
hsa−miR−29a−3p
hsa−miR−126−3p
hsa_piR_020829
hsa−miR−125a−5p
hsa−miR−451a
hsa−miR−99a−5p
hsa−miR−125b−5p
hsa−miR−29c−3p
hsa−miR−26a−5p
hsa−miR−23a−3p
hsa−miR−204−5p
hsa−miR−140−3p
hsa−miR−130a−3p
hsa−miR−191−5p
hsa−miR−30a−5p
hsa−miR−16−5p
hsa_piR_010894
hsa−miR−23b−3p
hsa−miR−10b−5p
hsa−miR−192−5p
hsa−miR−10a−5p
hsa−miR−126−5p
hsa−miR−100−5p
hsa−let−7f−5p
hsa−let−7a−5p
hsa−miR−29b−3p
hsa−miR−210−3p
SRR491337_NRC
SRR491338_NRC
SRR491339_NRC
SRR491340_NRC
SRR491341_NRC
SRR491342_NRC
SRR491343_NRC
SRR491344_NRC
SRR491345_NRC
SRR491346_NRC
SRR491347_NRC
treatment_files_1_SRR491348_ccRCC
treatment_files_1_SRR491349_ccRCC
treatment_files_1_SRR491350_ccRCC
treatment_files_1_SRR491351_ccRCC
treatment_files_1_SRR491356_ccRCC
treatment_files_1_SRR491357_ccRCC
treatment_files_1_SRR491358_ccRCC
treatment_files_1_SRR491359_ccRCC
treatment_files_1_SRR491363_ccRCC
treatment_files_1_SRR491364_ccRCC
treatment_files_1_SRR491365_ccRCC