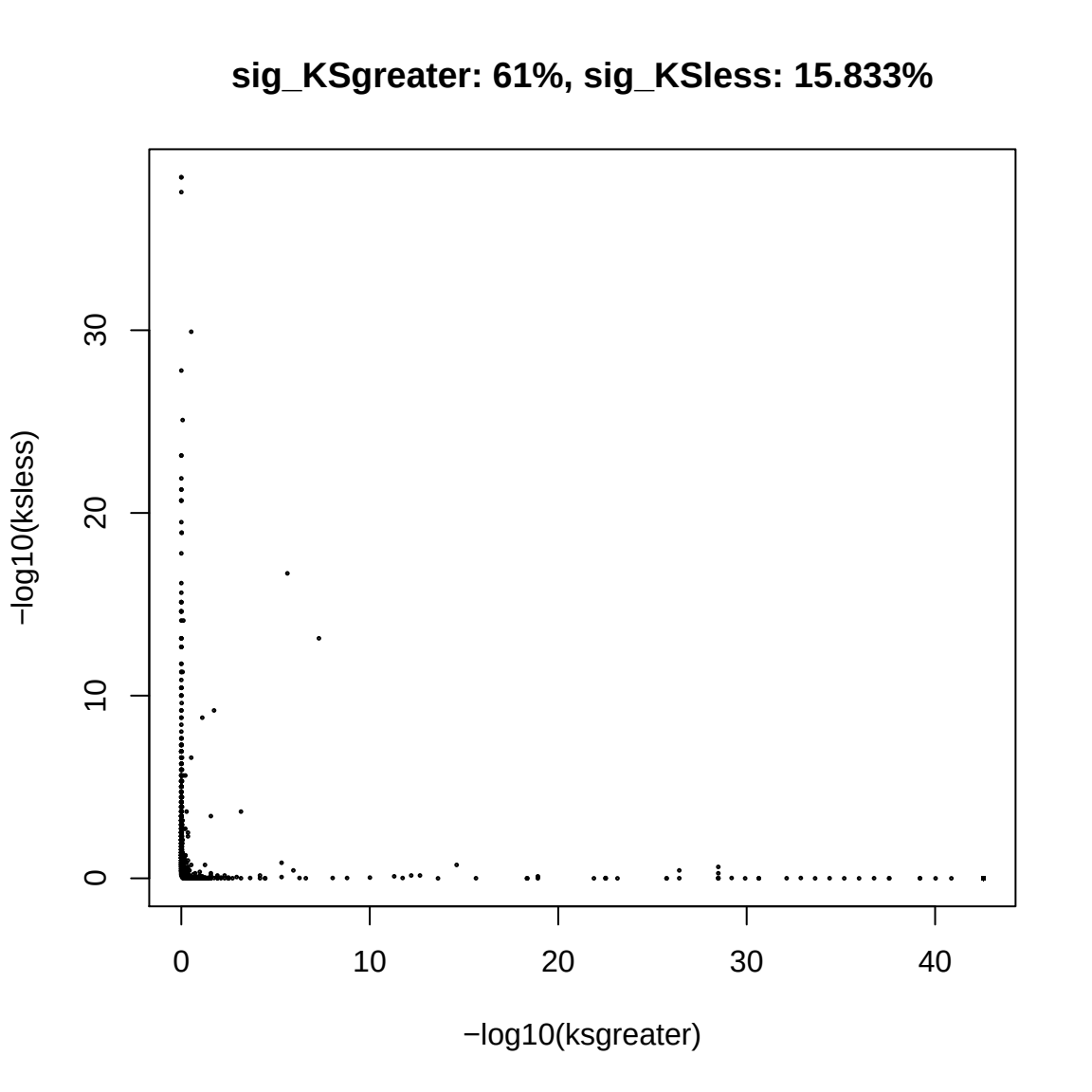
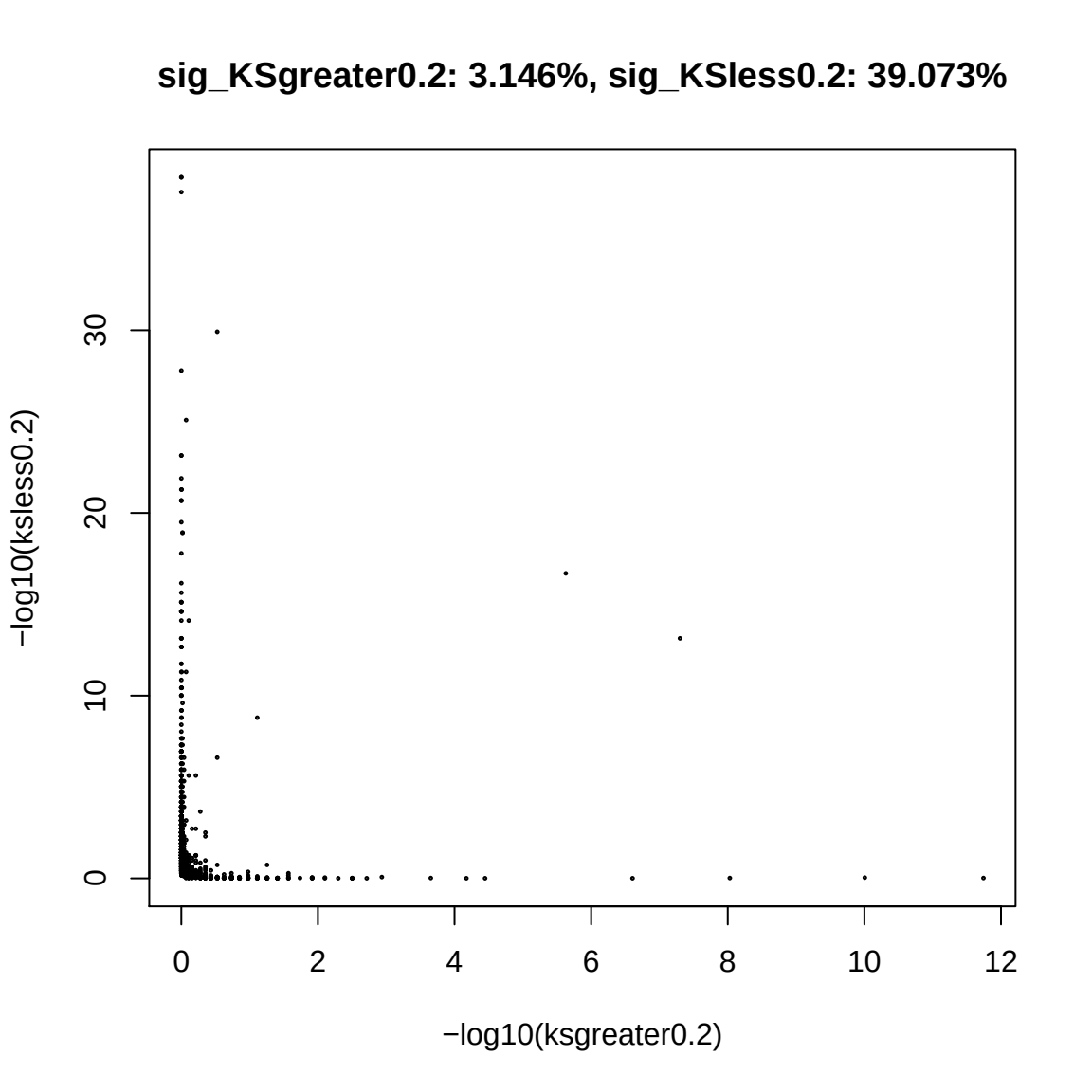
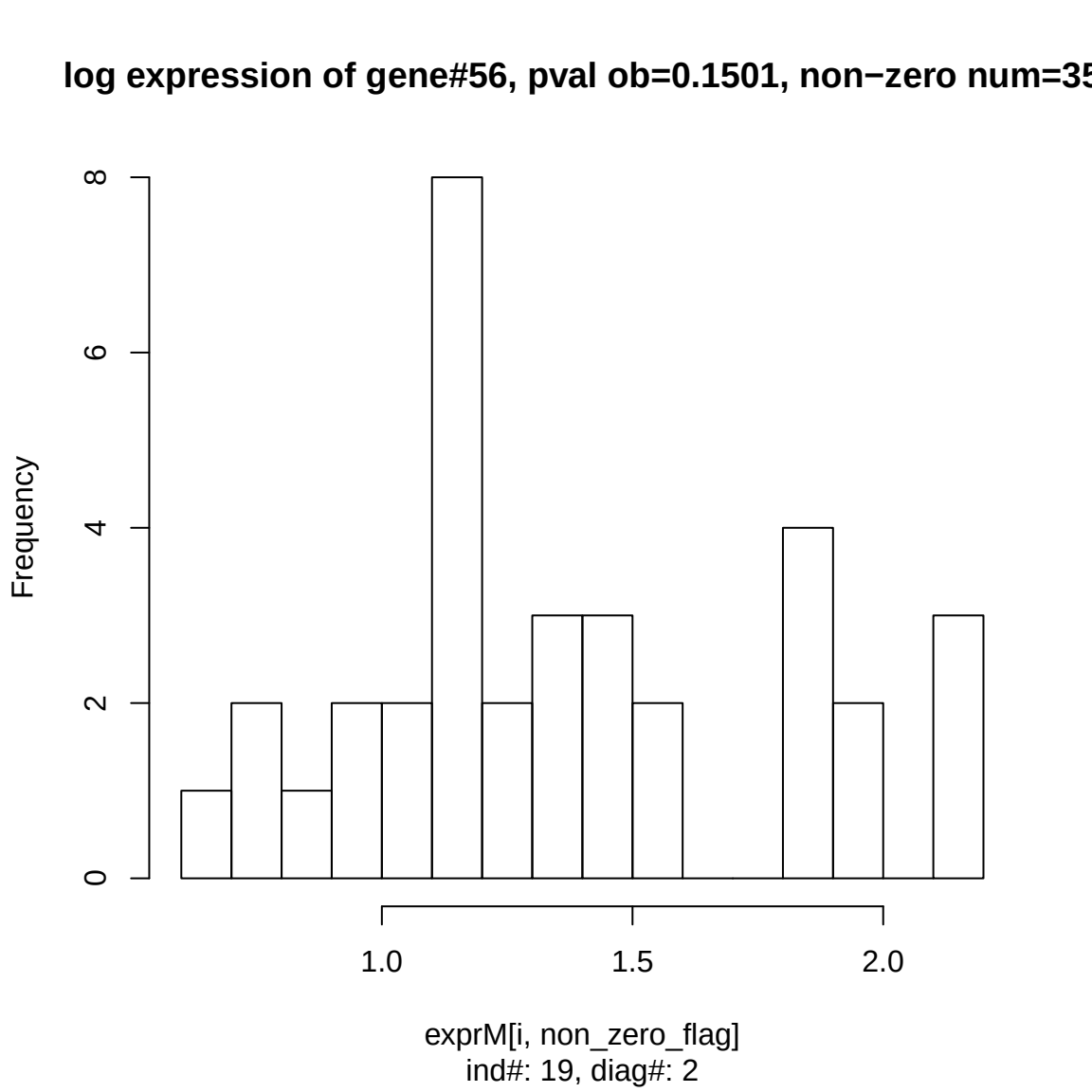
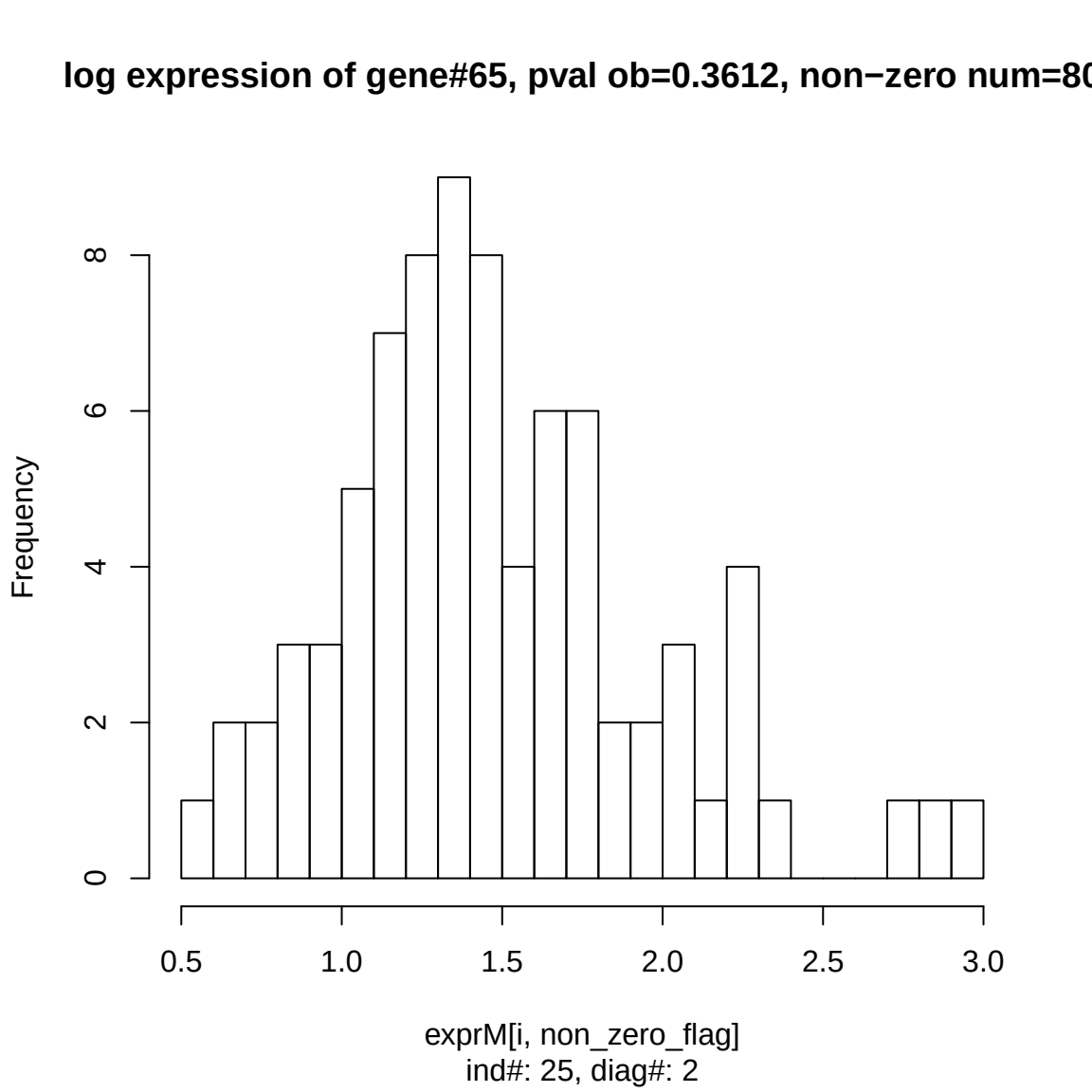
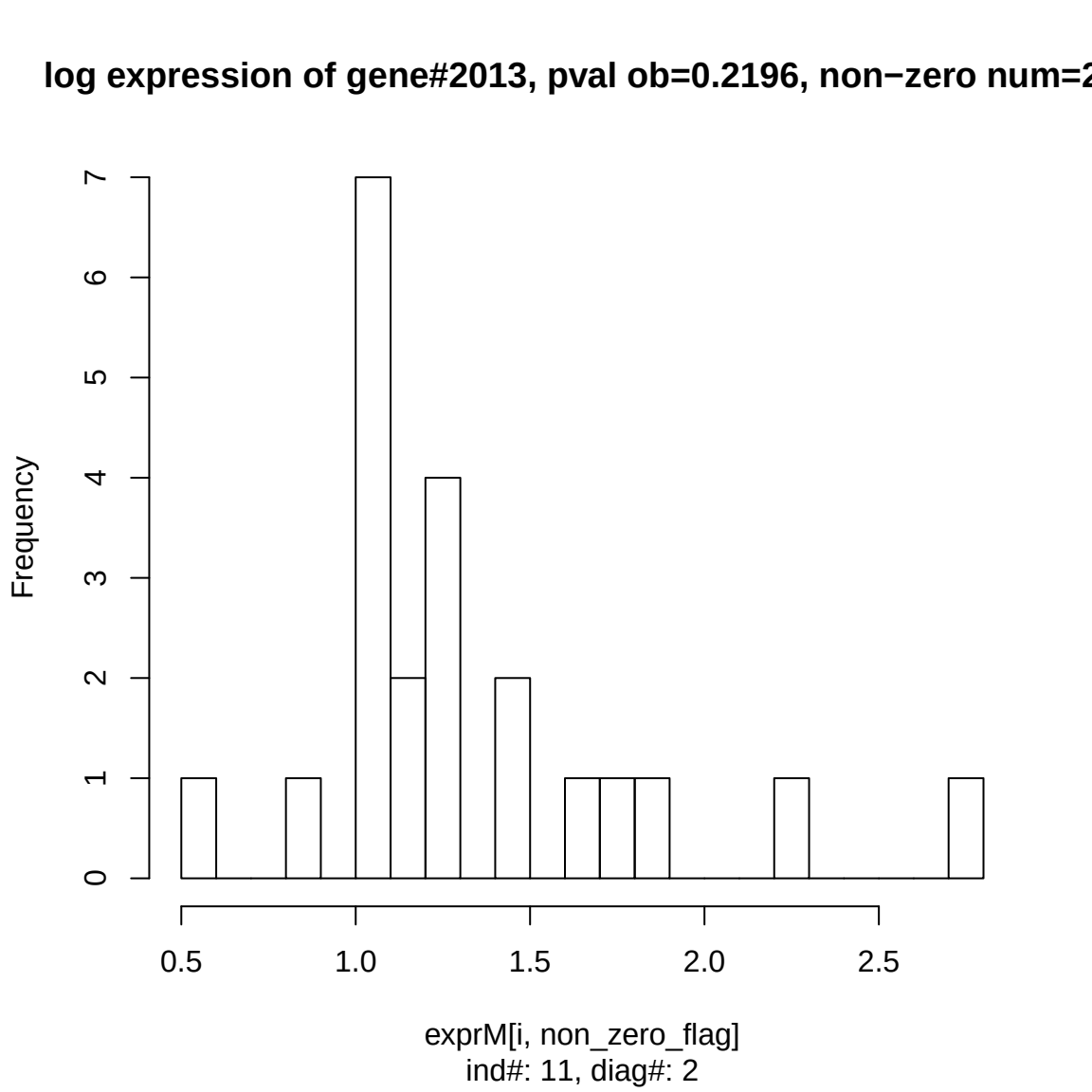
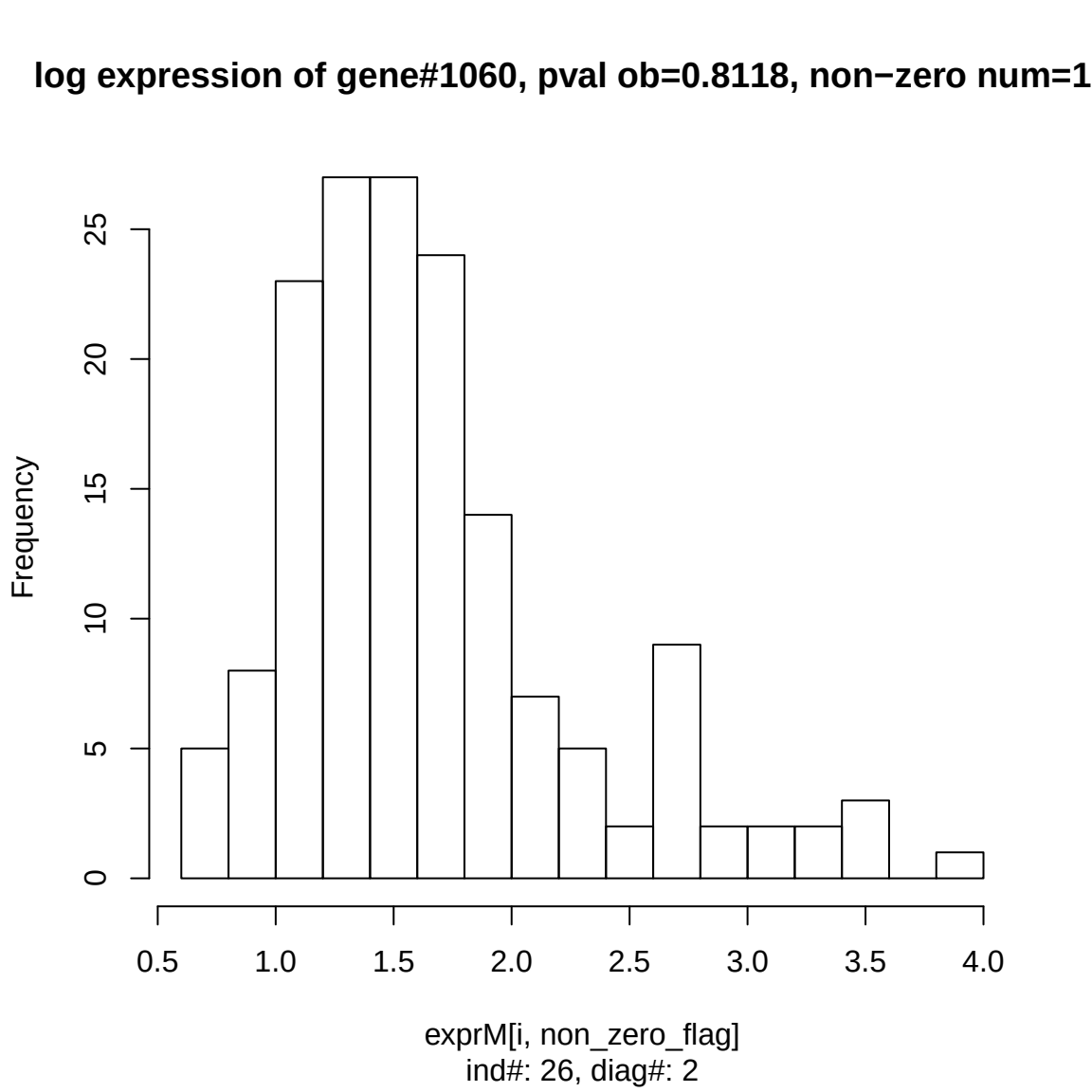

sig_KSgreater: 61%, sig_KSless: 15.833%
−log10(ksless)
0
10
20
30
0
10
20
30
40
−log10(ksgreater)

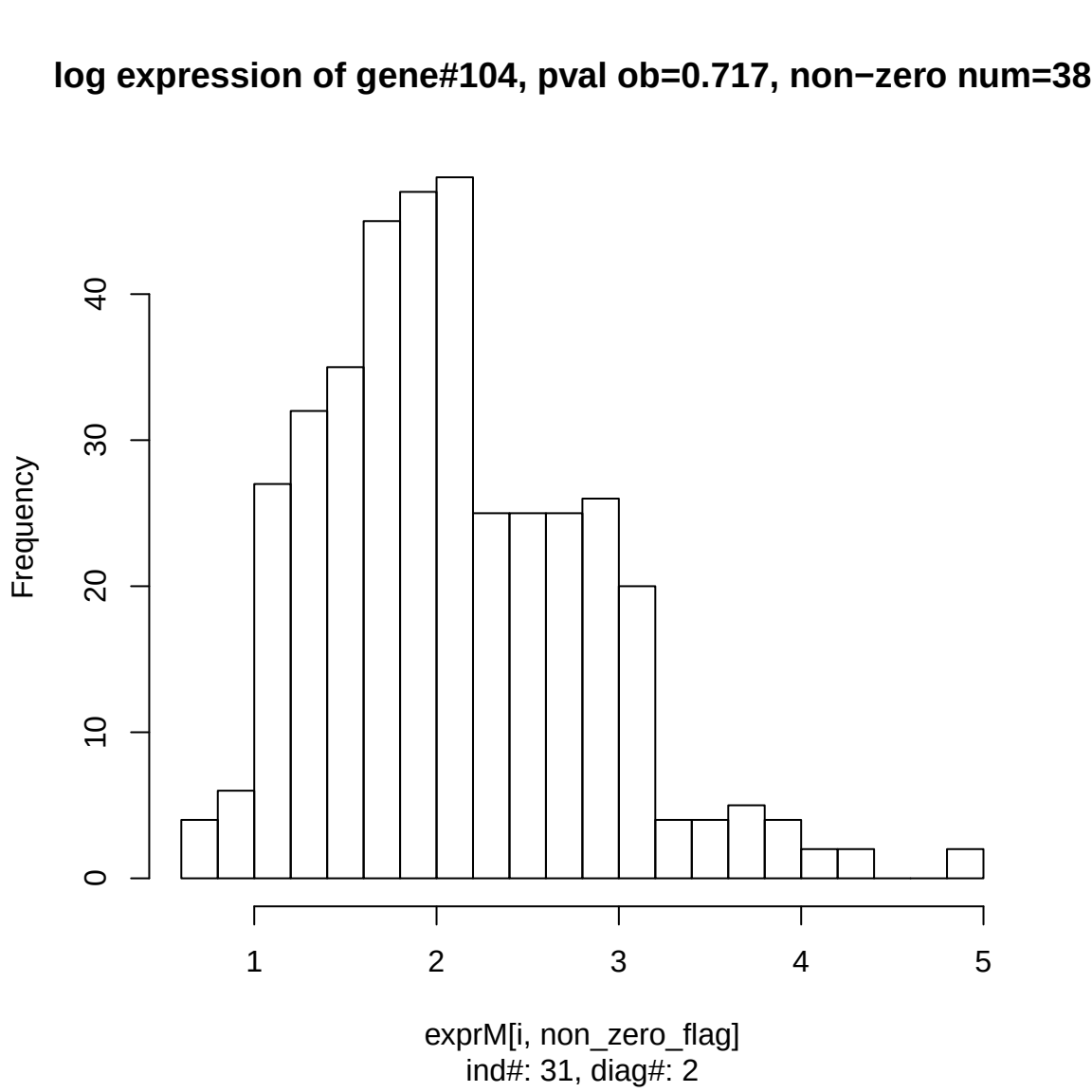

sig_KSgreater0.2: 3.146%, sig_KSless0.2: 39.073%
−log10(ksless0.2)
0
10
20
30
0
2
4
6
8
10
12
−log10(ksgreater0.2)

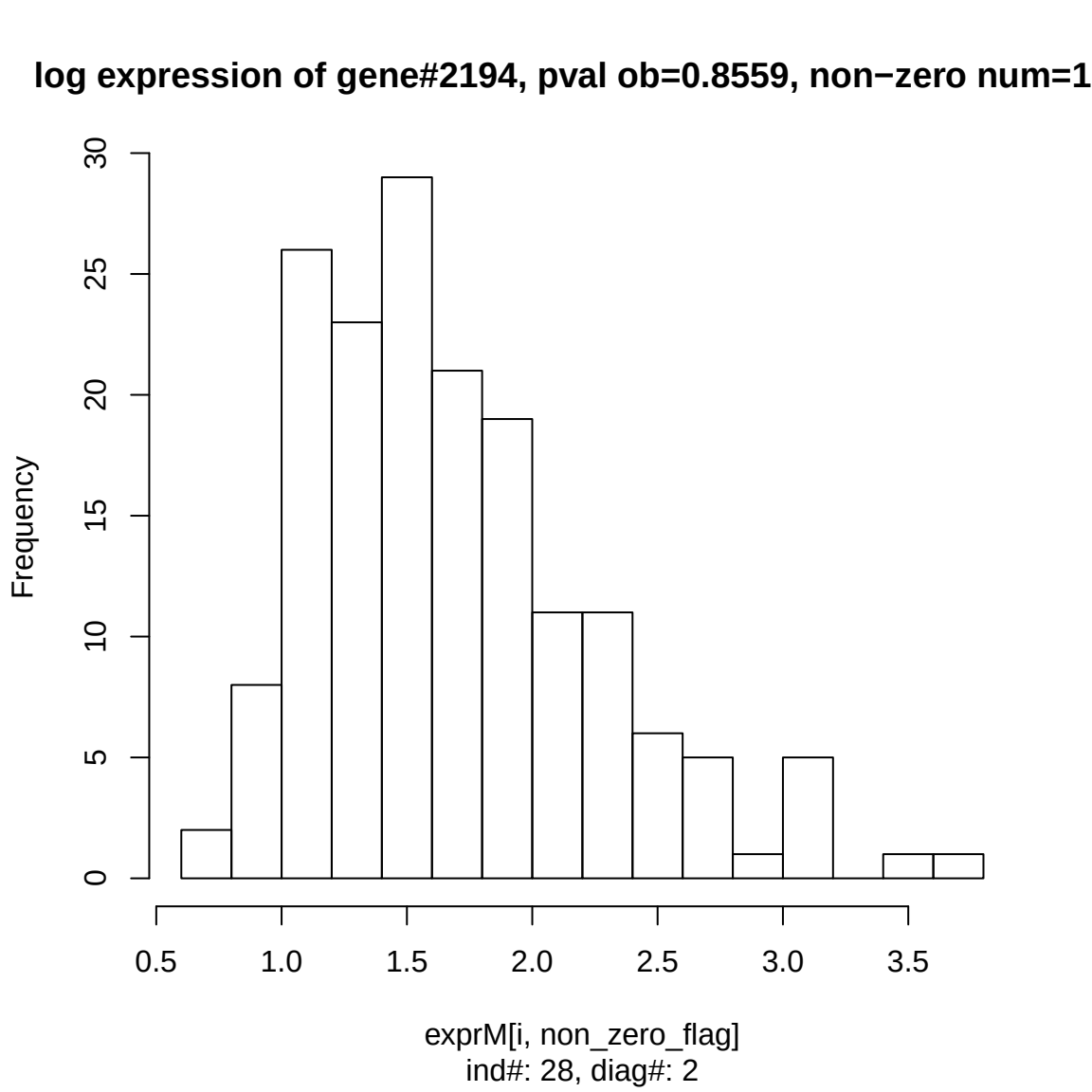

log expression of gene#56, pval ob=0.1501, non−zero num=35
Frequency
0
2
4
6
8
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 19, diag#: 2

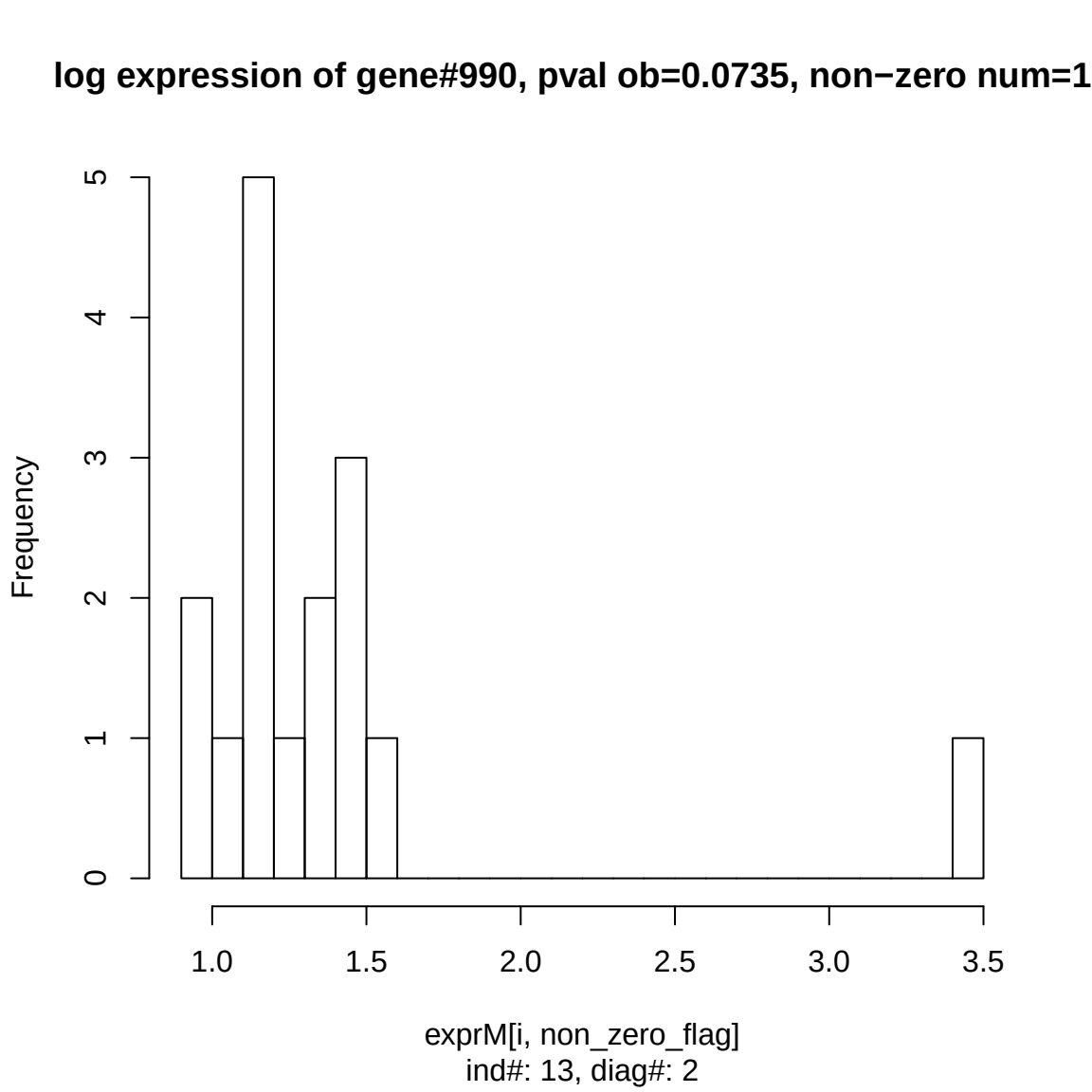

log expression of gene#65, pval ob=0.3612, non−zero num=80
Frequency
0
2
4
6
8
0.5
1.0
1.5
2.0
2.5
3.0
exprM[i, non_zero_flag]
ind#: 25, diag#: 2

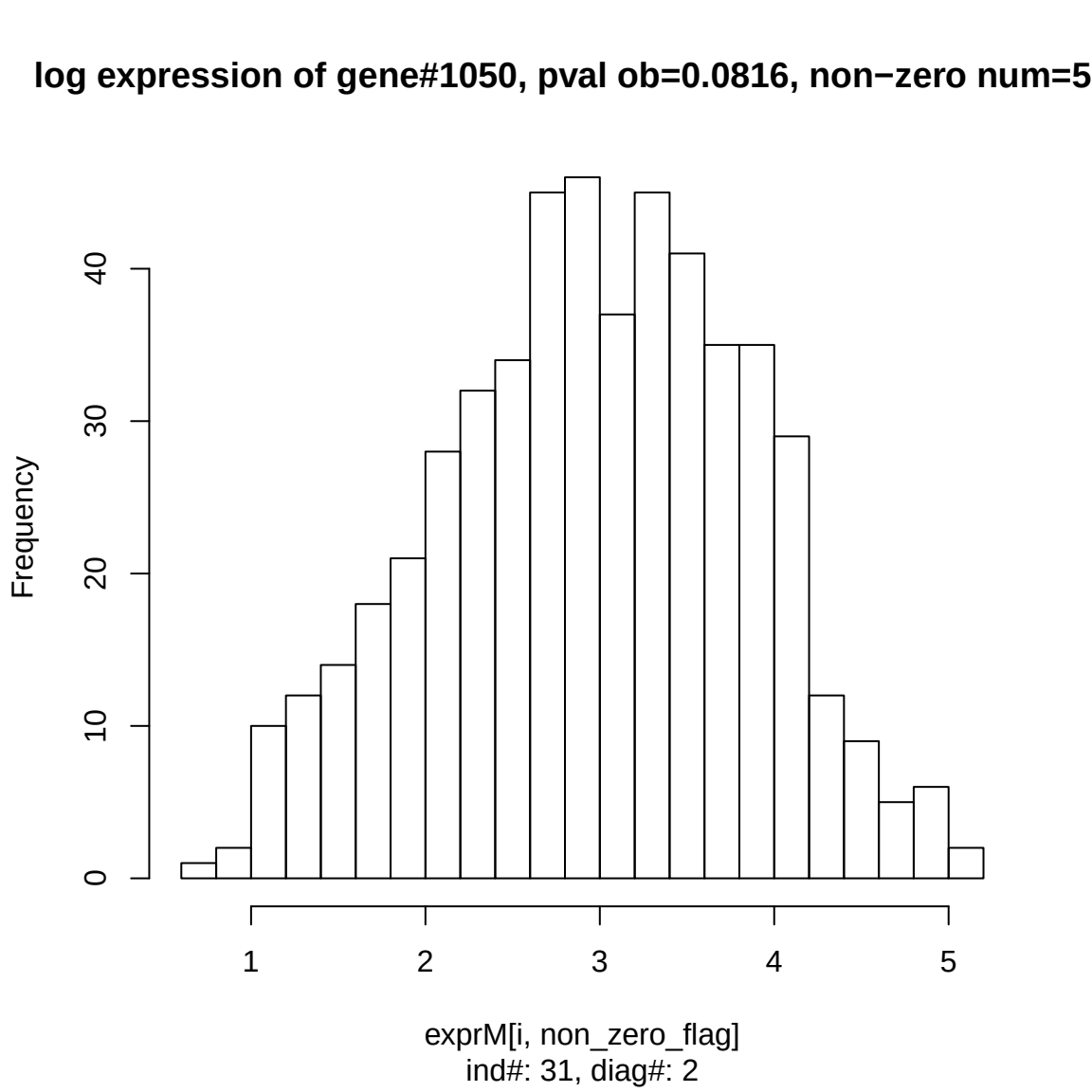

log expression of gene#2013, pval ob=0.2196, non−zero num=2
Frequency
0
1
2
3
4
5
6
7
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 11, diag#: 2

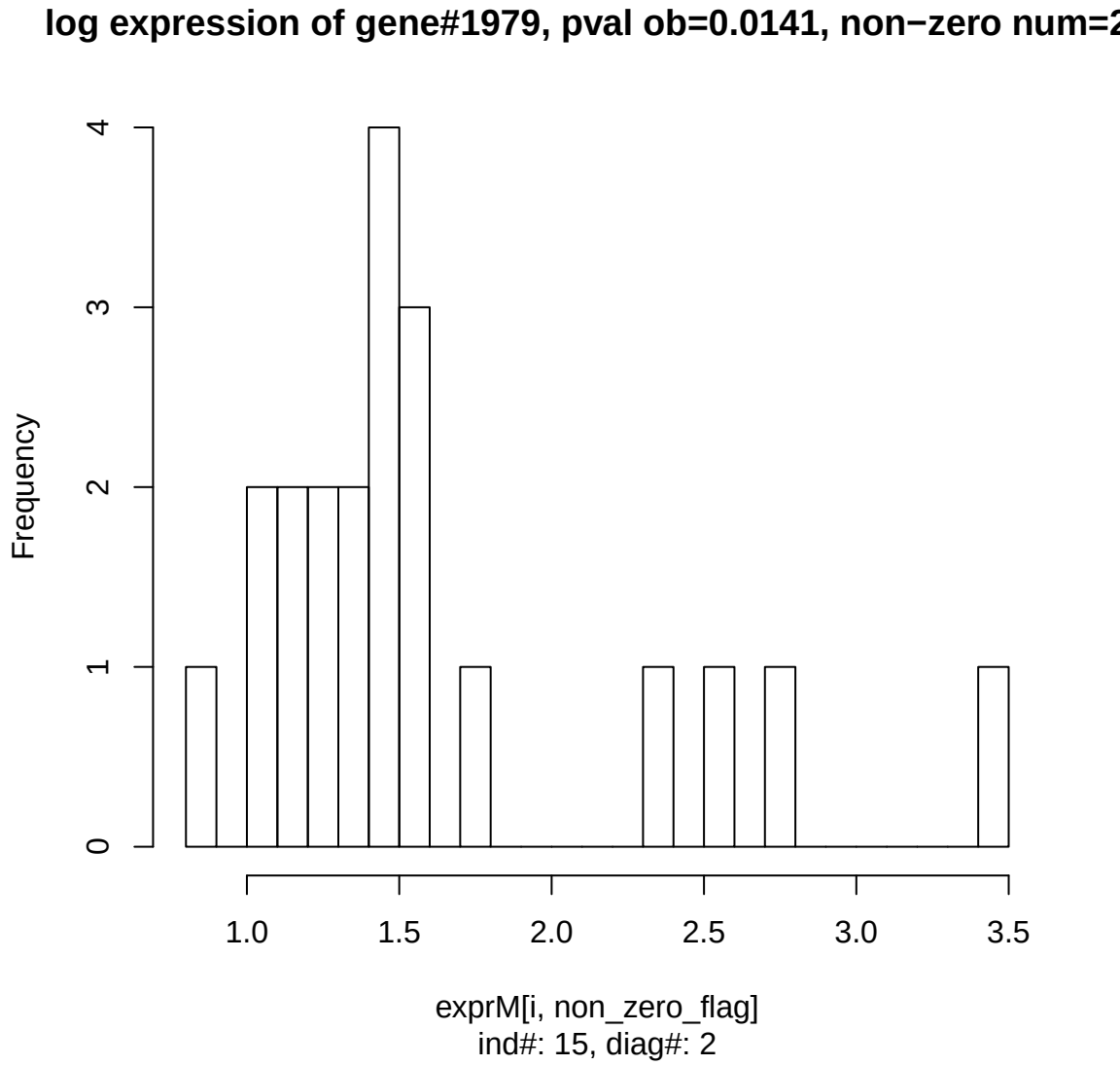

log expression of gene#1060, pval ob=0.8118, non−zero num=1
Frequency
0
5
10
15
20
25
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 26, diag#: 2

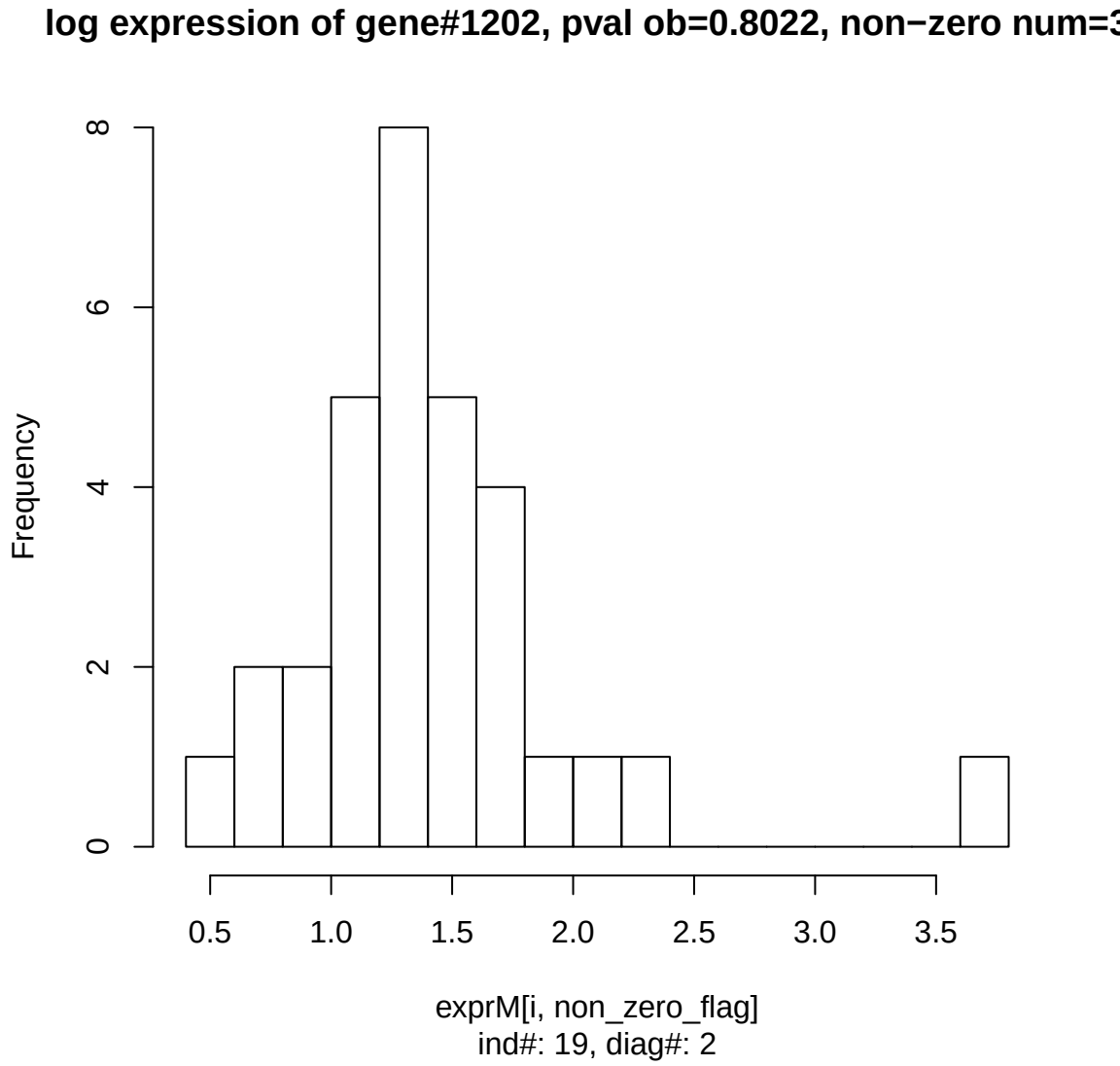

log expression of gene#104, pval ob=0.717, non−zero num=38
Frequency
0
10
20
30
40
1
2
3
4
5
exprM[i, non_zero_flag]
ind#: 31, diag#: 2

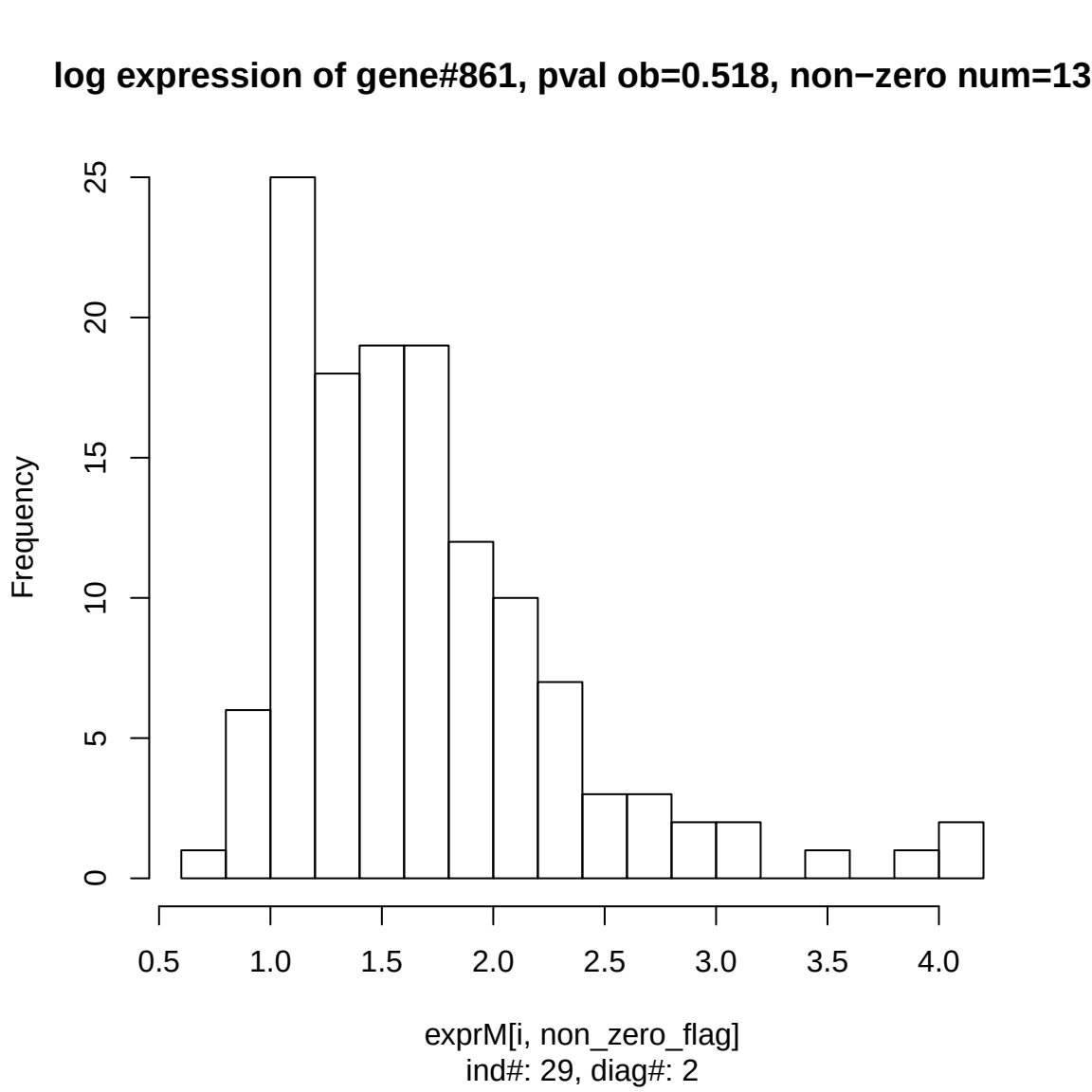

log expression of gene#2194, pval ob=0.8559, non−zero num=1
Frequency
0
5
10
15
20
25
30
0.5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 28, diag#: 2

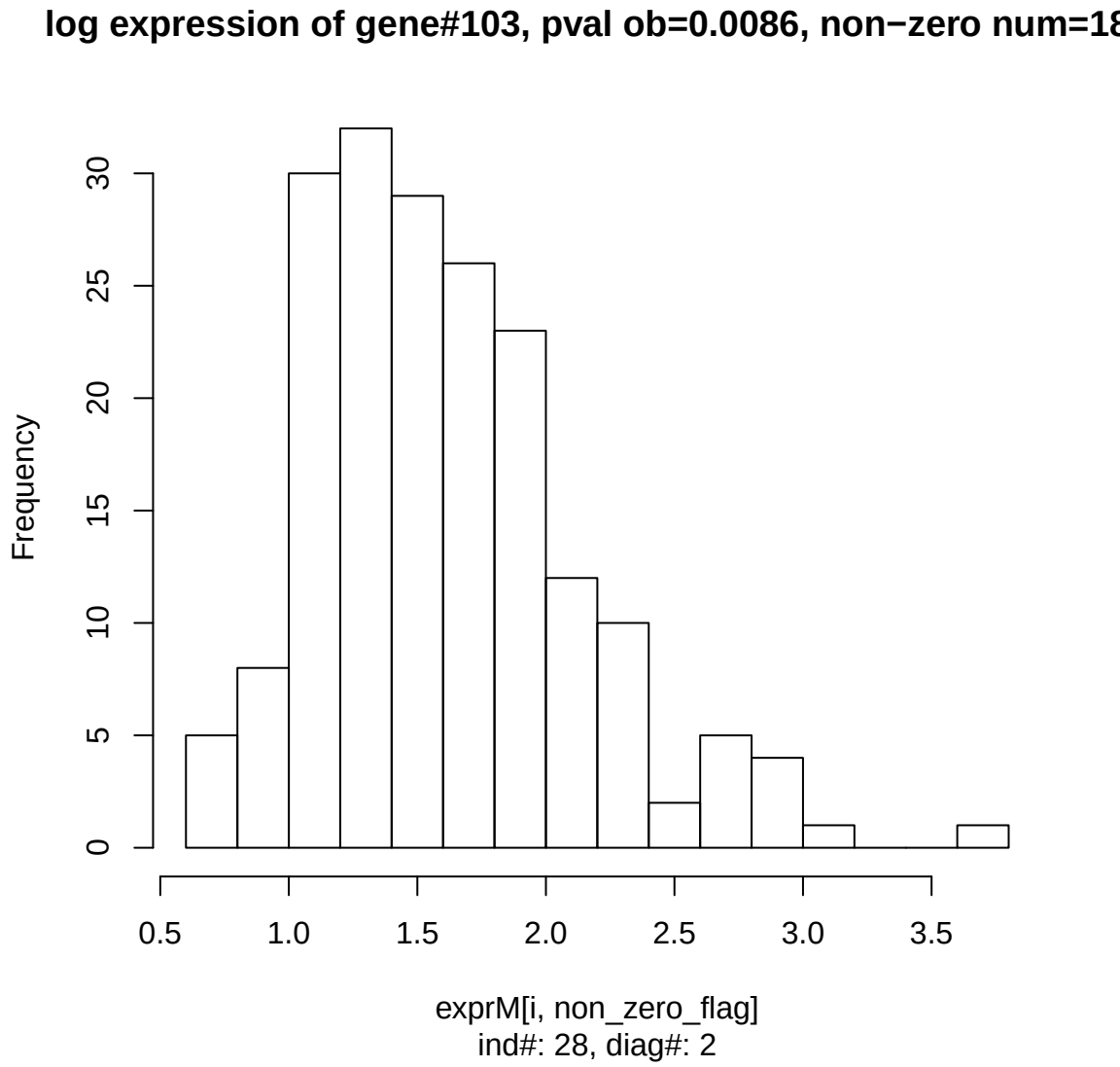

log expression of gene#990, pval ob=0.0735, non−zero num=1
Frequency
0
1
2
3
4
5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 13, diag#: 2

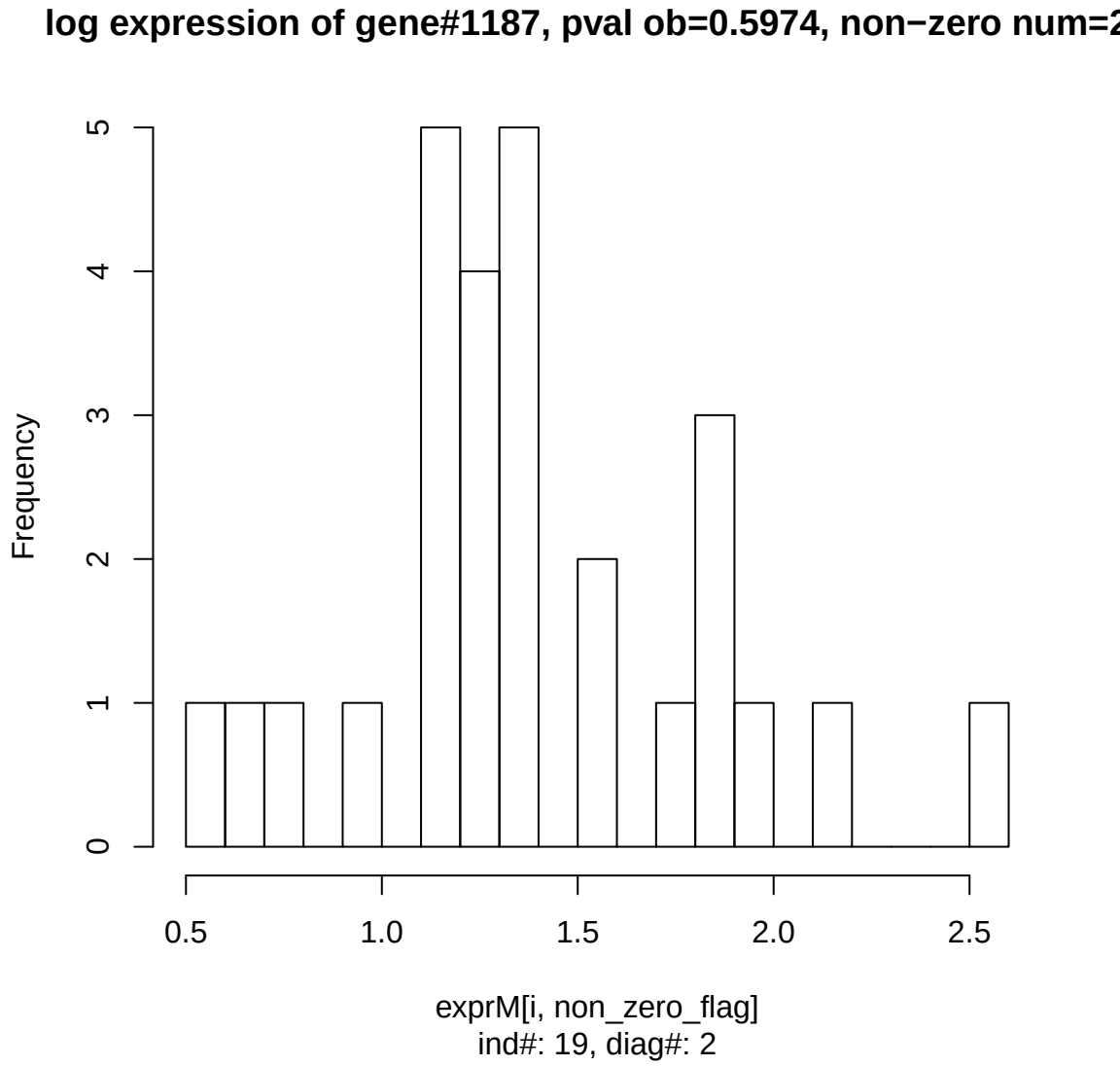

log expression of gene#1050, pval ob=0.0816, non−zero num=5
Frequency
0
10
20
30
40
1
2
3
4
5
exprM[i, non_zero_flag]
ind#: 31, diag#: 2

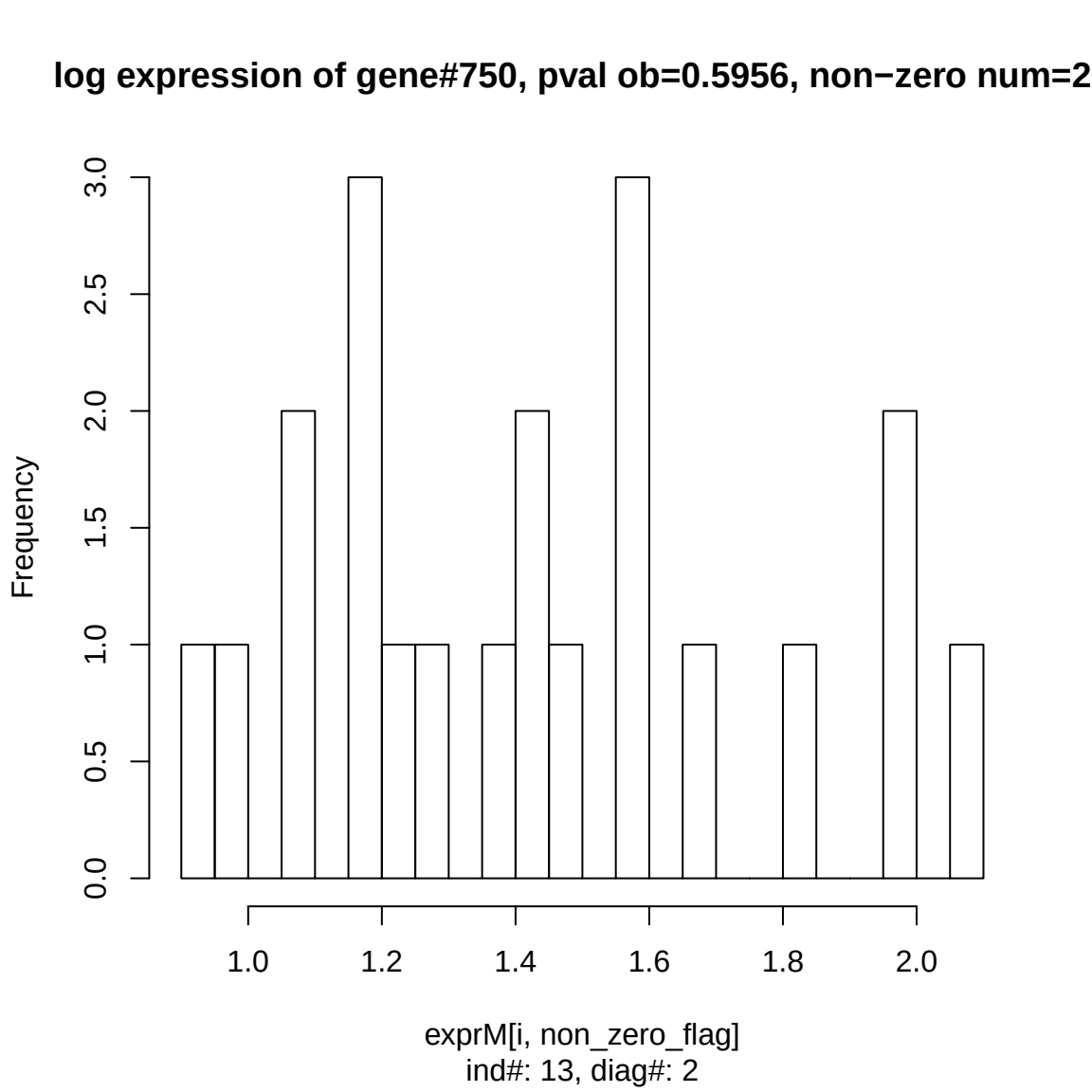

log expression of gene#1979, pval ob=0.0141, non−zero num=2
Frequency
0
1
2
3
4
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 15, diag#: 2

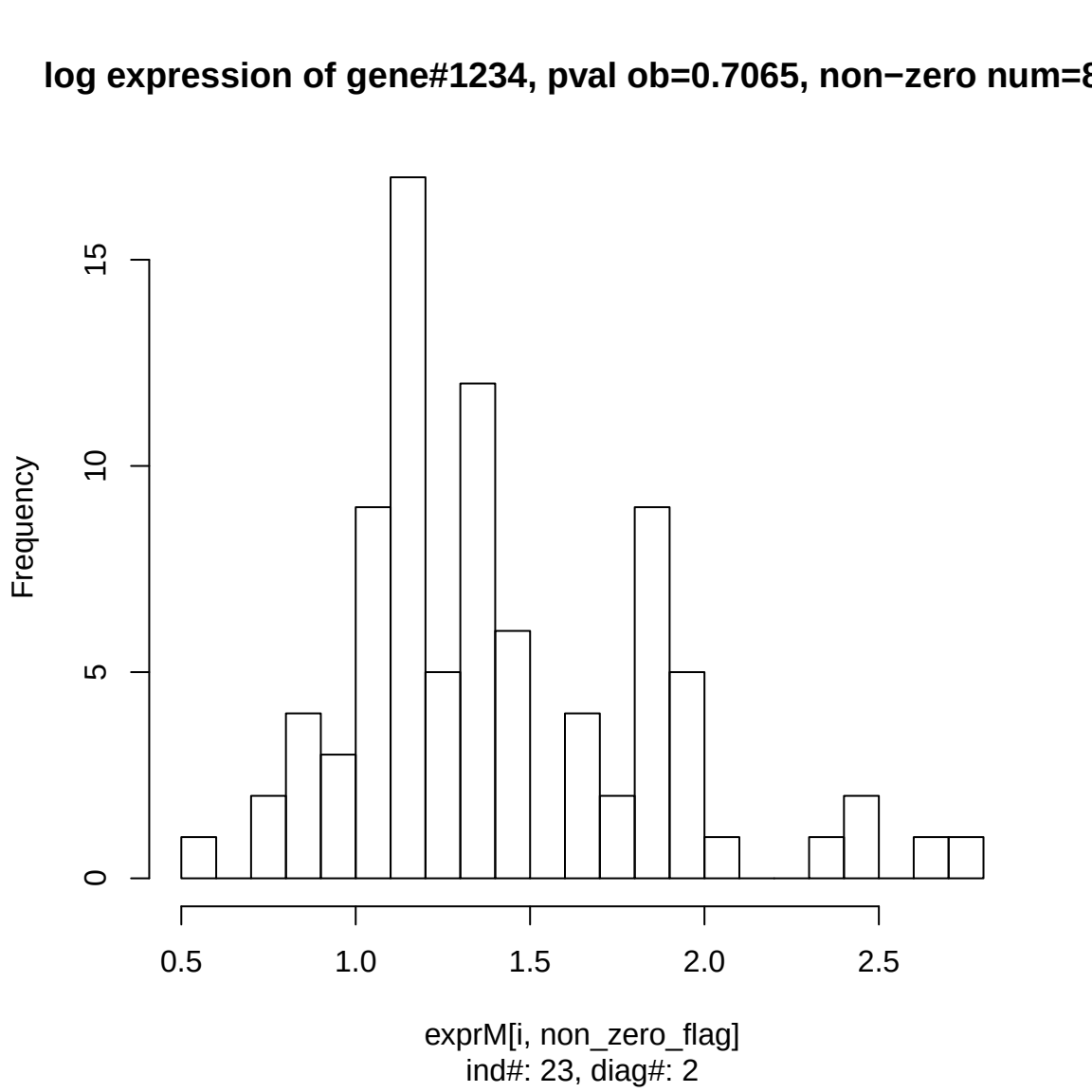

log expression of gene#1202, pval ob=0.8022, non−zero num=3
Frequency
0
2
4
6
8
0.5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 19, diag#: 2

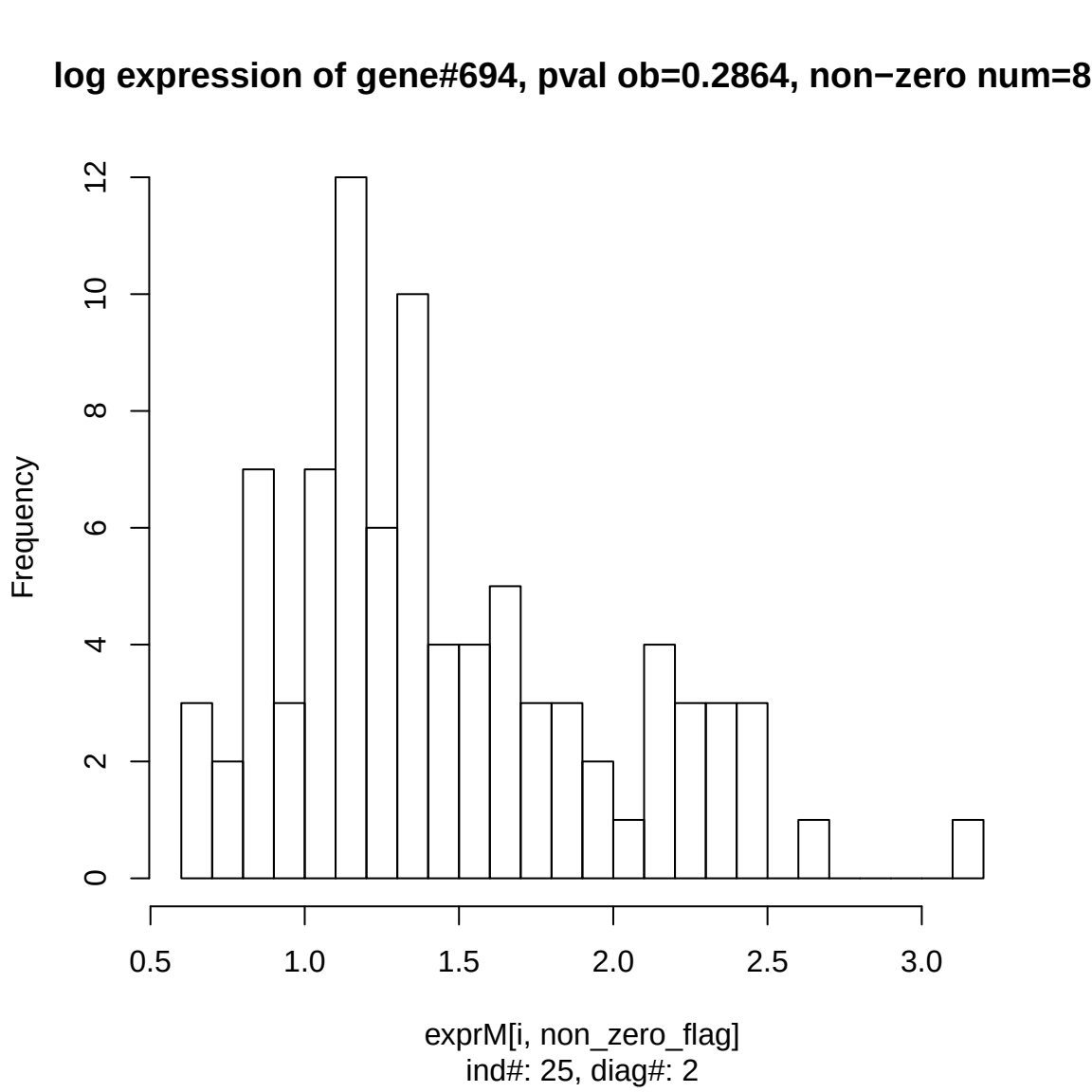

log expression of gene#861, pval ob=0.518, non−zero num=13
Frequency
0
5
10
15
20
25
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 29, diag#: 2

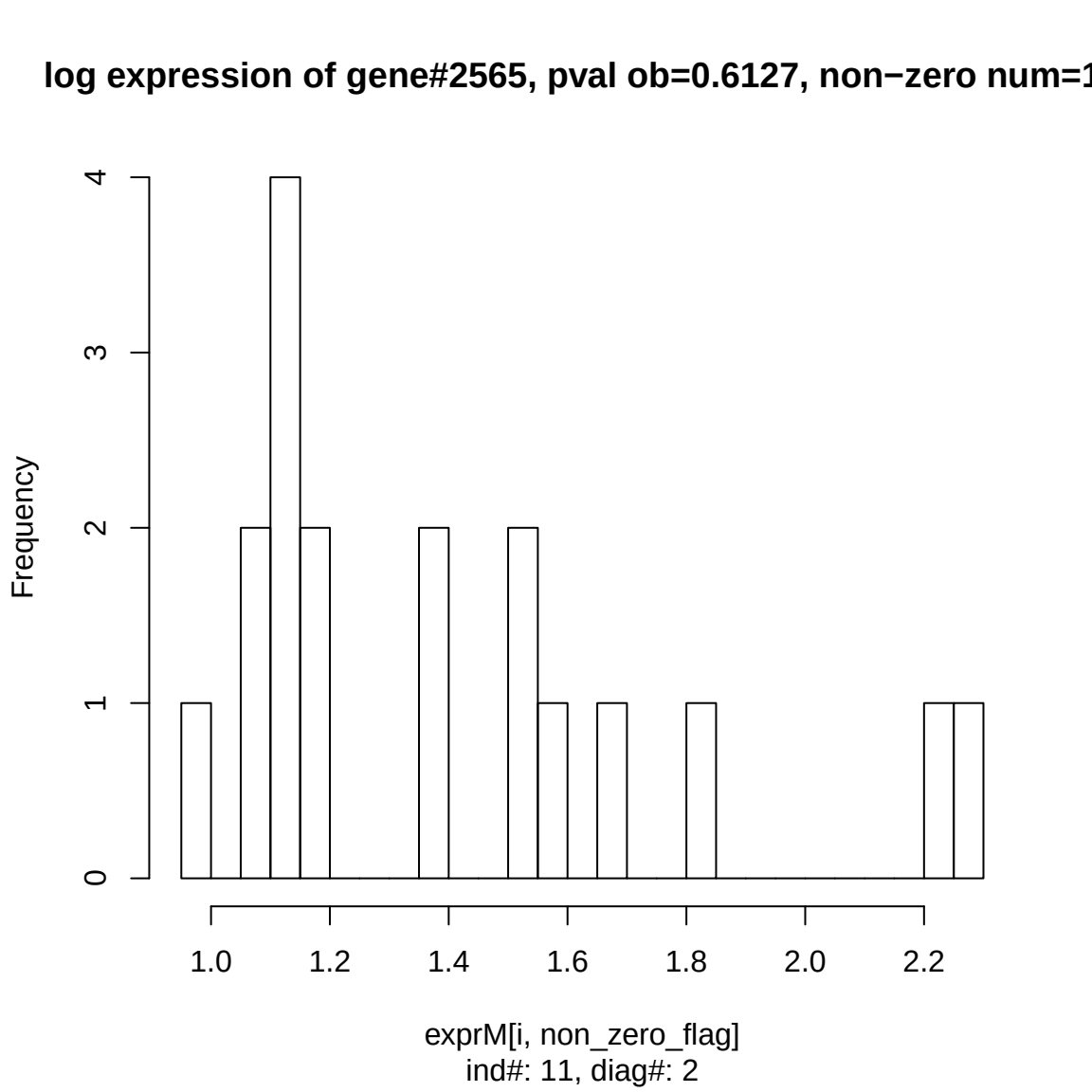

log expression of gene#103, pval ob=0.0086, non−zero num=18
Frequency
0
5
10
15
20
25
30
0.5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 28, diag#: 2

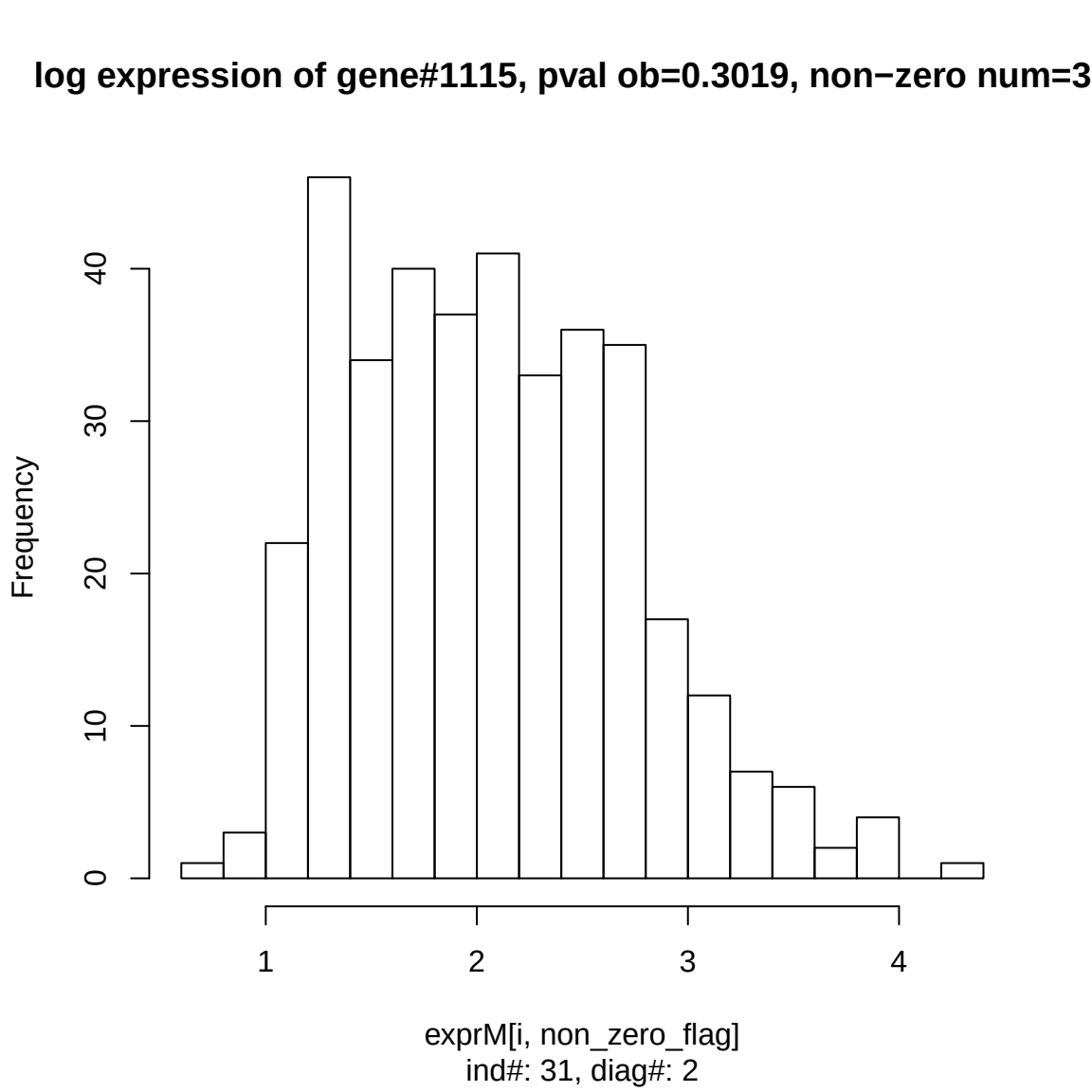

log expression of gene#1187, pval ob=0.5974, non−zero num=2
Frequency
0
1
2
3
4
5
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 19, diag#: 2

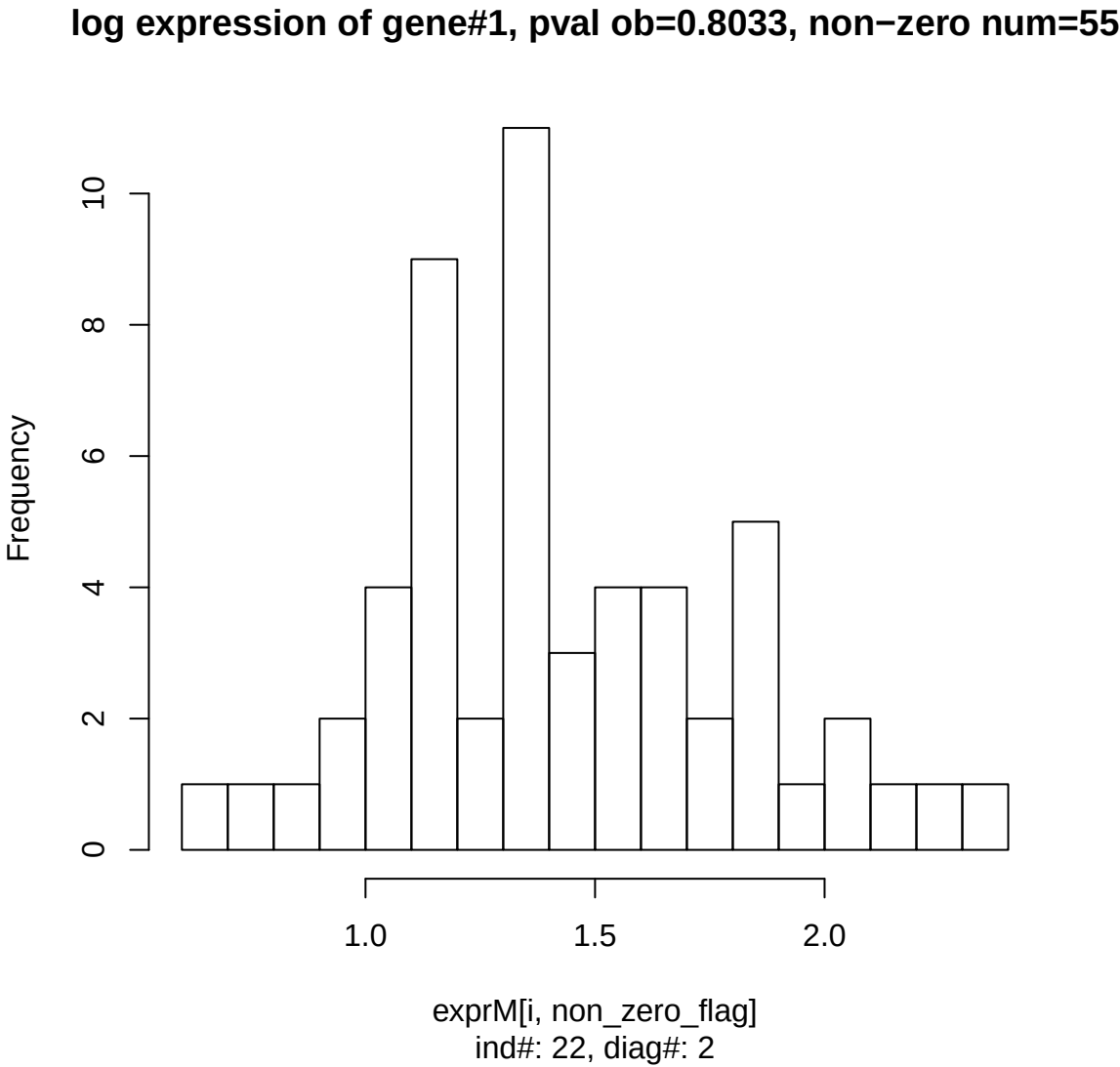

log expression of gene#750, pval ob=0.5956, non−zero num=2
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
1.0
1.2
1.4
1.6
1.8
2.0
exprM[i, non_zero_flag]
ind#: 13, diag#: 2

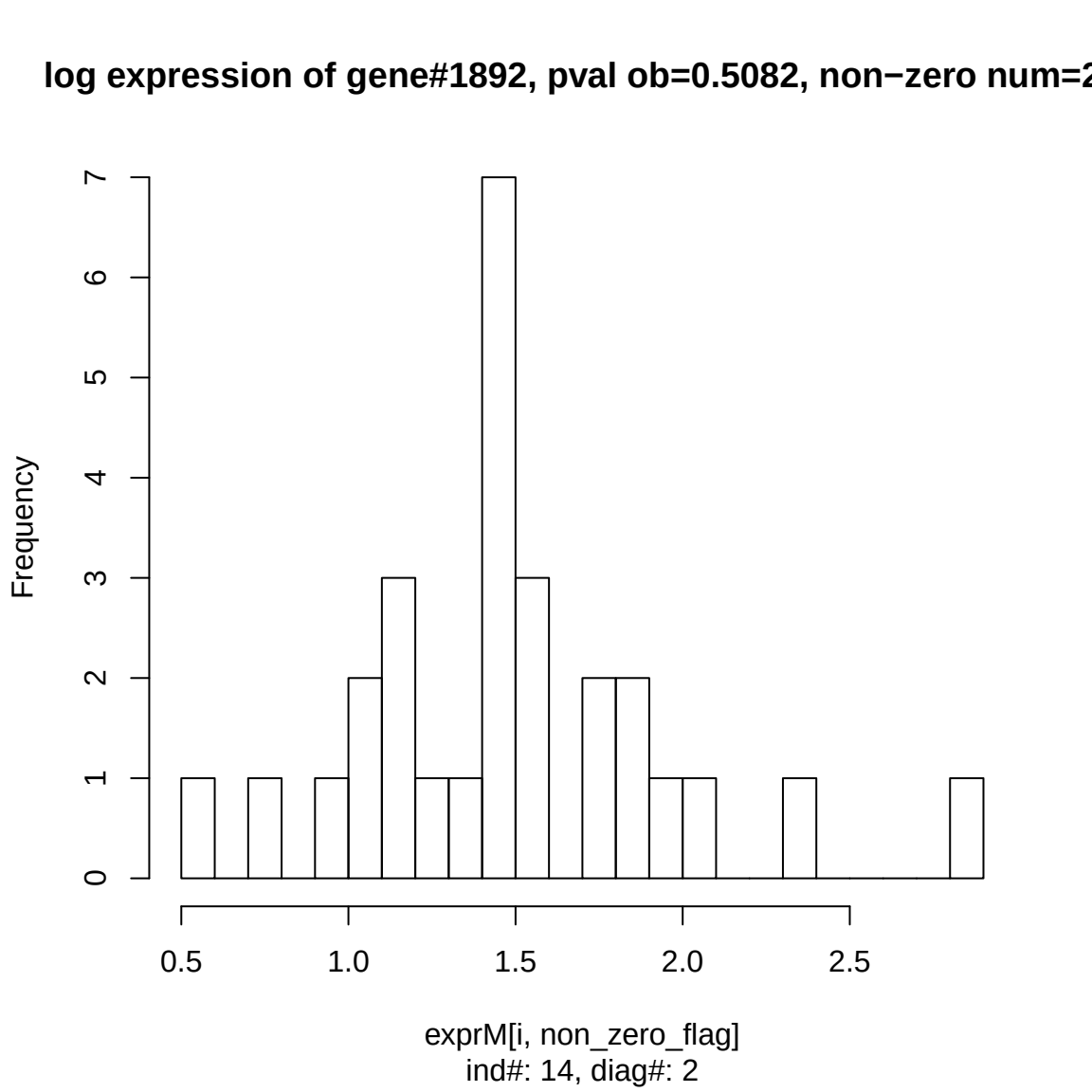

log expression of gene#1234, pval ob=0.7065, non−zero num=8
Frequency
0
5
10
15
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 23, diag#: 2

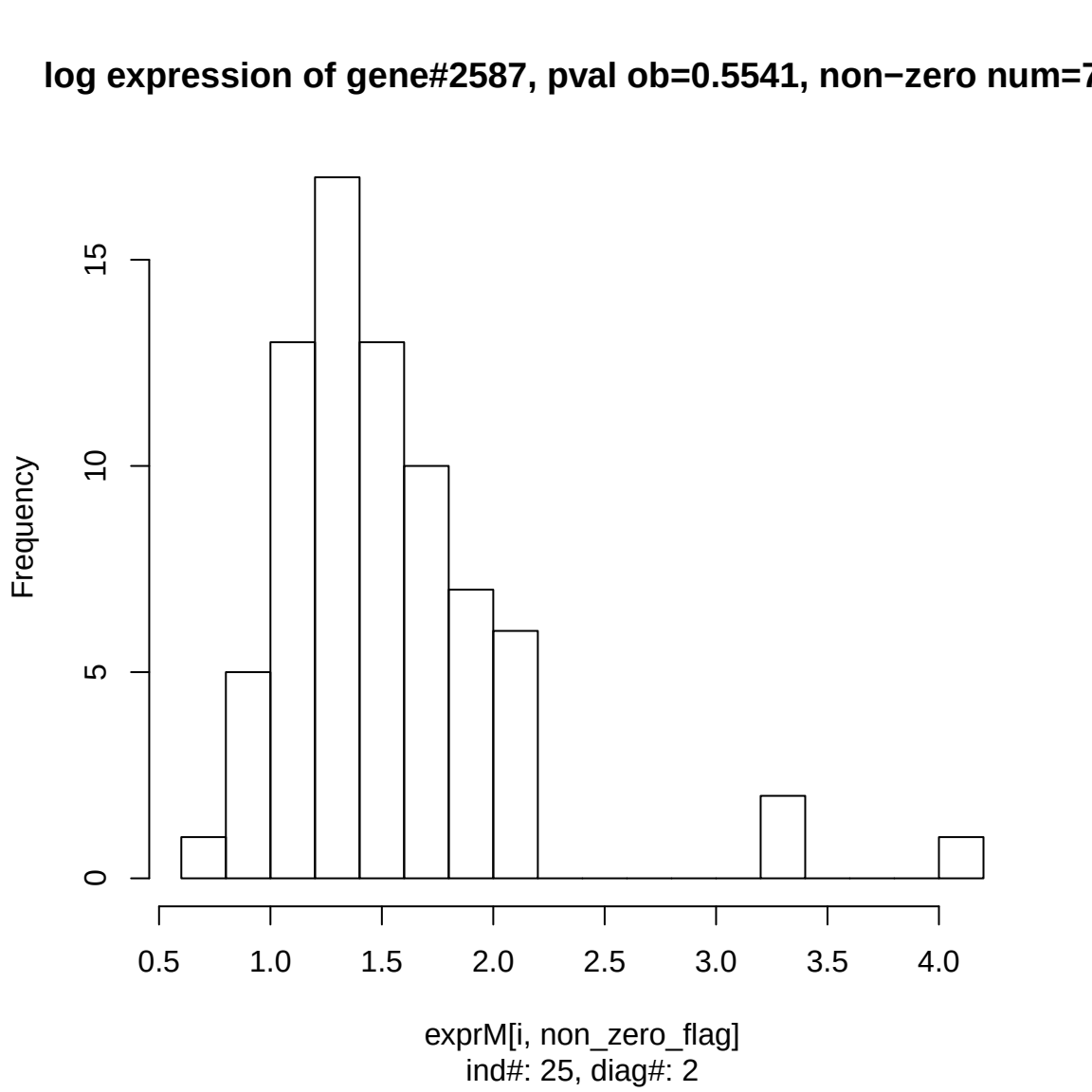

log expression of gene#694, pval ob=0.2864, non−zero num=8
Frequency
0
2
4
6
8
10
12
0.5
1.0
1.5
2.0
2.5
3.0
exprM[i, non_zero_flag]
ind#: 25, diag#: 2

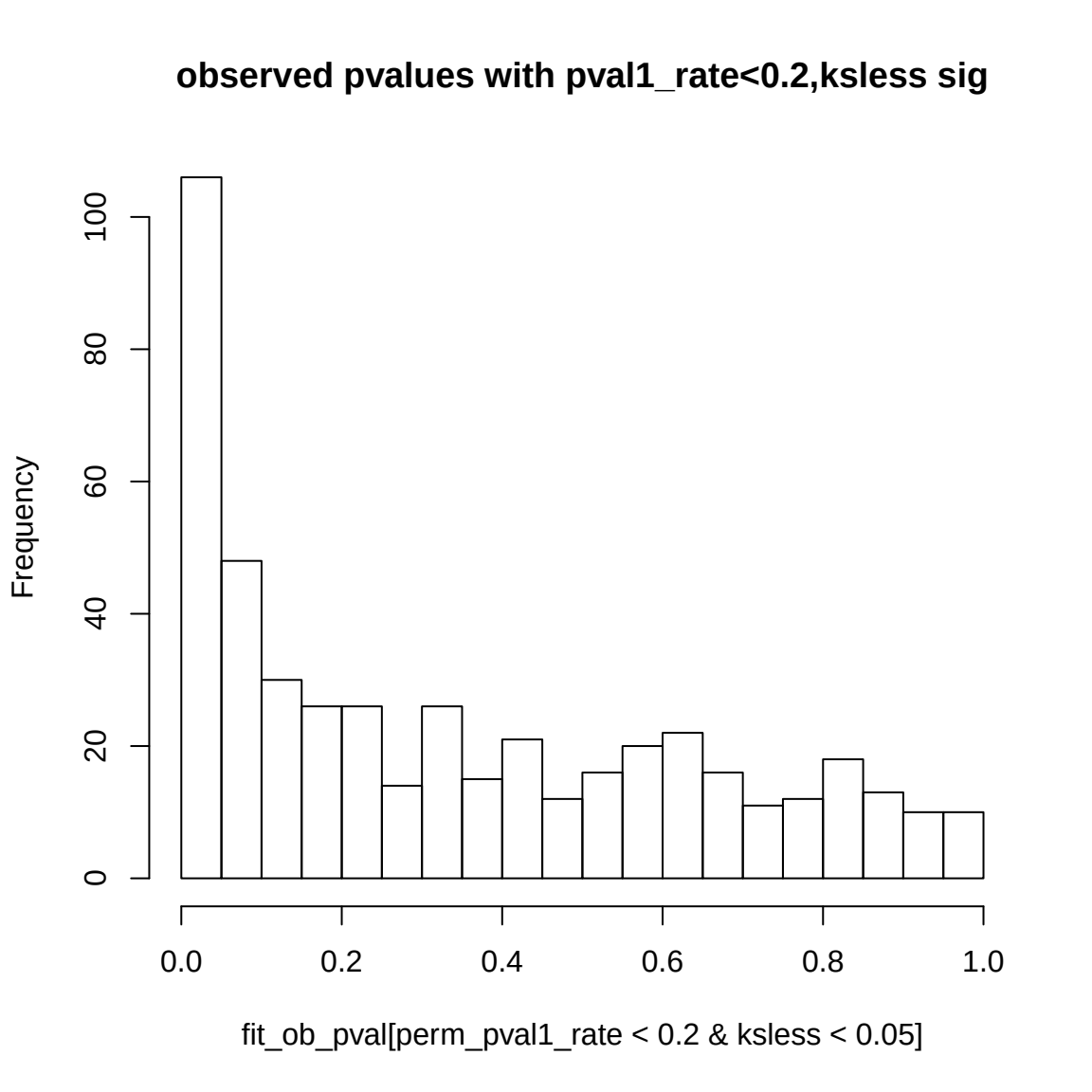

log expression of gene#2565, pval ob=0.6127, non−zero num=1
Frequency
0
1
2
3
4
1.0
1.2
1.4
1.6
1.8
2.0
2.2
exprM[i, non_zero_flag]
ind#: 11, diag#: 2

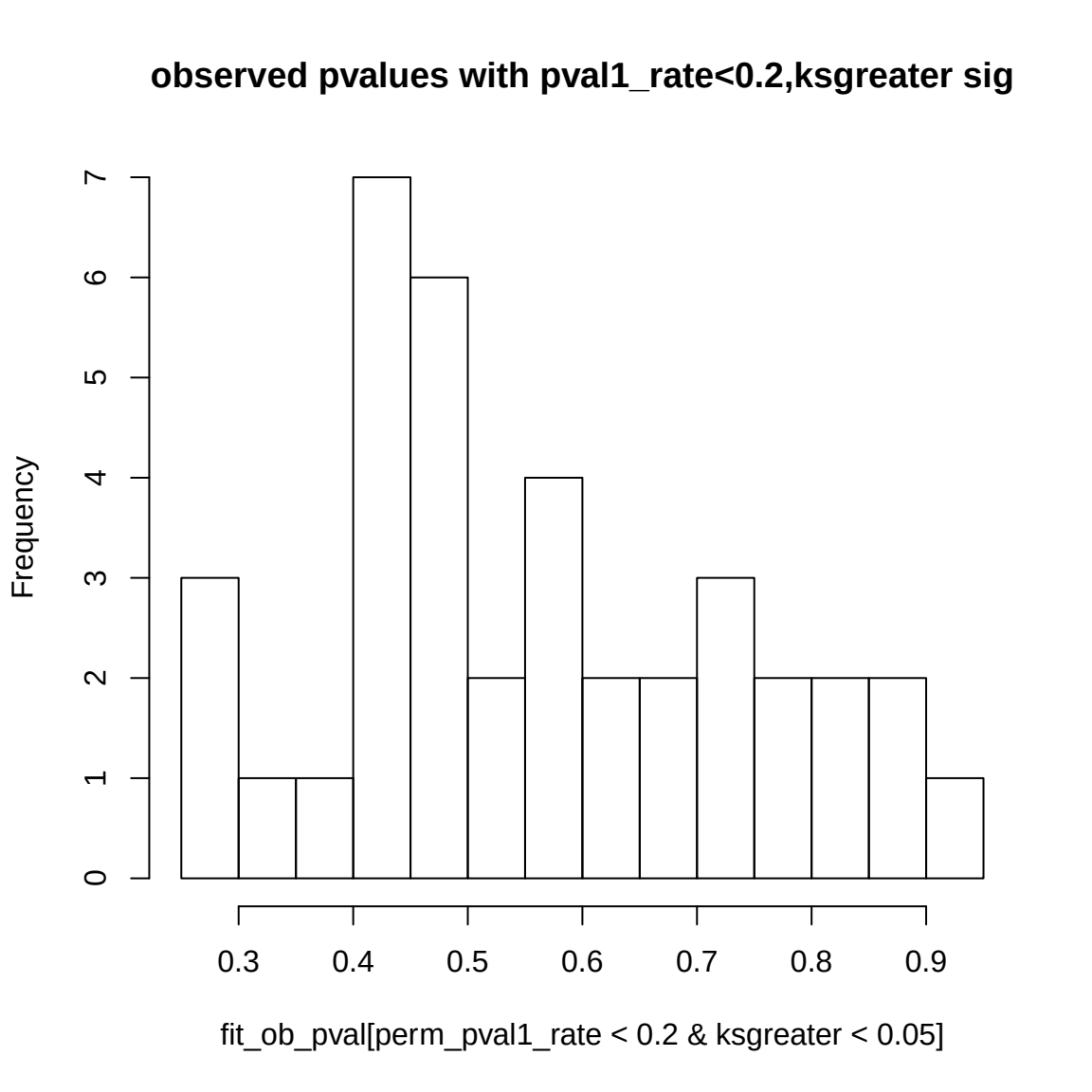

log expression of gene#1115, pval ob=0.3019, non−zero num=3
Frequency
0
10
20
30
40
1
2
3
4
exprM[i, non_zero_flag]
ind#: 31, diag#: 2

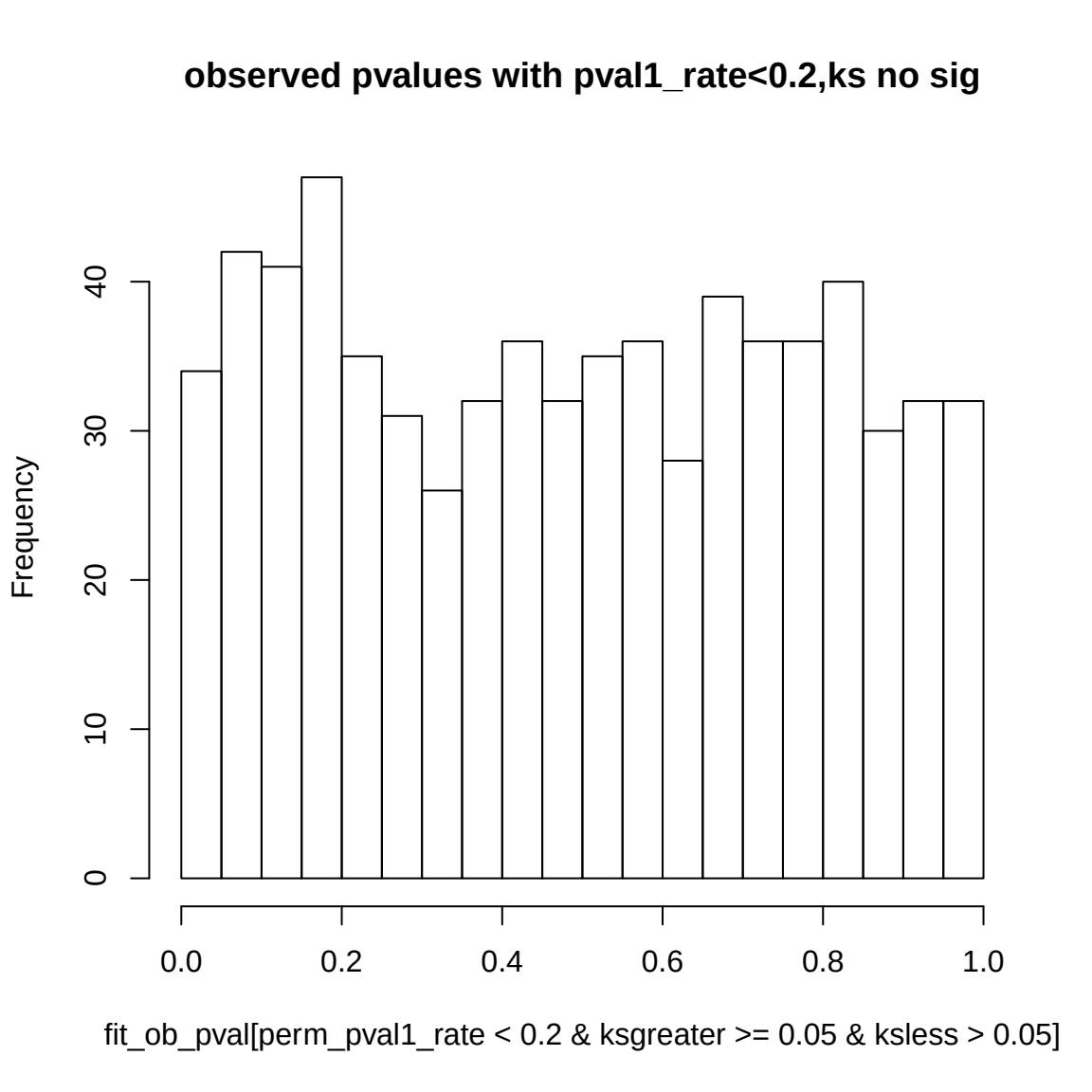

log expression of gene#1, pval ob=0.8033, non−zero num=55
Frequency
0
2
4
6
8
10
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 22, diag#: 2

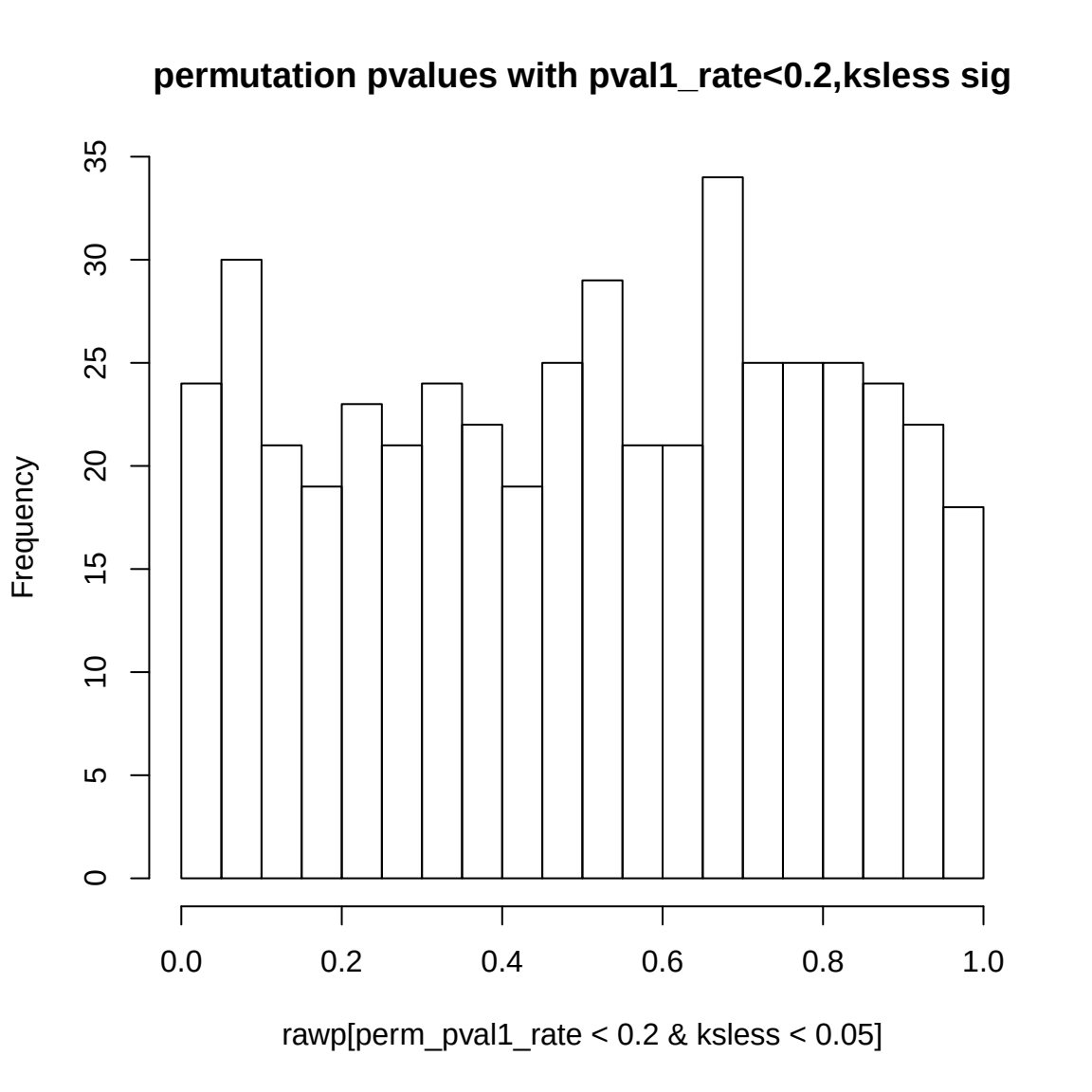

log expression of gene#1892, pval ob=0.5082, non−zero num=2
Frequency
0
1
2
3
4
5
6
7
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 14, diag#: 2

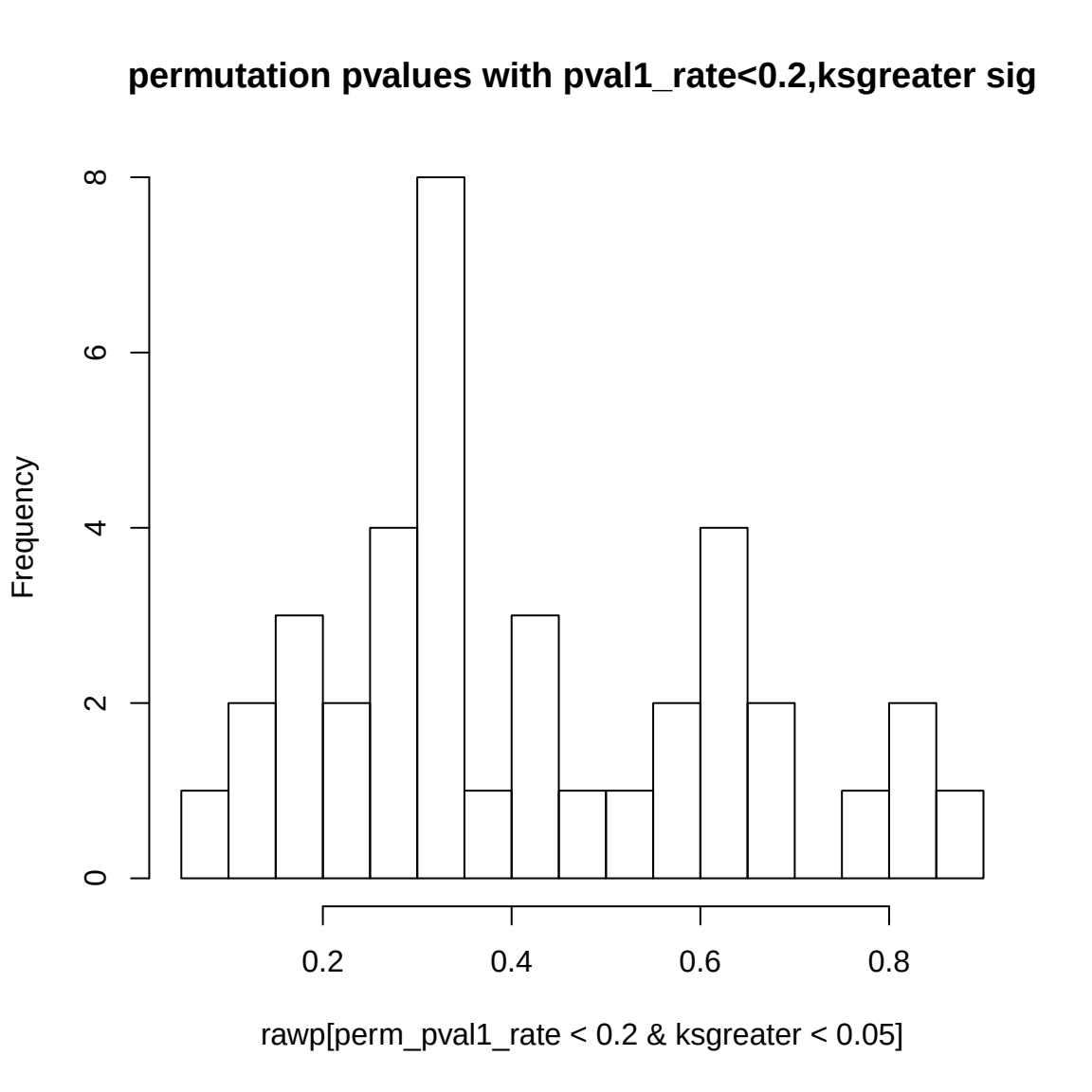

log expression of gene#2587, pval ob=0.5541, non−zero num=7
Frequency
0
5
10
15
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 25, diag#: 2

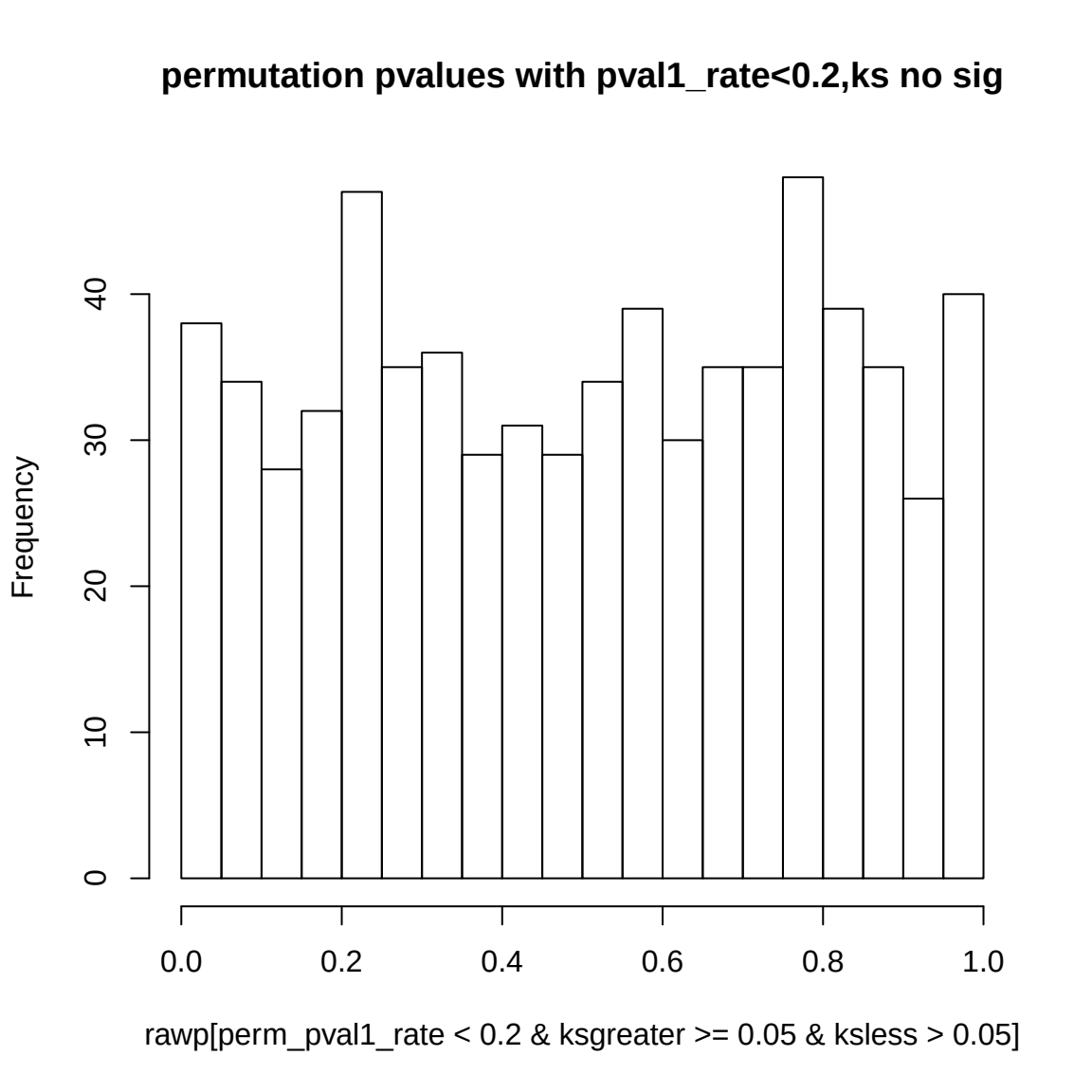

observed pvalues with pval1_rate<0.2,ksless sig
Frequency
0
20
40
60
80
100
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksless < 0.05]

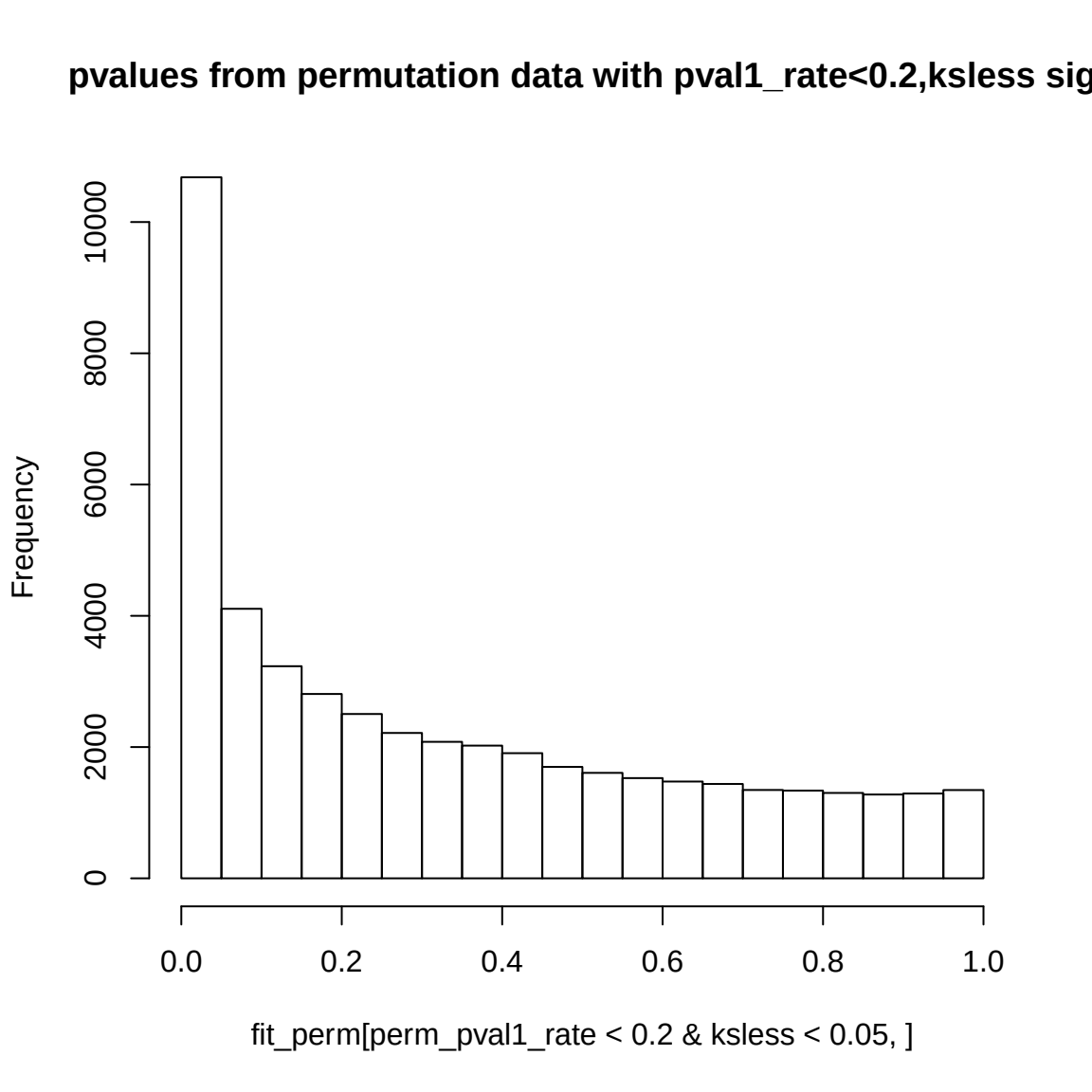

observed pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
1
2
3
4
5
6
7
0.3
0.4
0.5
0.6
0.7
0.8
0.9
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater < 0.05]

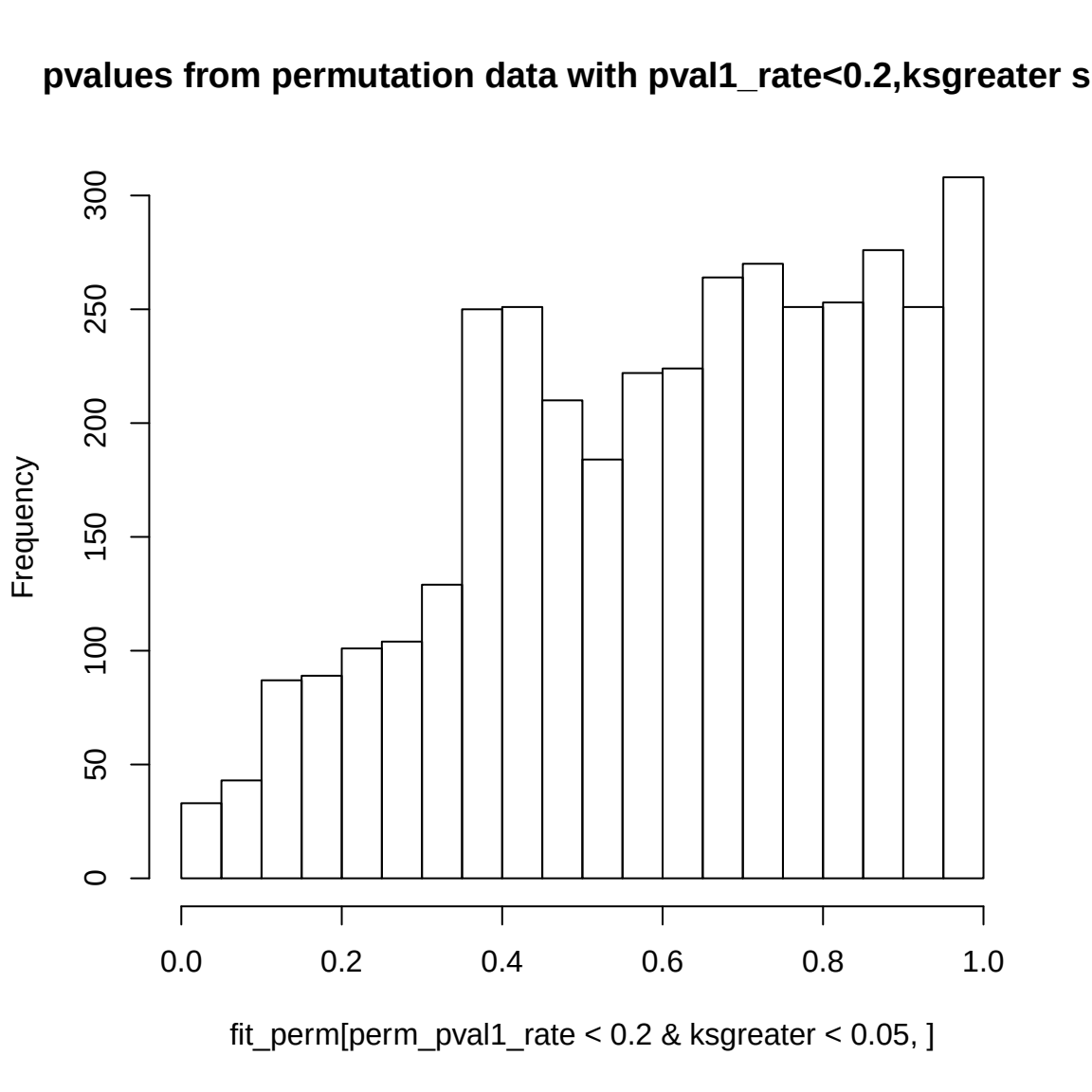

observed pvalues with pval1_rate<0.2,ks no sig
Frequency
0
10
20
30
40
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater >= 0.05 & ksless > 0.05]

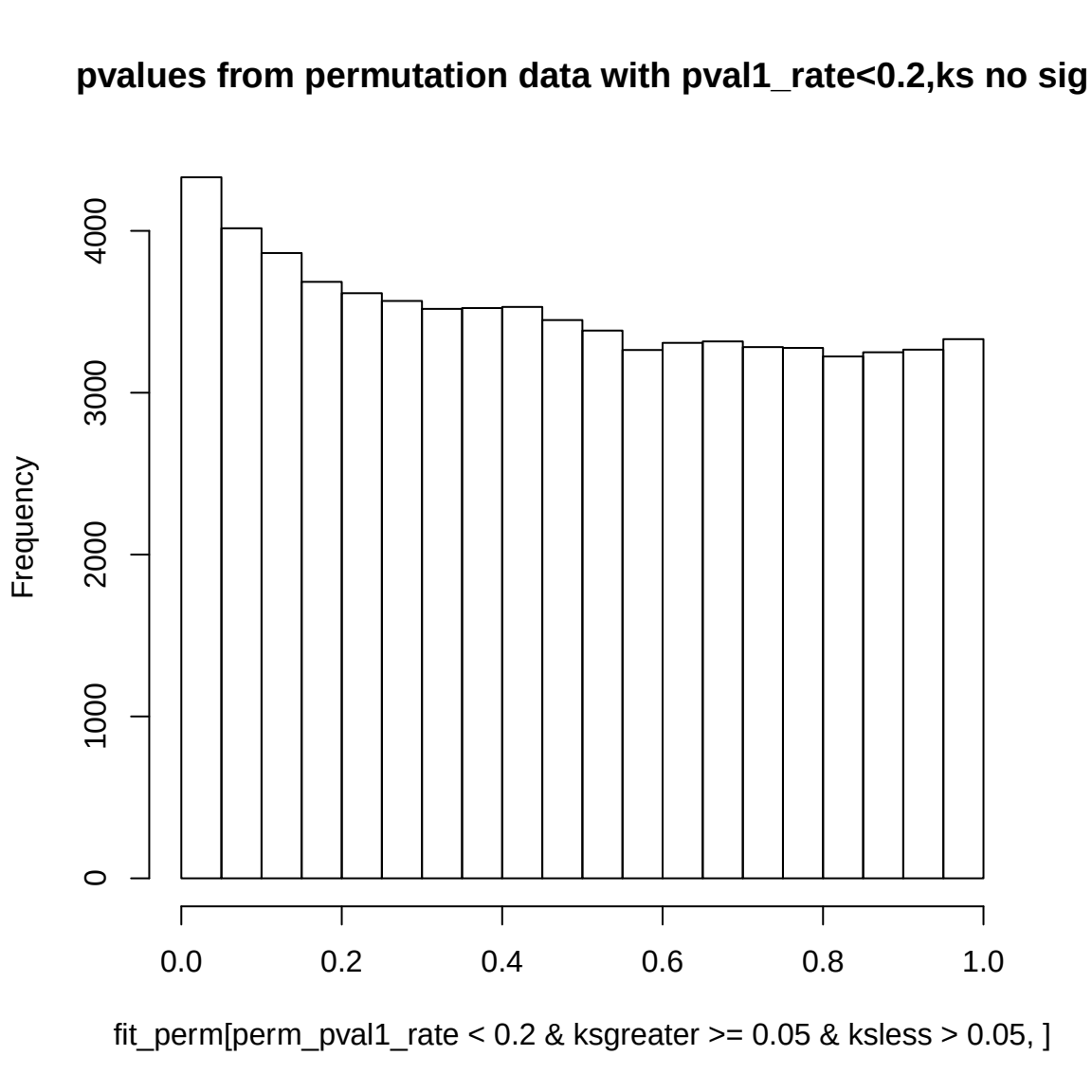

permutation pvalues with pval1_rate<0.2,ksless sig
Frequency
0
5
10
15
20
25
30
35
0.0
0.2
0.4
0.6
0.8
1.0
rawp[perm_pval1_rate < 0.2 & ksless < 0.05]


permutation pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
2
4
6
8
0.2
0.4
0.6
0.8
rawp[perm_pval1_rate < 0.2 & ksgreater < 0.05]


permutation pvalues with pval1_rate<0.2,ks no sig
Frequency
0
10
20
30
40
0.0
0.2
0.4
0.6
0.8
1.0
rawp[perm_pval1_rate < 0.2 & ksgreater >= 0.05 & ksless > 0.05]


pvalues from permutation data with pval1_rate<0.2,ksless sig
Frequency
0
2000
4000
6000
8000
10000
0.0
0.2
0.4
0.6
0.8
1.0
fit_perm[perm_pval1_rate < 0.2 & ksless < 0.05, ]


pvalues from permutation data with pval1_rate<0.2,ksgreater s
Frequency
0
50
100
150
200
250
300
0.0
0.2
0.4
0.6
0.8
1.0
fit_perm[perm_pval1_rate < 0.2 & ksgreater < 0.05, ]


pvalues from permutation data with pval1_rate<0.2,ks no sig
Frequency
0
1000
2000
3000
4000
0.0
0.2
0.4
0.6
0.8
1.0
fit_perm[perm_pval1_rate < 0.2 & ksgreater >= 0.05 & ksless > 0.05, ]