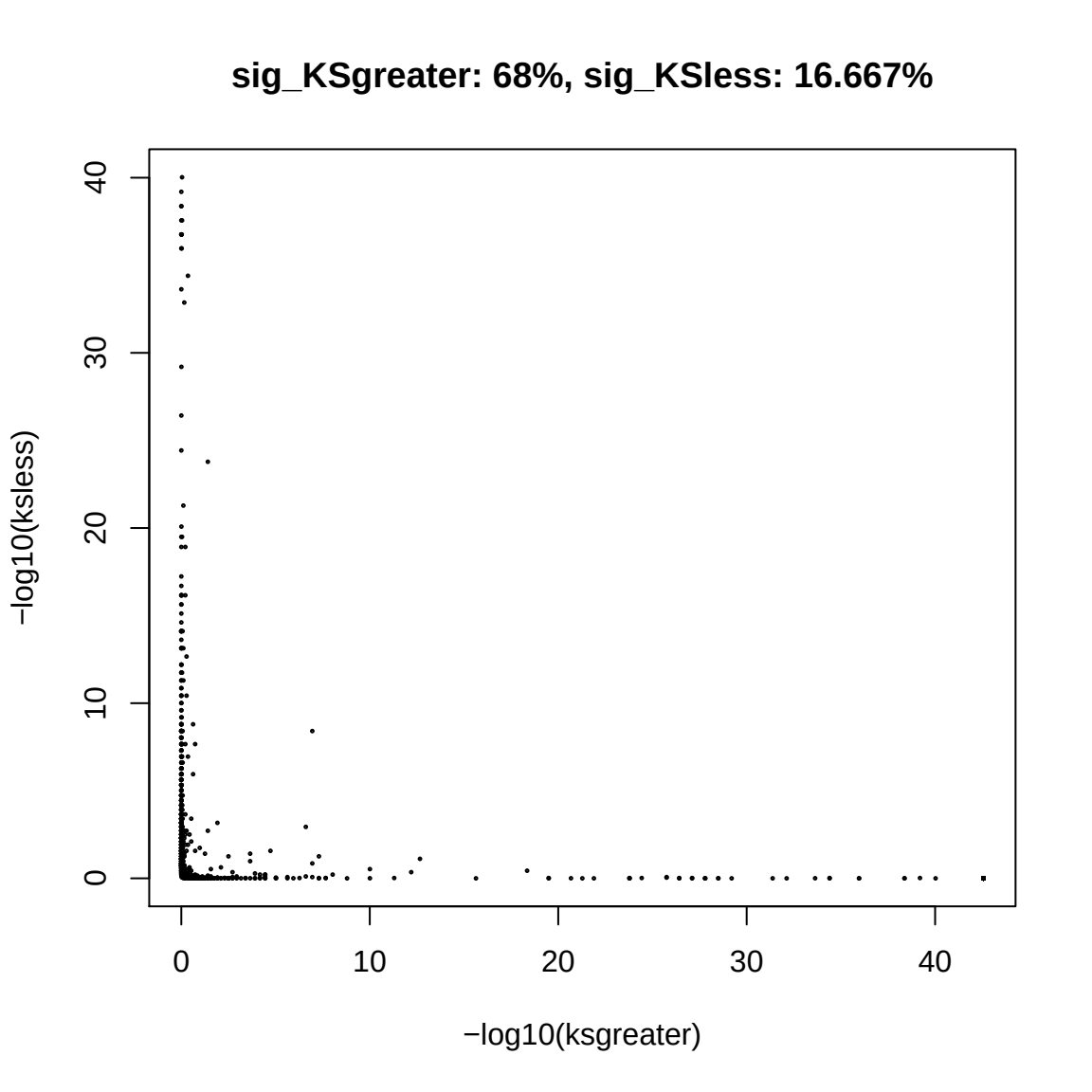
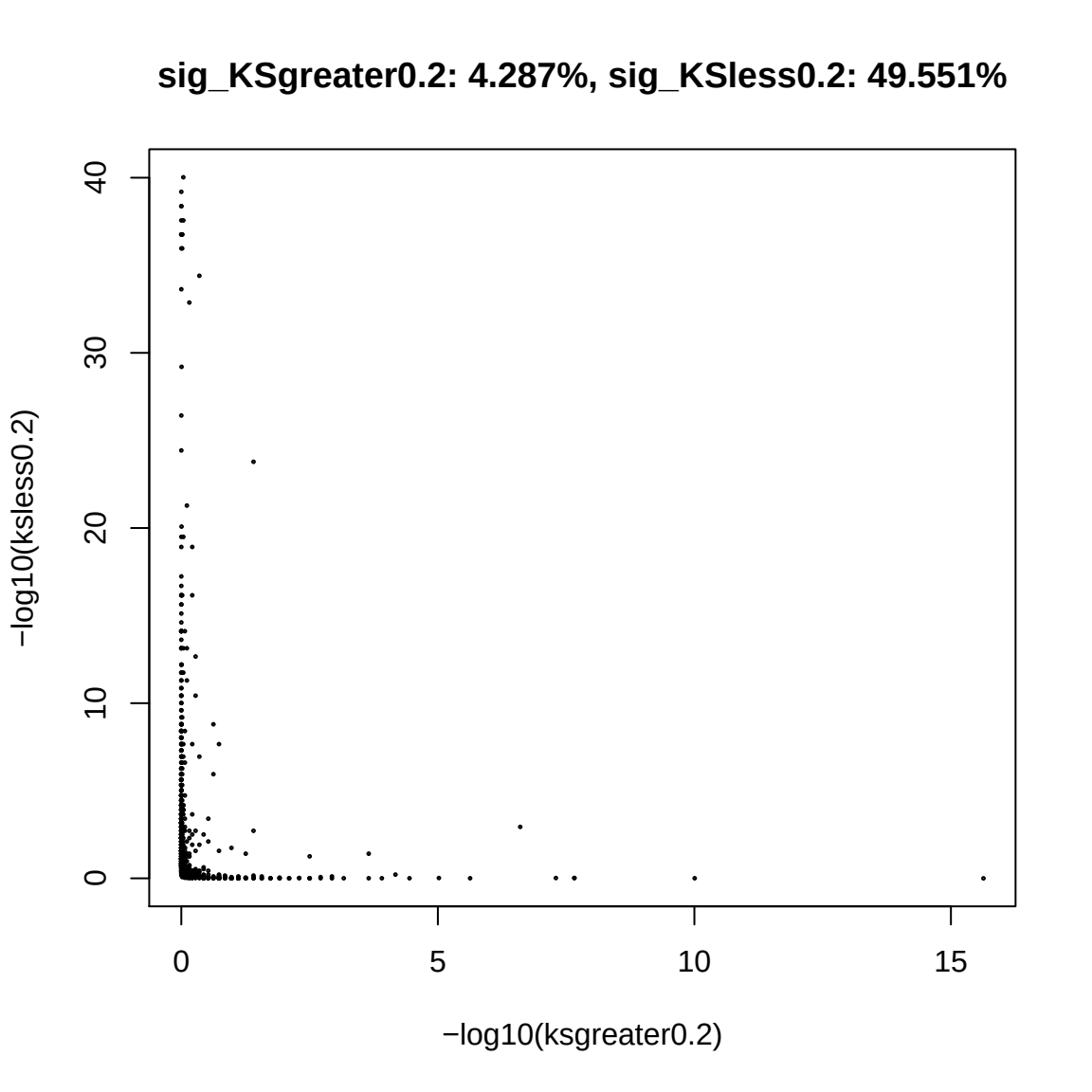
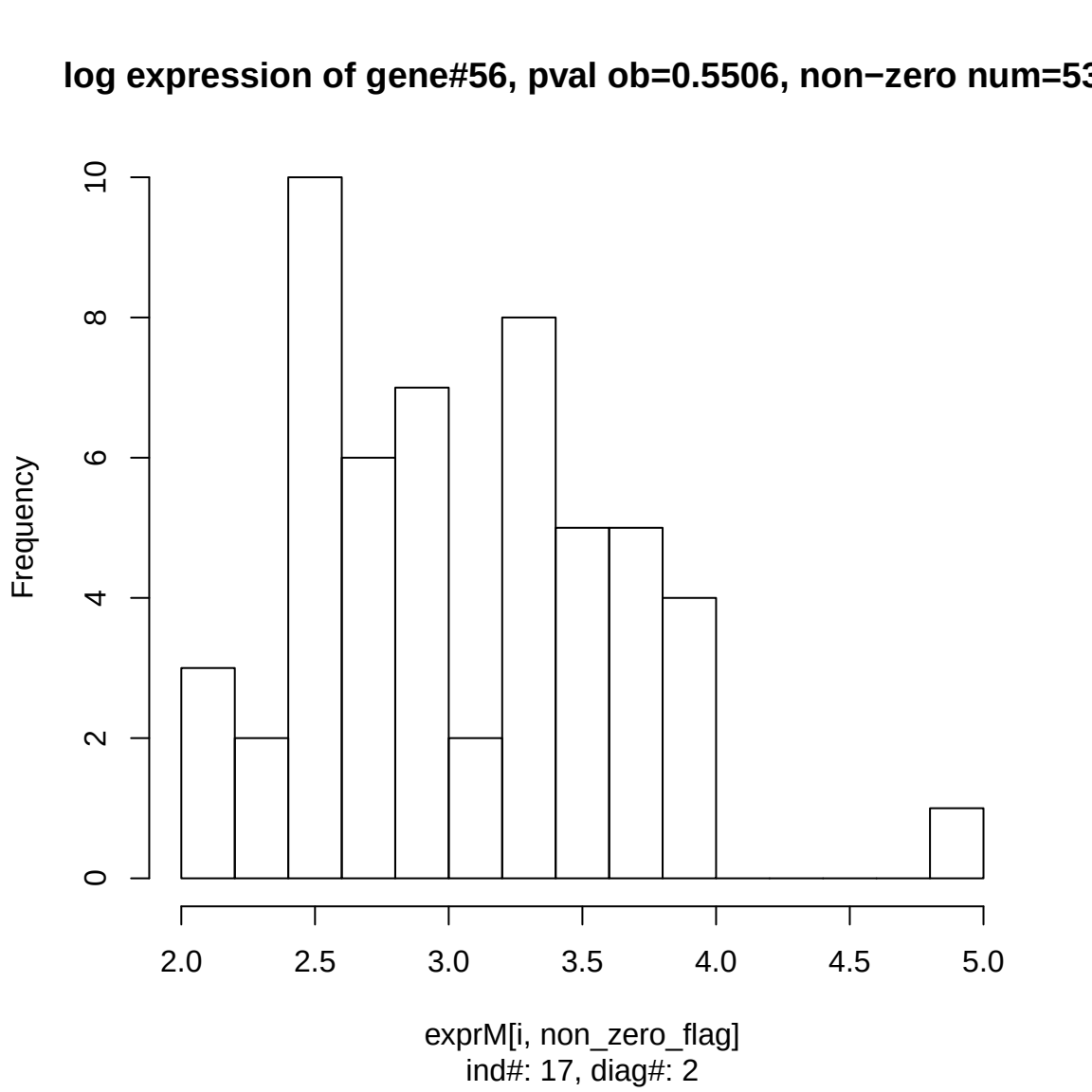
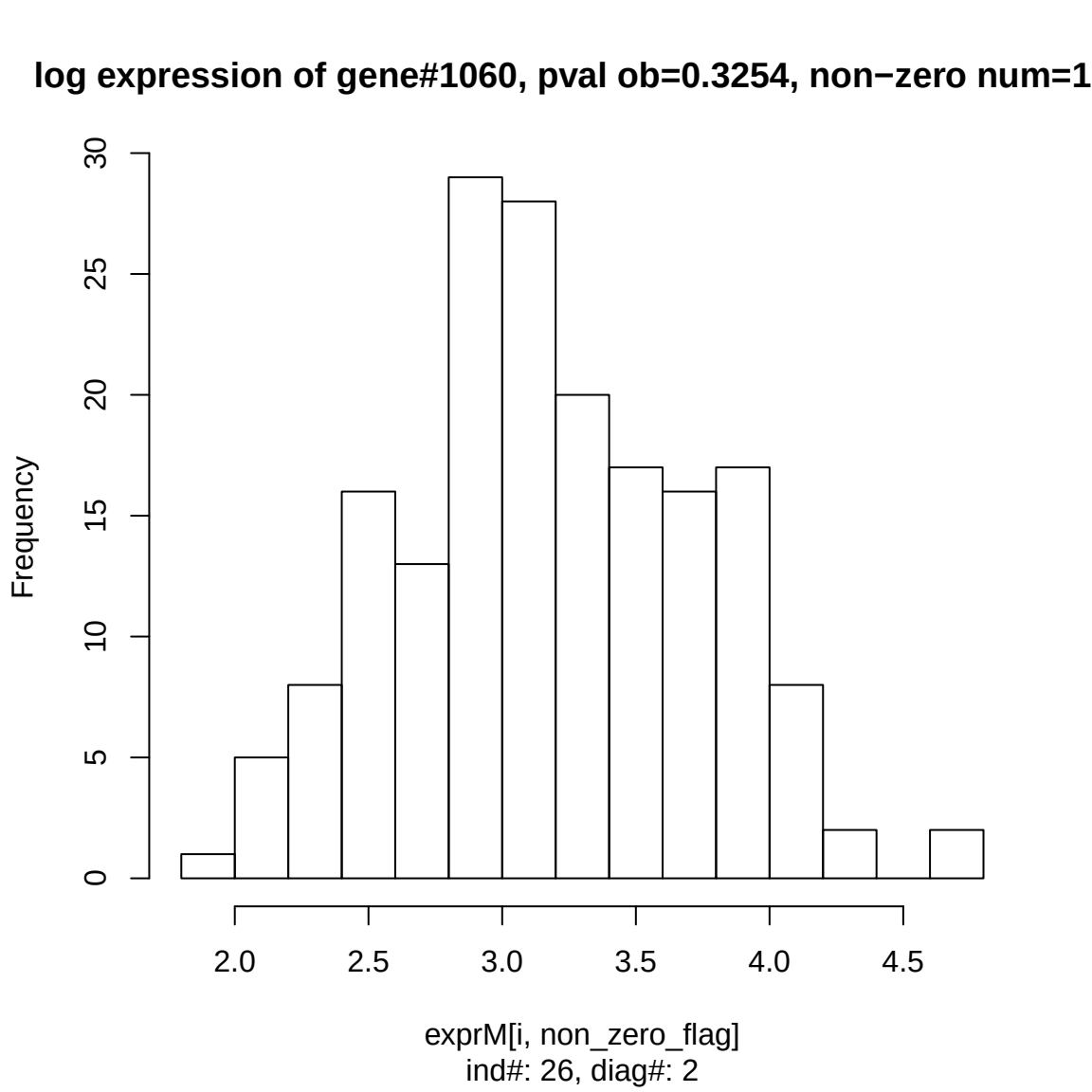
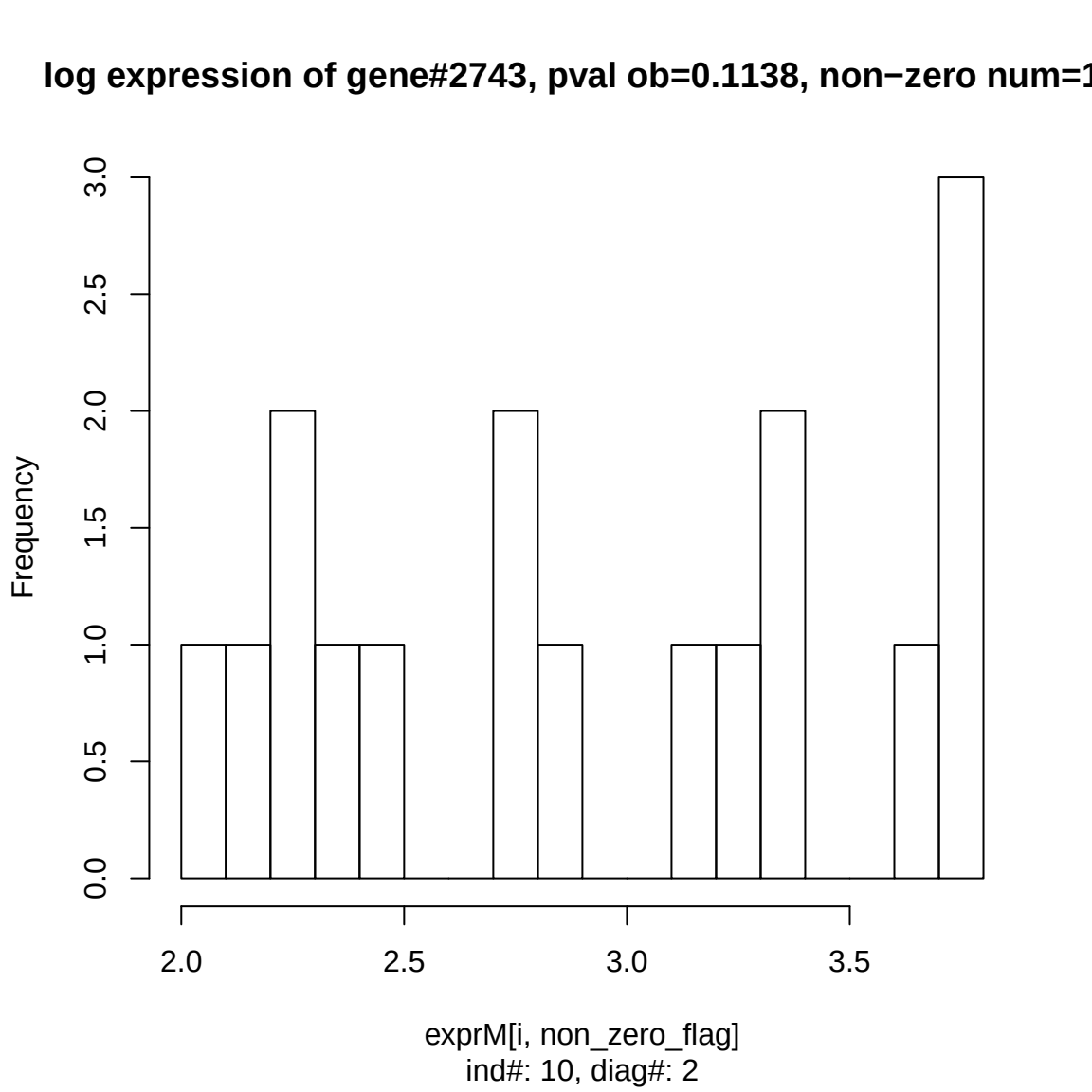
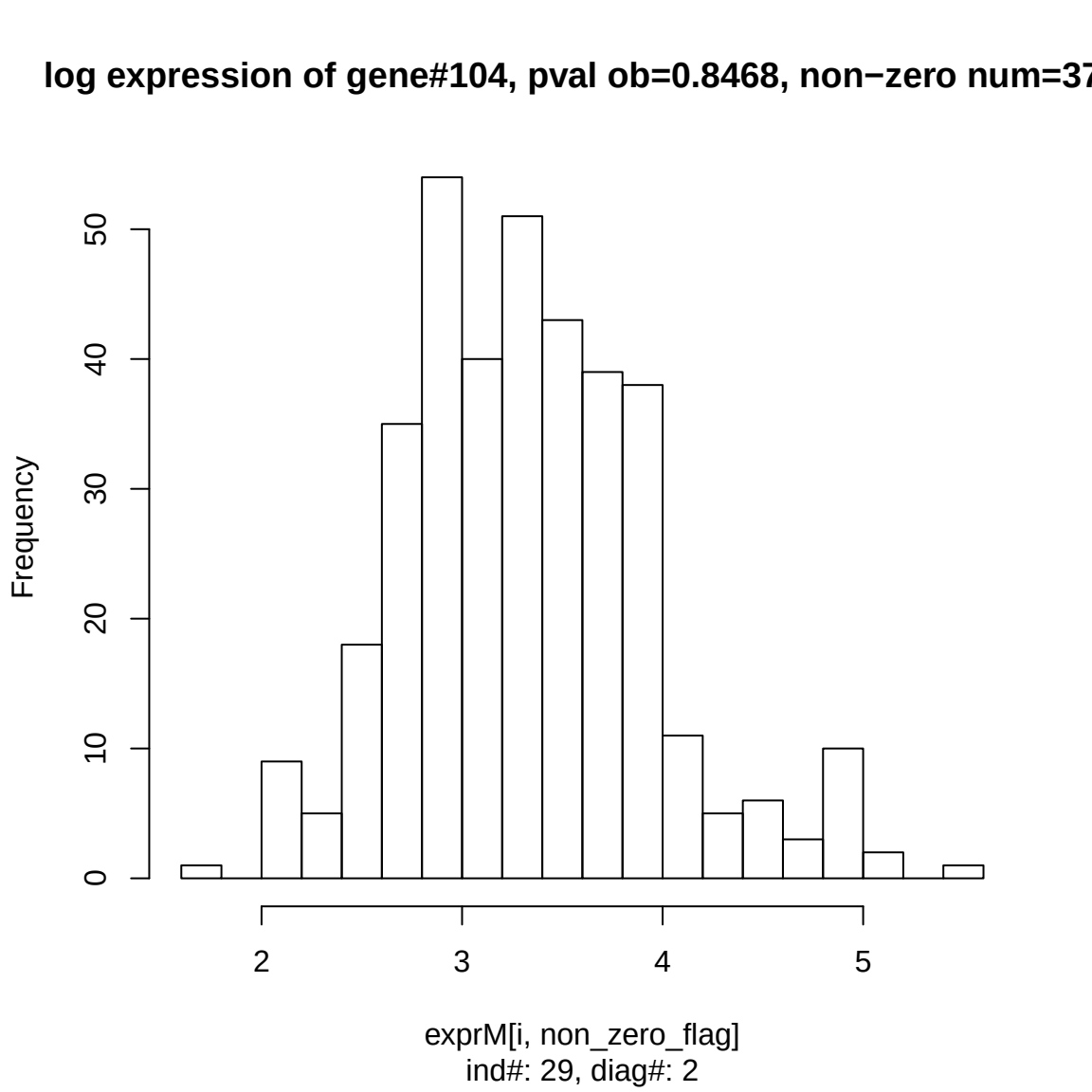

sig_KSgreater: 68%, sig_KSless: 16.667%
−log10(ksless)
0
10
20
30
40
−log10(ksgreater)
0
10
20
30
40

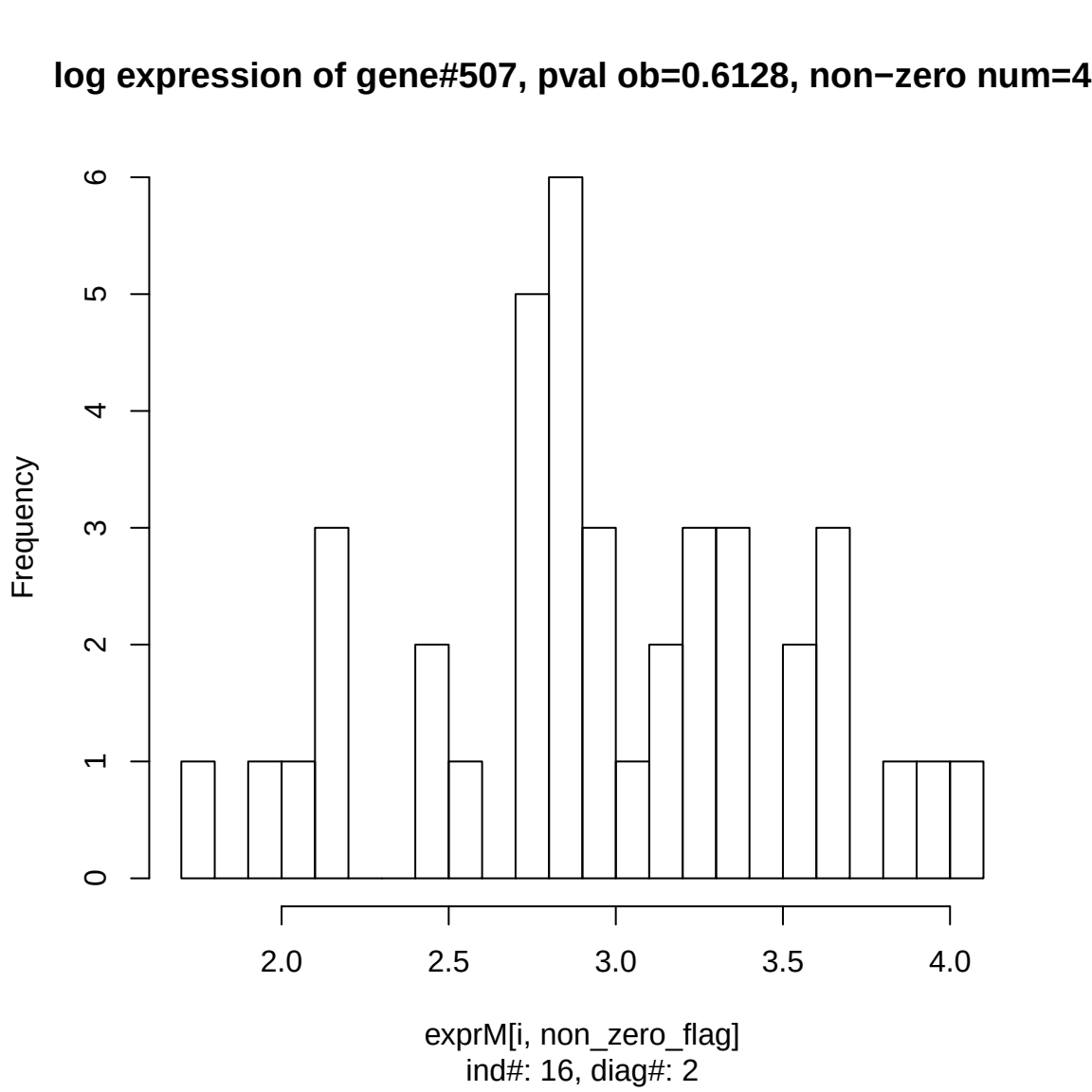

sig_KSgreater0.2: 4.287%, sig_KSless0.2: 49.551%
−log10(ksless0.2)
0
10
20
30
40
0
5
10
15
−log10(ksgreater0.2)

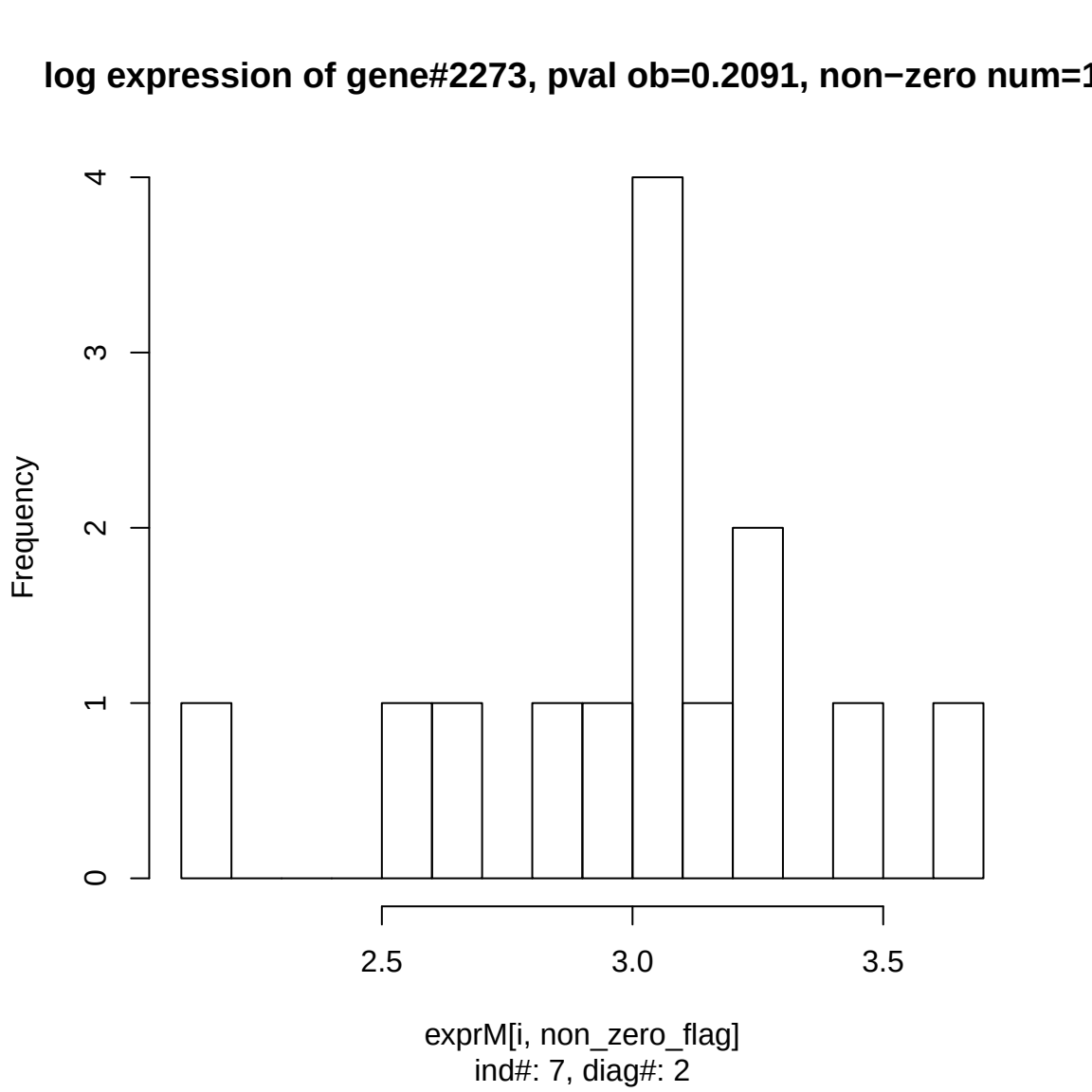

log expression of gene#56, pval ob=0.5506, non−zero num=53
Frequency
0
2
4
6
8
10
2.0
2.5
3.0
3.5
4.0
4.5
5.0
exprM[i, non_zero_flag]
ind#: 17, diag#: 2

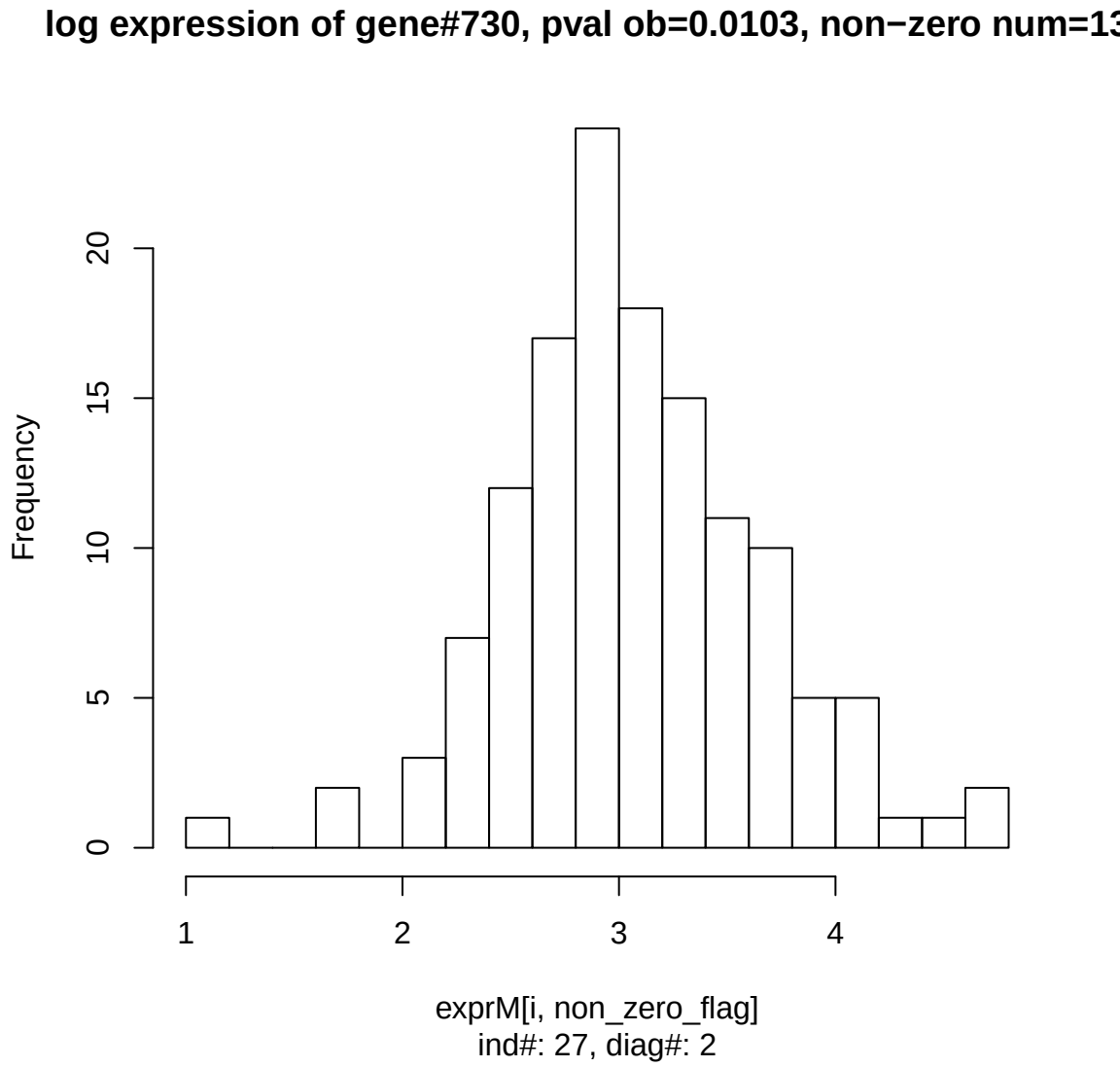

log expression of gene#1060, pval ob=0.3254, non−zero num=1
Frequency
0
5
10
15
20
25
30
2.0
2.5
3.0
3.5
4.0
4.5
exprM[i, non_zero_flag]
ind#: 26, diag#: 2

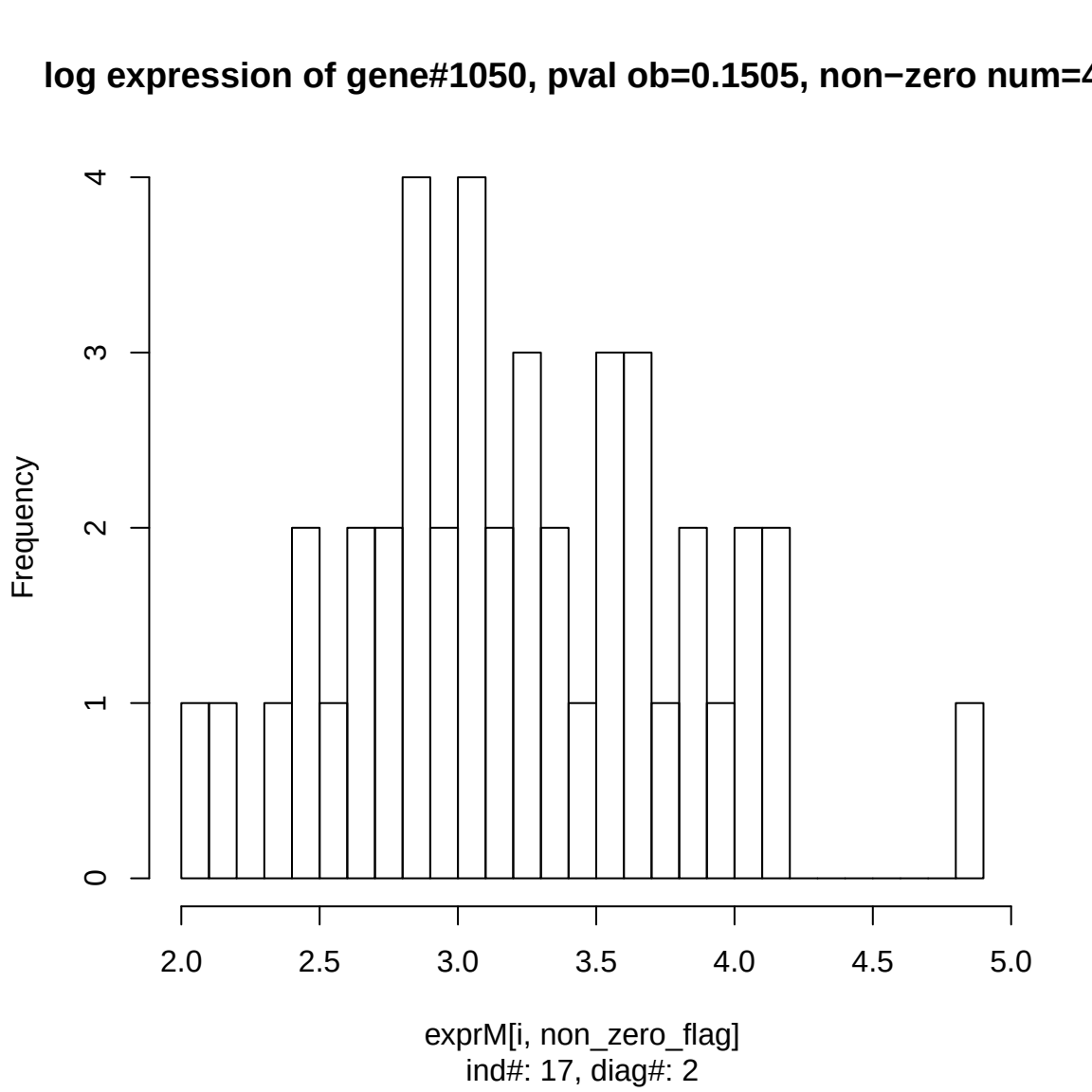

log expression of gene#2743, pval ob=0.1138, non−zero num=1
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 10, diag#: 2

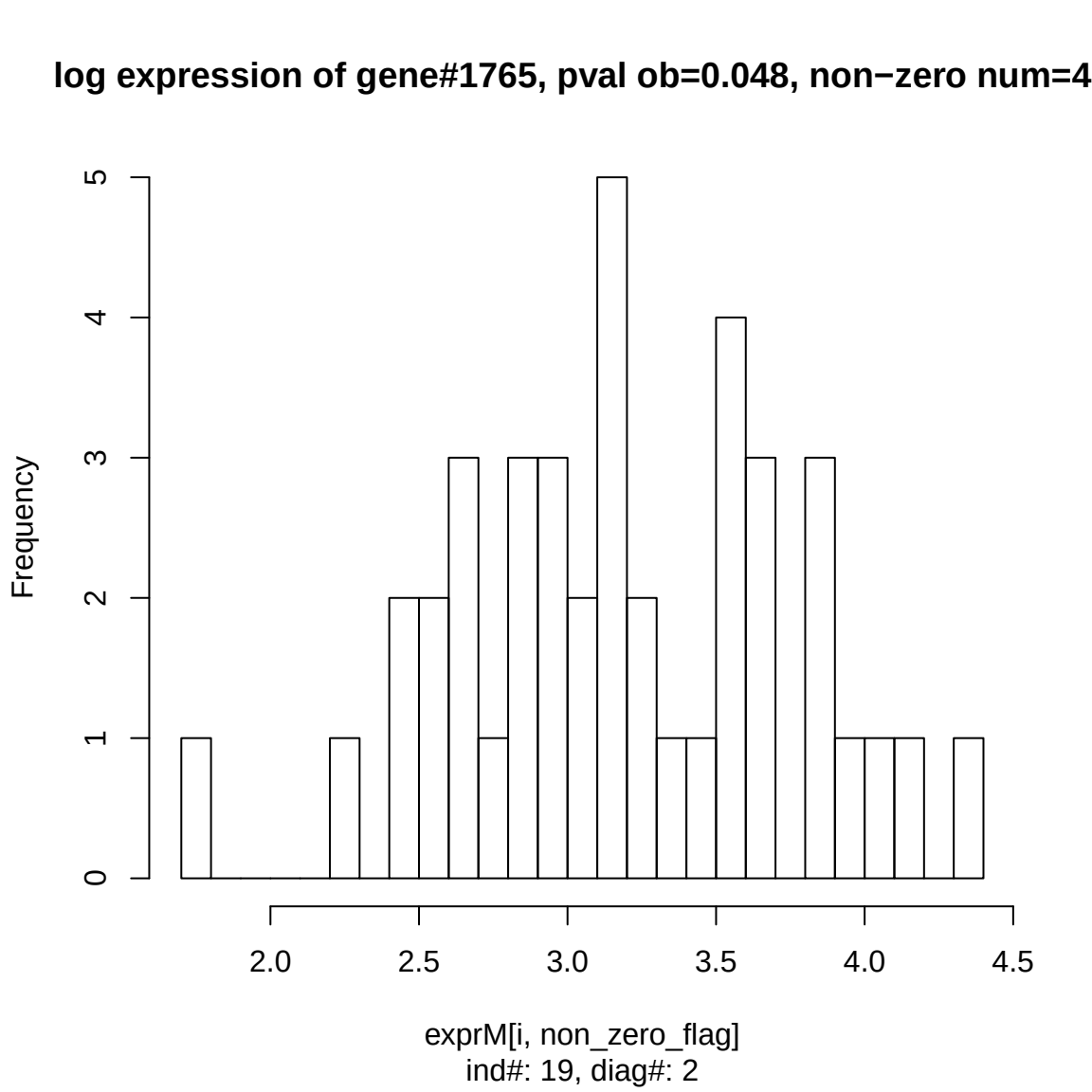

log expression of gene#104, pval ob=0.8468, non−zero num=37
Frequency
0
10
20
30
40
50
2
3
4
5
exprM[i, non_zero_flag]
ind#: 29, diag#: 2

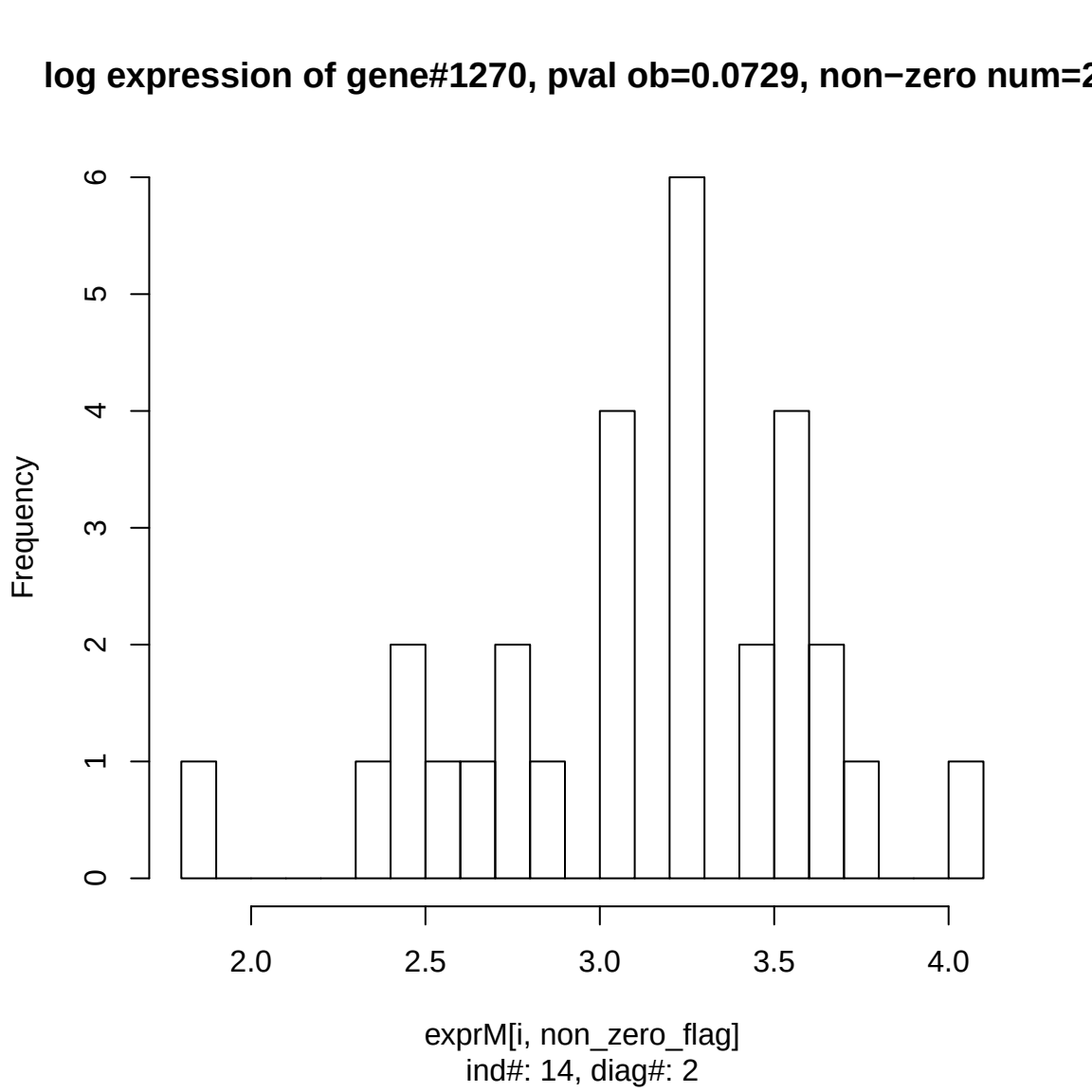

log expression of gene#507, pval ob=0.6128, non−zero num=4
Frequency
0
1
2
3
4
5
6
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 16, diag#: 2

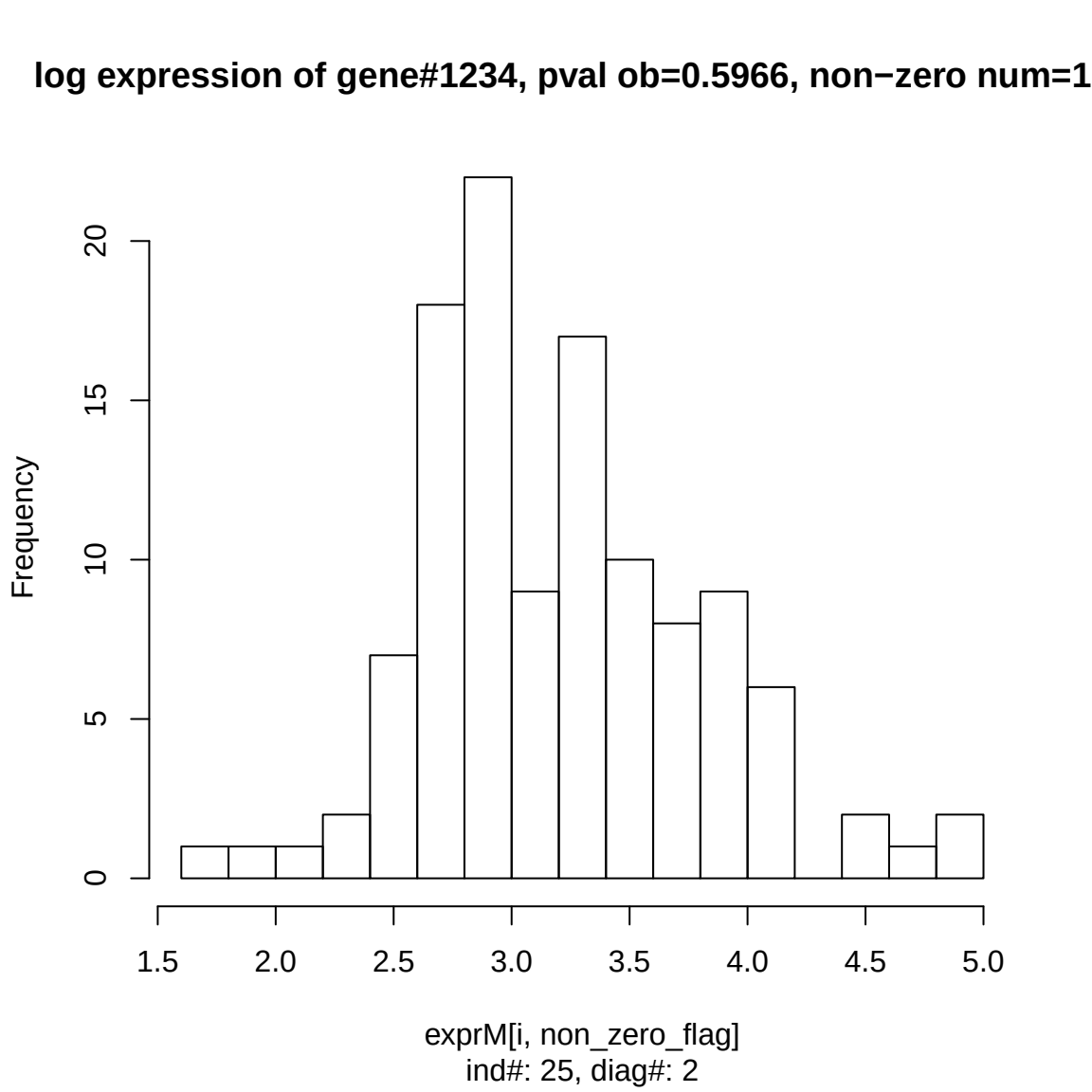

log expression of gene#2273, pval ob=0.2091, non−zero num=1
Frequency
0
1
2
3
4
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 7, diag#: 2

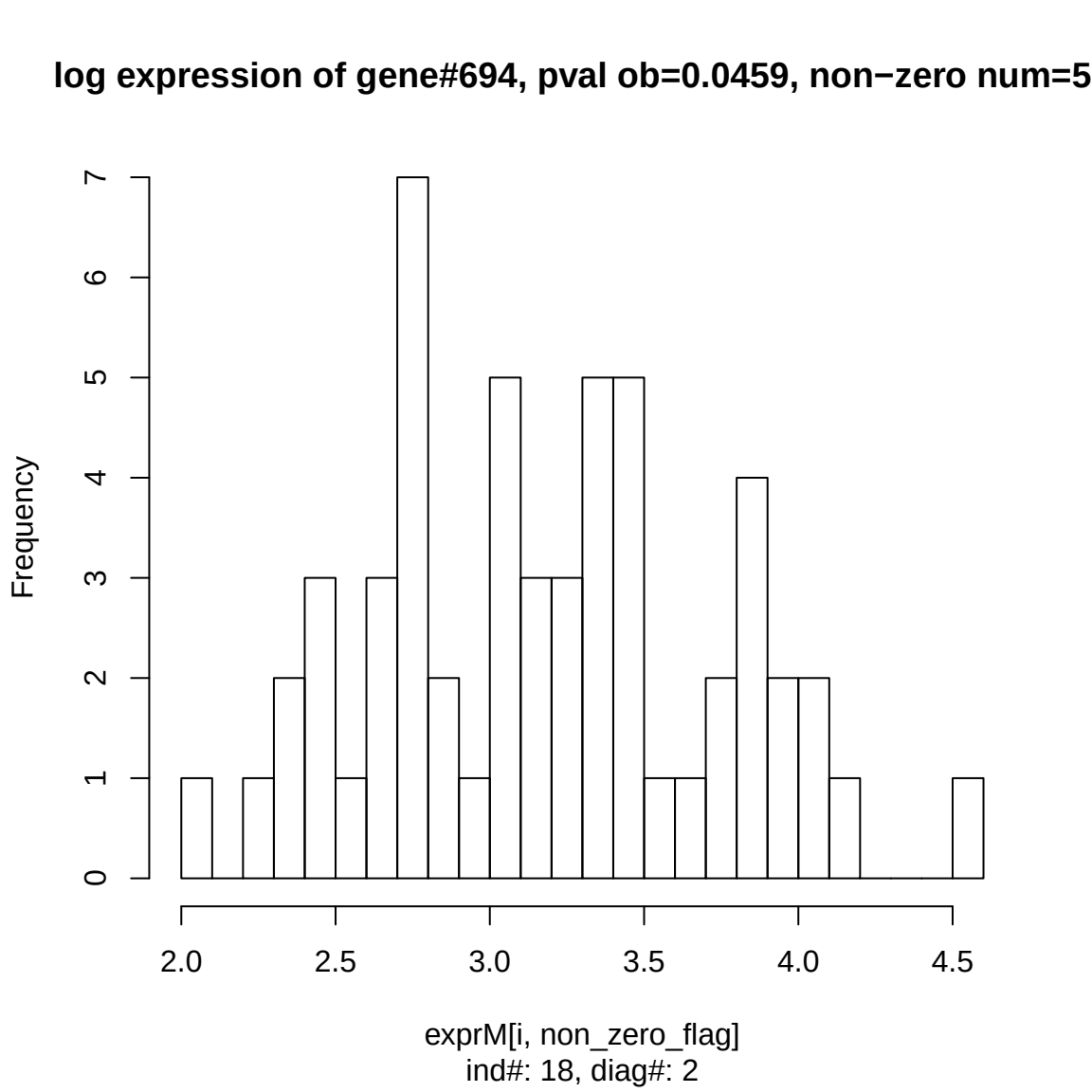

log expression of gene#730, pval ob=0.0103, non−zero num=13
Frequency
0
5
10
15
20
1
2
3
4
exprM[i, non_zero_flag]
ind#: 27, diag#: 2

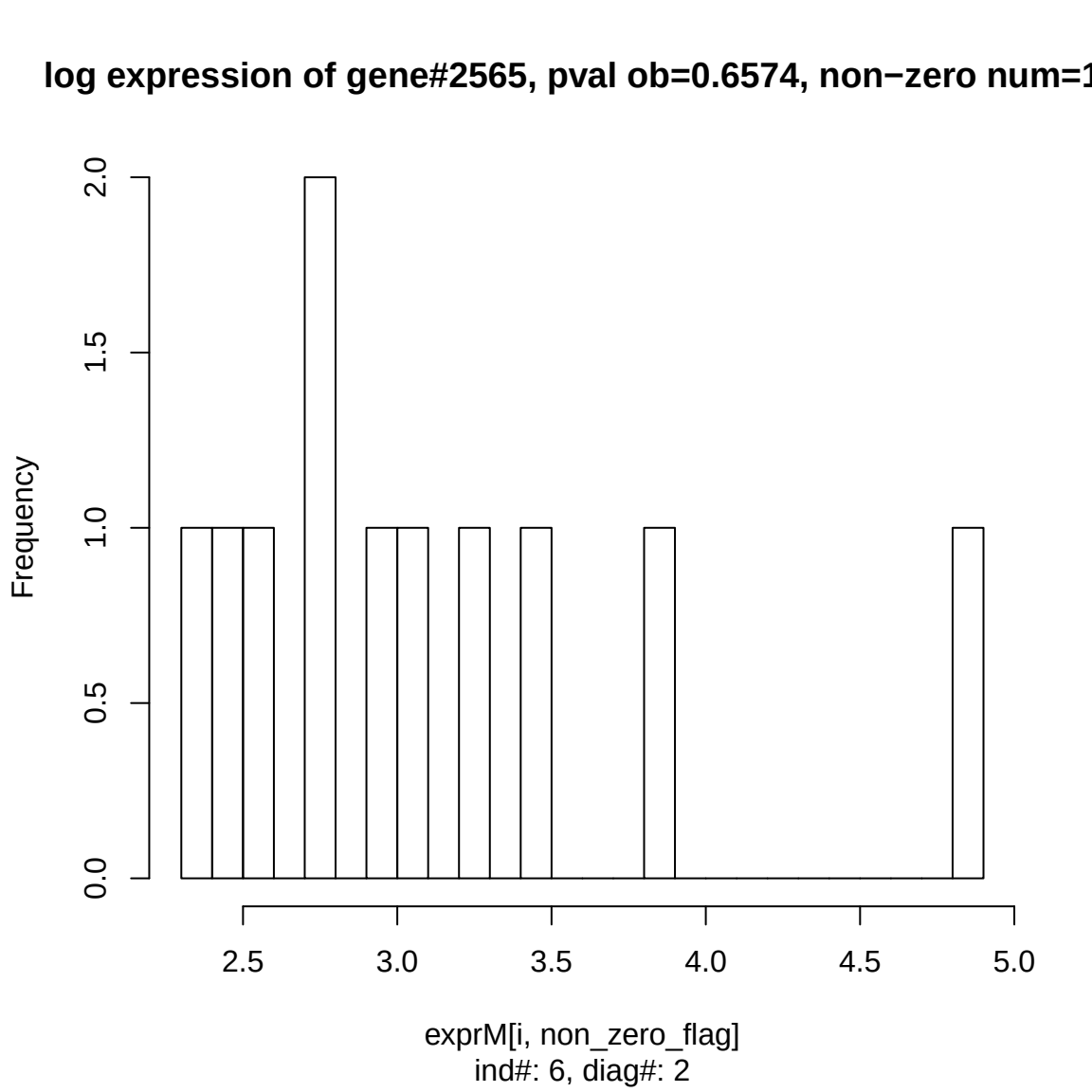

log expression of gene#1050, pval ob=0.1505, non−zero num=4
Frequency
0
1
2
3
4
2.0
2.5
3.0
3.5
4.0
4.5
5.0
exprM[i, non_zero_flag]
ind#: 17, diag#: 2

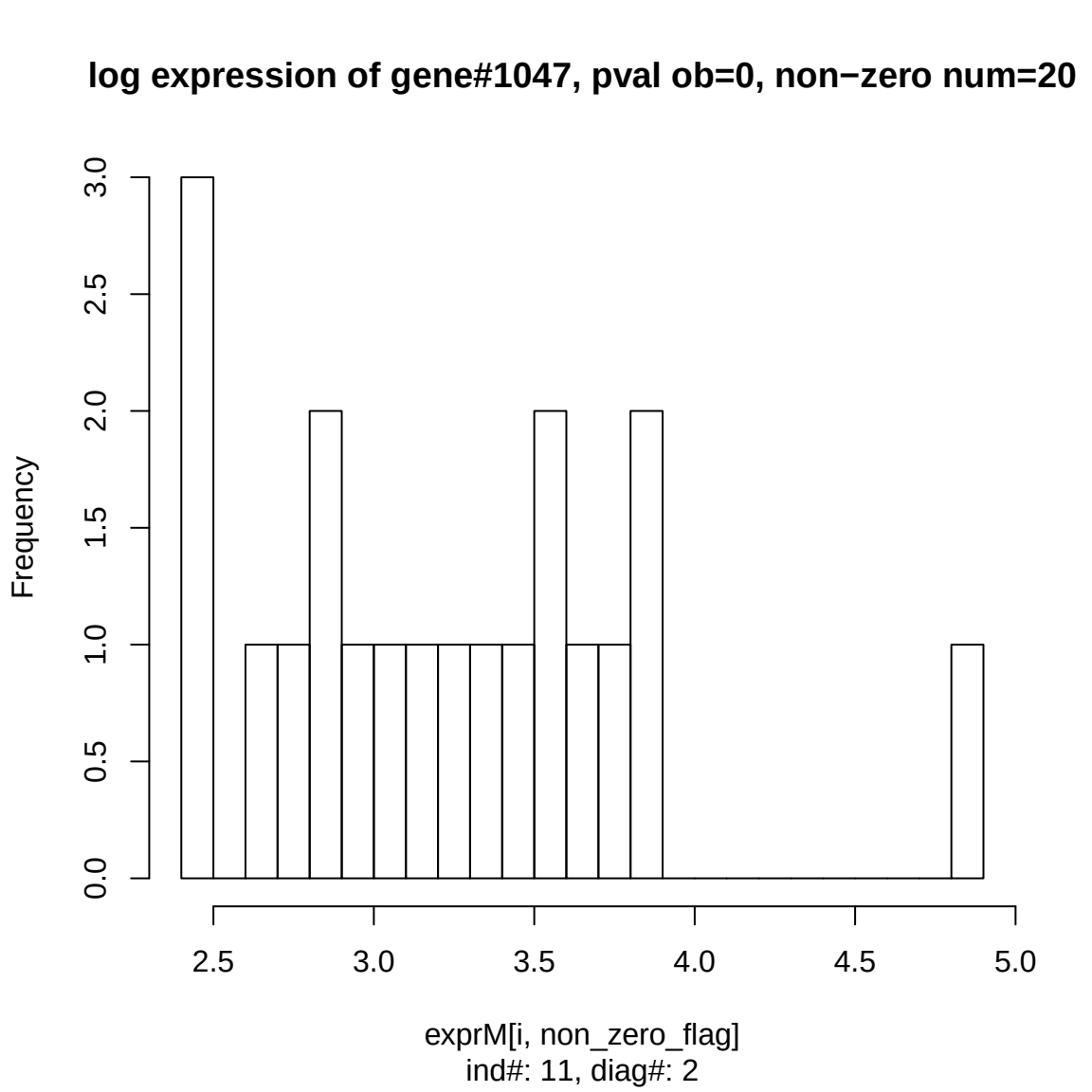

log expression of gene#1765, pval ob=0.048, non−zero num=4
Frequency
0
1
2
3
4
5
2.0
2.5
3.0
3.5
4.0
4.5
exprM[i, non_zero_flag]
ind#: 19, diag#: 2

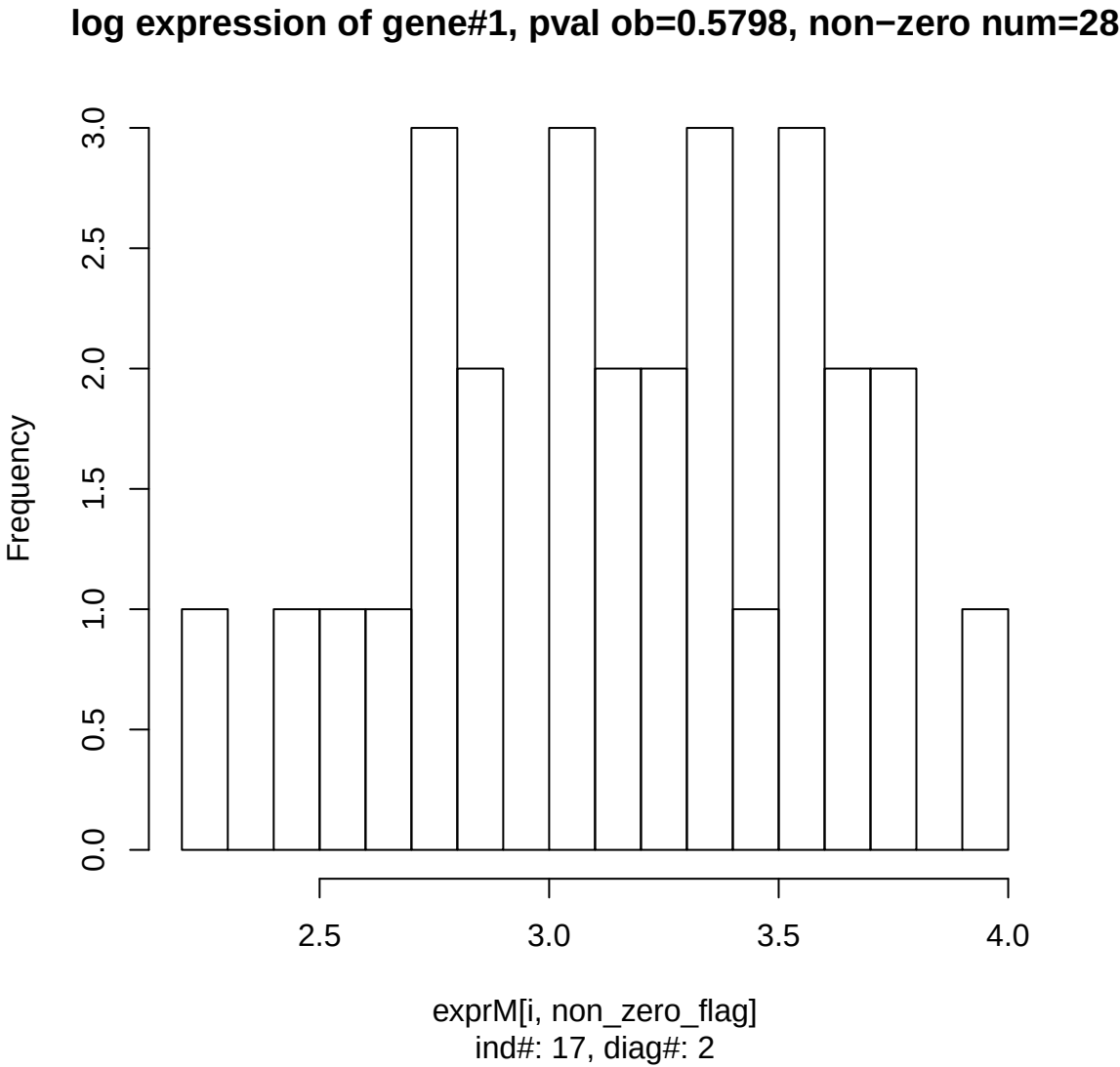

log expression of gene#1270, pval ob=0.0729, non−zero num=2
Frequency
0
1
2
3
4
5
6
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 14, diag#: 2

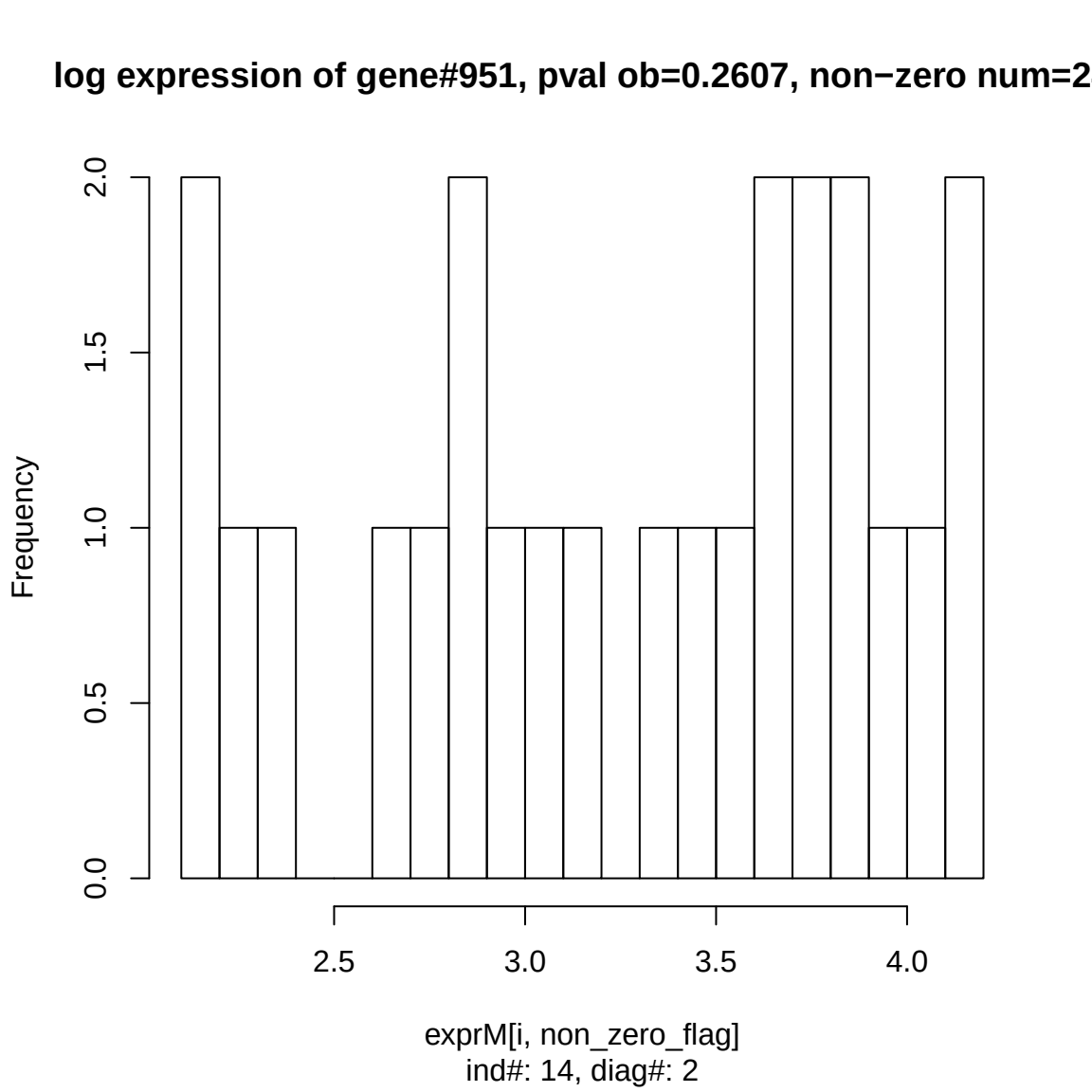

log expression of gene#1234, pval ob=0.5966, non−zero num=1
Frequency
0
5
10
15
20
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
exprM[i, non_zero_flag]
ind#: 25, diag#: 2

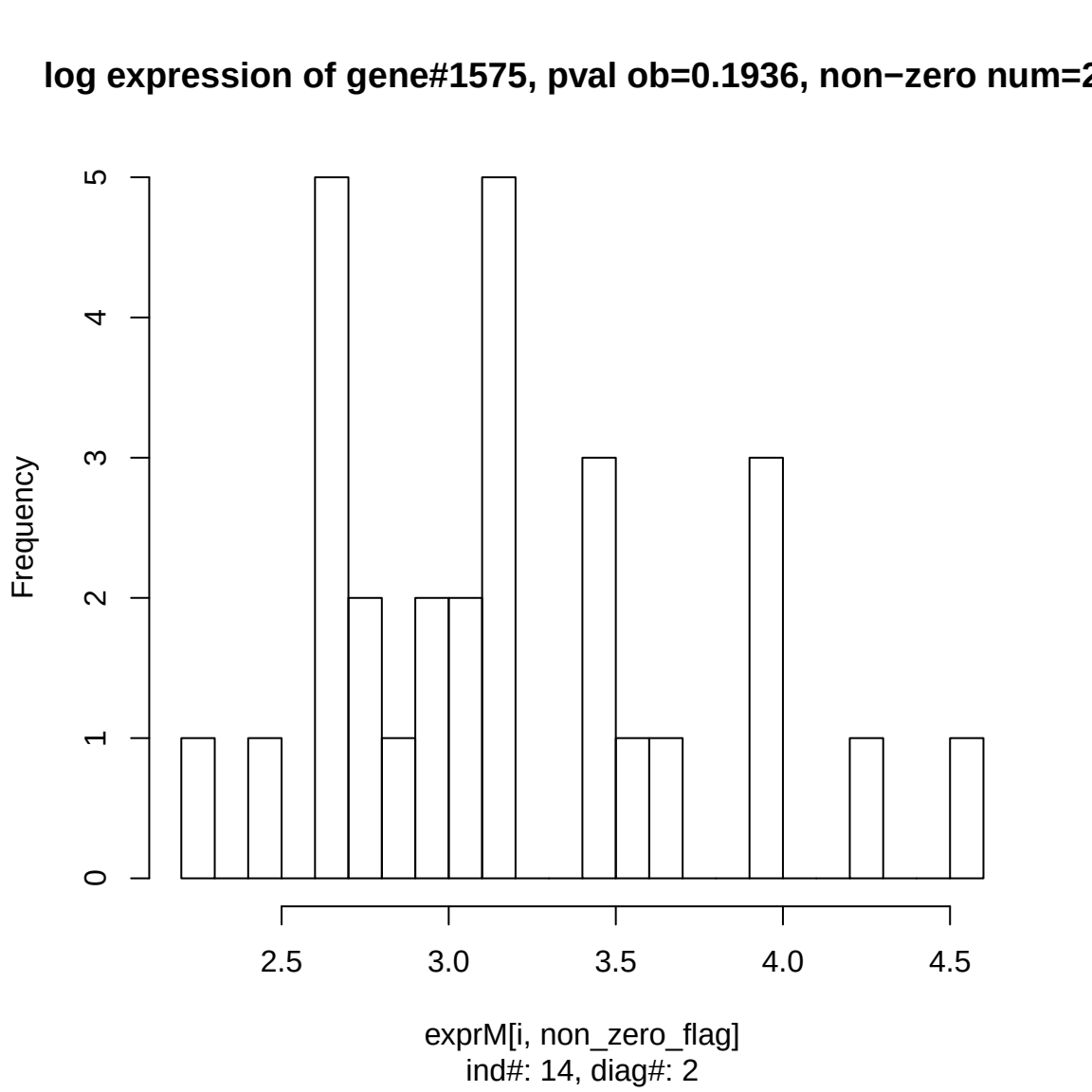

log expression of gene#694, pval ob=0.0459, non−zero num=5
Frequency
0
1
2
3
4
5
6
7
2.0
2.5
3.0
3.5
4.0
4.5
exprM[i, non_zero_flag]
ind#: 18, diag#: 2

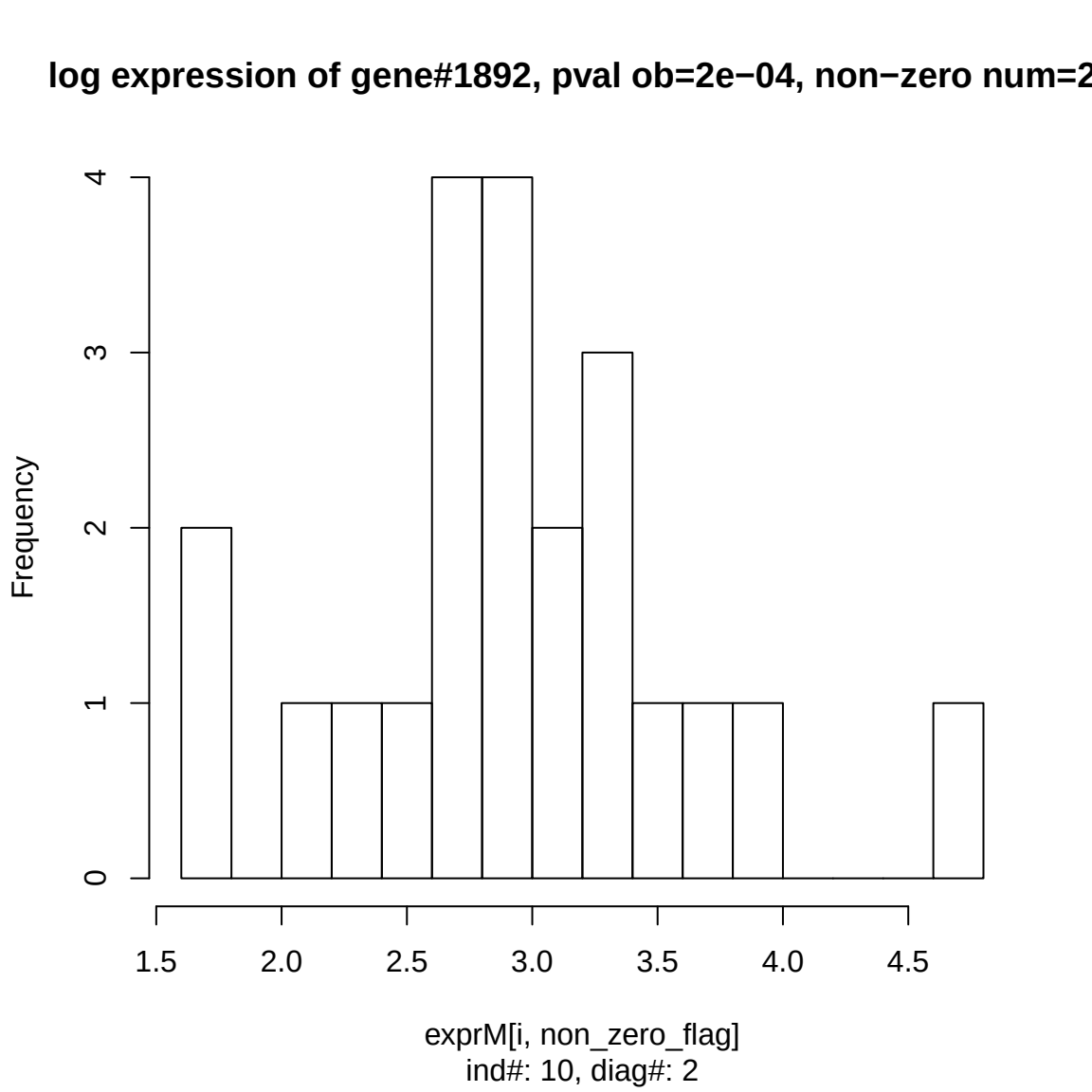

log expression of gene#2565, pval ob=0.6574, non−zero num=1
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
exprM[i, non_zero_flag]
ind#: 6, diag#: 2

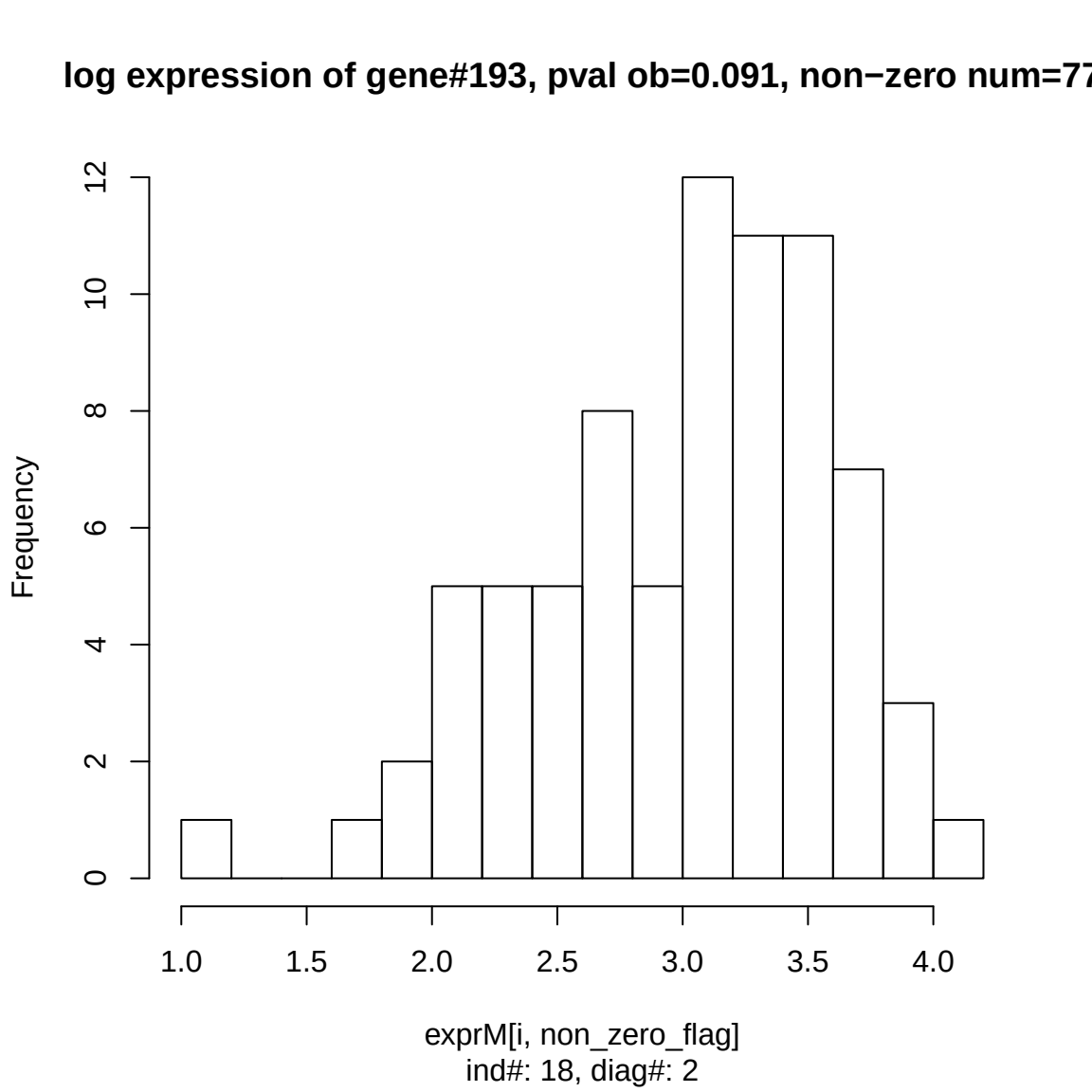

log expression of gene#1047, pval ob=0, non−zero num=20
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
2.5
3.0
3.5
4.0
4.5
5.0
exprM[i, non_zero_flag]
ind#: 11, diag#: 2

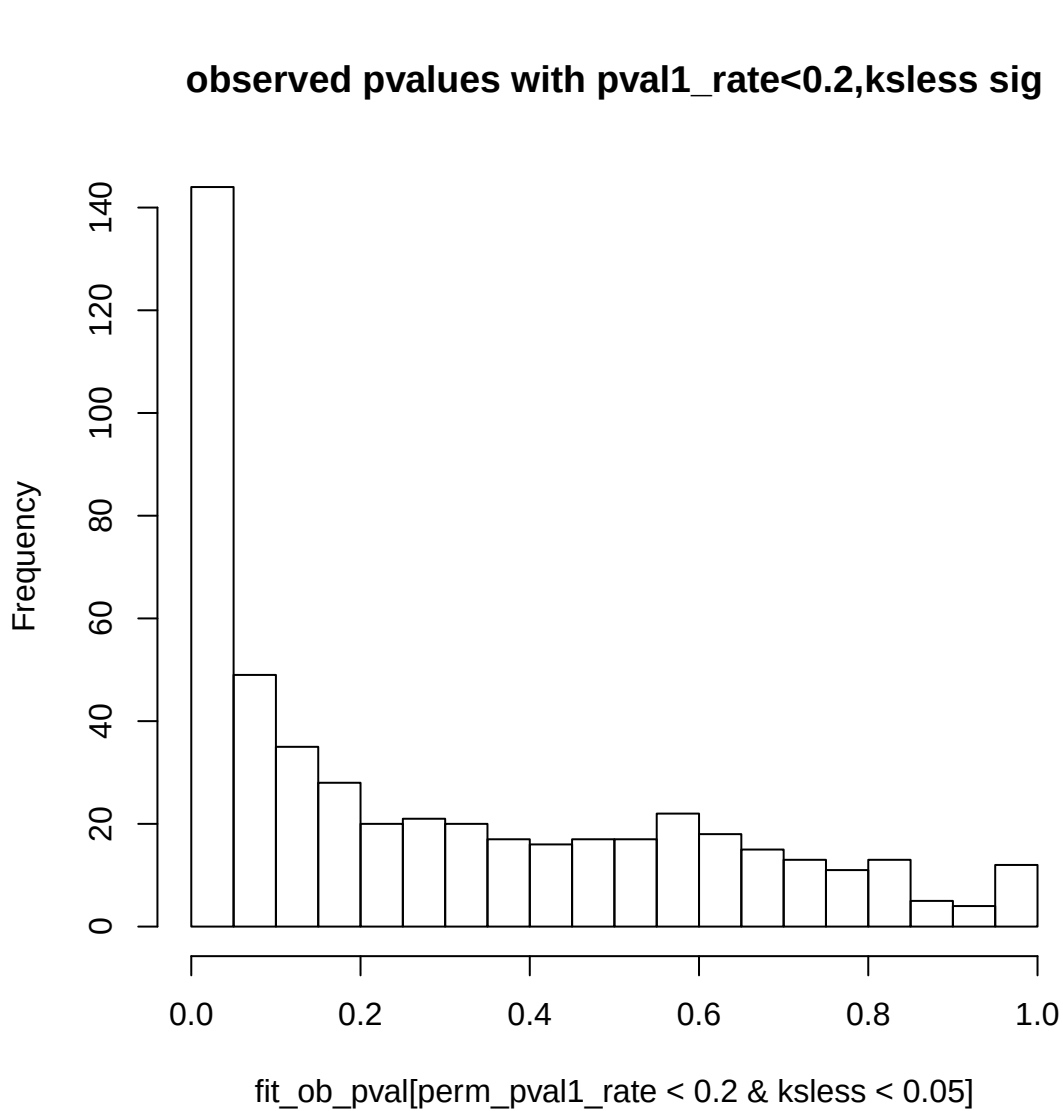

log expression of gene#1, pval ob=0.5798, non−zero num=28
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 17, diag#: 2

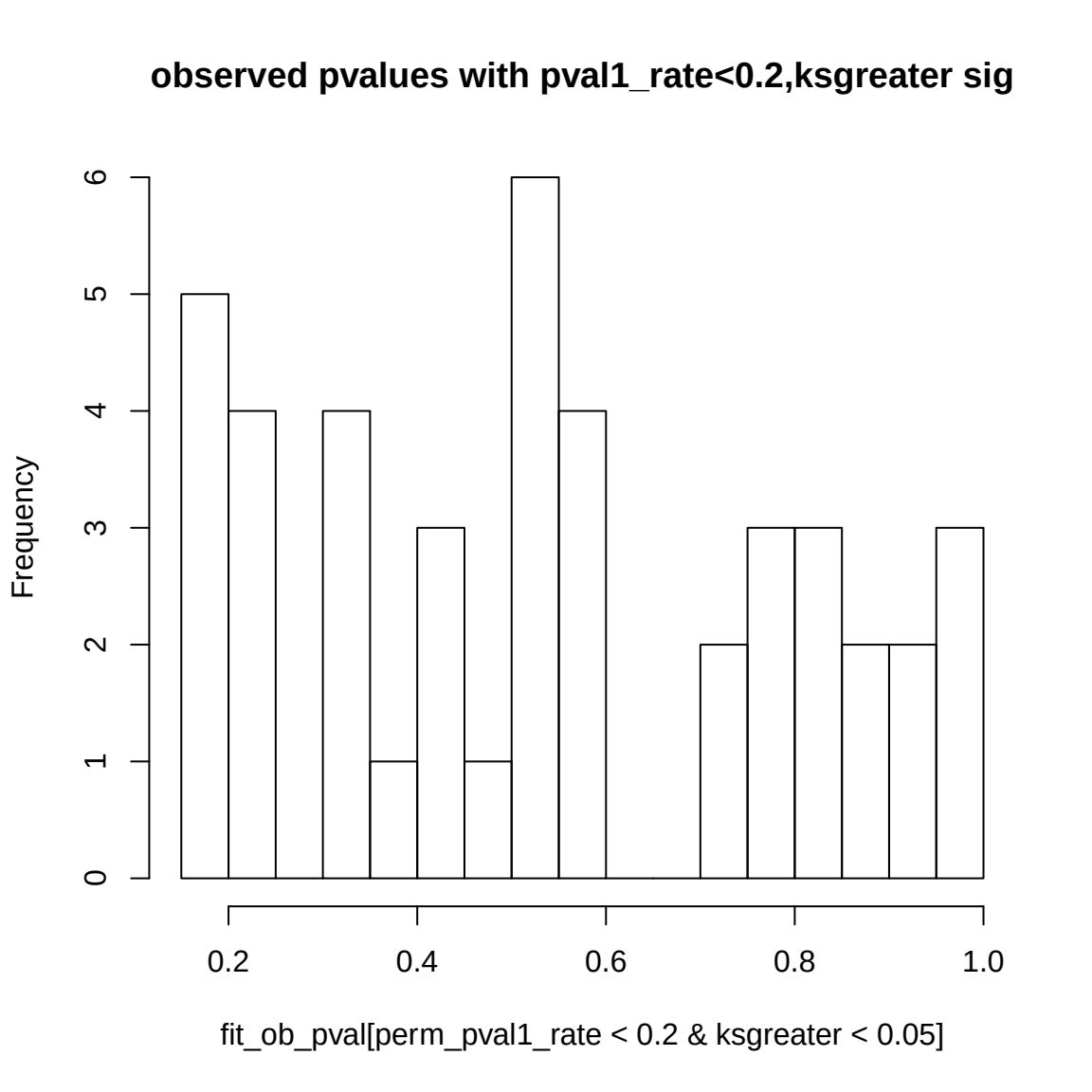

log expression of gene#951, pval ob=0.2607, non−zero num=2
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 14, diag#: 2

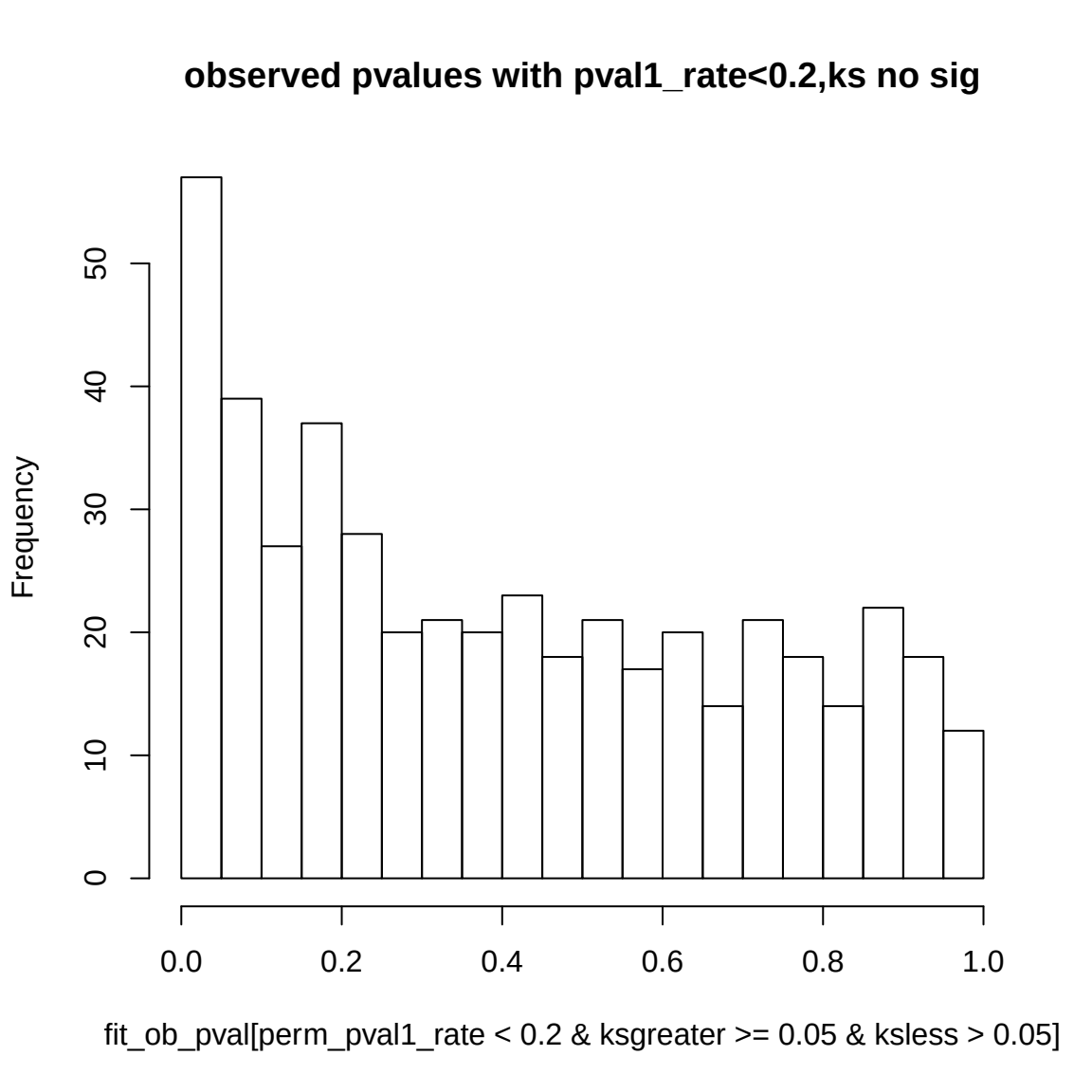

log expression of gene#1575, pval ob=0.1936, non−zero num=2
Frequency
0
1
2
3
4
5
2.5
3.0
3.5
4.0
4.5
exprM[i, non_zero_flag]
ind#: 14, diag#: 2

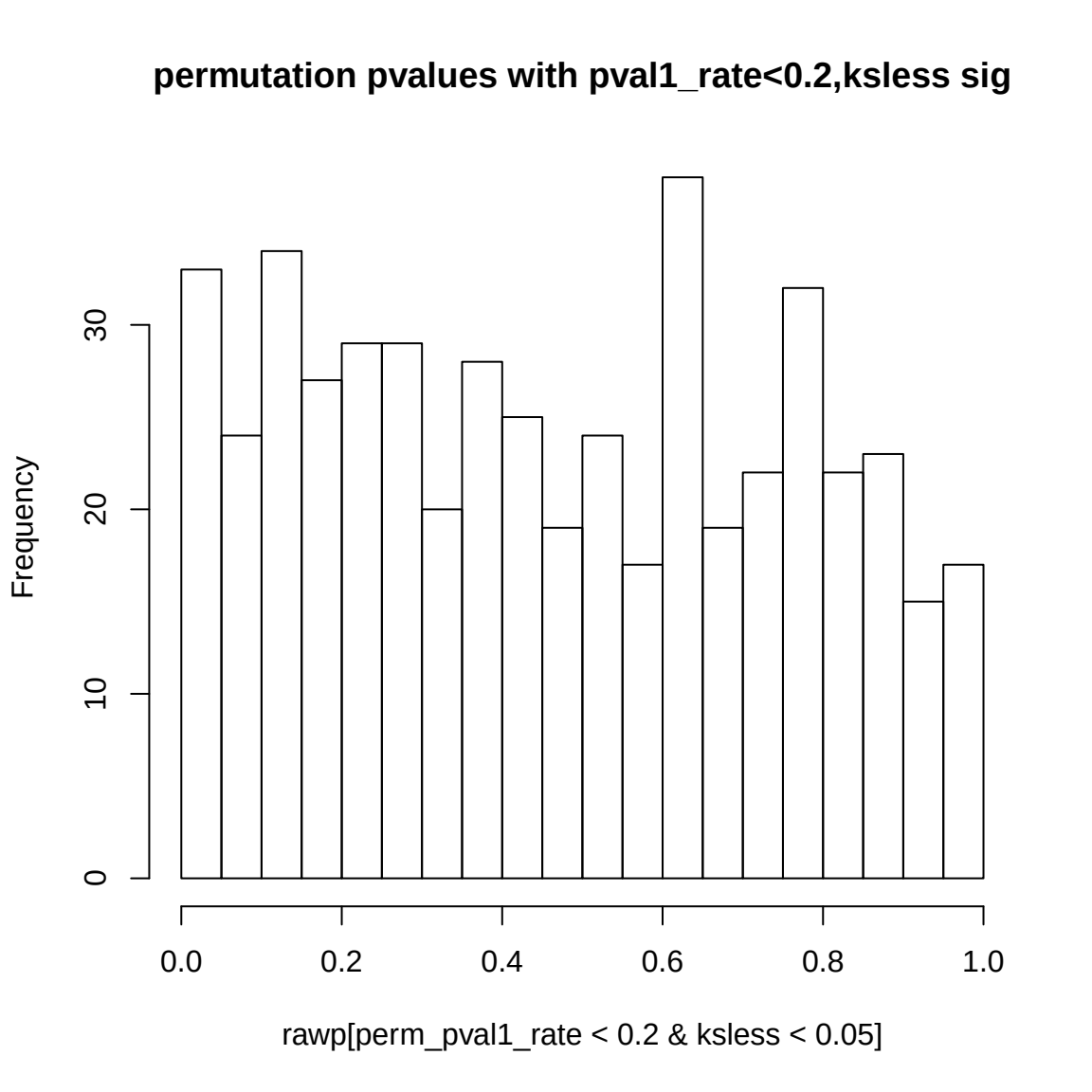

log expression of gene#1892, pval ob=2e−04, non−zero num=2
Frequency
0
1
2
3
4
1.5
2.0
2.5
3.0
3.5
4.0
4.5
exprM[i, non_zero_flag]
ind#: 10, diag#: 2

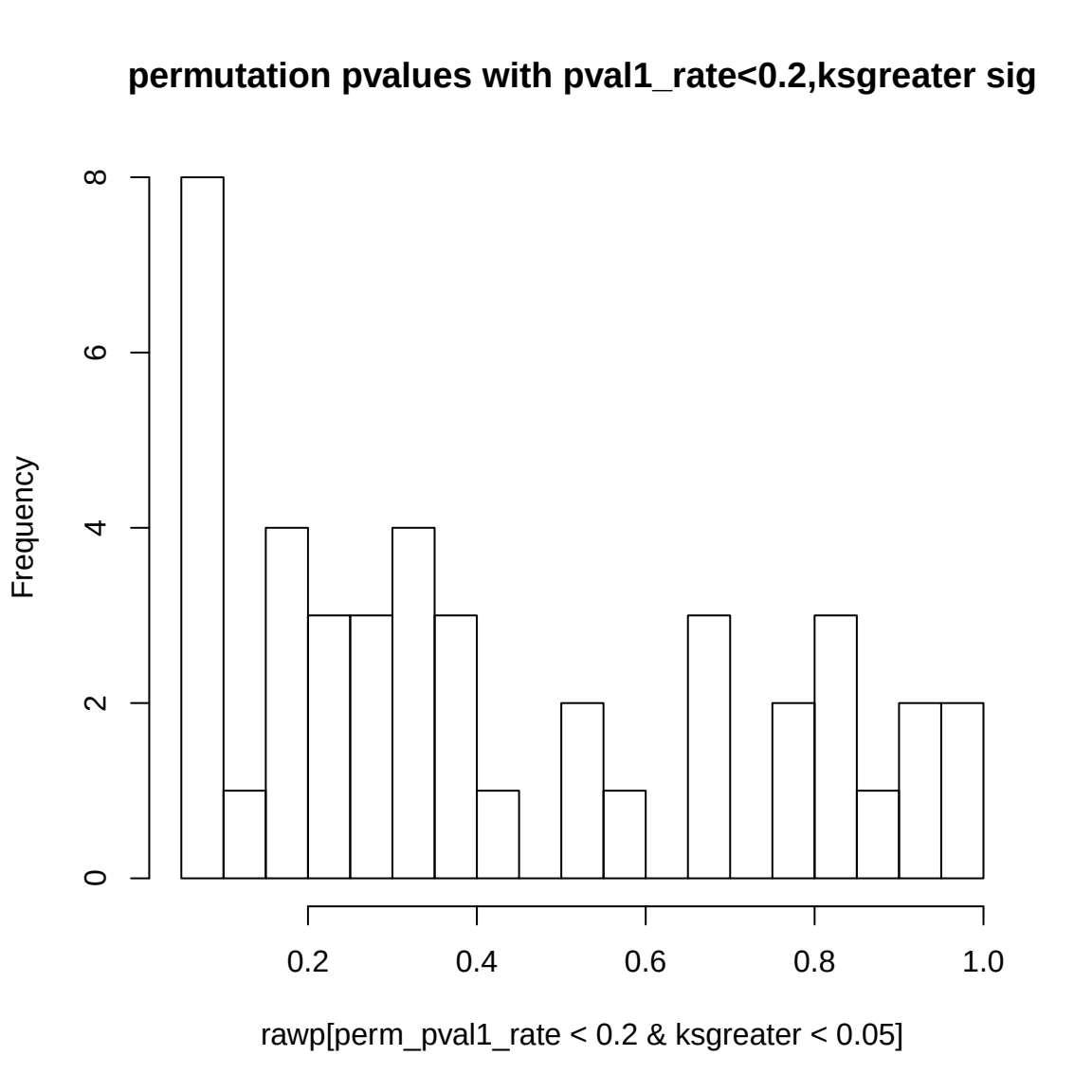

log expression of gene#193, pval ob=0.091, non−zero num=77
Frequency
0
2
4
6
8
10
12
1.0
1.5
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 18, diag#: 2

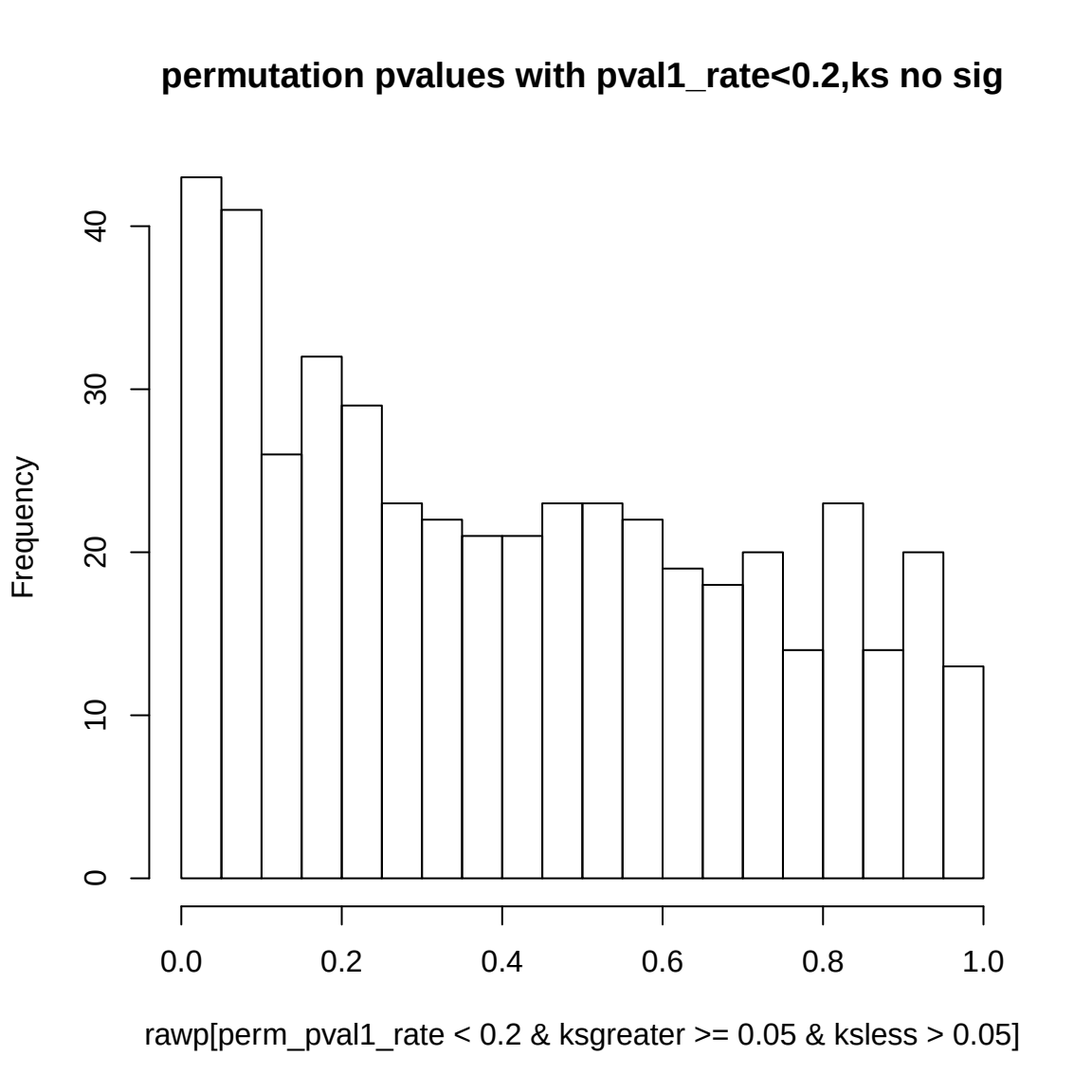

observed pvalues with pval1_rate<0.2,ksless sig
Frequency
0
20
40
60
80
100
120
140
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksless < 0.05]

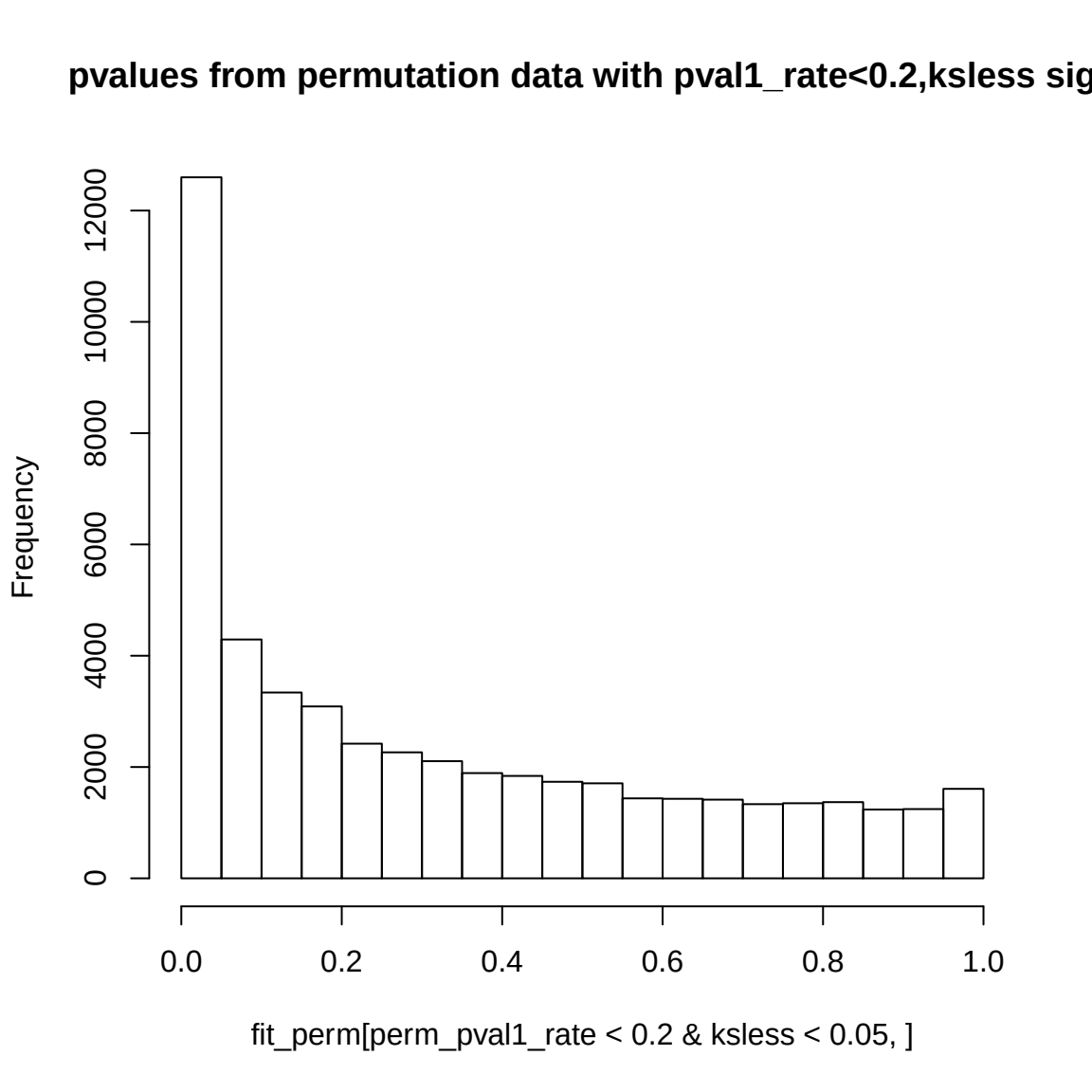

observed pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
1
2
3
4
5
6
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater < 0.05]

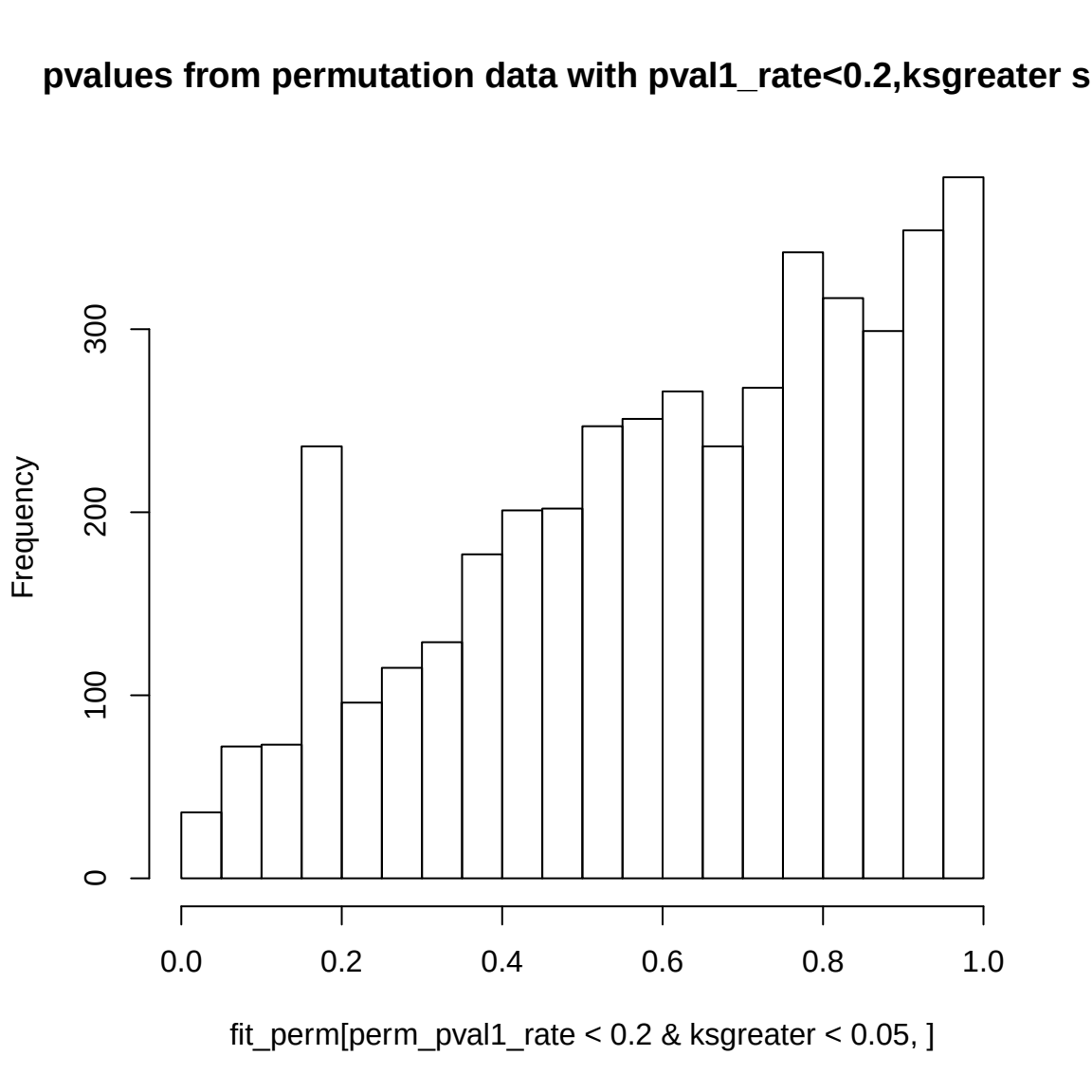

observed pvalues with pval1_rate<0.2,ks no sig
Frequency
0
10
20
30
40
50
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater >= 0.05 & ksless > 0.05]

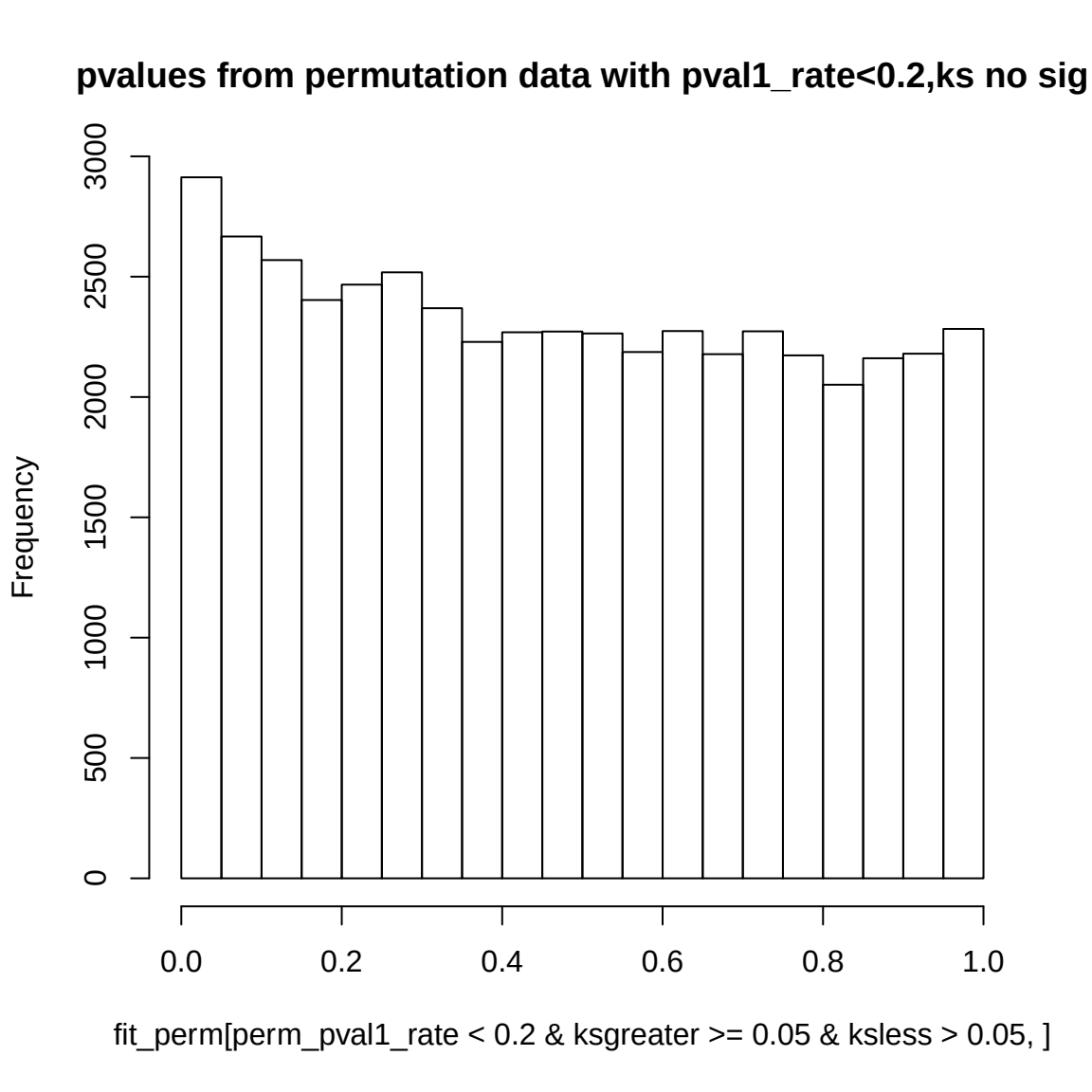

permutation pvalues with pval1_rate<0.2,ksless sig
Frequency
0
10
20
30
0.0
0.2
0.4
0.6
0.8
1.0
rawp[perm_pval1_rate < 0.2 & ksless < 0.05]


permutation pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
2
4
6
8
0.2
0.4
0.6
0.8
1.0
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
12000
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
100
200
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
500
1000
1500
2000
2500
3000
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,]