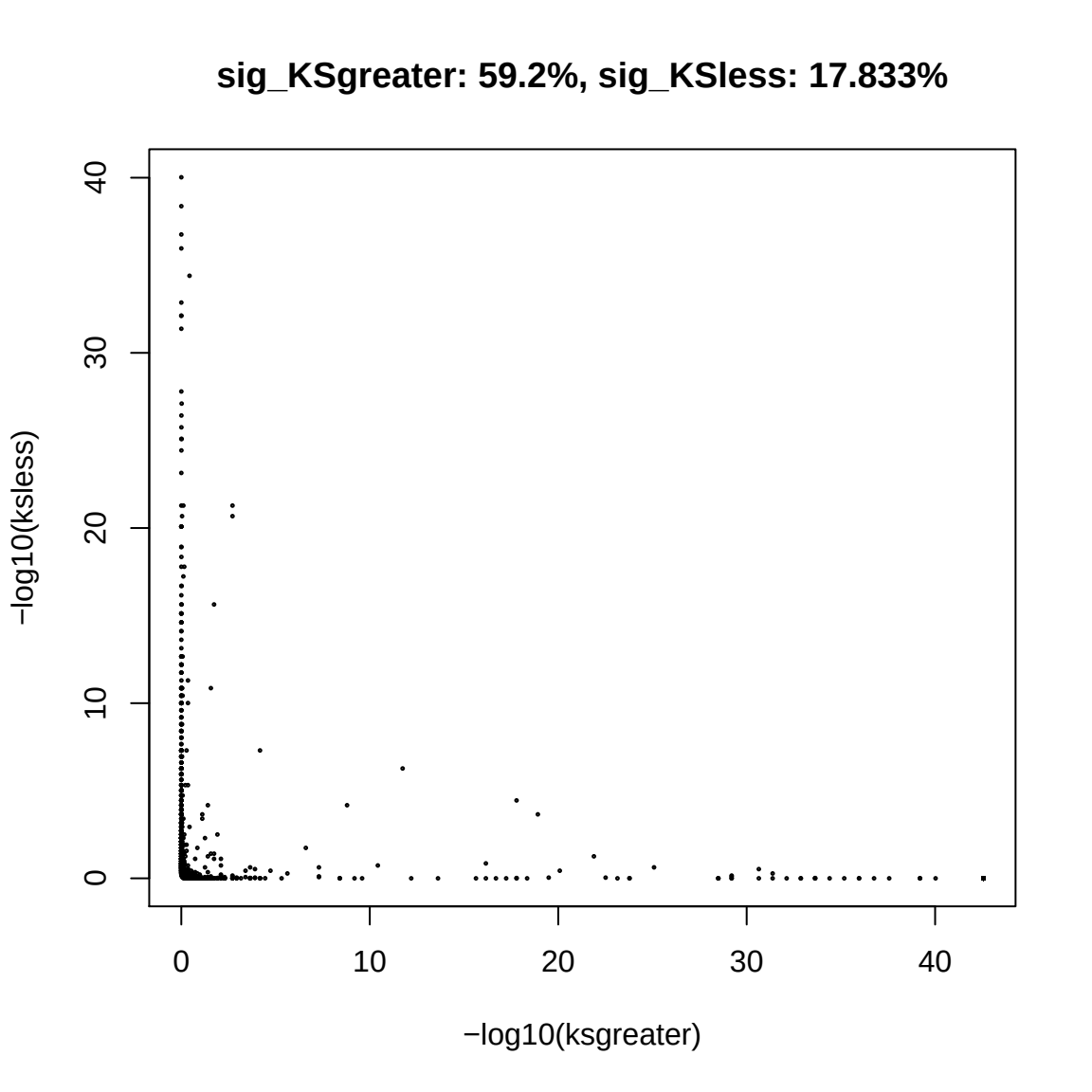
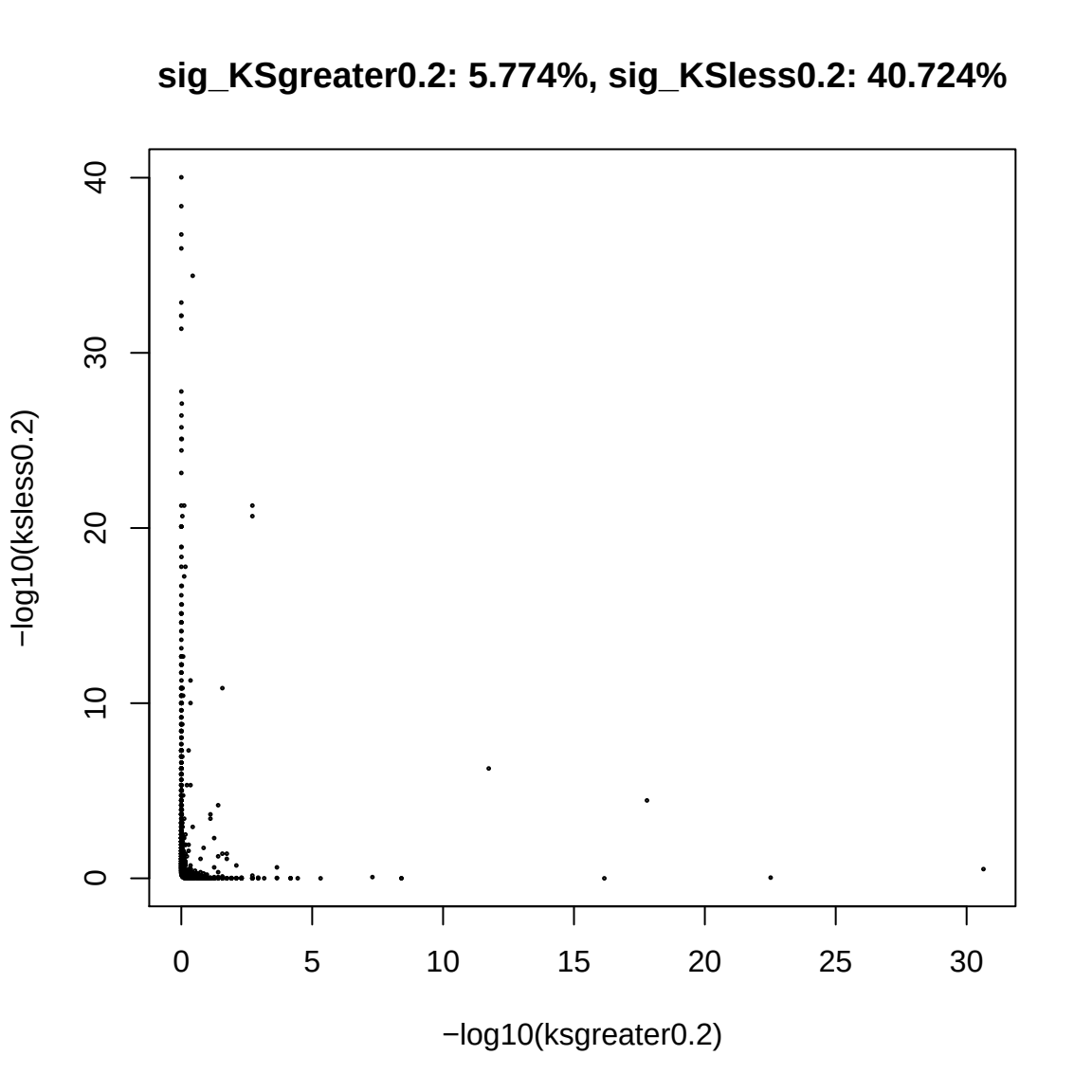
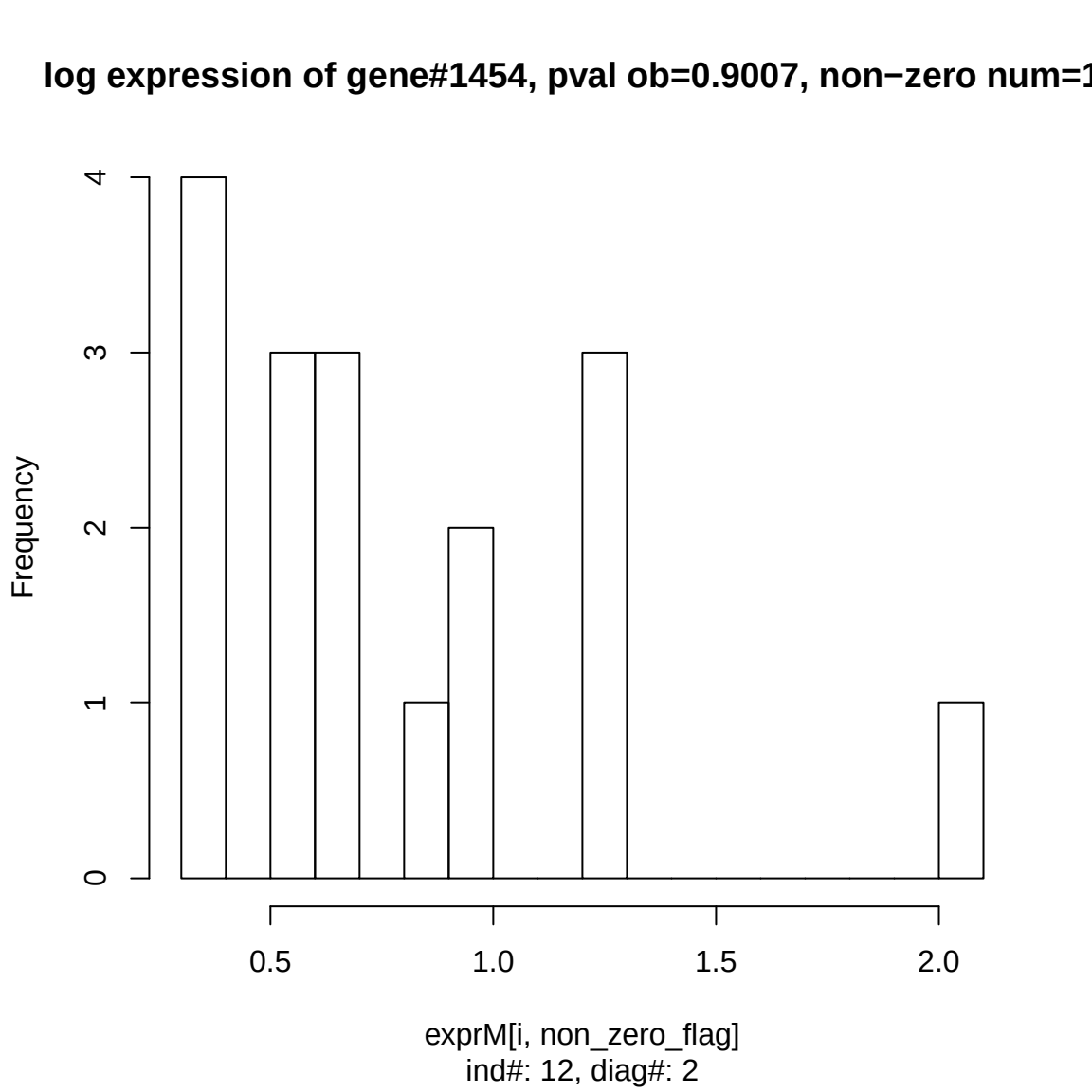
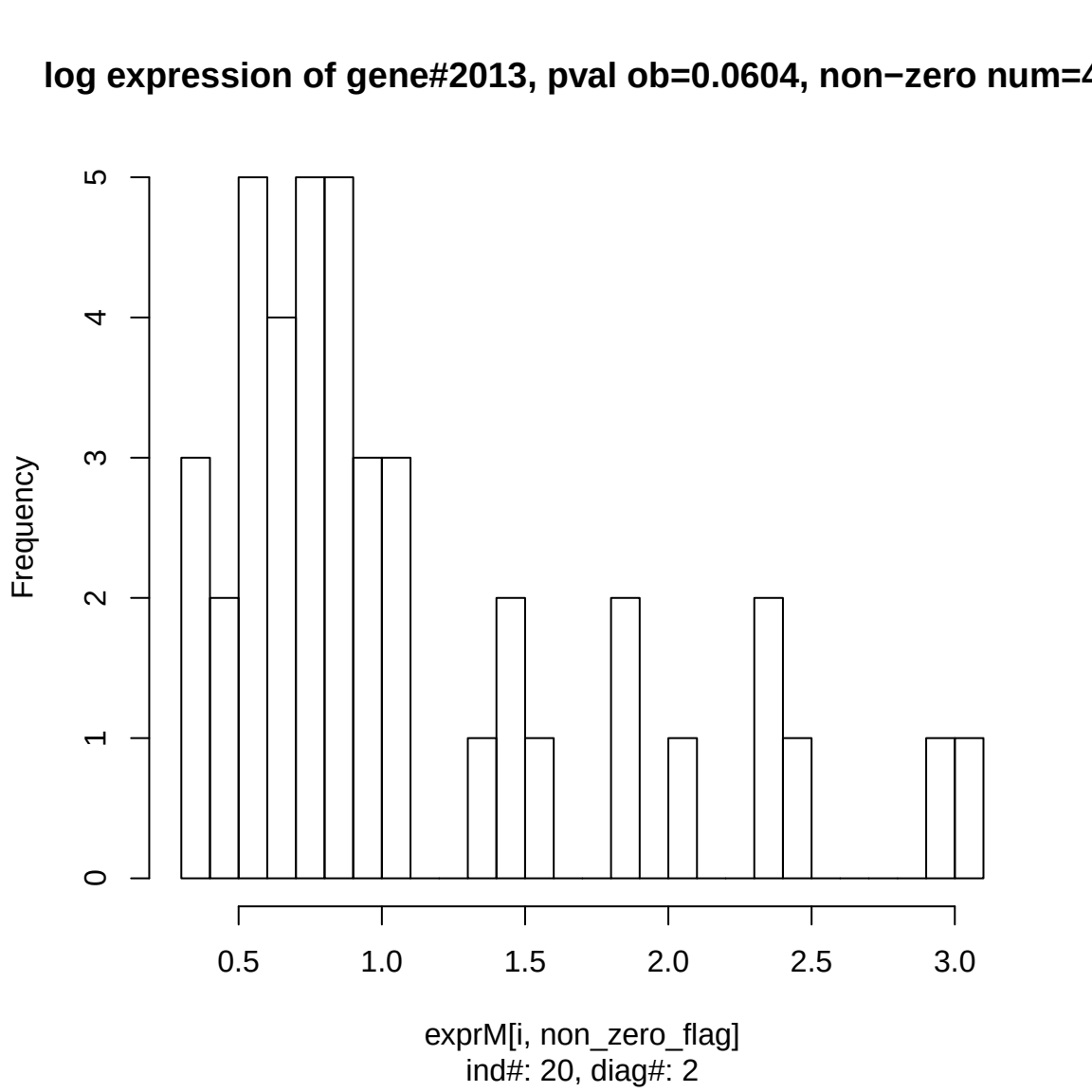
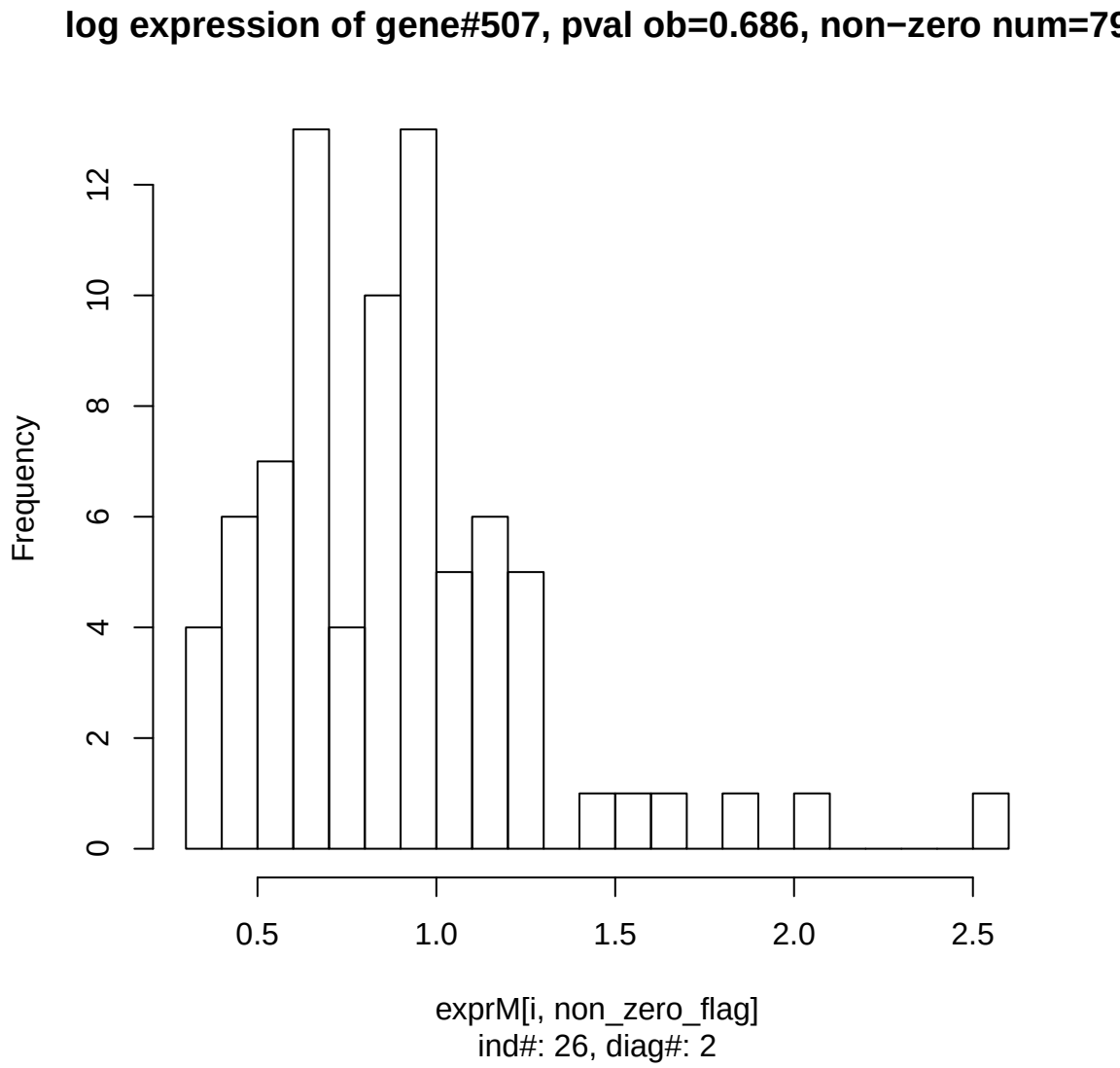
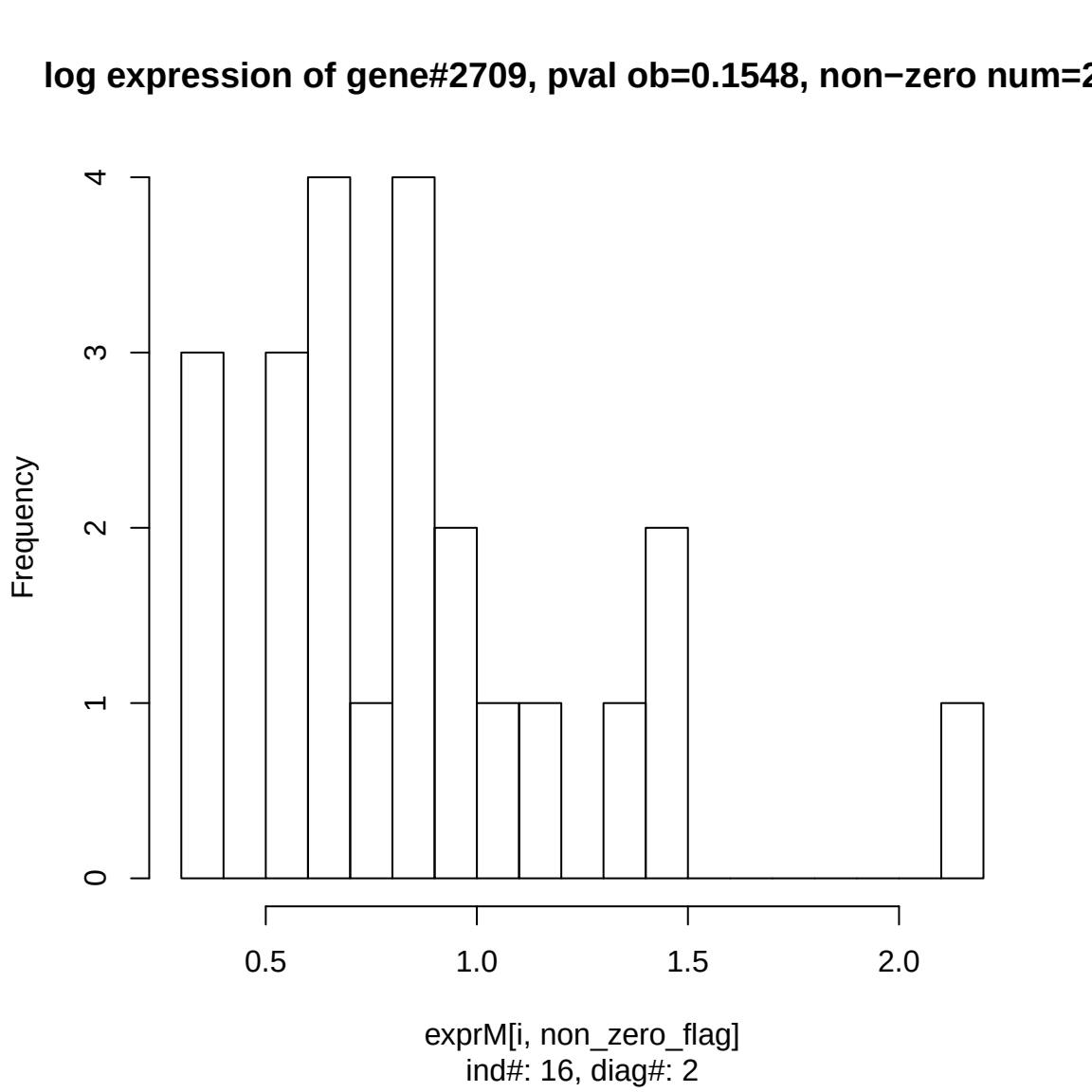

sig_KSgreater: 59.2%, sig_KSless: 17.833%
−log10(ksless)
0
10
20
30
40
0
10
20
30
40
−log10(ksgreater)

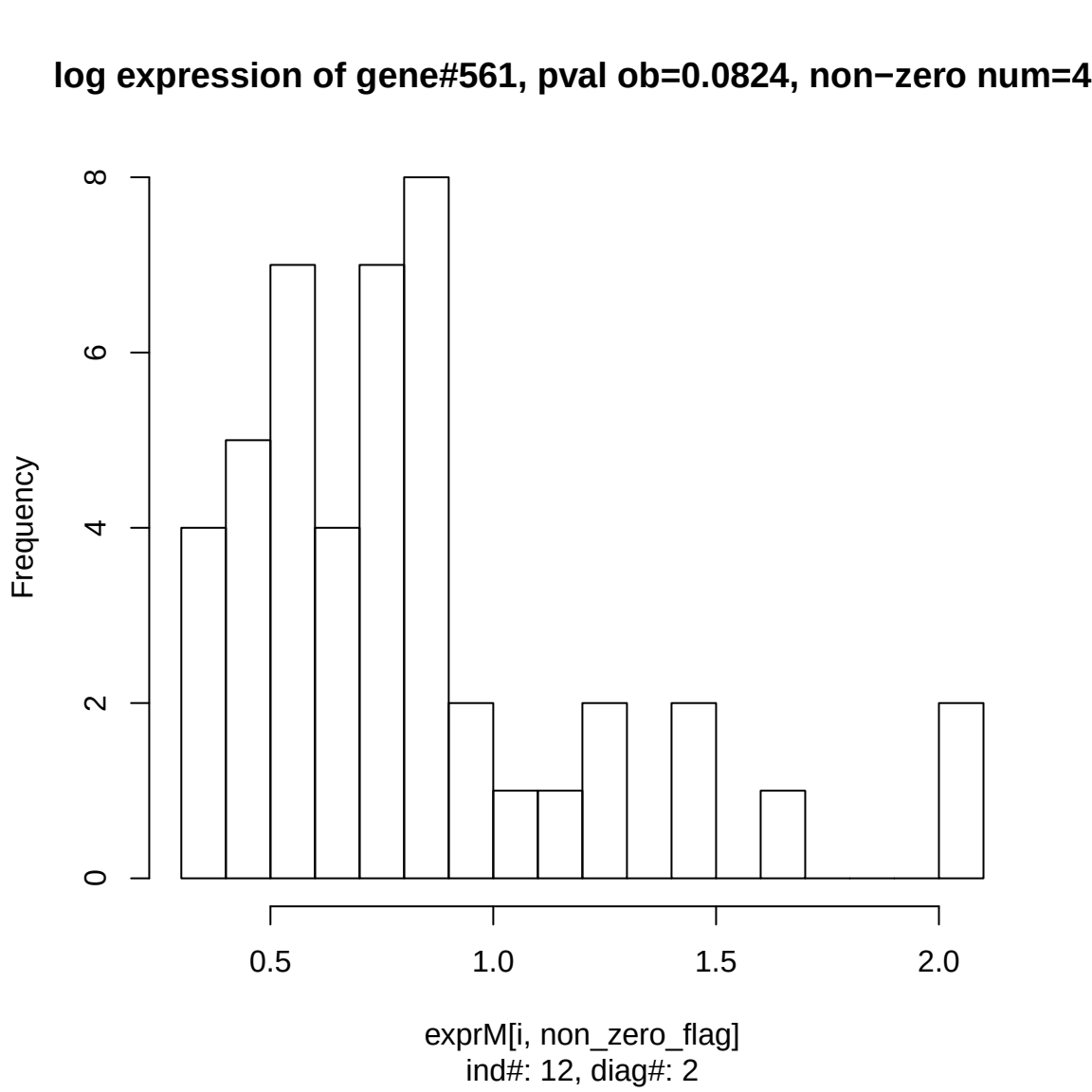

sig_KSgreater0.2: 5.774%, sig_KSless0.2: 40.724%
−log10(ksless0.2)
0
10
20
30
40
0
5
10
15
20
25
30
−log10(ksgreater0.2)

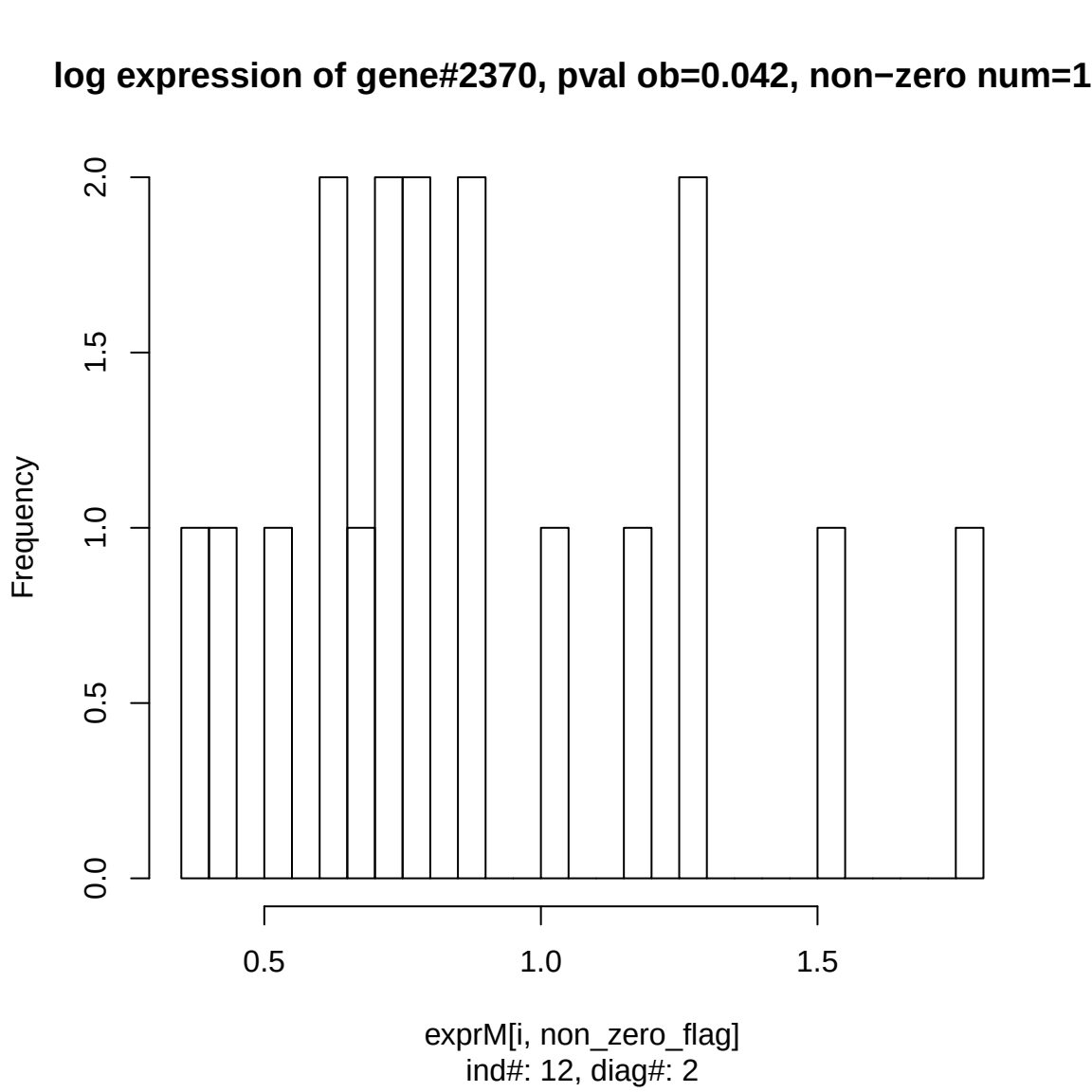

log expression of gene#1454, pval ob=0.9007, non−zero num=1
Frequency
0
1
2
3
4
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 12, diag#: 2

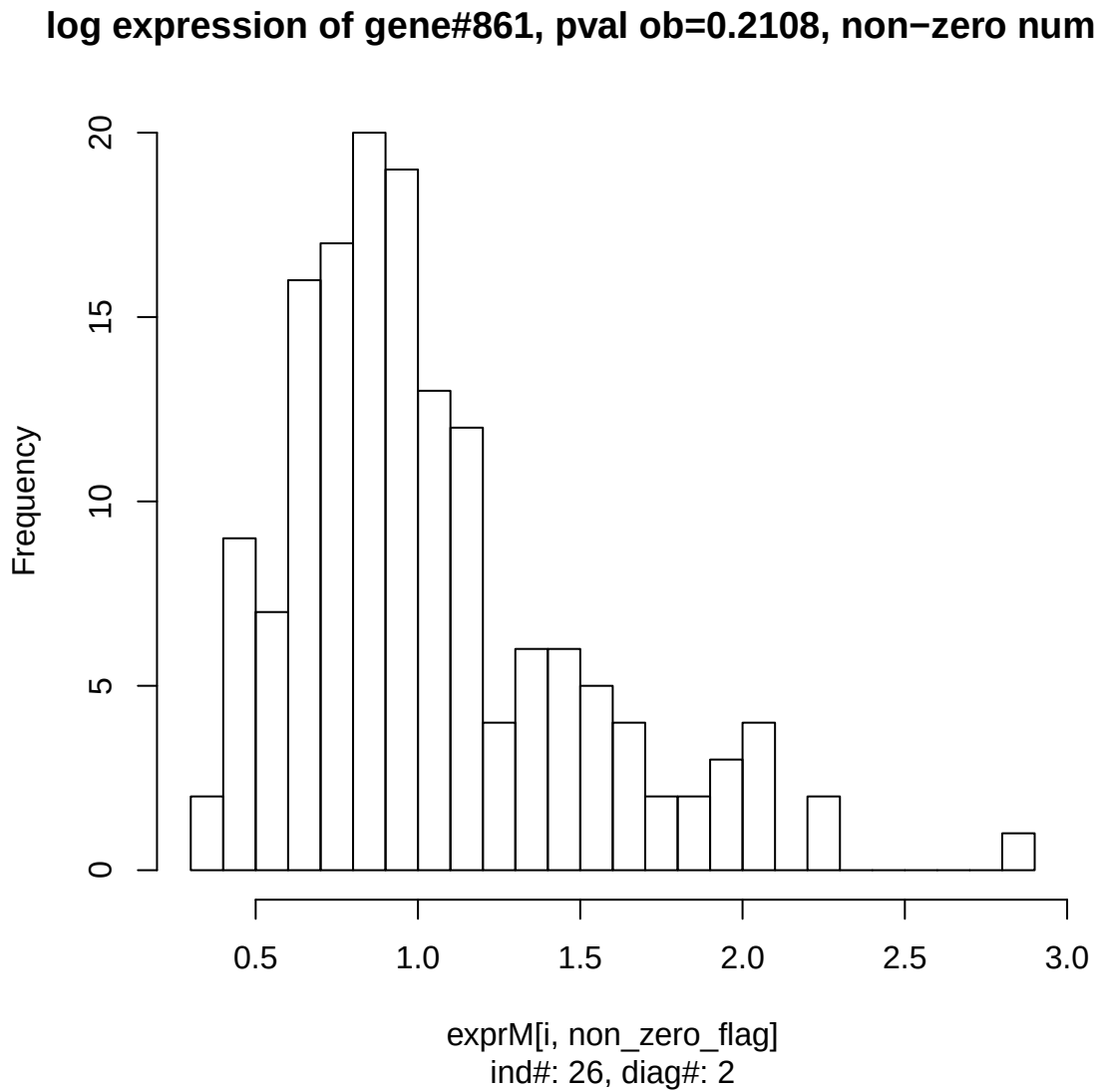

log expression of gene#2013, pval ob=0.0604, non−zero num=4
Frequency
0
1
2
3
4
5
0.5
1.0
1.5
2.0
2.5
3.0
exprM[i, non_zero_flag]
ind#: 20, diag#: 2

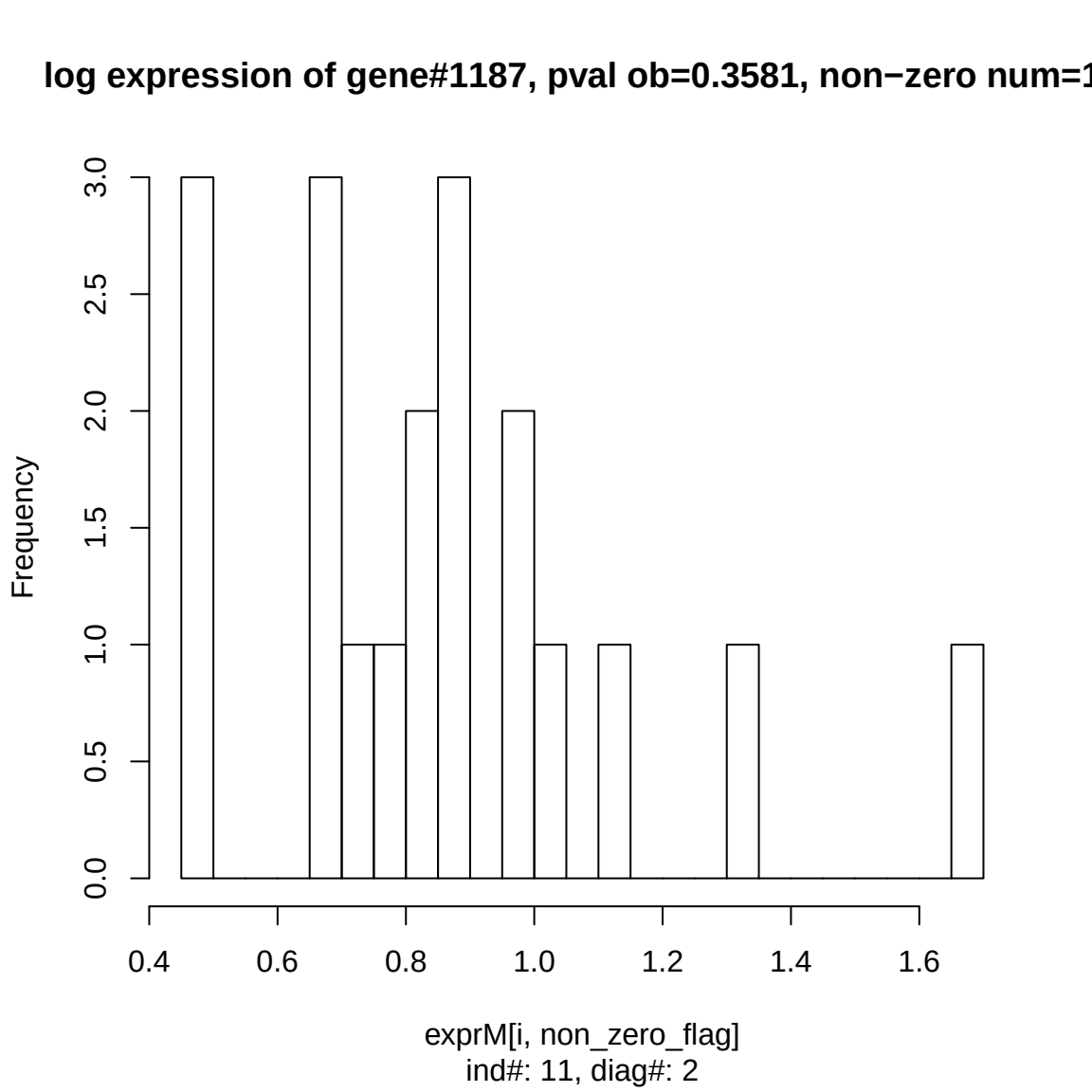

log expression of gene#507, pval ob=0.686, non−zero num=79
Frequency
0
2
4
6
8
10
12
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 26, diag#: 2

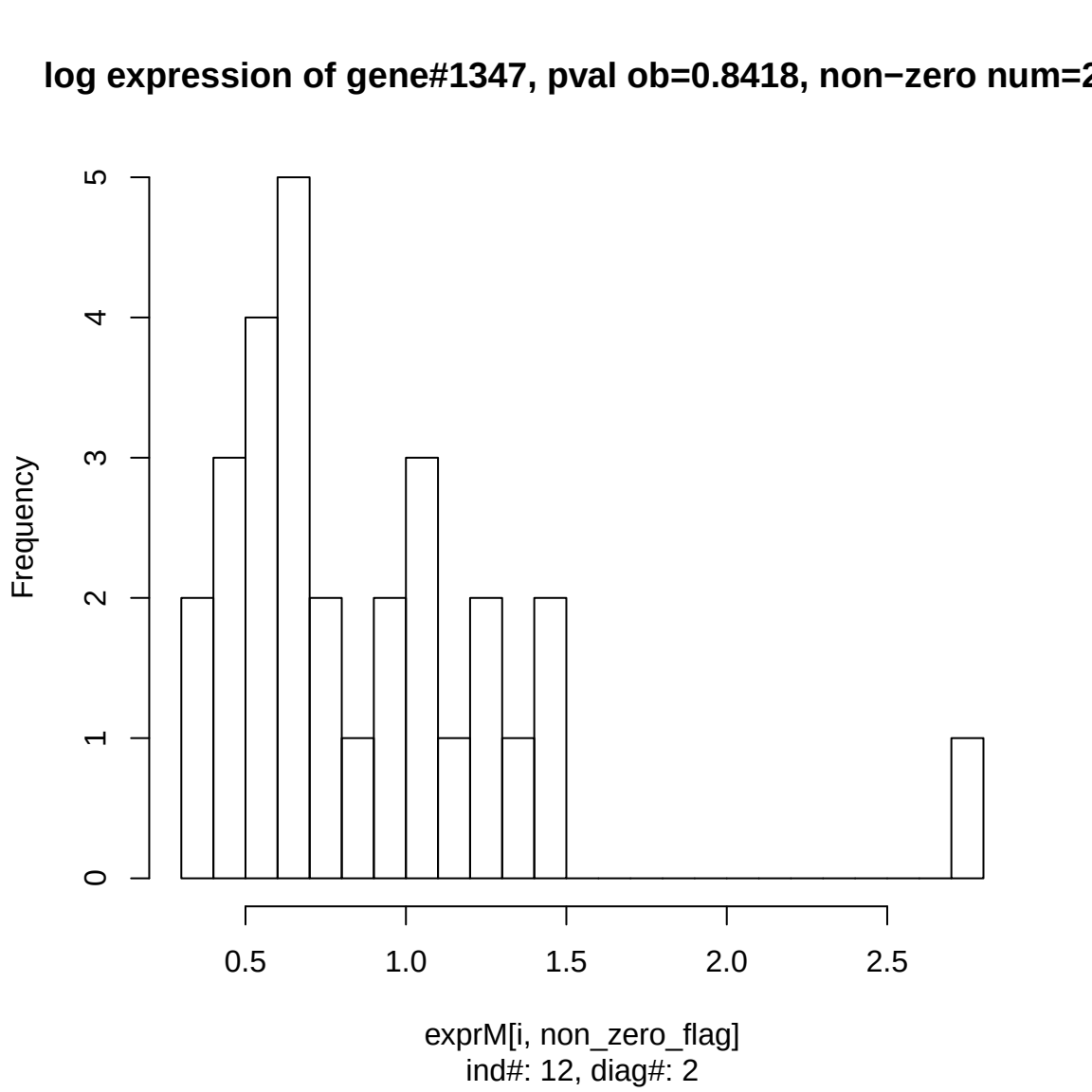

log expression of gene#2709, pval ob=0.1548, non−zero num=2
Frequency
0
1
2
3
4
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 16, diag#: 2

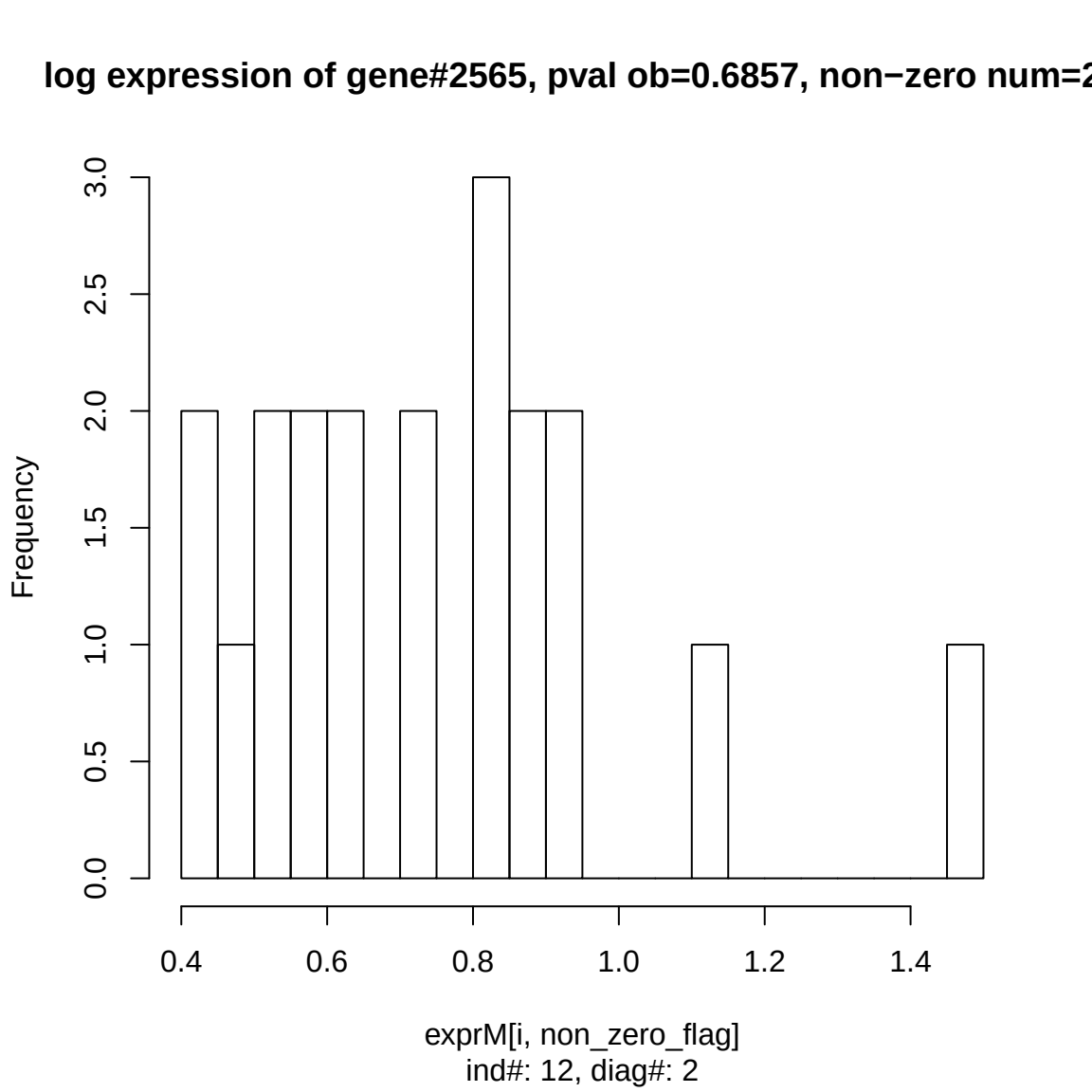

log expression of gene#561, pval ob=0.0824, non−zero num=4
Frequency
0
2
4
6
8
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 12, diag#: 2

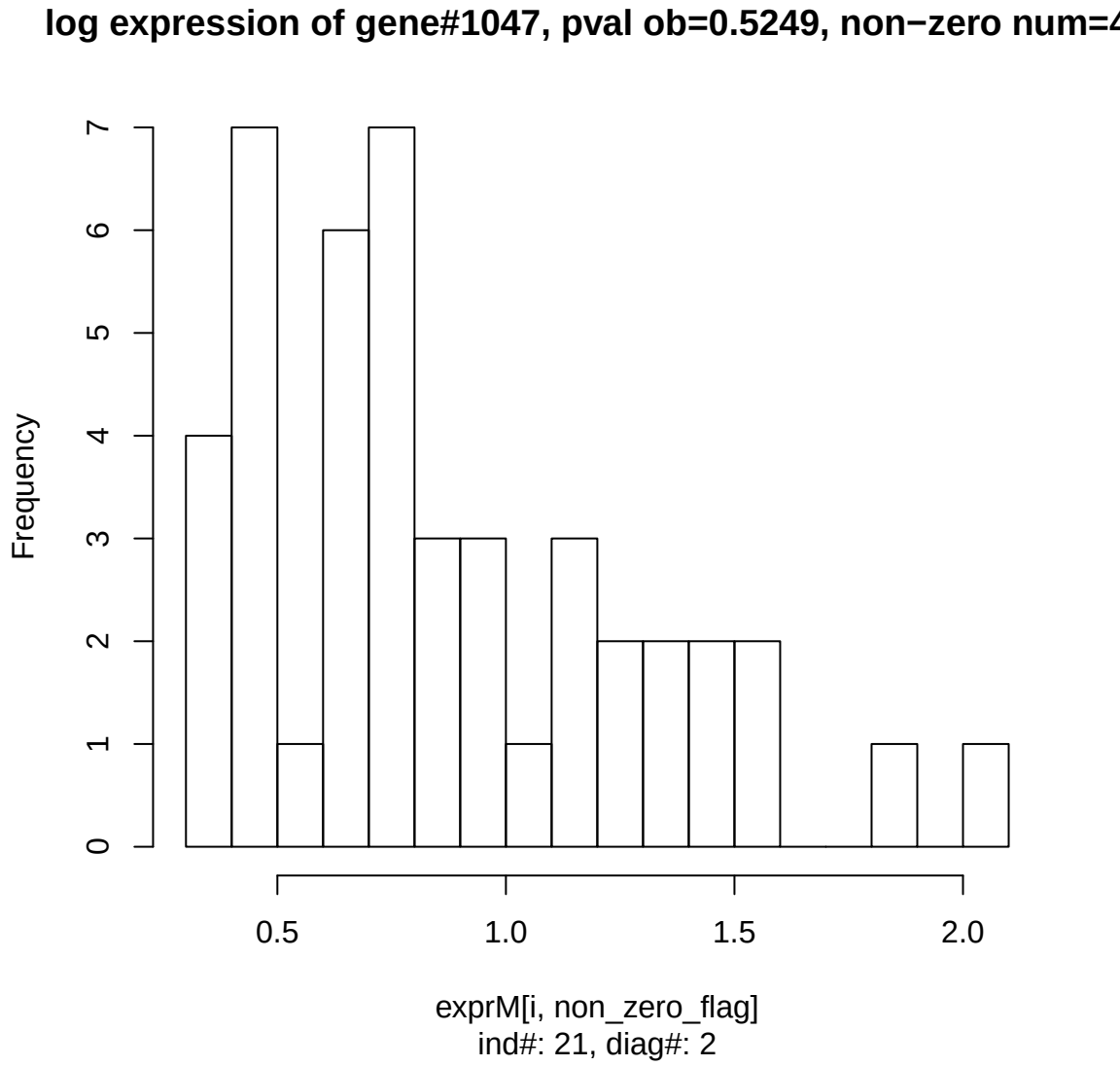

log expression of gene#2370, pval ob=0.042, non−zero num=1
Frequency
0.0
0.5
1.0
1.5
2.0
0.5
1.0
1.5
exprM[i, non_zero_flag]
ind#: 12, diag#: 2

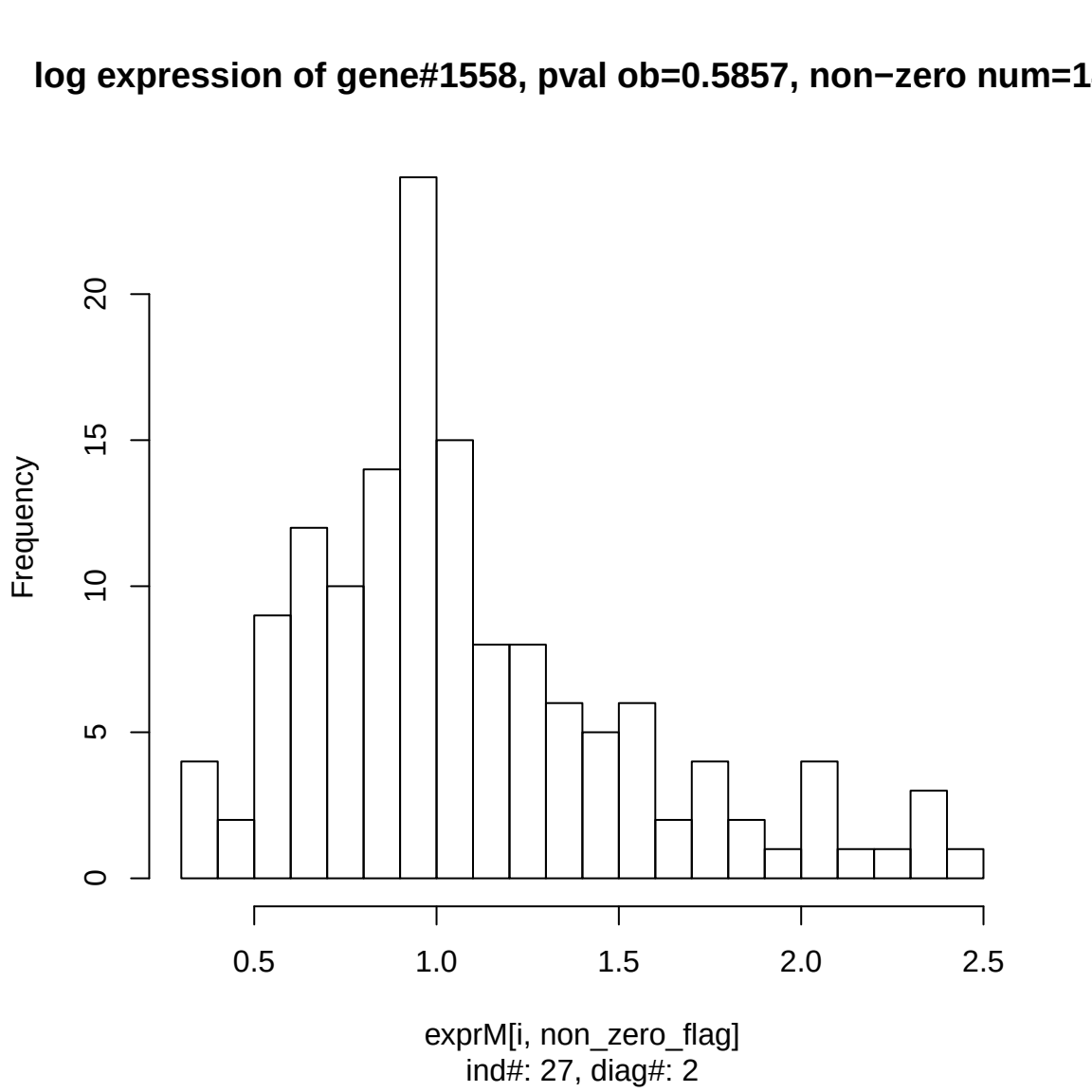

log expression of gene#861, pval ob=0.2108, non−zero num=15
Frequency
0
5
10
15
20
0.5
1.0
1.5
2.0
2.5
3.0
exprM[i, non_zero_flag]
ind#: 26, diag#: 2

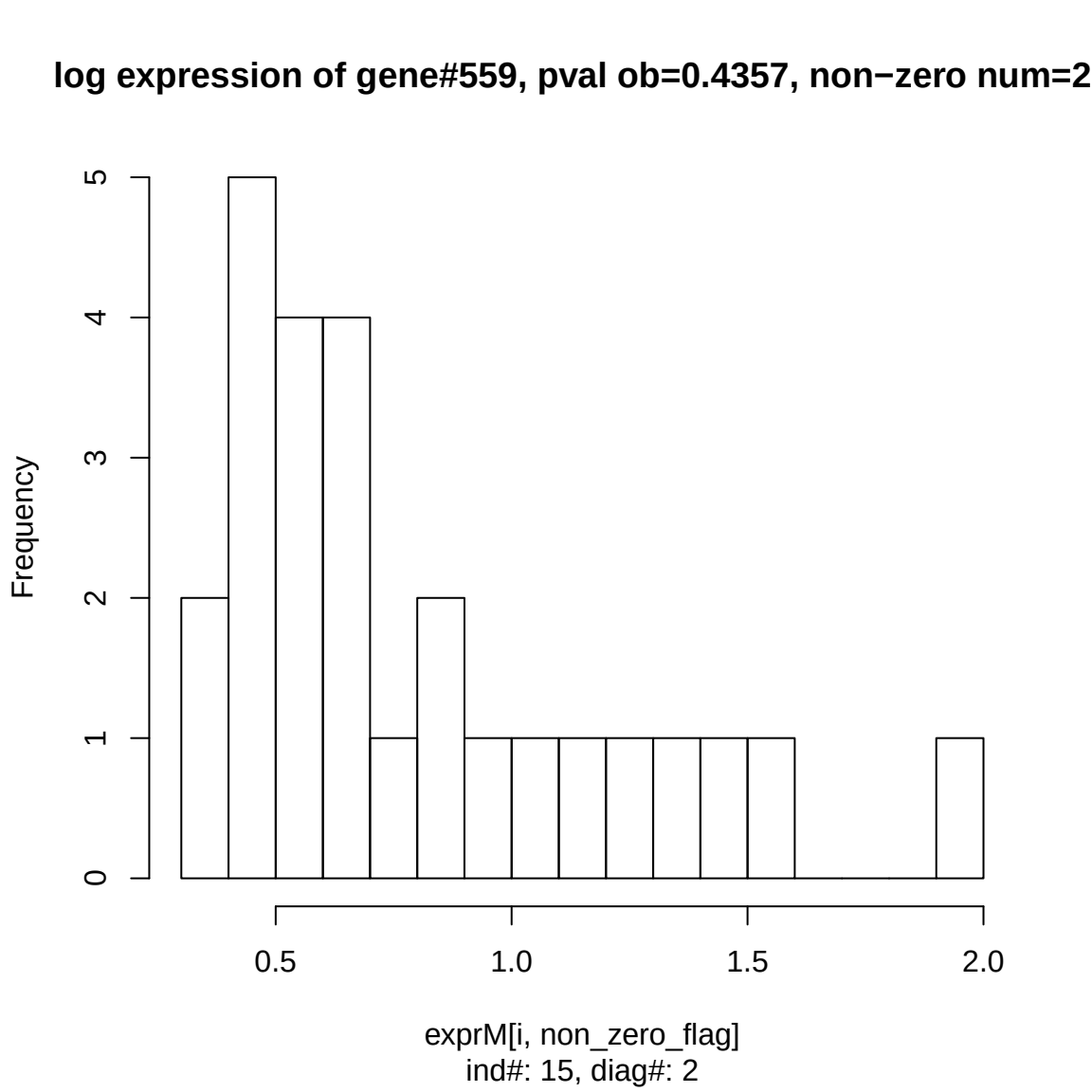

log expression of gene#1187, pval ob=0.3581, non−zero num=1
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0.4
0.6
0.8
1.0
1.2
1.4
1.6
exprM[i, non_zero_flag]
ind#: 11, diag#: 2

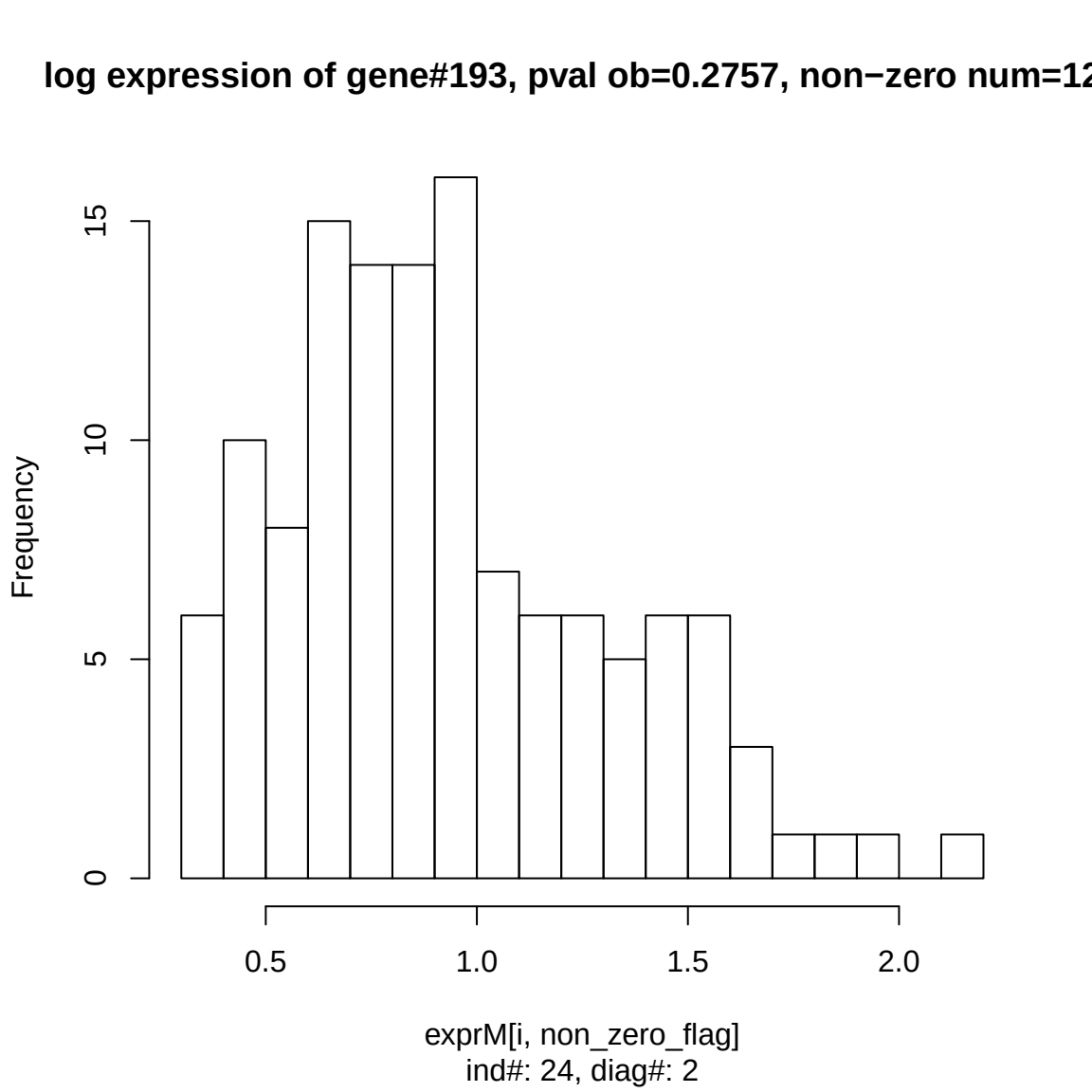

log expression of gene#1347, pval ob=0.8418, non−zero num=2
Frequency
0
1
2
3
4
5
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 12, diag#: 2

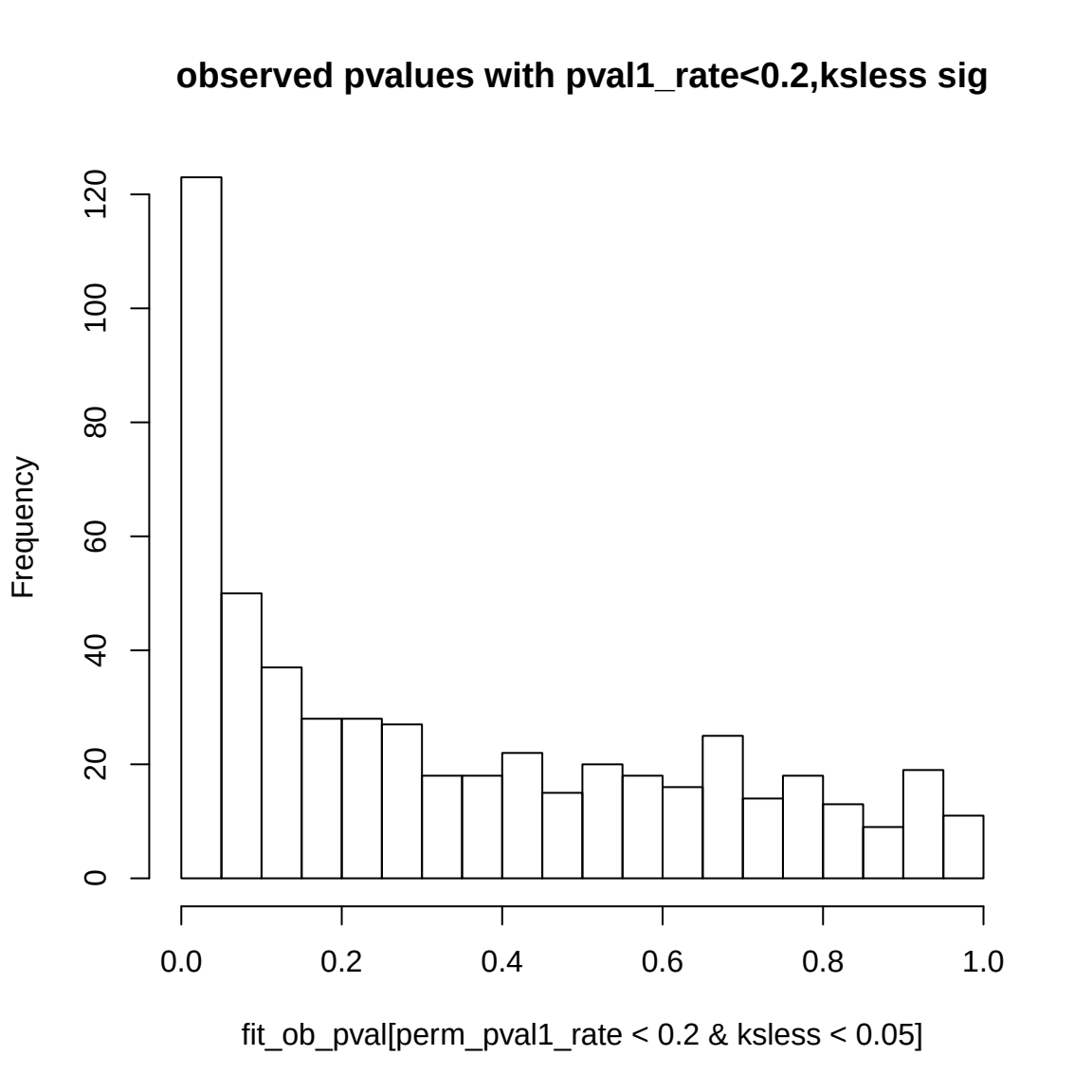

log expression of gene#2565, pval ob=0.6857, non−zero num=2
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0.4
0.6
0.8
1.0
1.2
1.4
exprM[i, non_zero_flag]
ind#: 12, diag#: 2

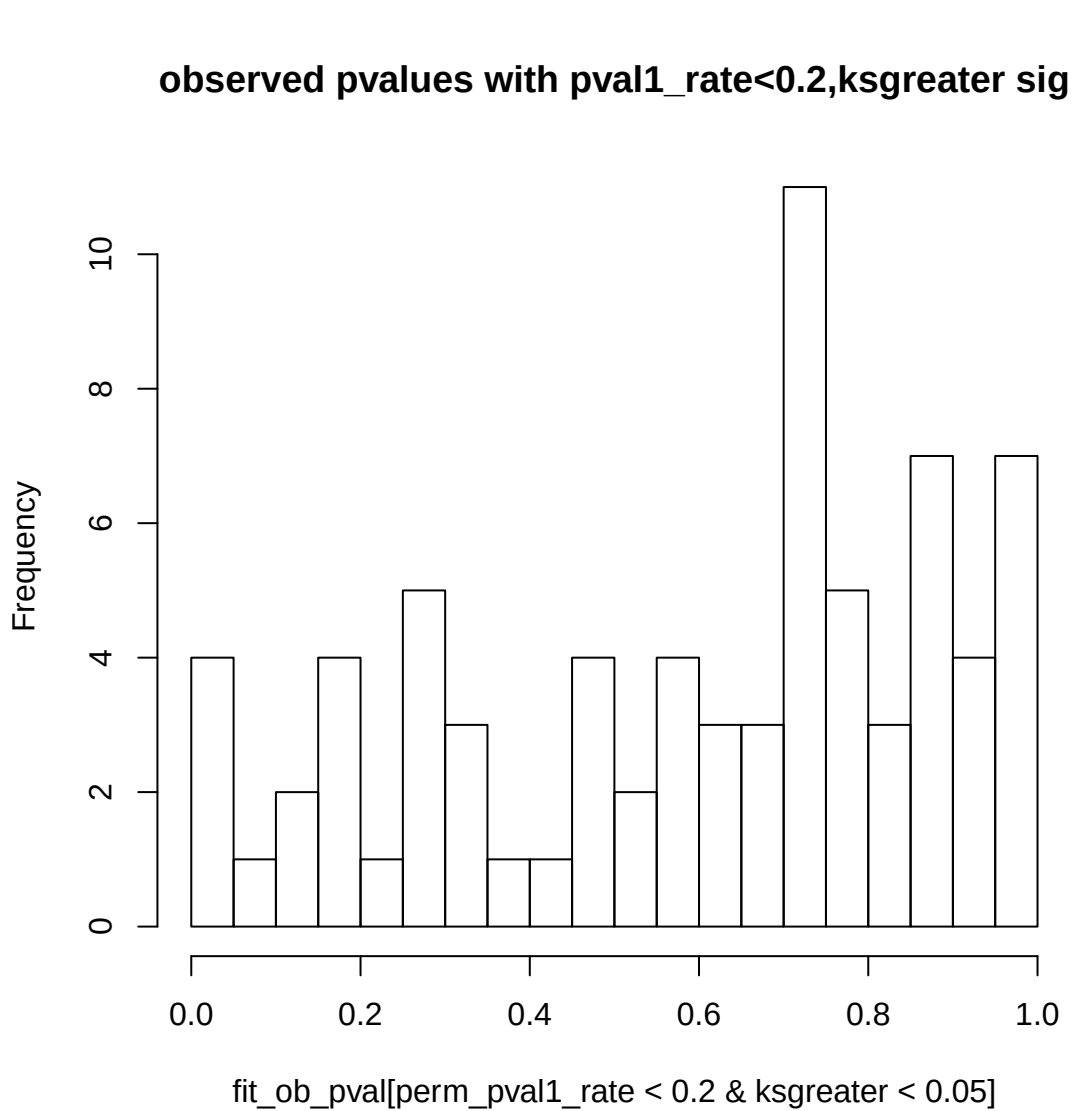

log expression of gene#1047, pval ob=0.5249, non−zero num=4
Frequency
0
1
2
3
4
5
6
7
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 21, diag#: 2

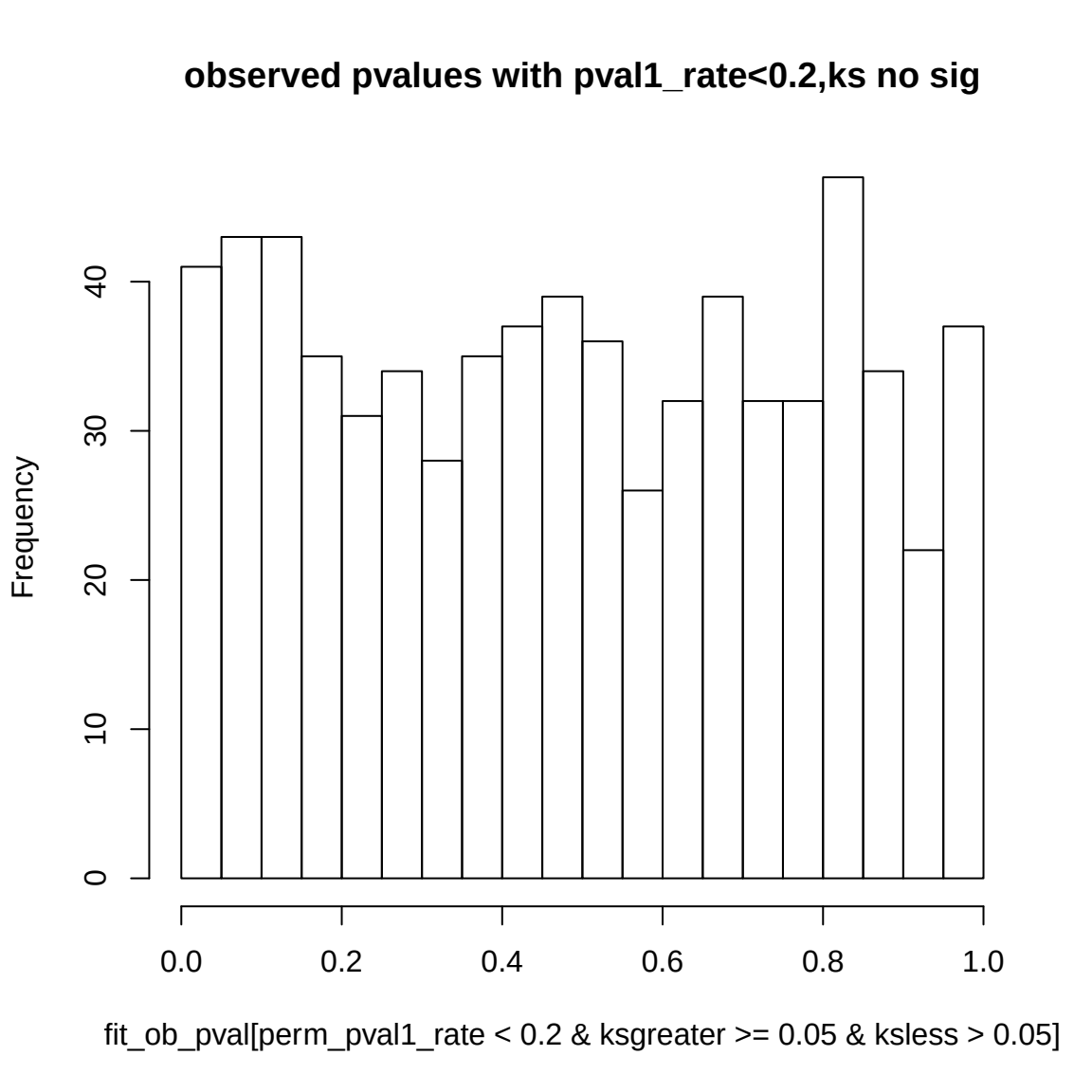

log expression of gene#1558, pval ob=0.5857, non−zero num=1
Frequency
0
5
10
15
20
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 27, diag#: 2

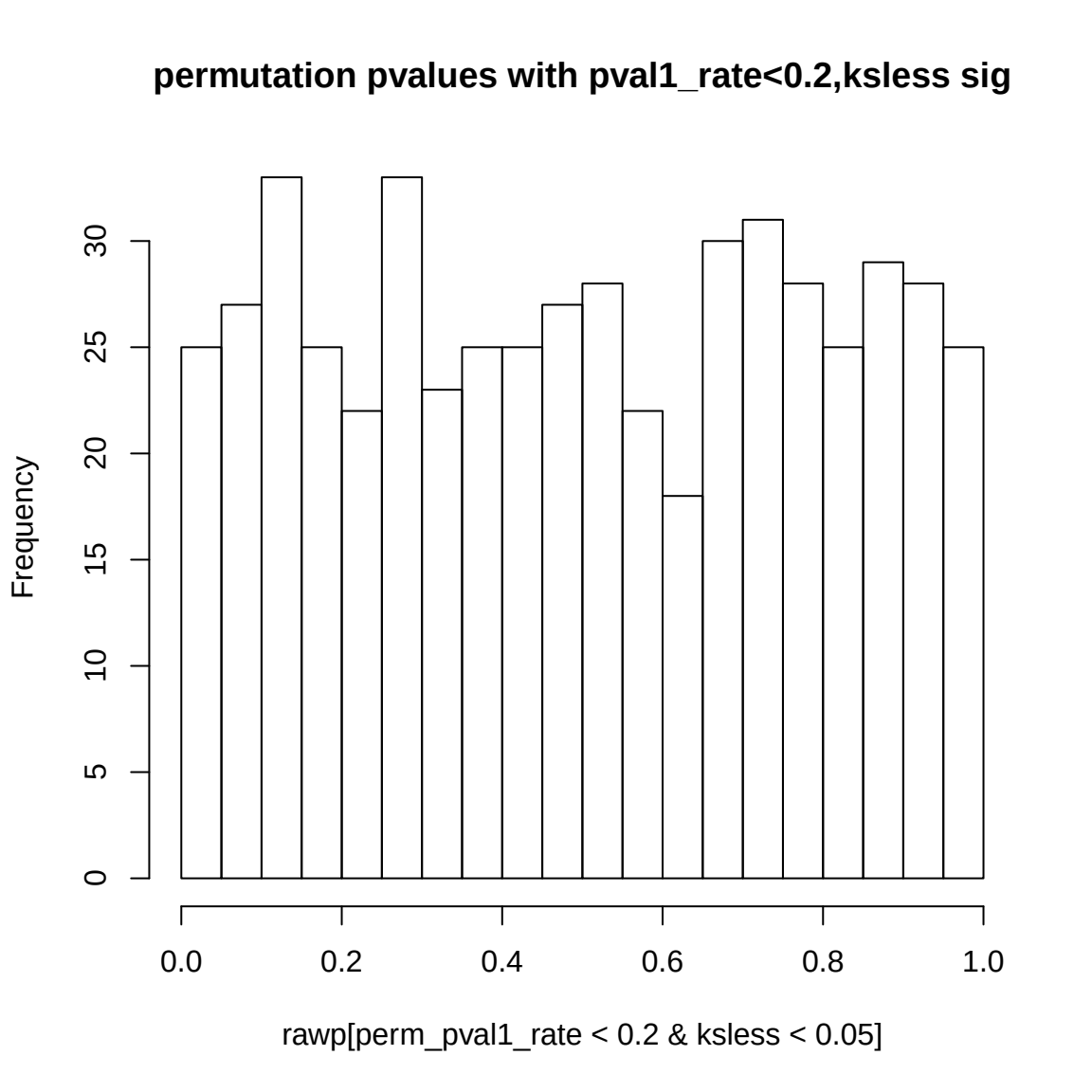

log expression of gene#559, pval ob=0.4357, non−zero num=2
Frequency
0
1
2
3
4
5
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 15, diag#: 2

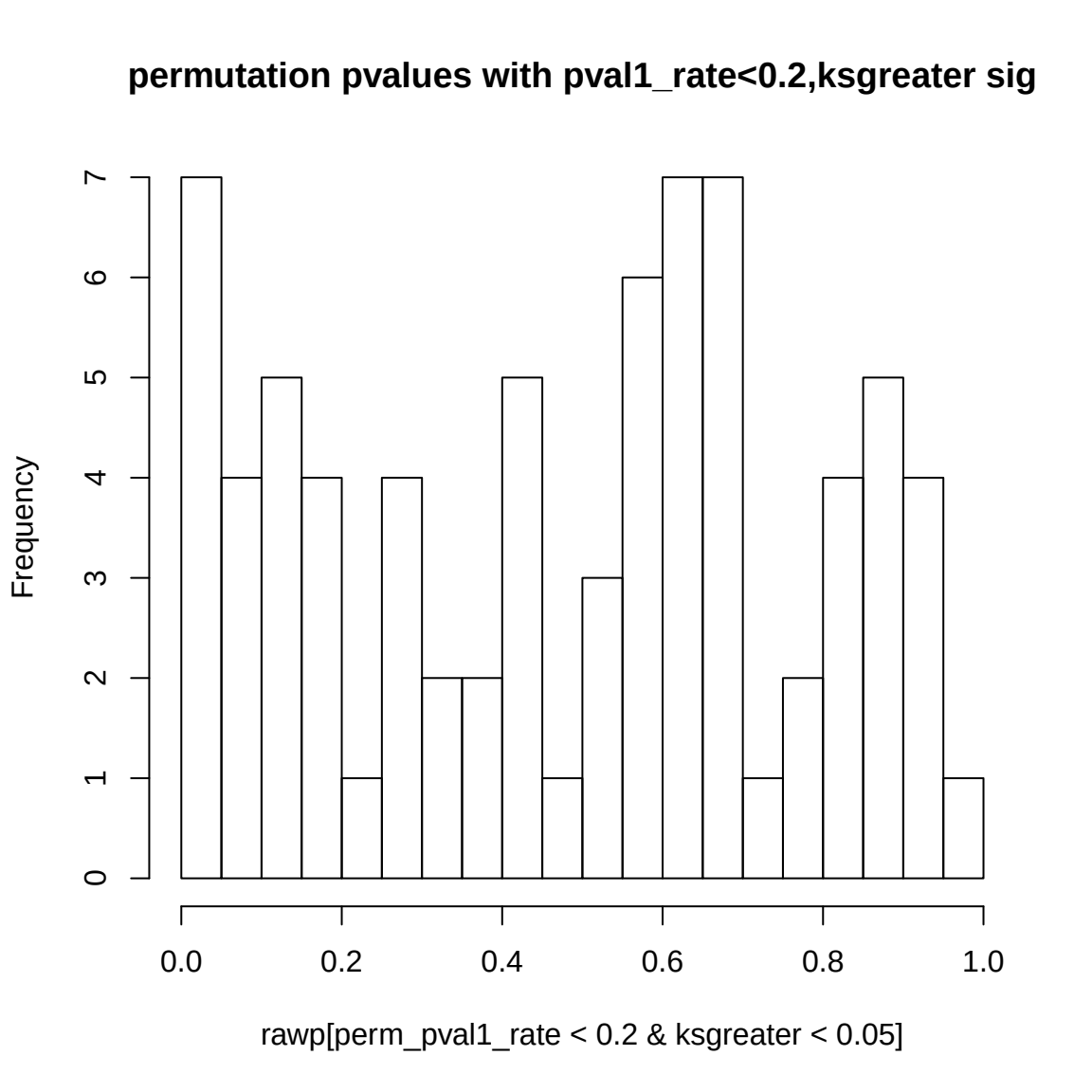

log expression of gene#193, pval ob=0.2757, non−zero num=12
Frequency
0
5
10
15
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 24, diag#: 2

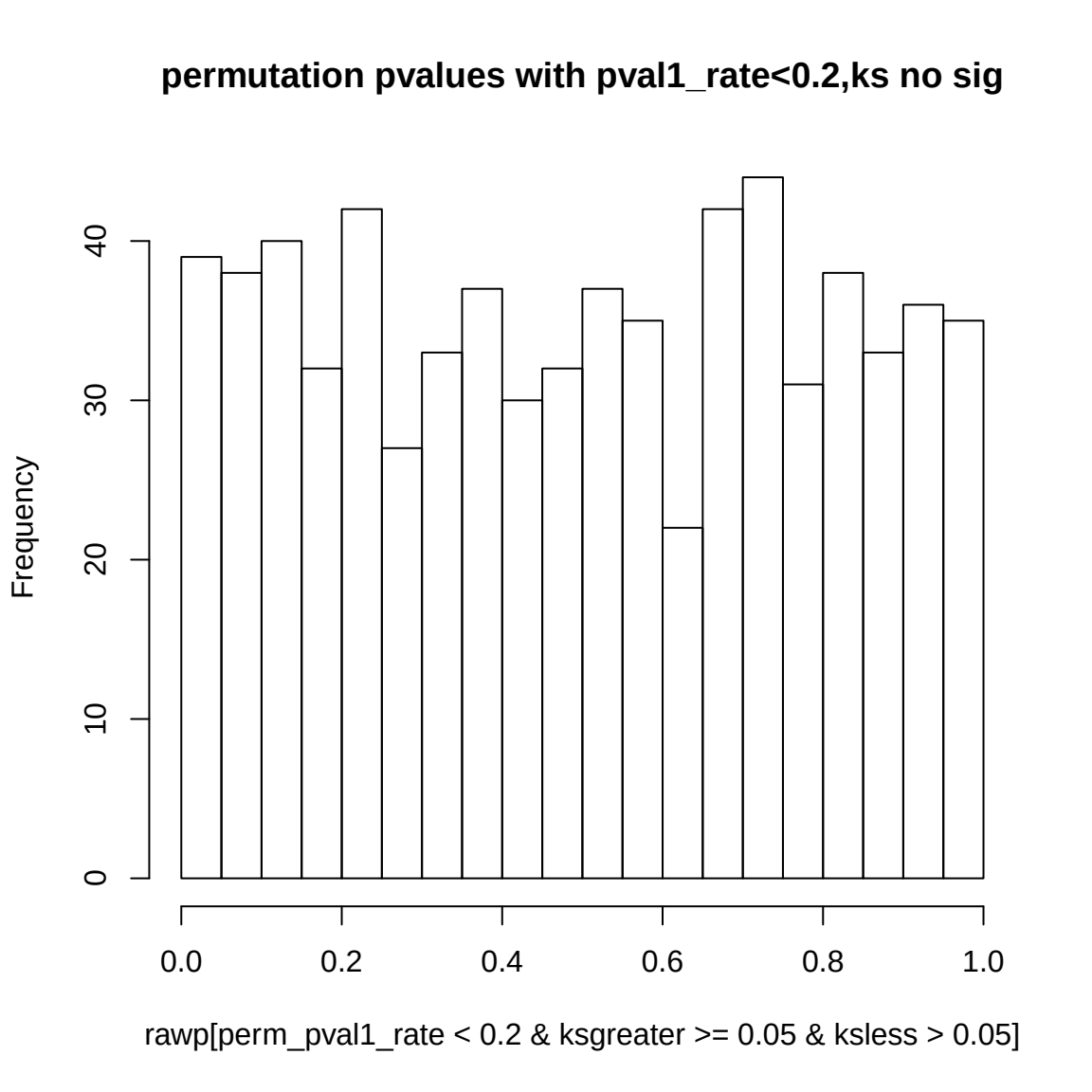

observed pvalues with pval1_rate<0.2,ksless sig
Frequency
0
20
40
60
80
100
120
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksless < 0.05]

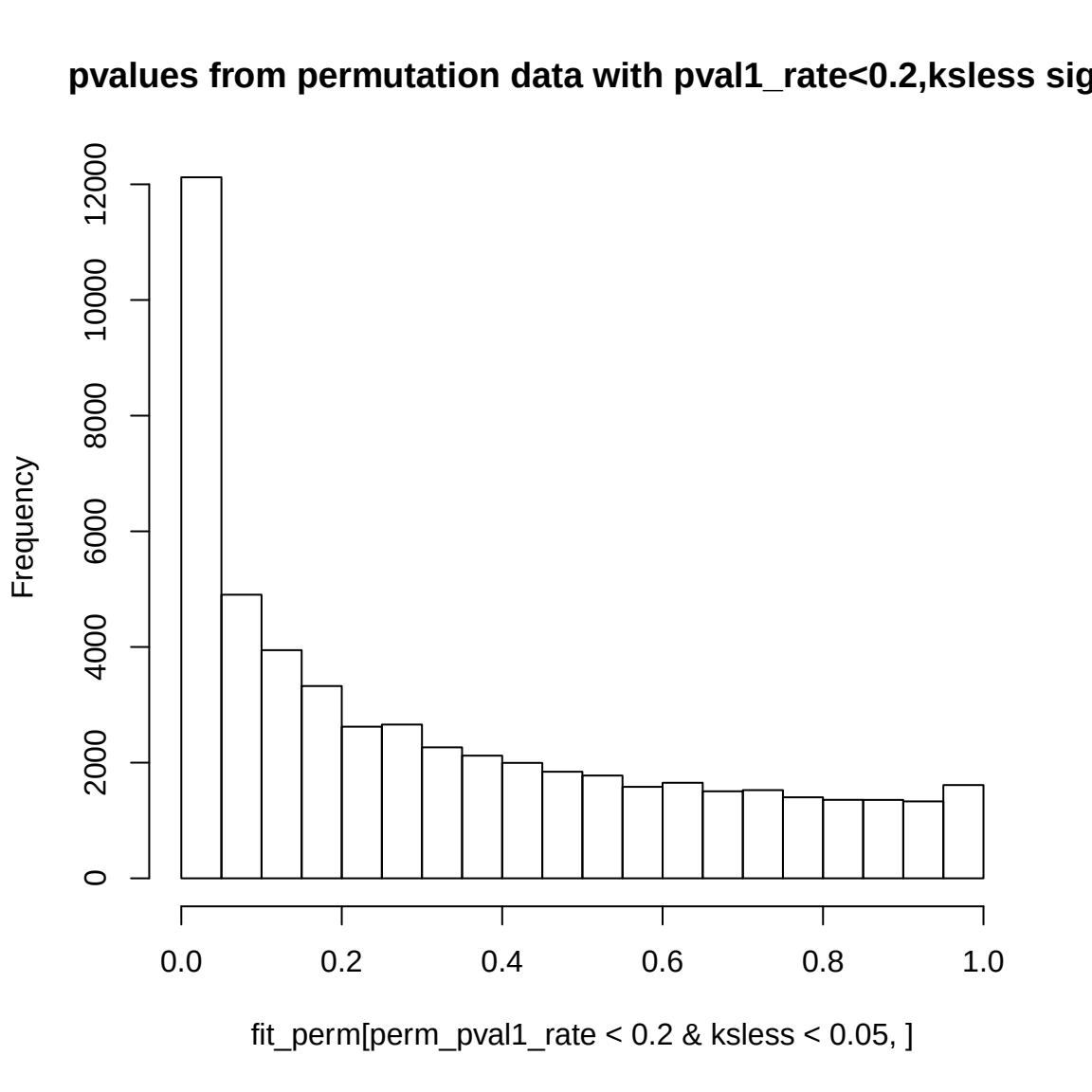

observed pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
2
4
6
8
10
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater < 0.05]

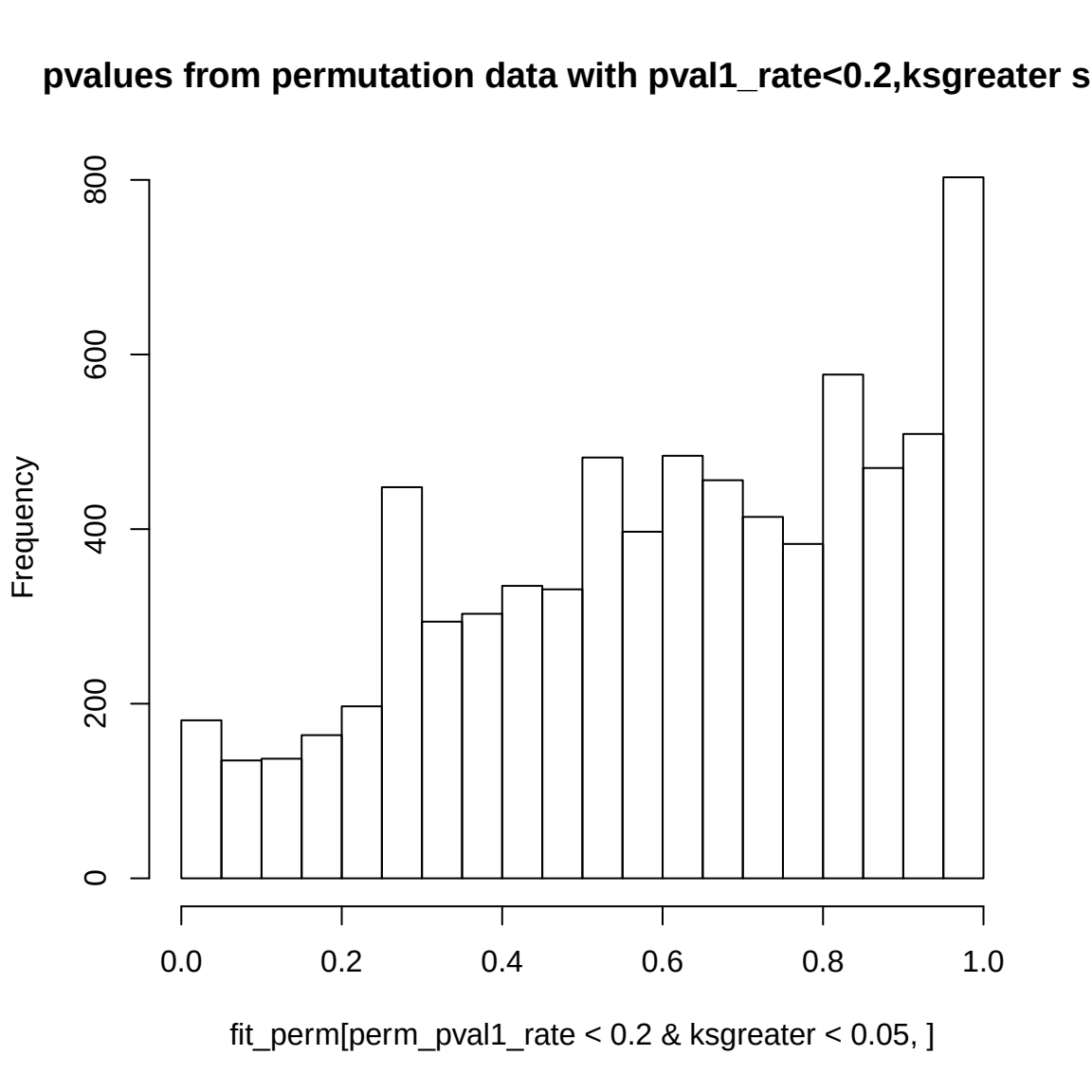

observed pvalues with pval1_rate<0.2,ks no sig
Frequency
0
10
20
30
40
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater >= 0.05 & ksless > 0.05]

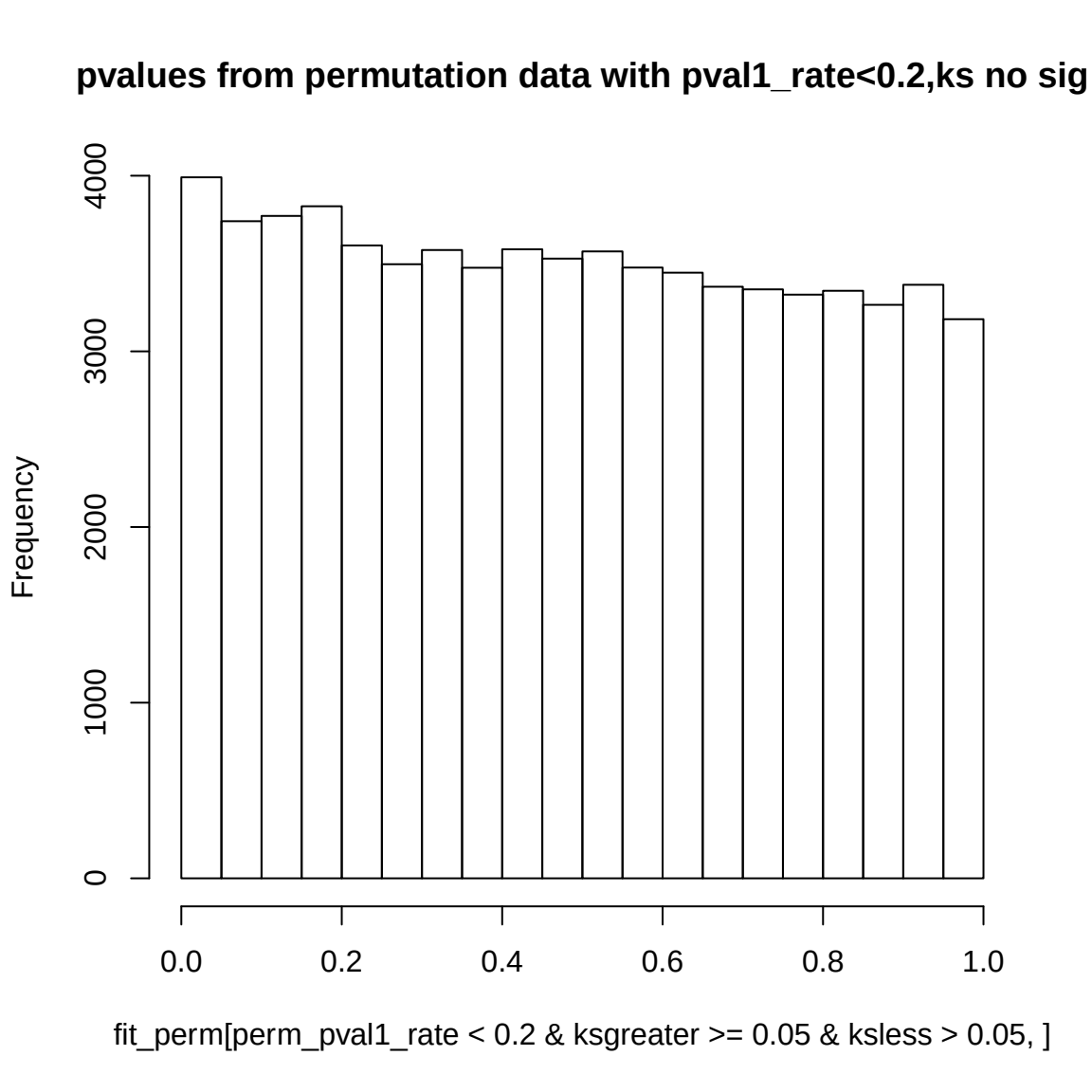

permutation pvalues with pval1_rate<0.2,ksless sig
Frequency
0
5
10
15
20
25
30
0.0
0.2
0.4
0.6
0.8
1.0
rawp[perm_pval1_rate < 0.2 & ksless < 0.05]


permutation pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
1
2
3
4
5
6
7
0.0
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
200
400
600
800
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,]