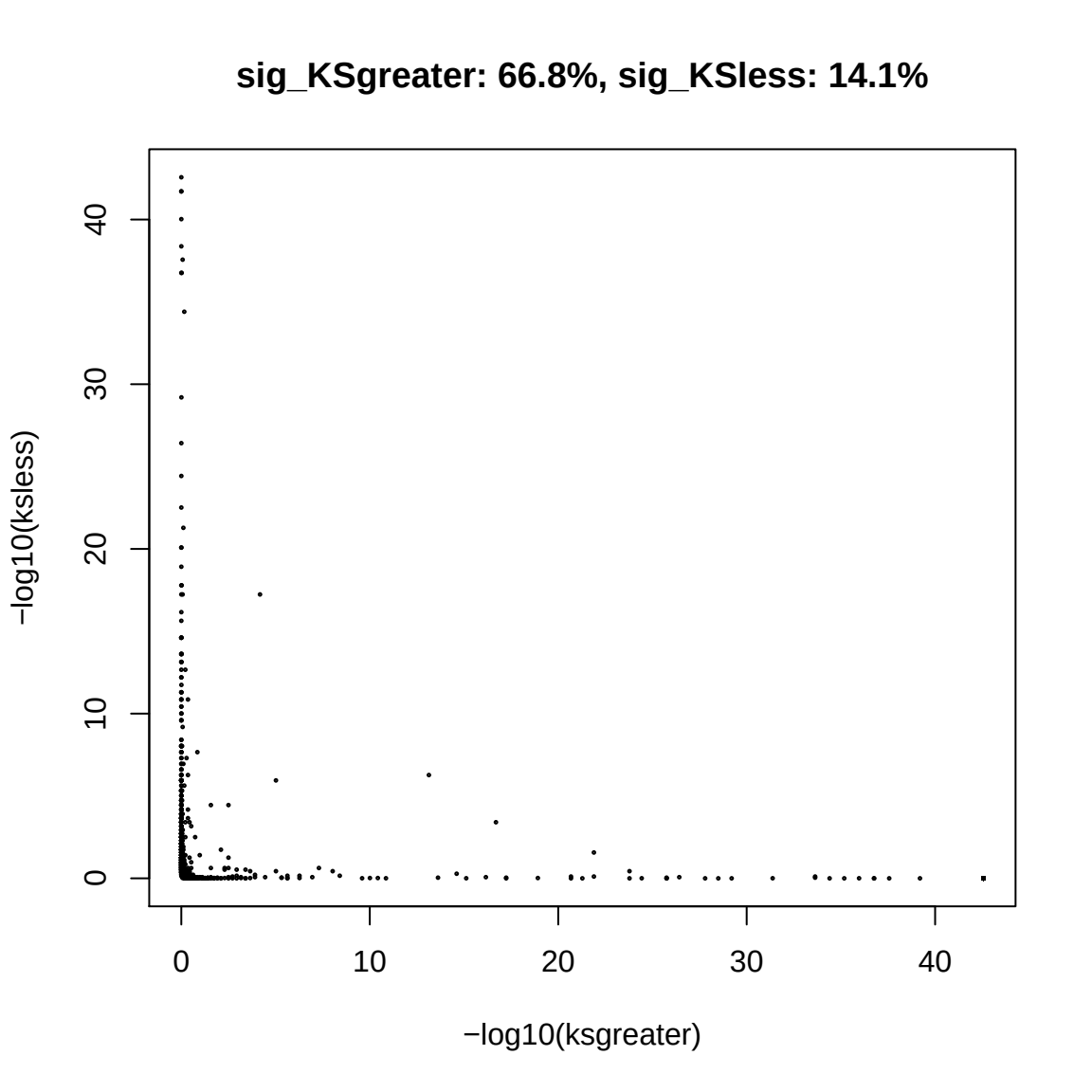
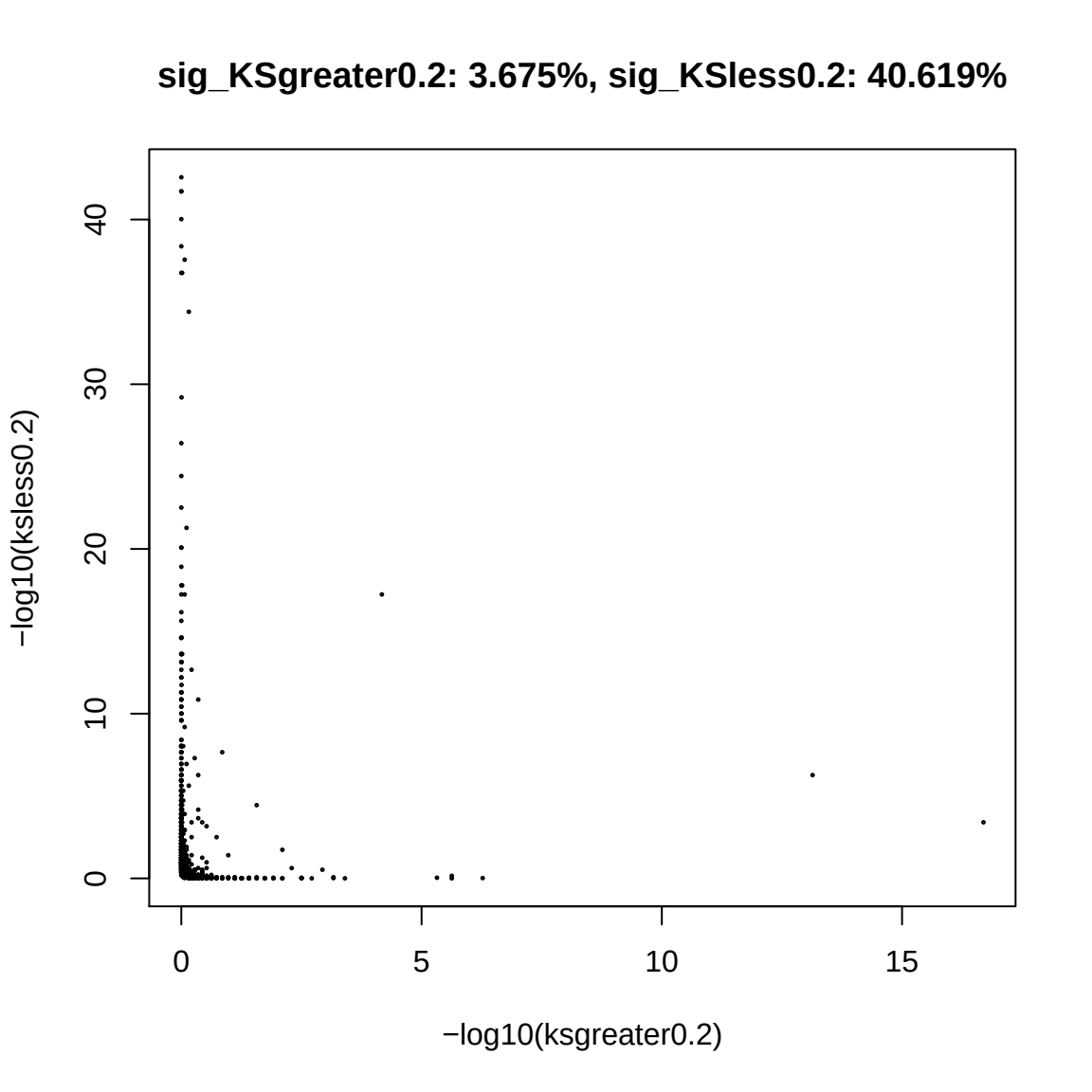
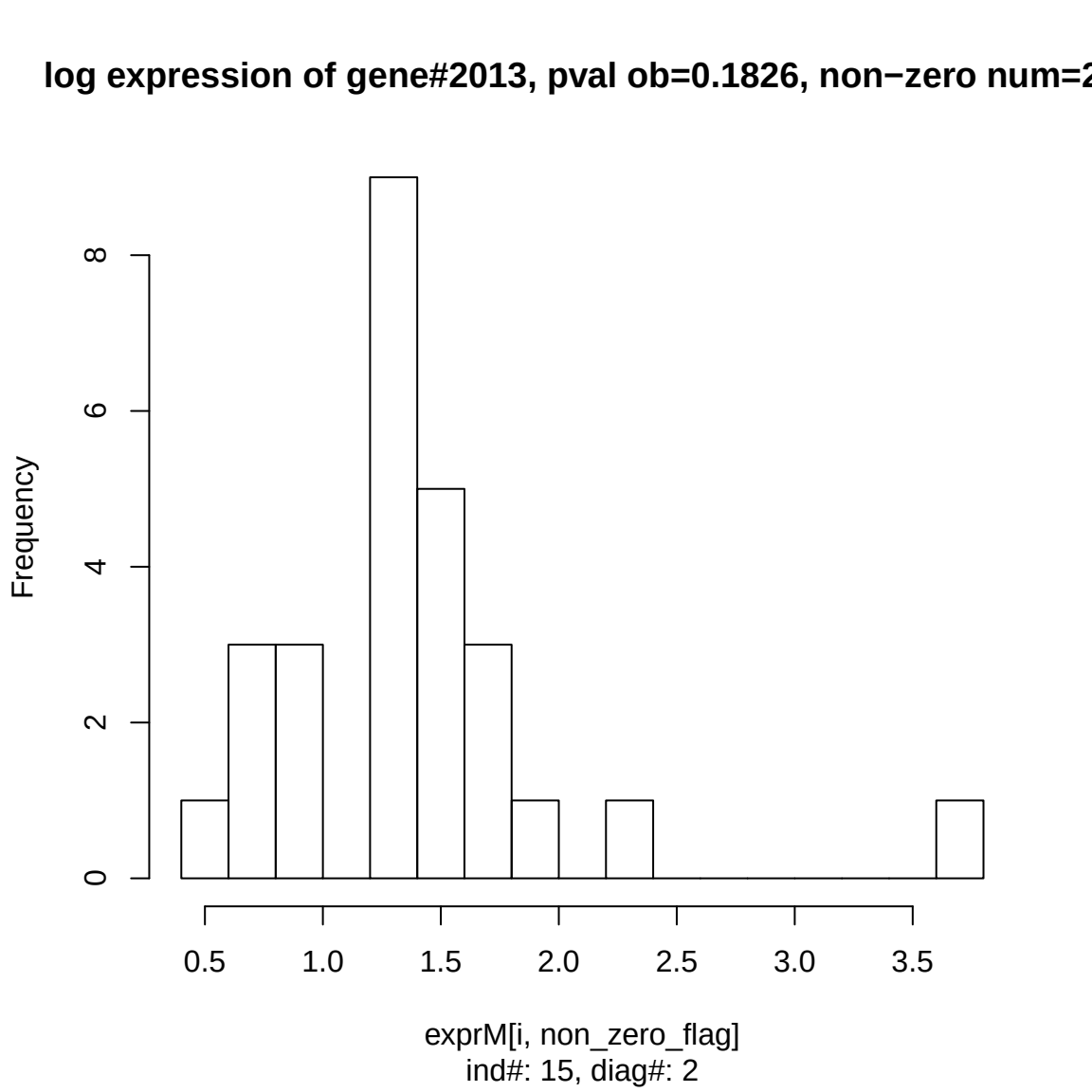
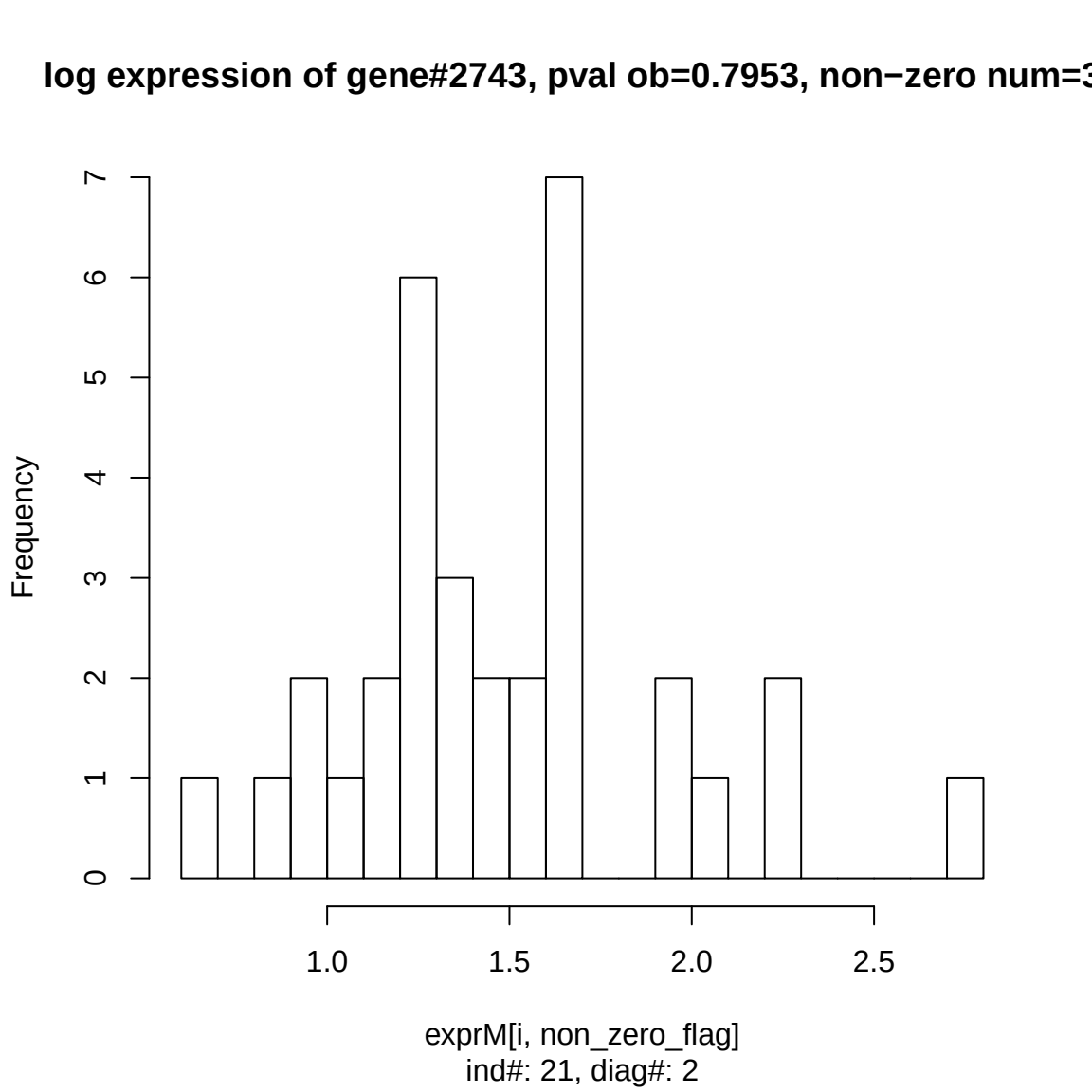
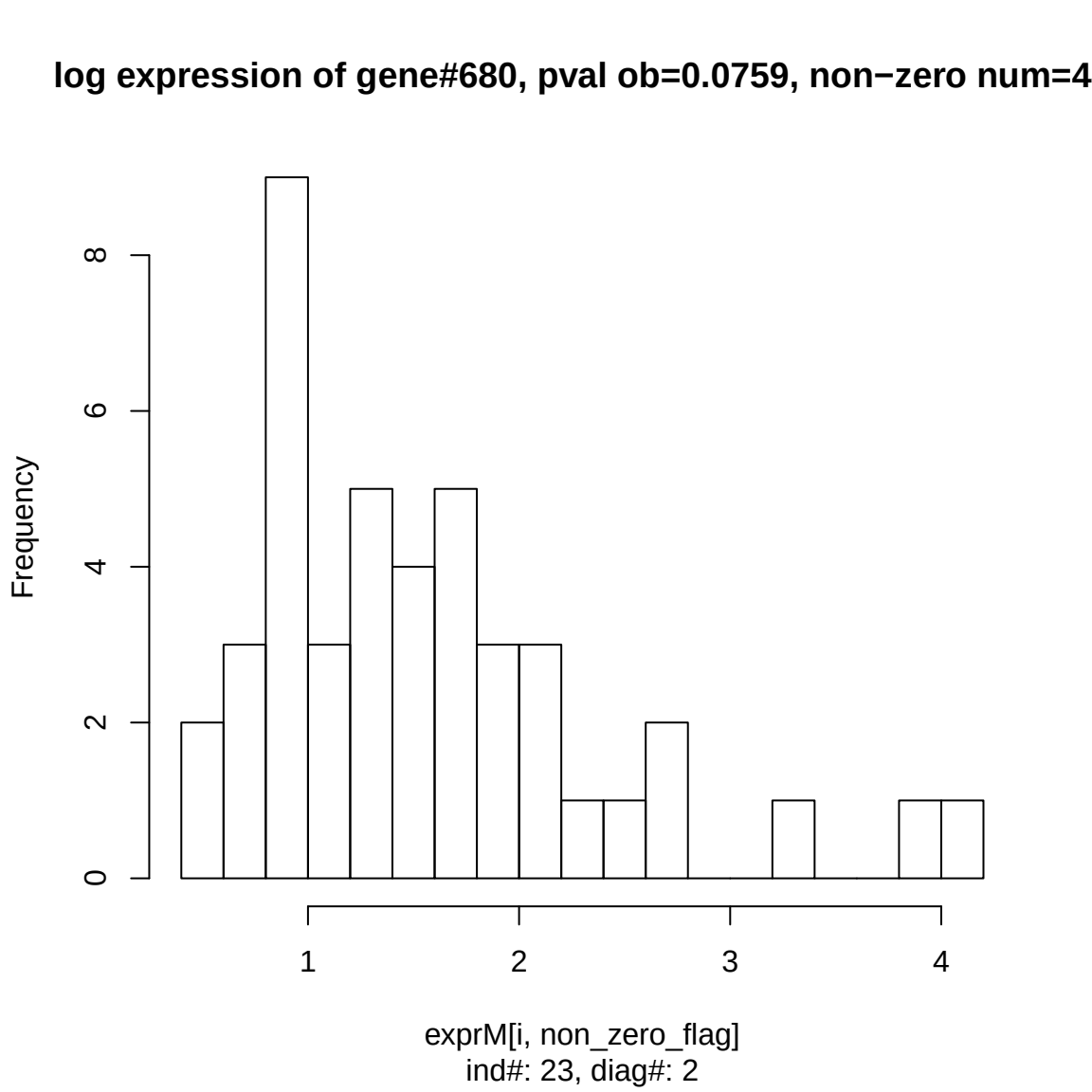
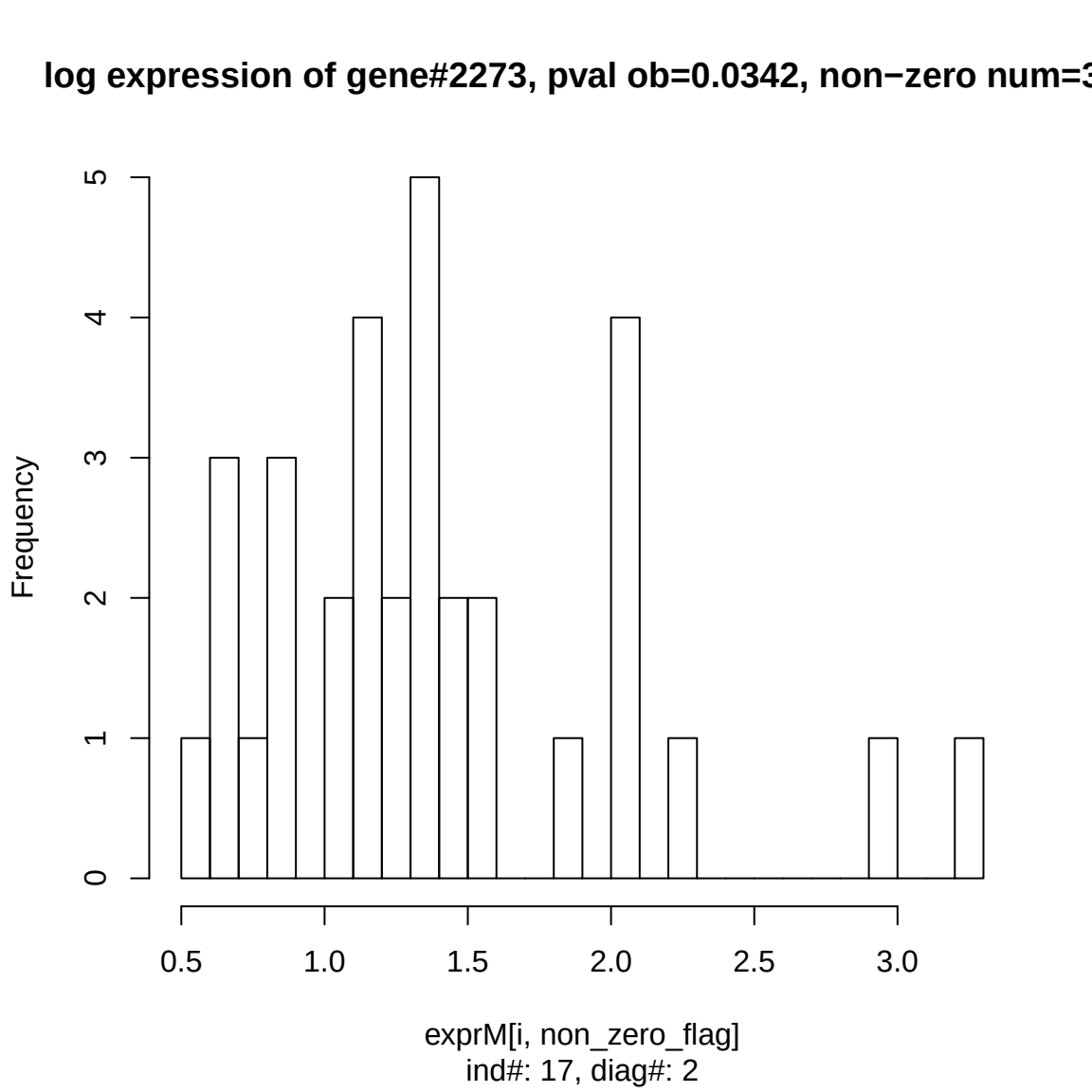

sig_KSgreater: 66.8%, sig_KSless: 14.1%
−log10(ksless)
0
10
20
30
40
0
10
20
30
40
−log10(ksgreater)

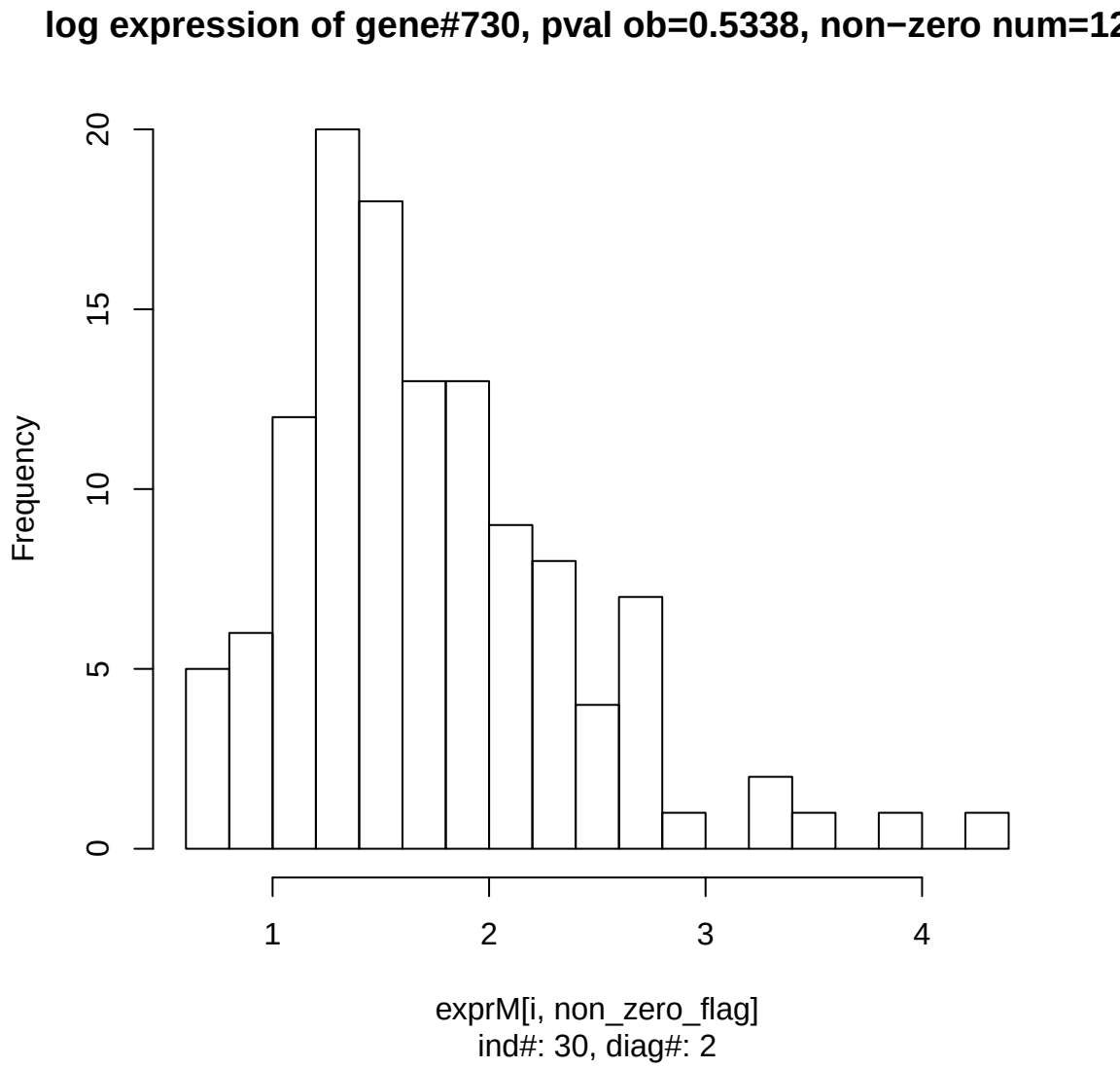

sig_KSgreater0.2: 3.675%, sig_KSless0.2: 40.619%
−log10(ksless0.2)
0
10
20
30
40
0
5
10
15
−log10(ksgreater0.2)

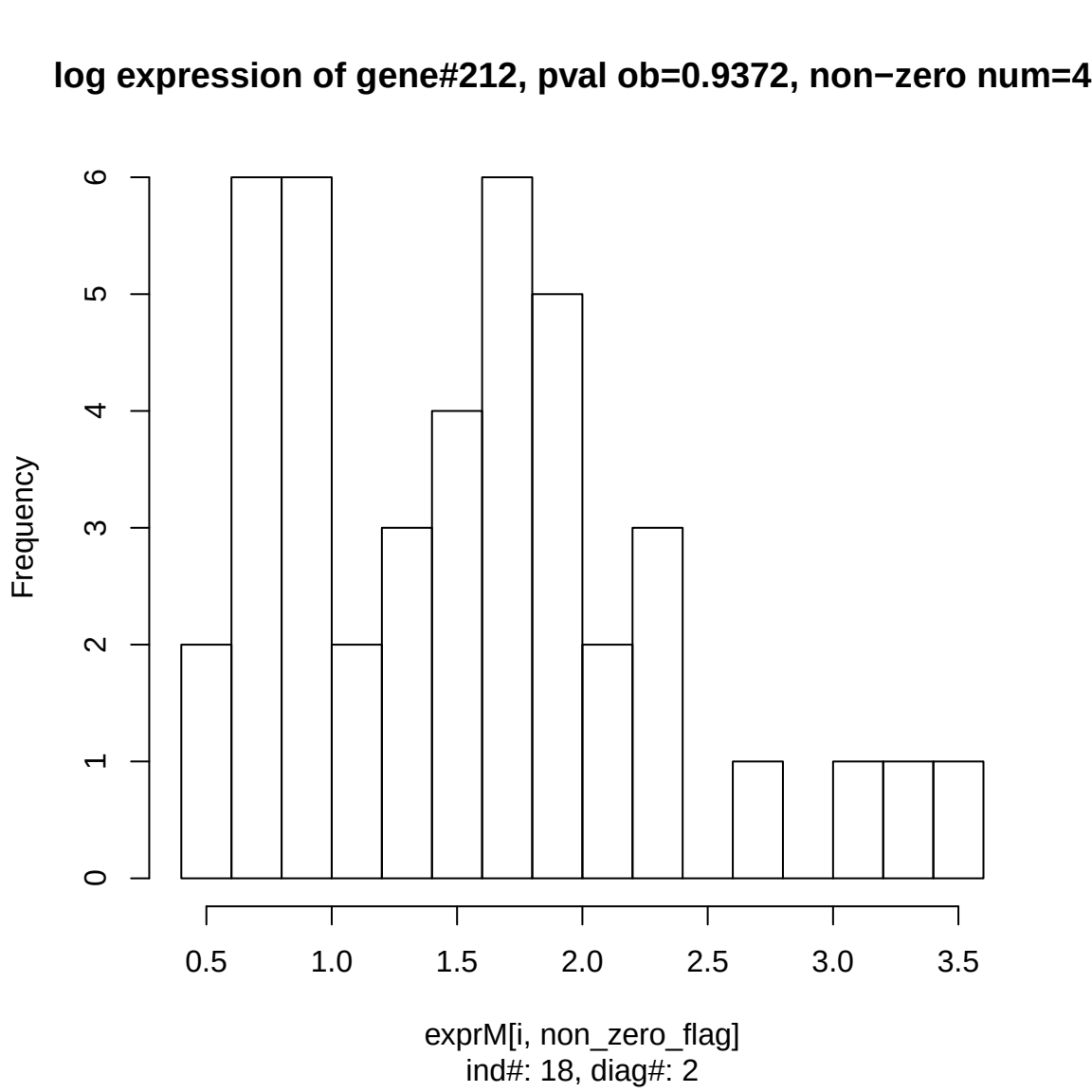

log expression of gene#2013, pval ob=0.1826, non−zero num=2
Frequency
0
2
4
6
8
0.5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 15, diag#: 2

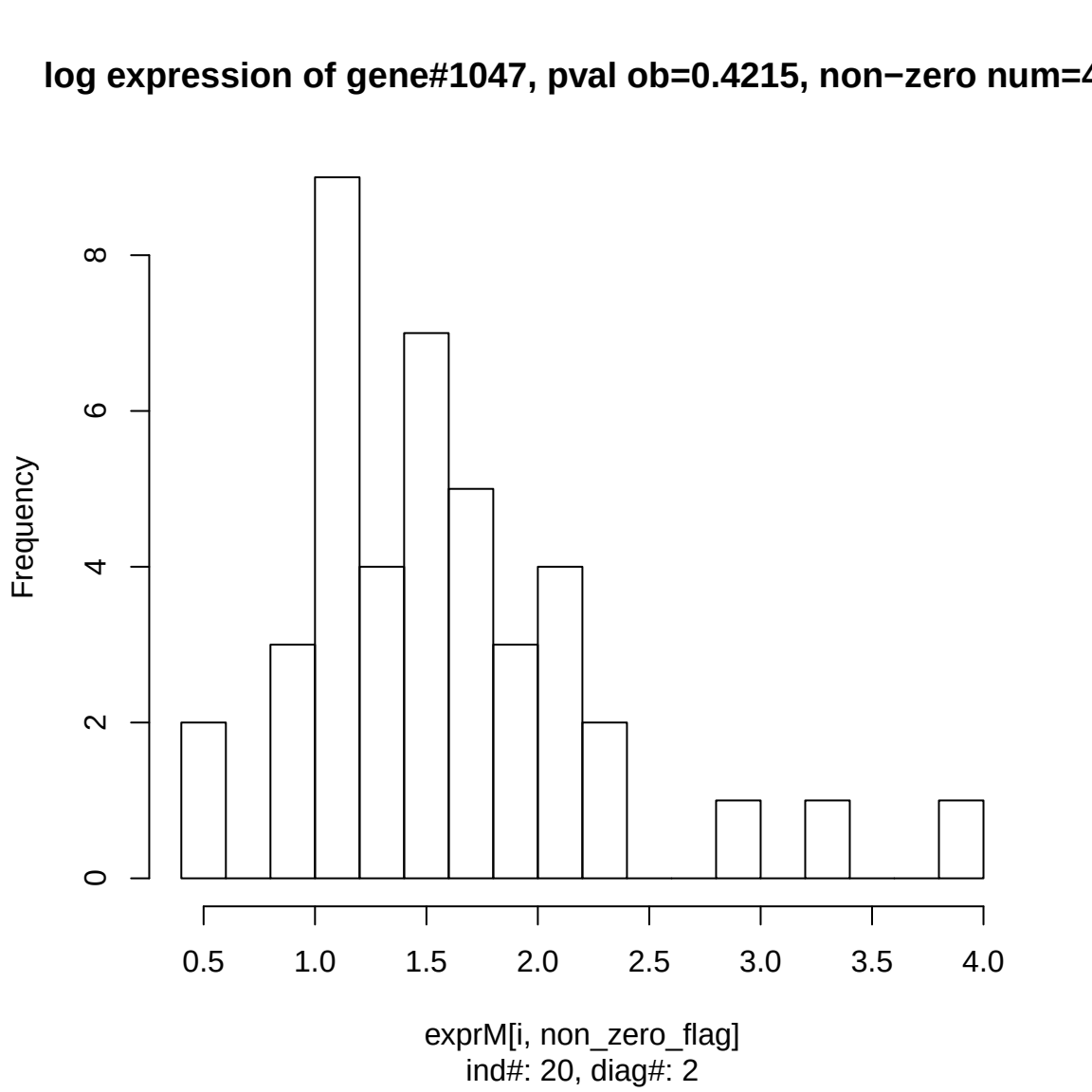

log expression of gene#2743, pval ob=0.7953, non−zero num=3
Frequency
0
1
2
3
4
5
6
7
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 21, diag#: 2

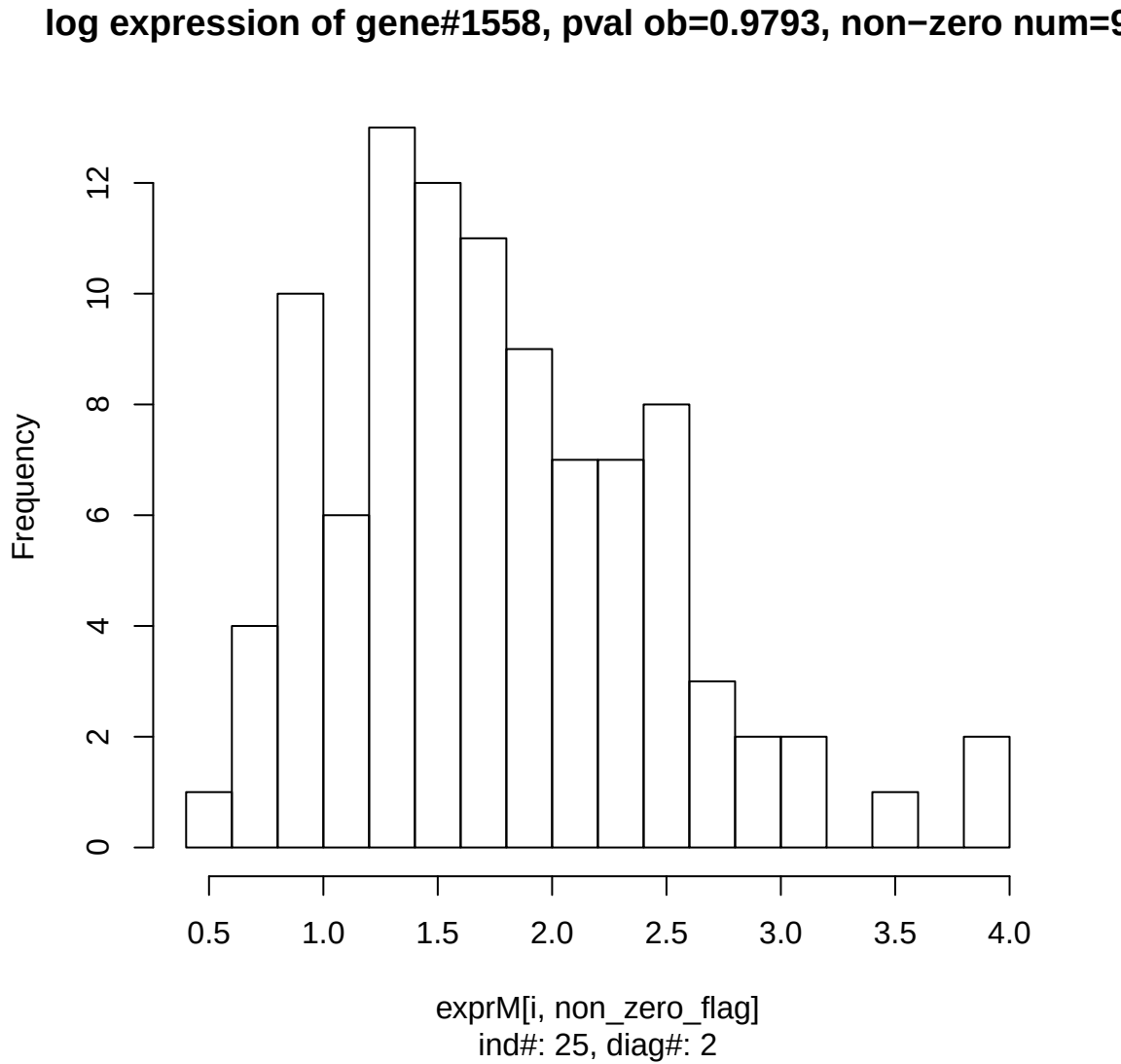

log expression of gene#680, pval ob=0.0759, non−zero num=4
Frequency
0
2
4
6
8
1
2
3
4
exprM[i, non_zero_flag]
ind#: 23, diag#: 2

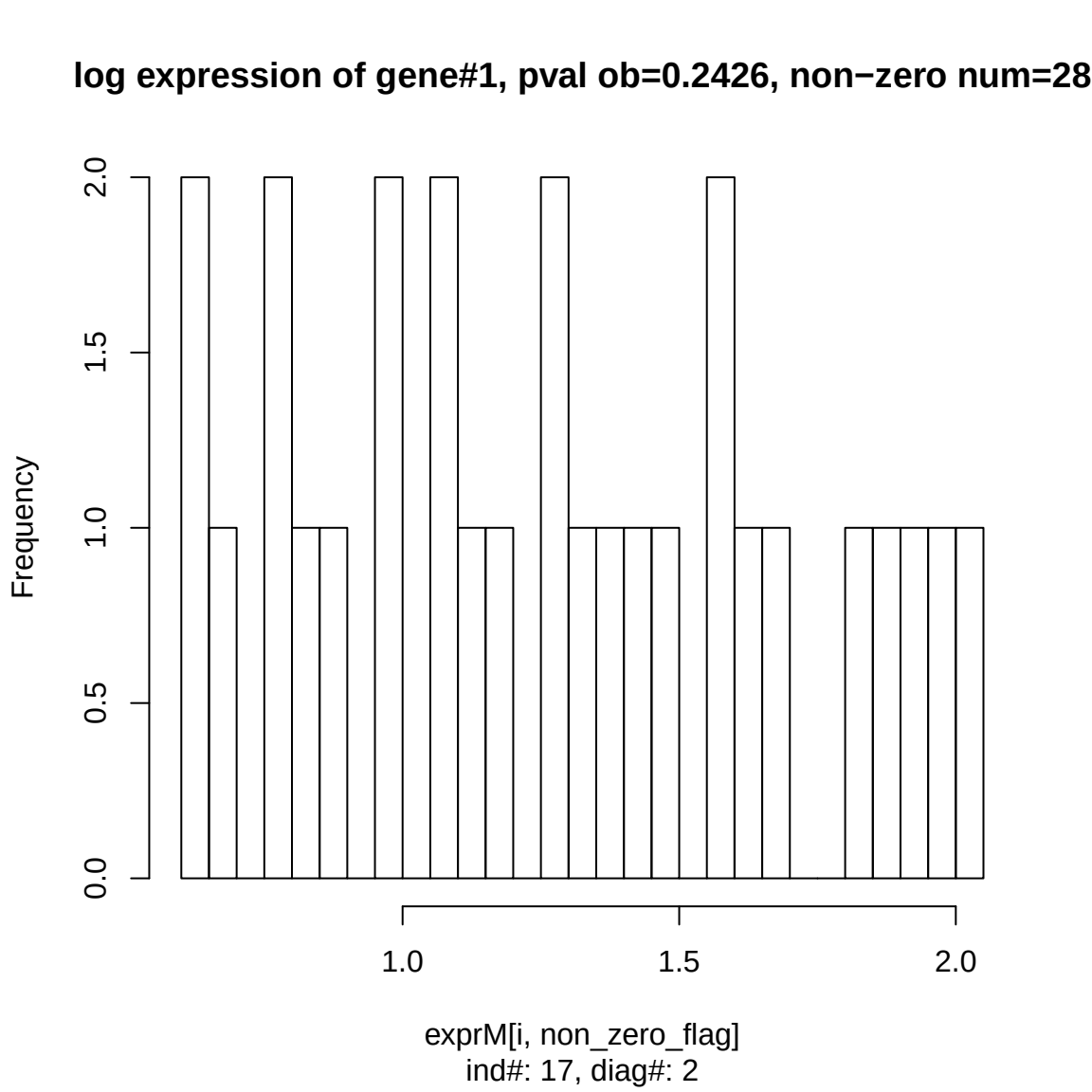

log expression of gene#2273, pval ob=0.0342, non−zero num=3
Frequency
0
1
2
3
4
5
0.5
1.0
1.5
2.0
2.5
3.0
exprM[i, non_zero_flag]
ind#: 17, diag#: 2

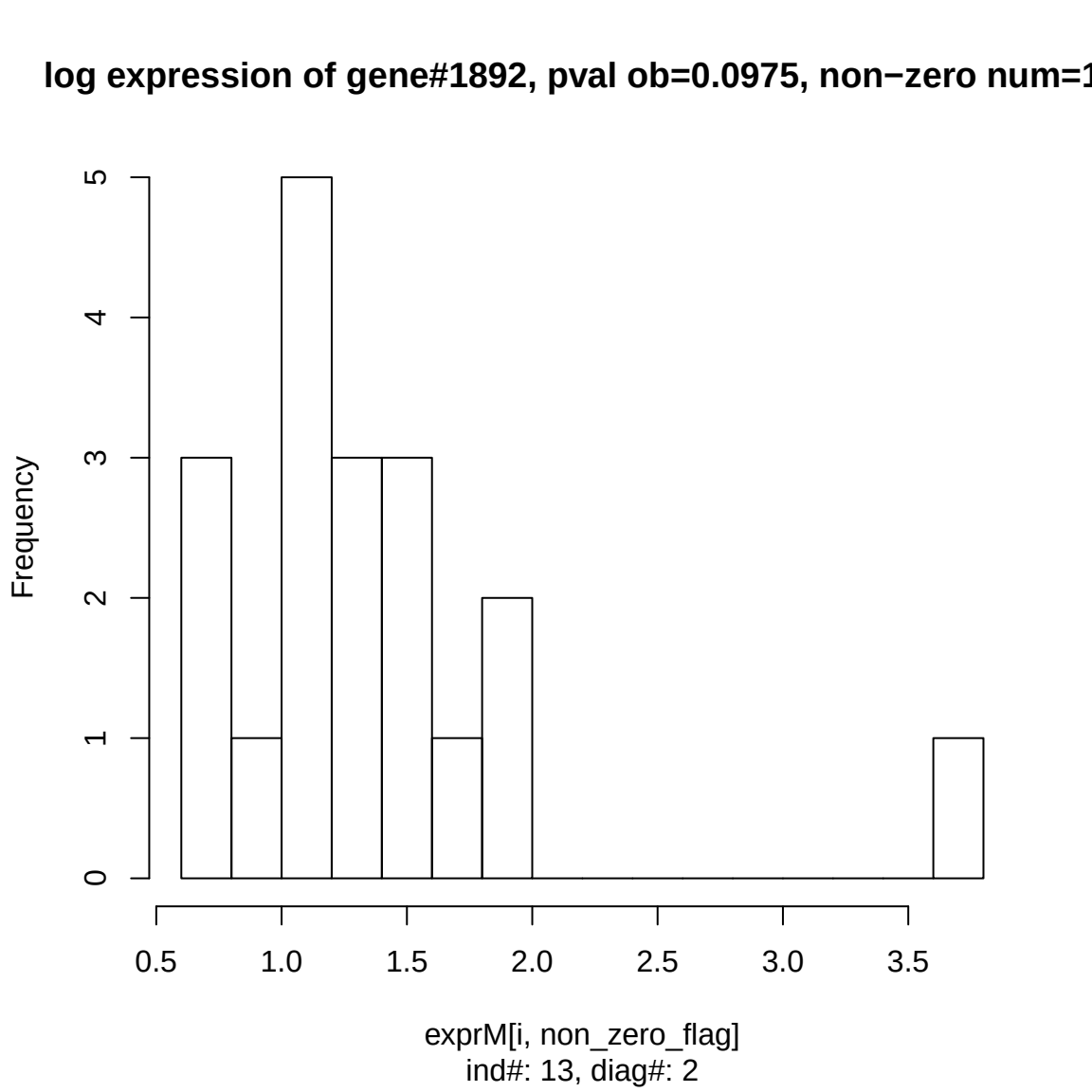

log expression of gene#730, pval ob=0.5338, non−zero num=12
Frequency
0
5
10
15
20
1
2
3
4
exprM[i, non_zero_flag]
ind#: 30, diag#: 2

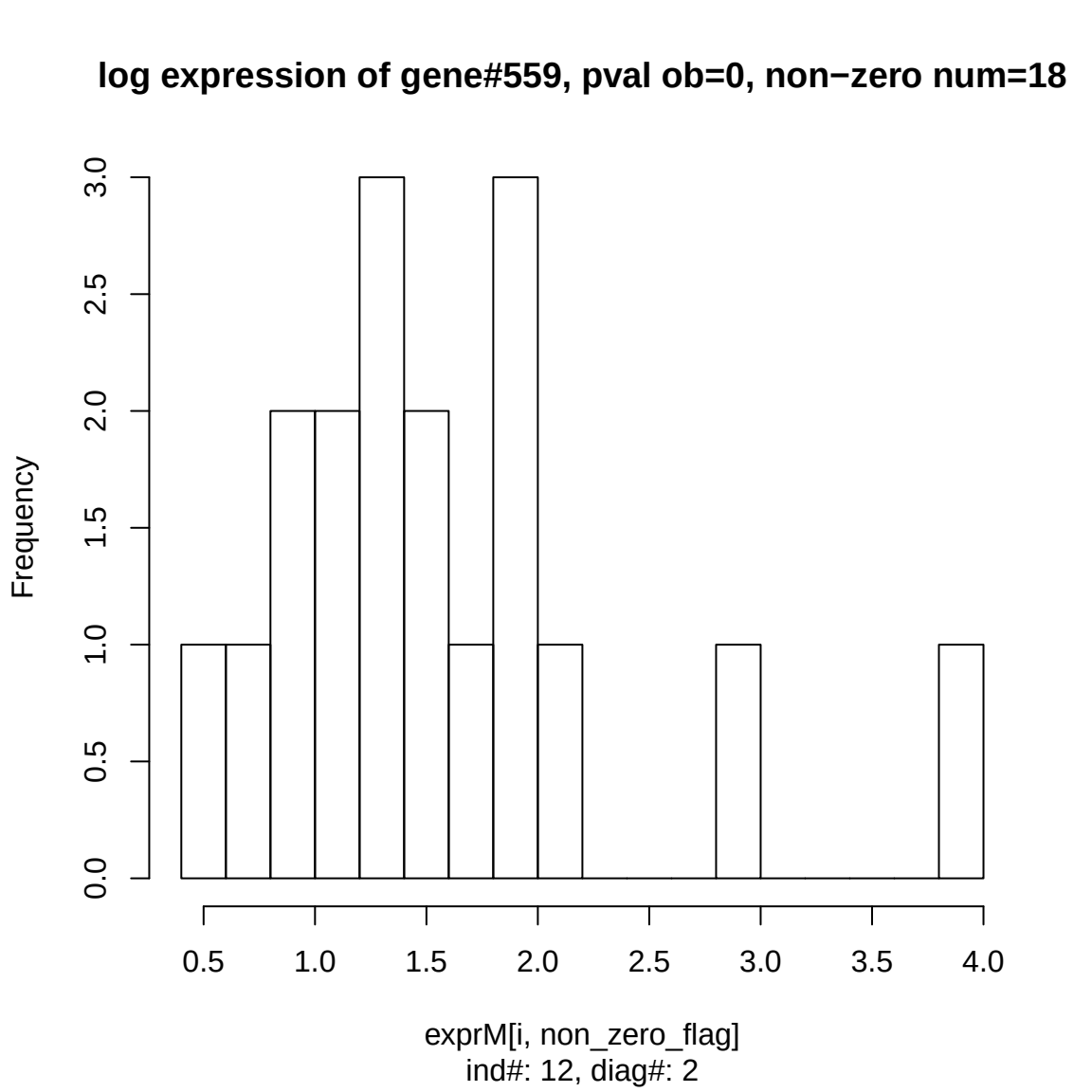

log expression of gene#212, pval ob=0.9372, non−zero num=4
Frequency
0
1
2
3
4
5
6
0.5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 18, diag#: 2

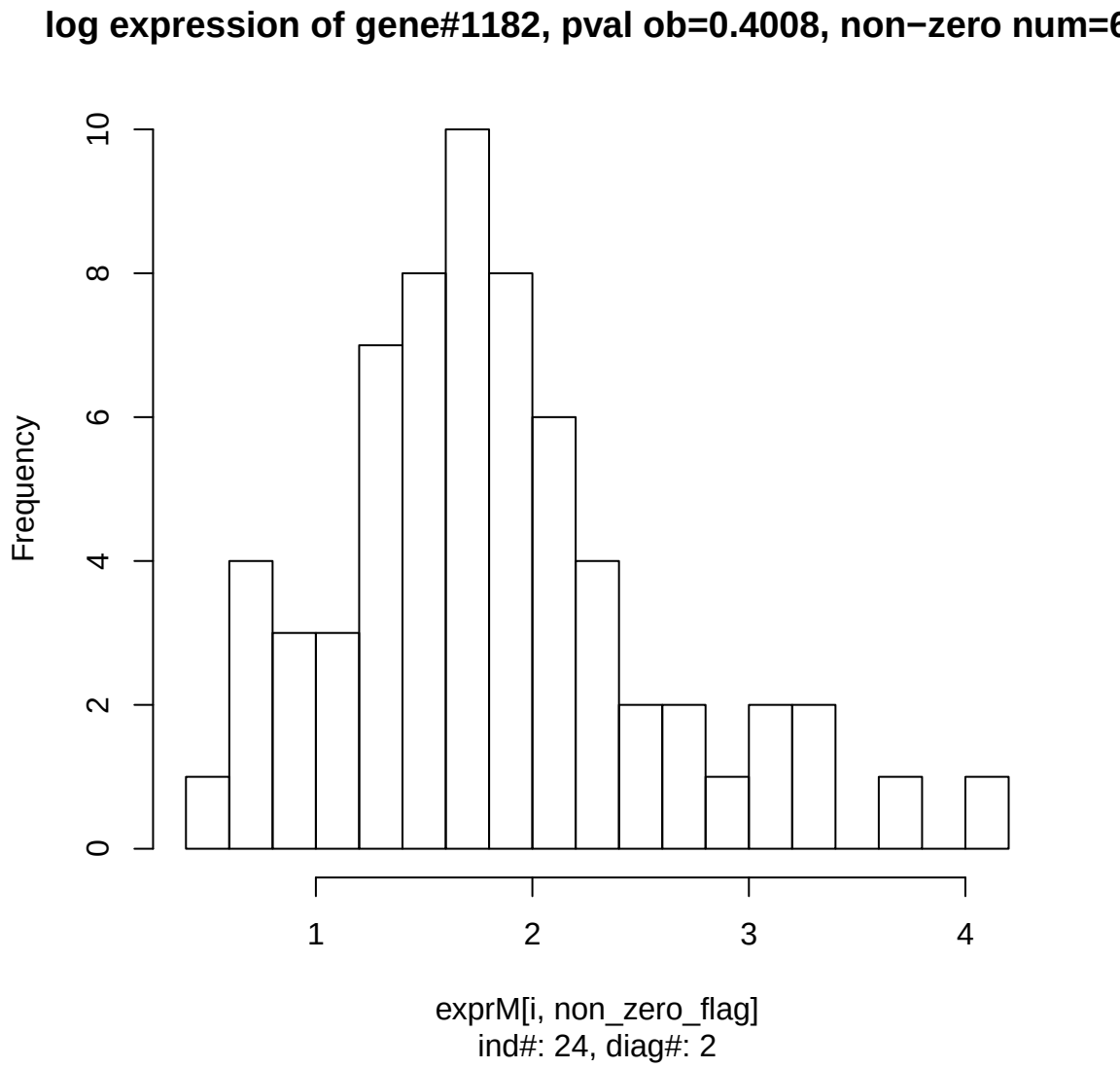

log expression of gene#1047, pval ob=0.4215, non−zero num=4
Frequency
0
2
4
6
8
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 20, diag#: 2

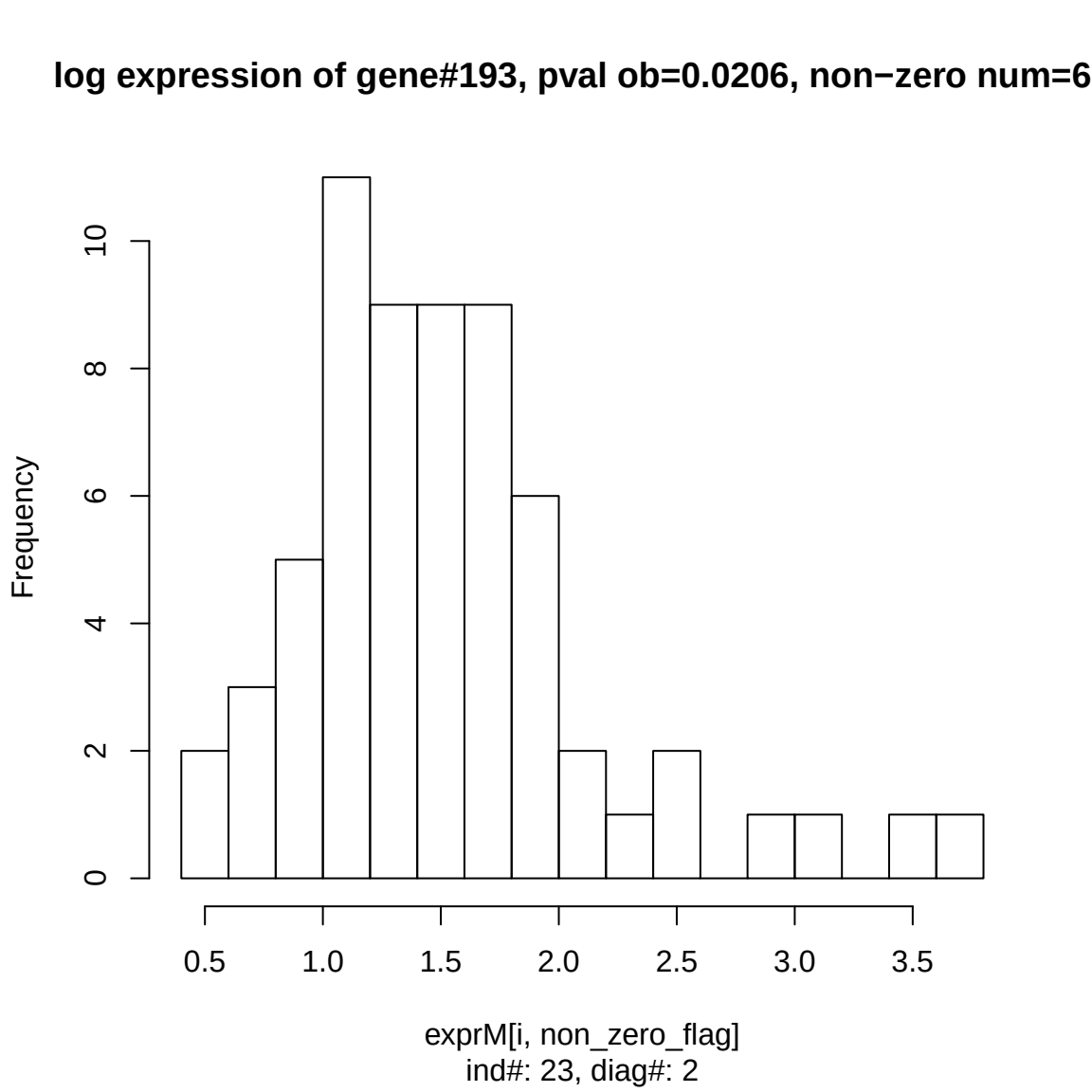

log expression of gene#1558, pval ob=0.9793, non−zero num=9
Frequency
0
2
4
6
8
10
12
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 25, diag#: 2

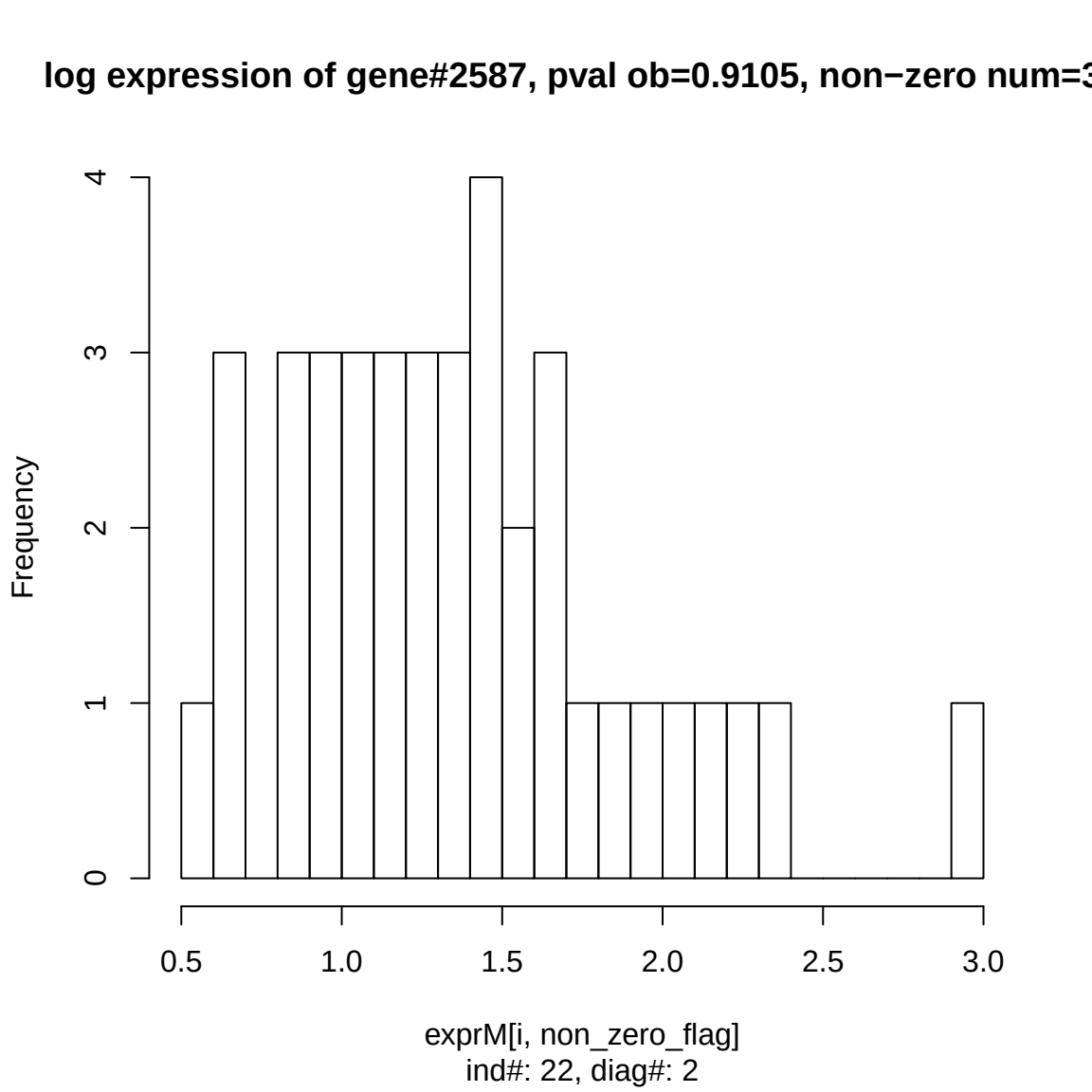

log expression of gene#1, pval ob=0.2426, non−zero num=28
Frequency
0.0
0.5
1.0
1.5
2.0
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 17, diag#: 2

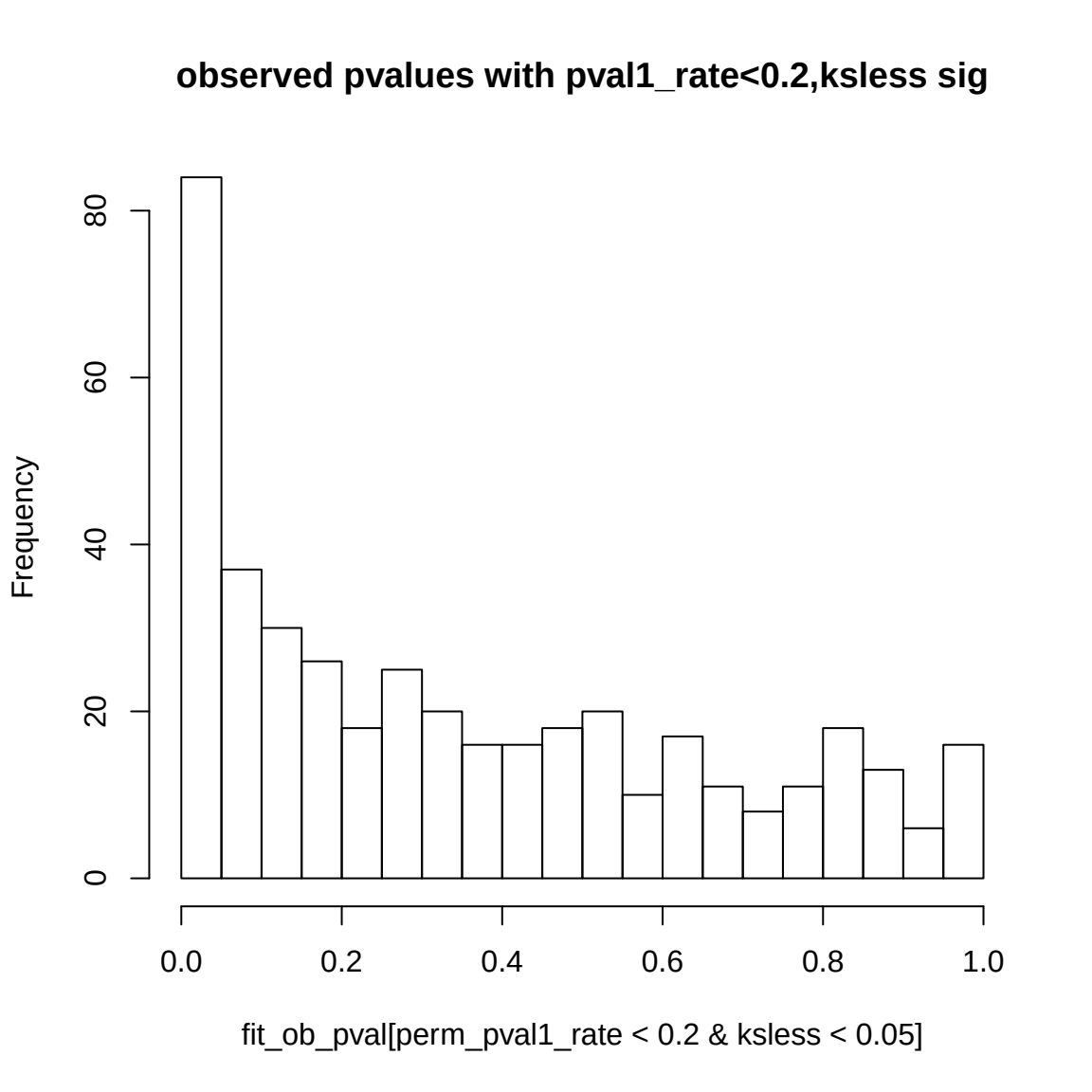

log expression of gene#1892, pval ob=0.0975, non−zero num=1
Frequency
0
1
2
3
4
5
0.5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 13, diag#: 2

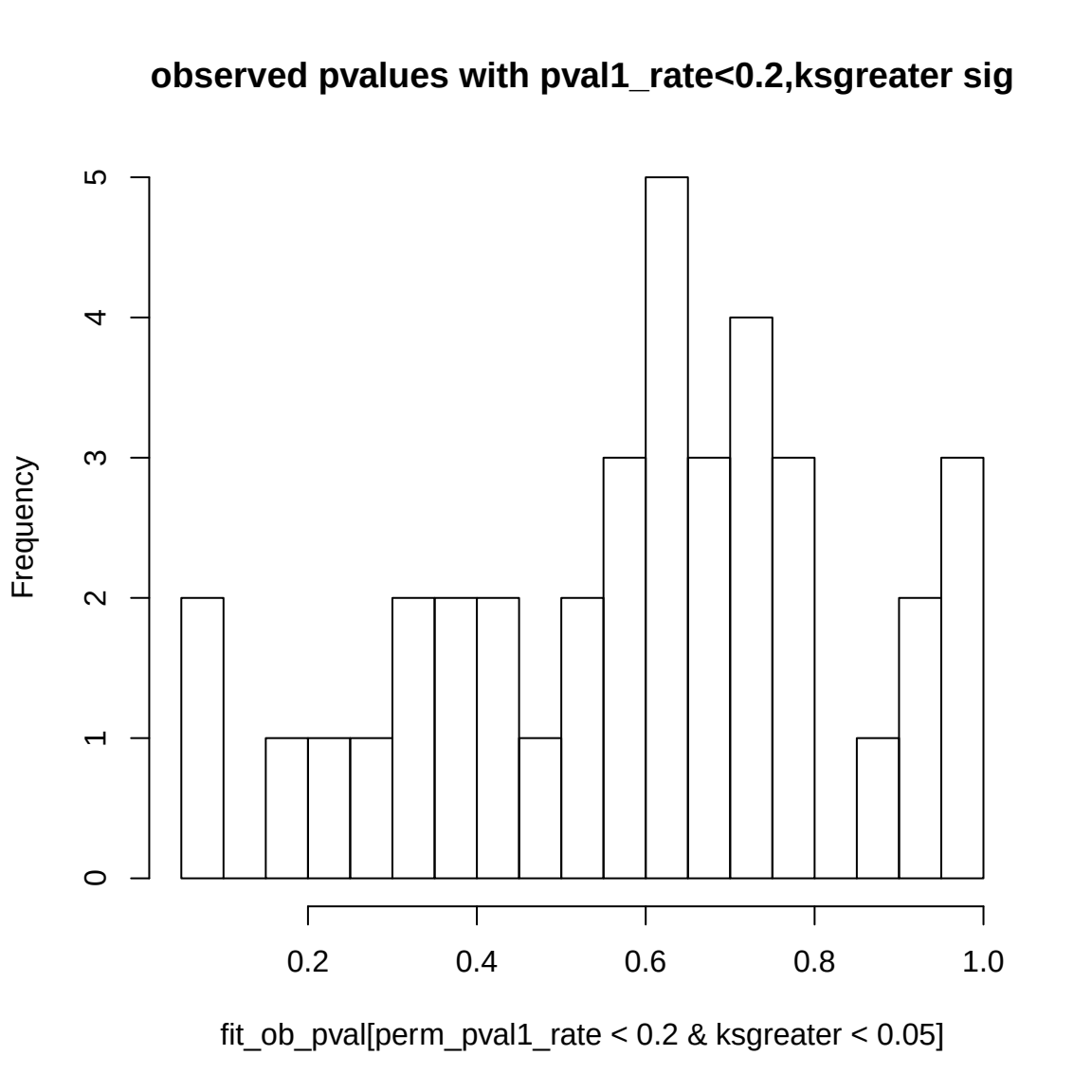

log expression of gene#559, pval ob=0, non−zero num=18
Frequency
0.0
0.5
1.0
1.5
2.0
2.5
3.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
exprM[i, non_zero_flag]
ind#: 12, diag#: 2

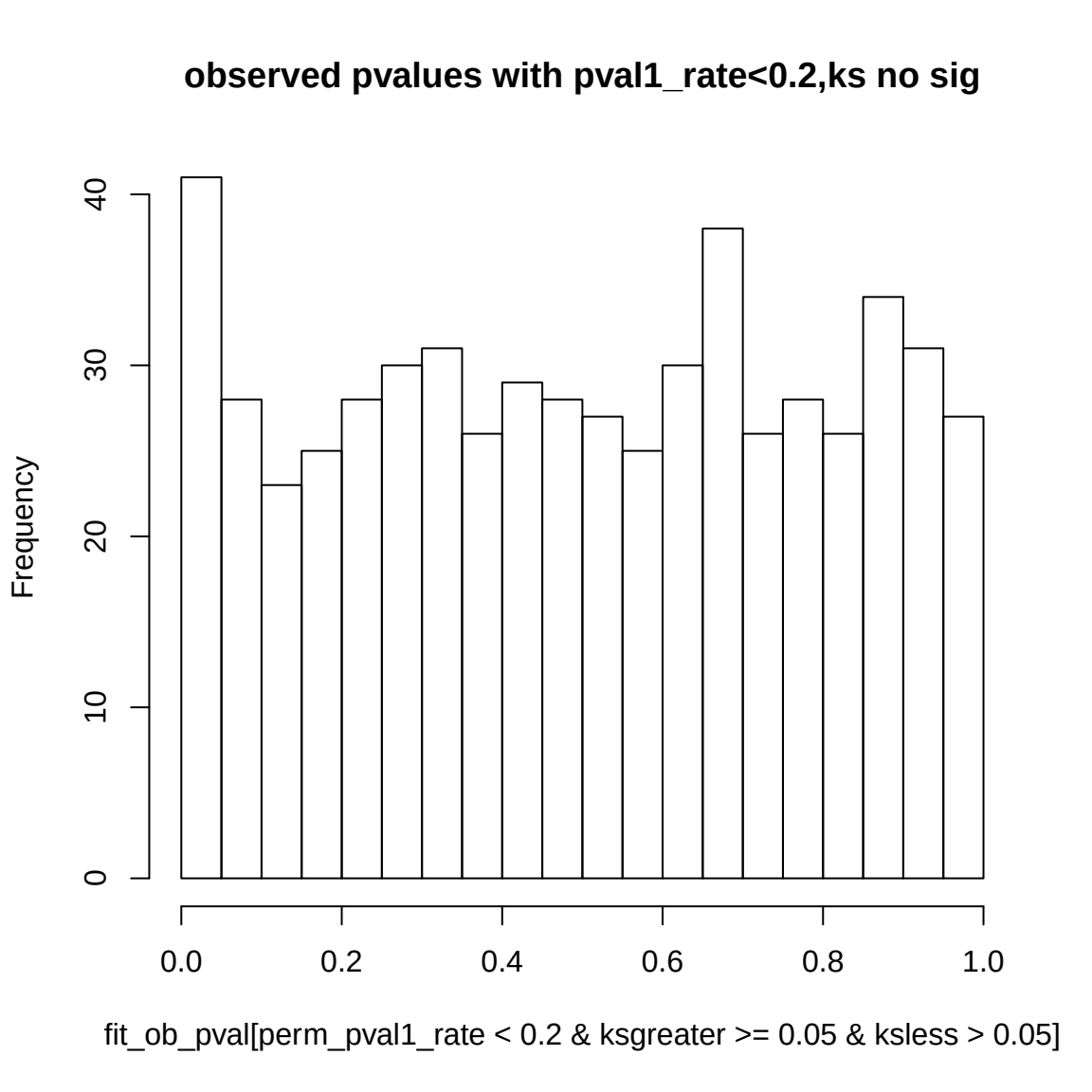

log expression of gene#1182, pval ob=0.4008, non−zero num=6
Frequency
0
2
4
6
8
10
1
2
3
4
exprM[i, non_zero_flag]
ind#: 24, diag#: 2

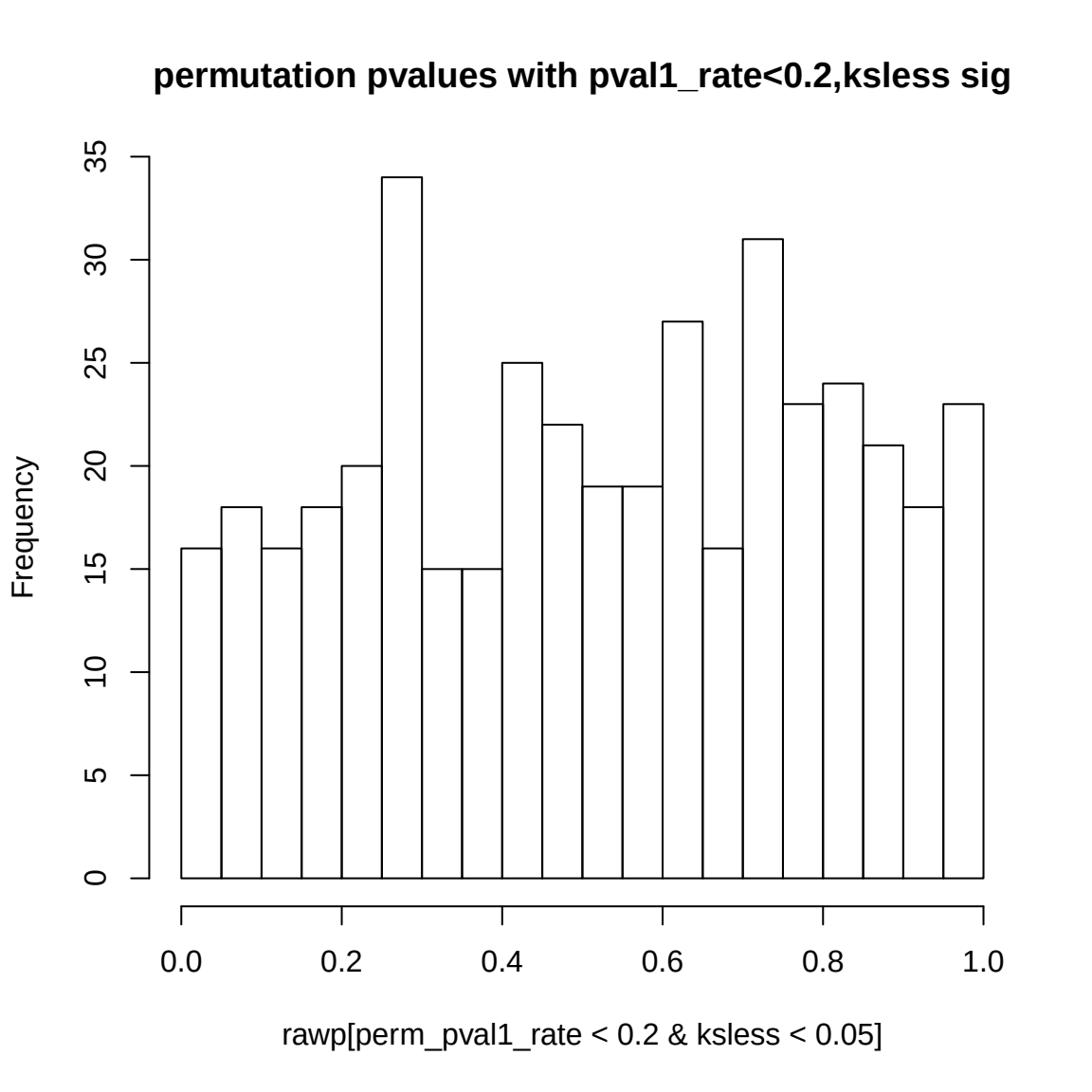

log expression of gene#193, pval ob=0.0206, non−zero num=6
Frequency
0
2
4
6
8
10
0.5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 23, diag#: 2

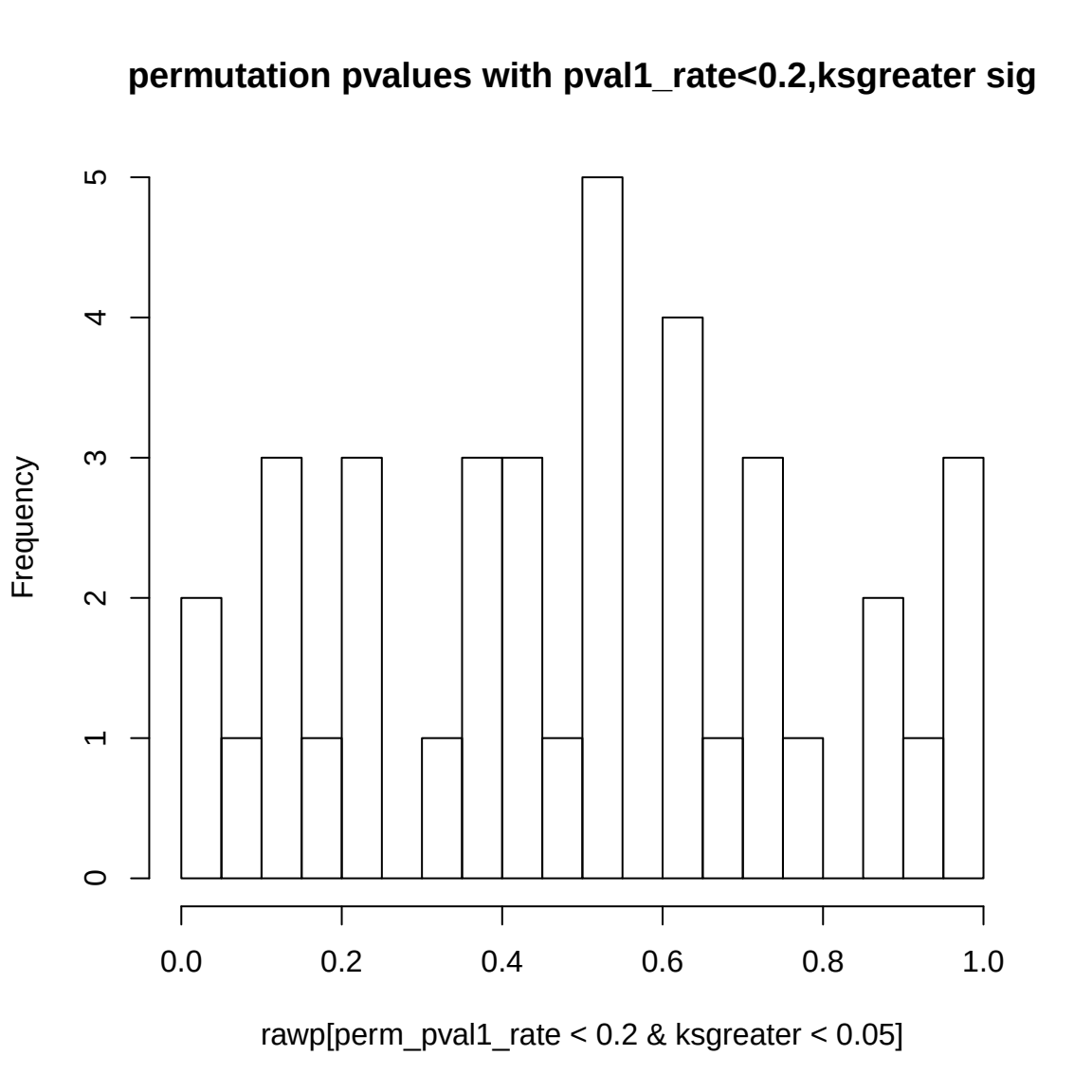

log expression of gene#2587, pval ob=0.9105, non−zero num=3
Frequency
0
1
2
3
4
0.5
1.0
1.5
2.0
2.5
3.0
exprM[i, non_zero_flag]
ind#: 22, diag#: 2

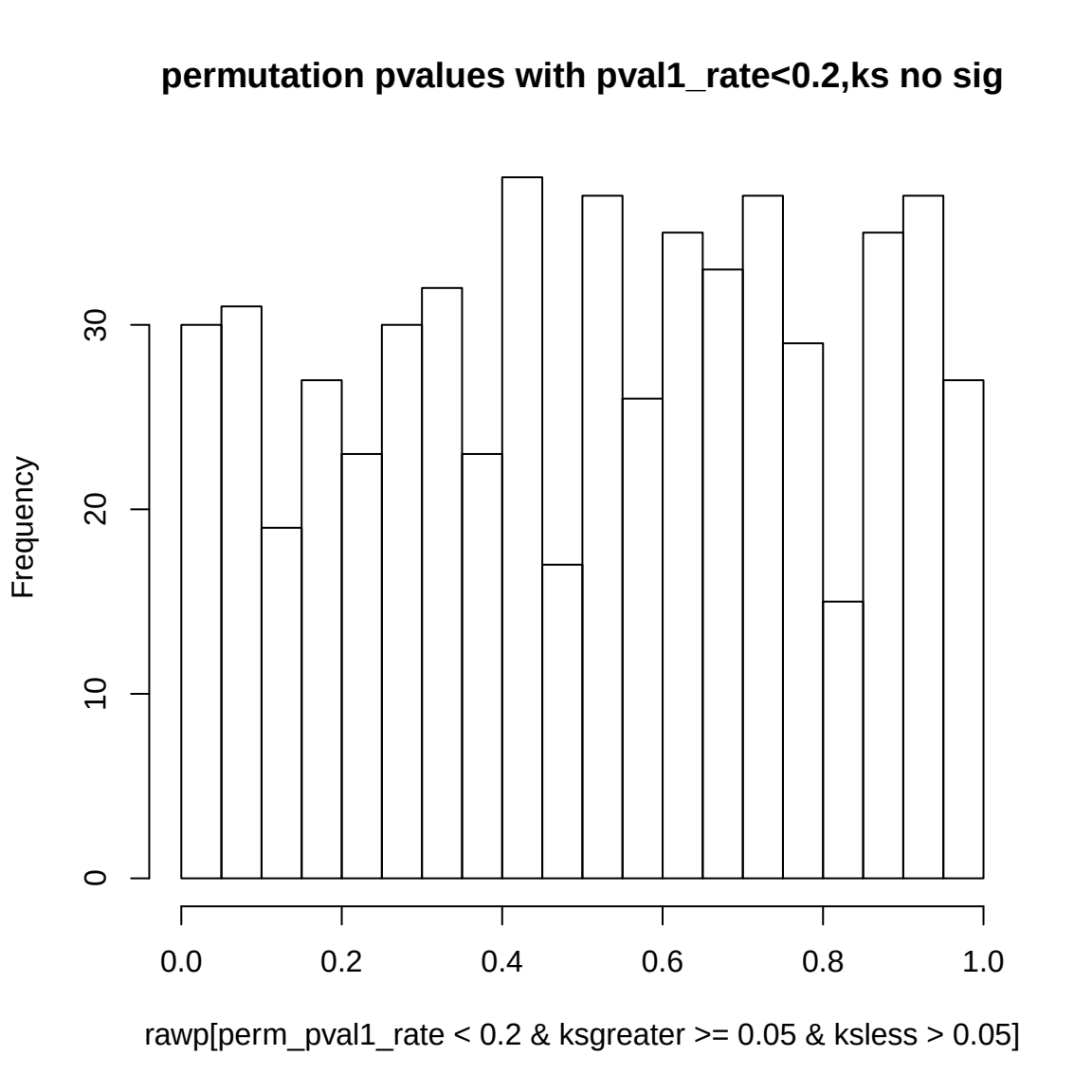

observed pvalues with pval1_rate<0.2,ksless sig
Frequency
0
20
40
60
80
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksless < 0.05]

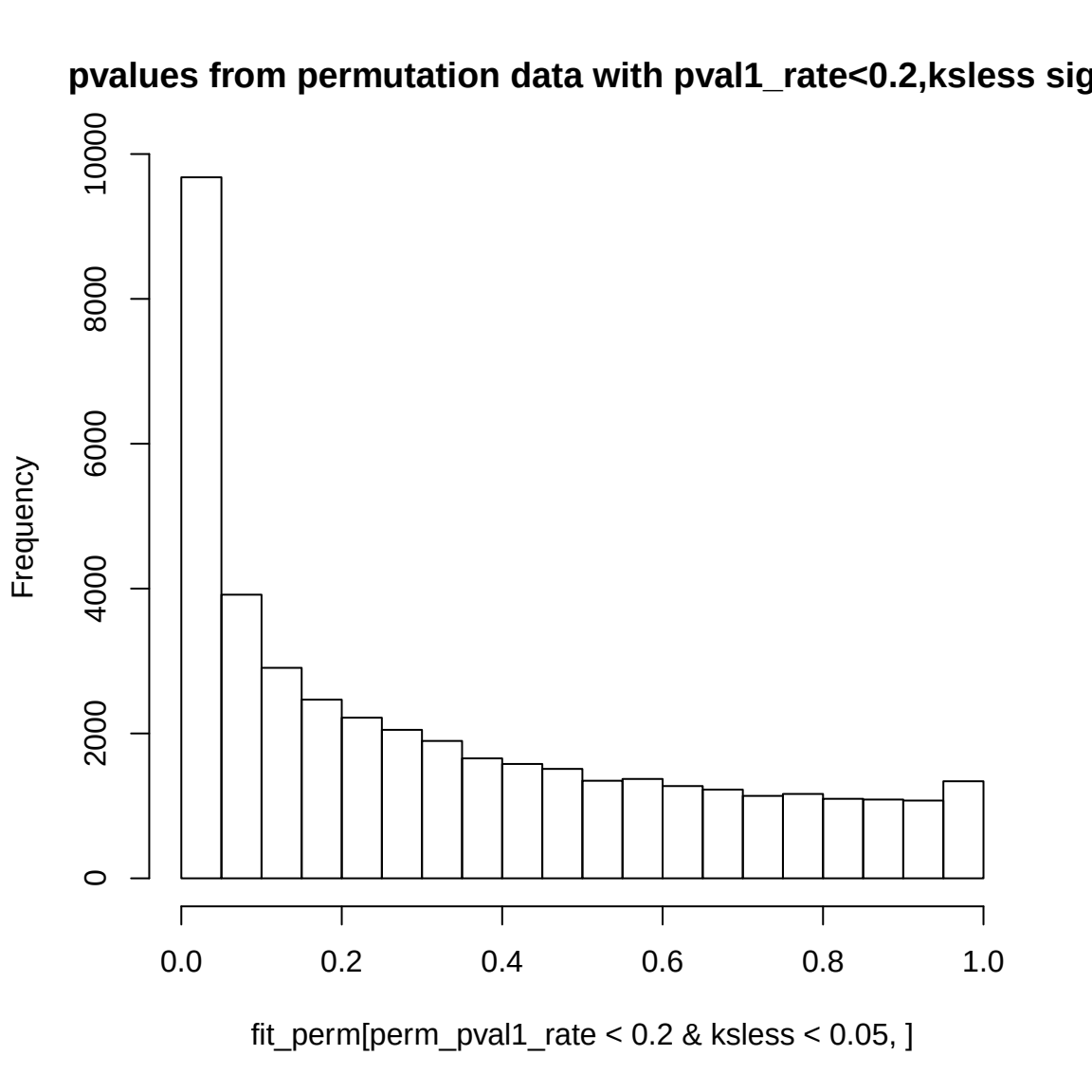

observed pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
1
2
3
4
5
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater < 0.05]

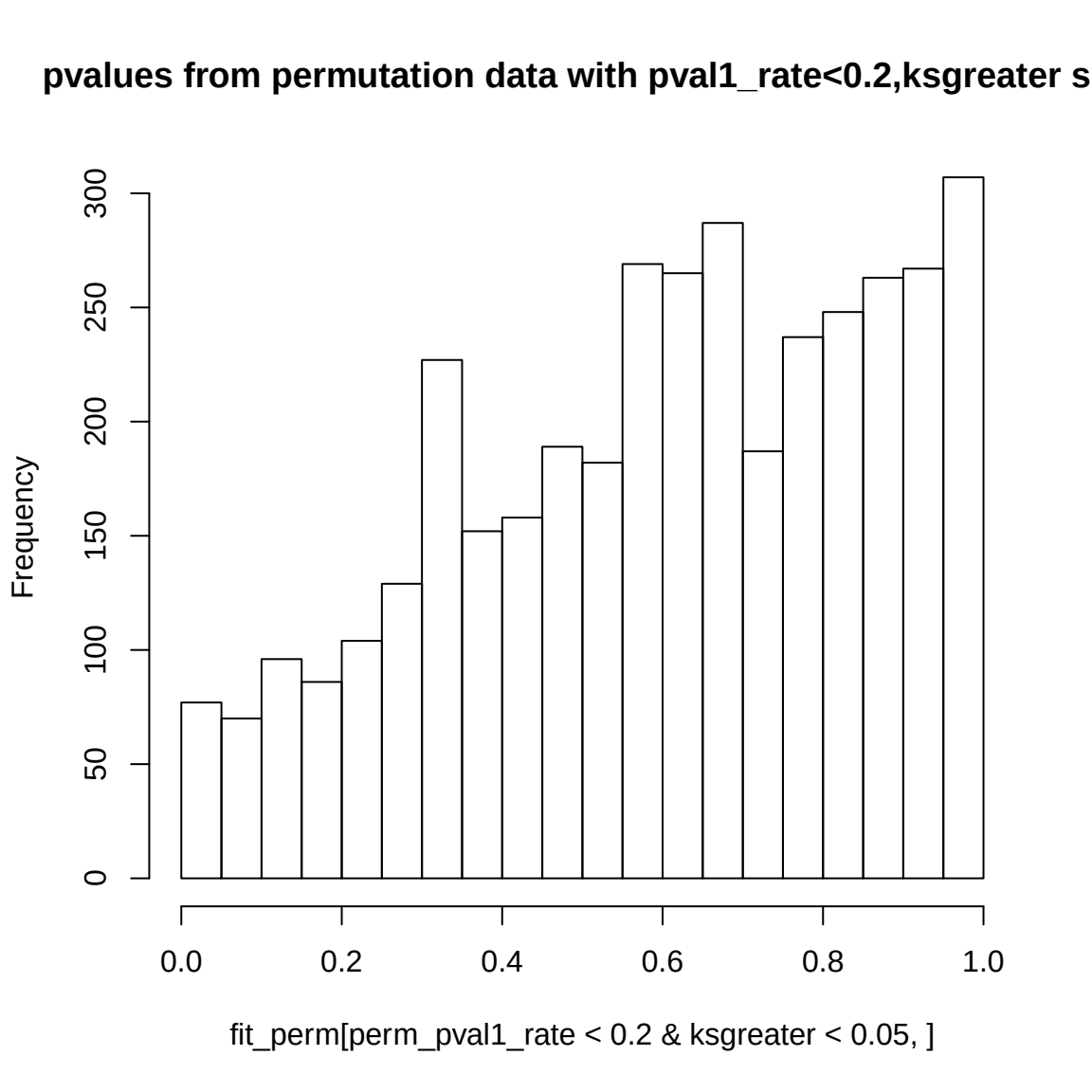

observed pvalues with pval1_rate<0.2,ks no sig
Frequency
0
10
20
30
40
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater >= 0.05 & ksless > 0.05]

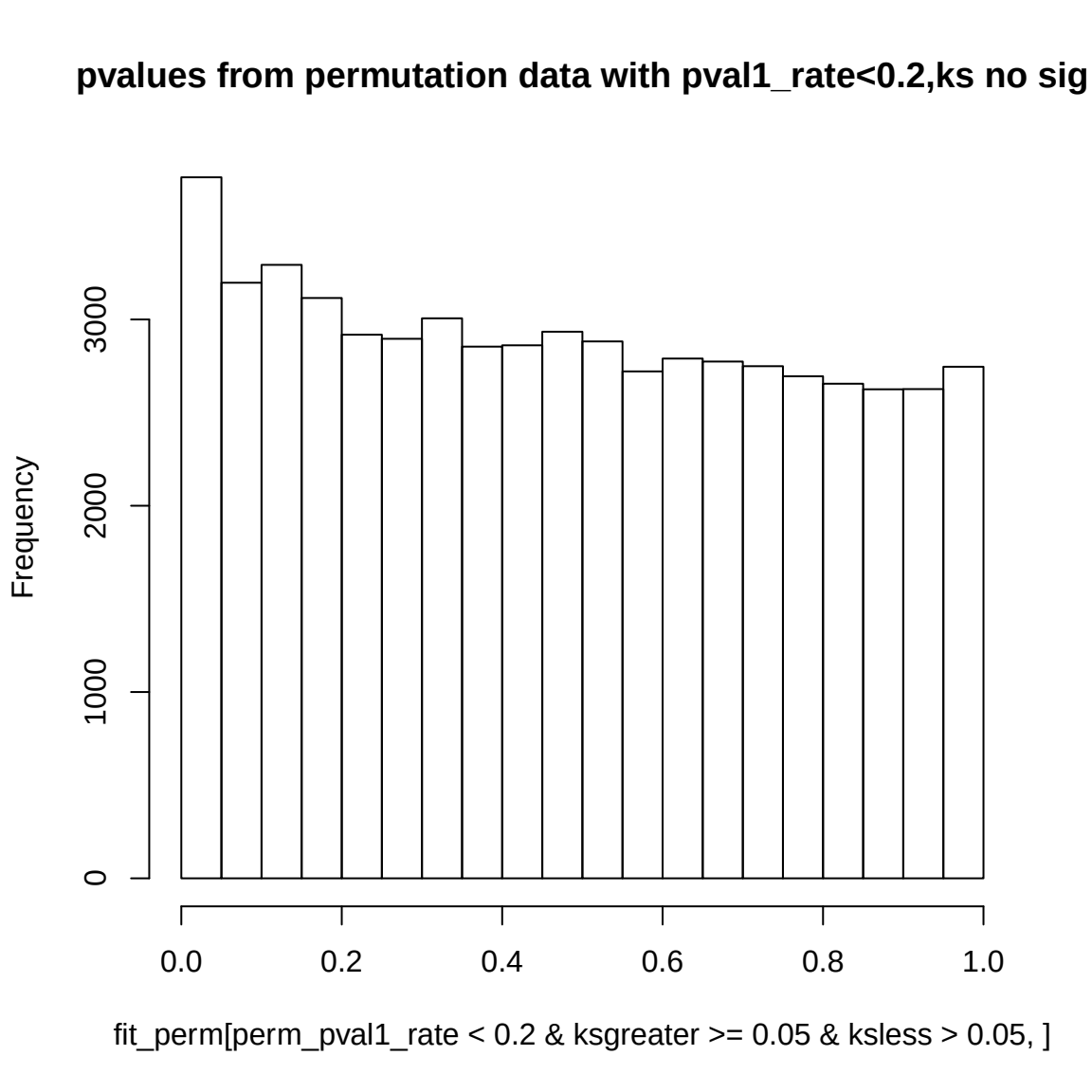

permutation pvalues with pval1_rate<0.2,ksless sig
Frequency
0
5
10
15
20
25
30
35
0.0
0.2
0.4
0.6
0.8
1.0
rawp[perm_pval1_rate < 0.2 & ksless < 0.05]


permutation pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
1
2
3
4
5
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
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
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, ]