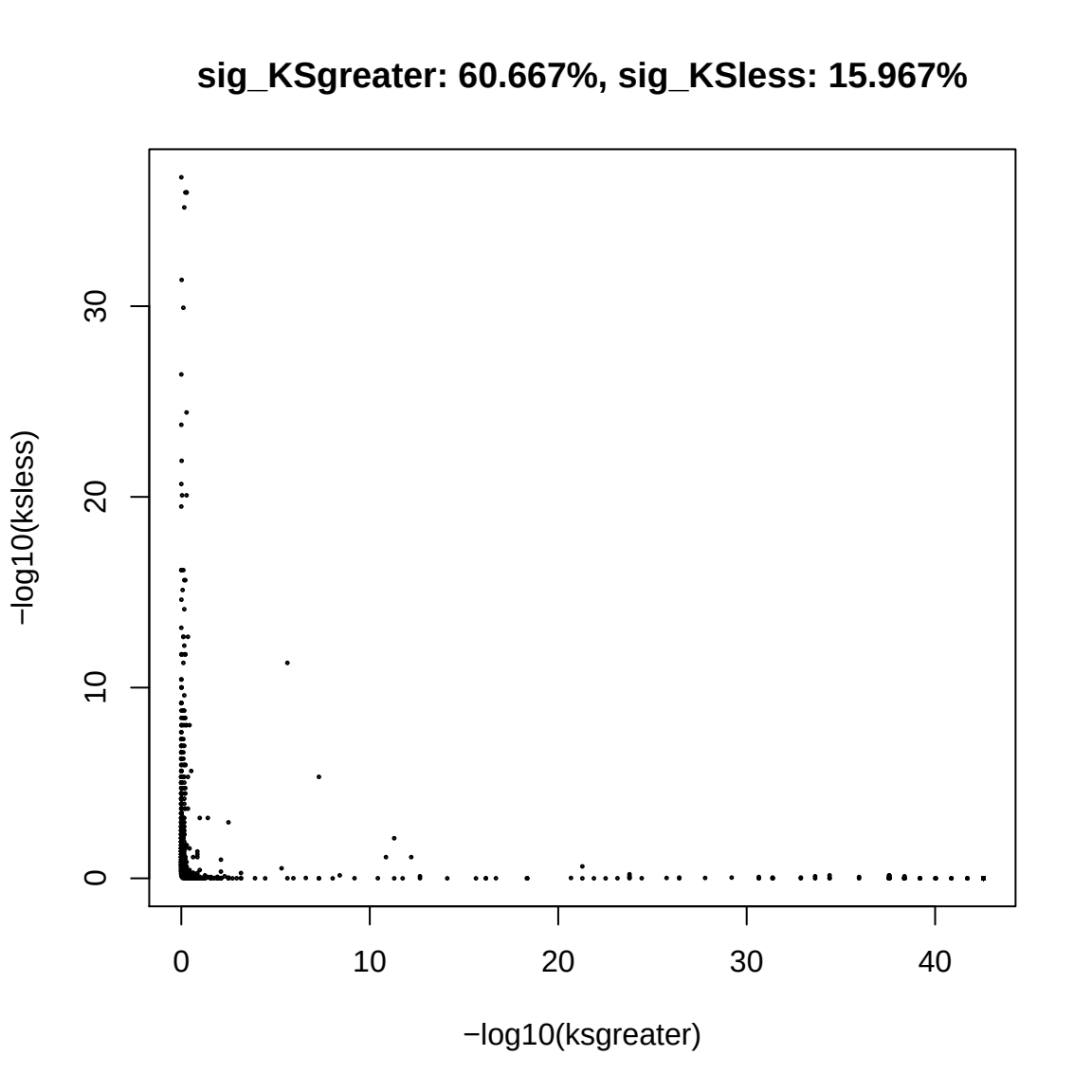
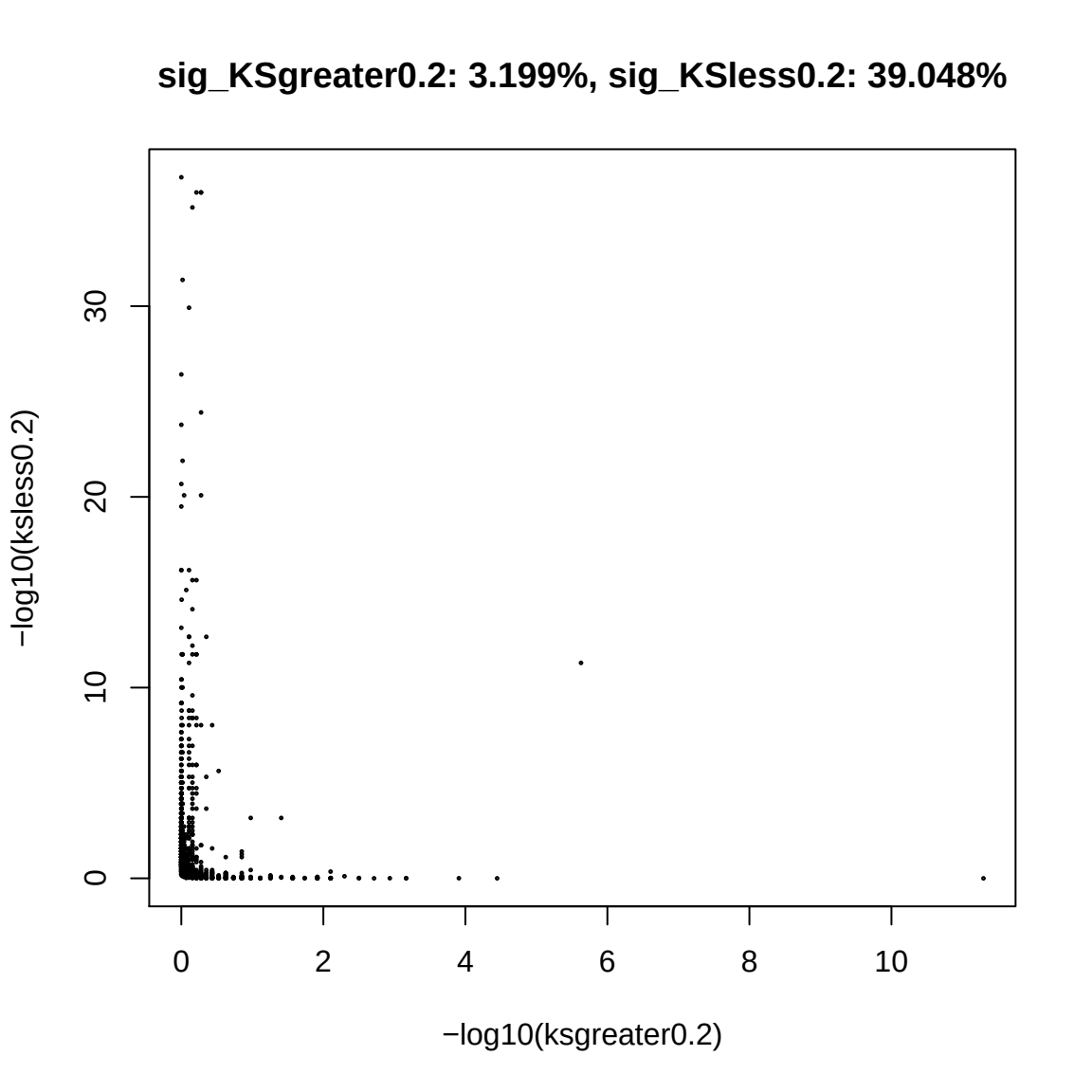
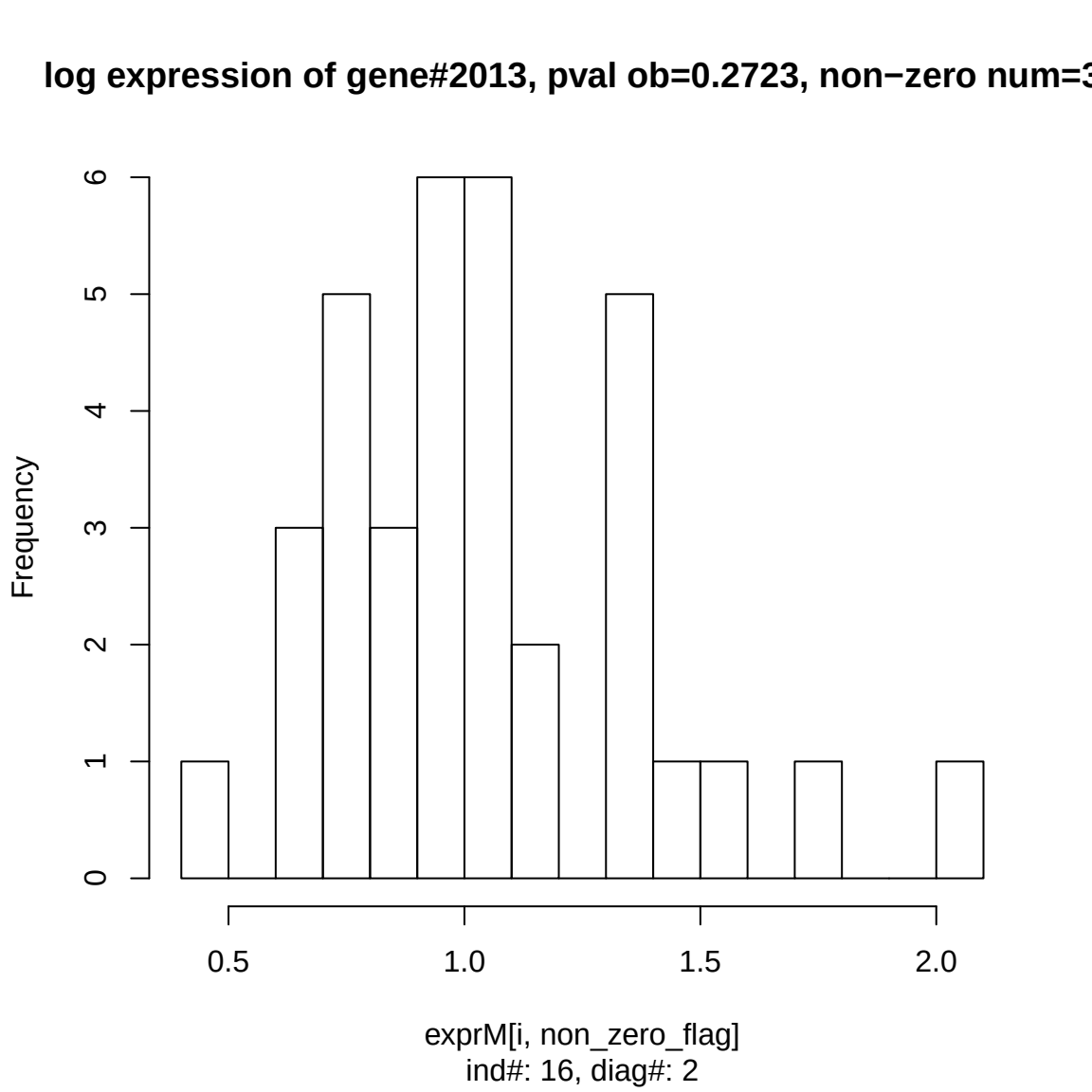
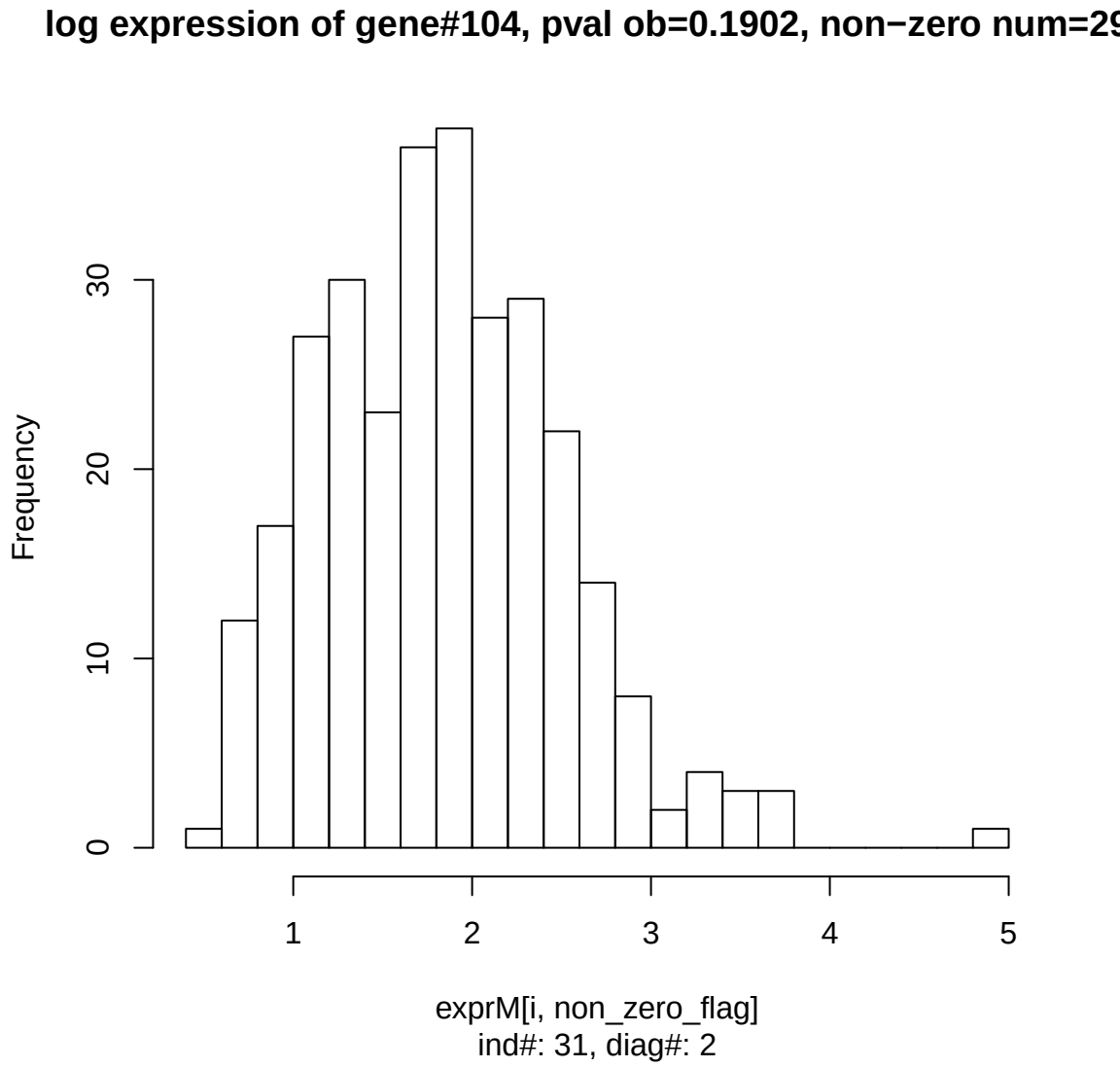
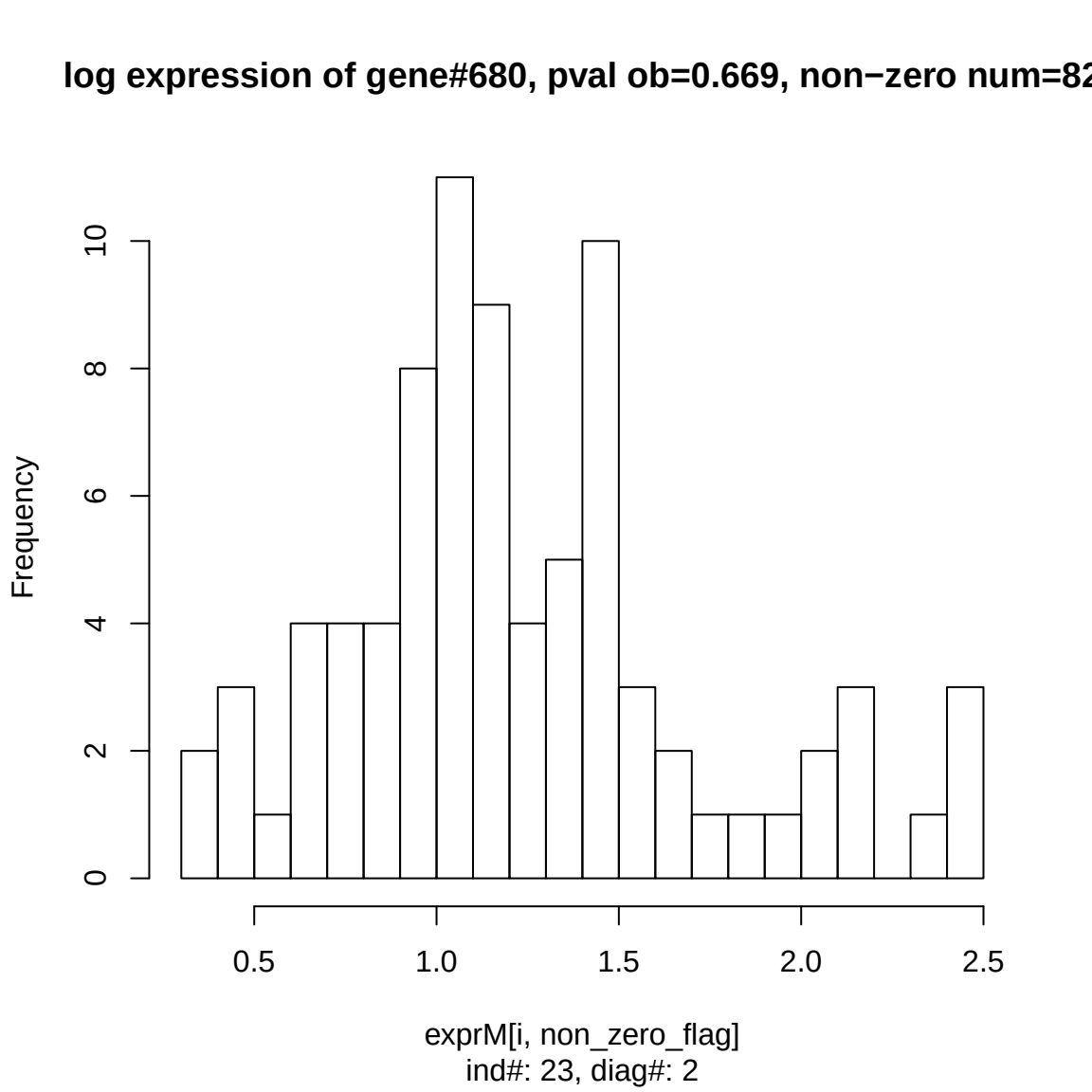
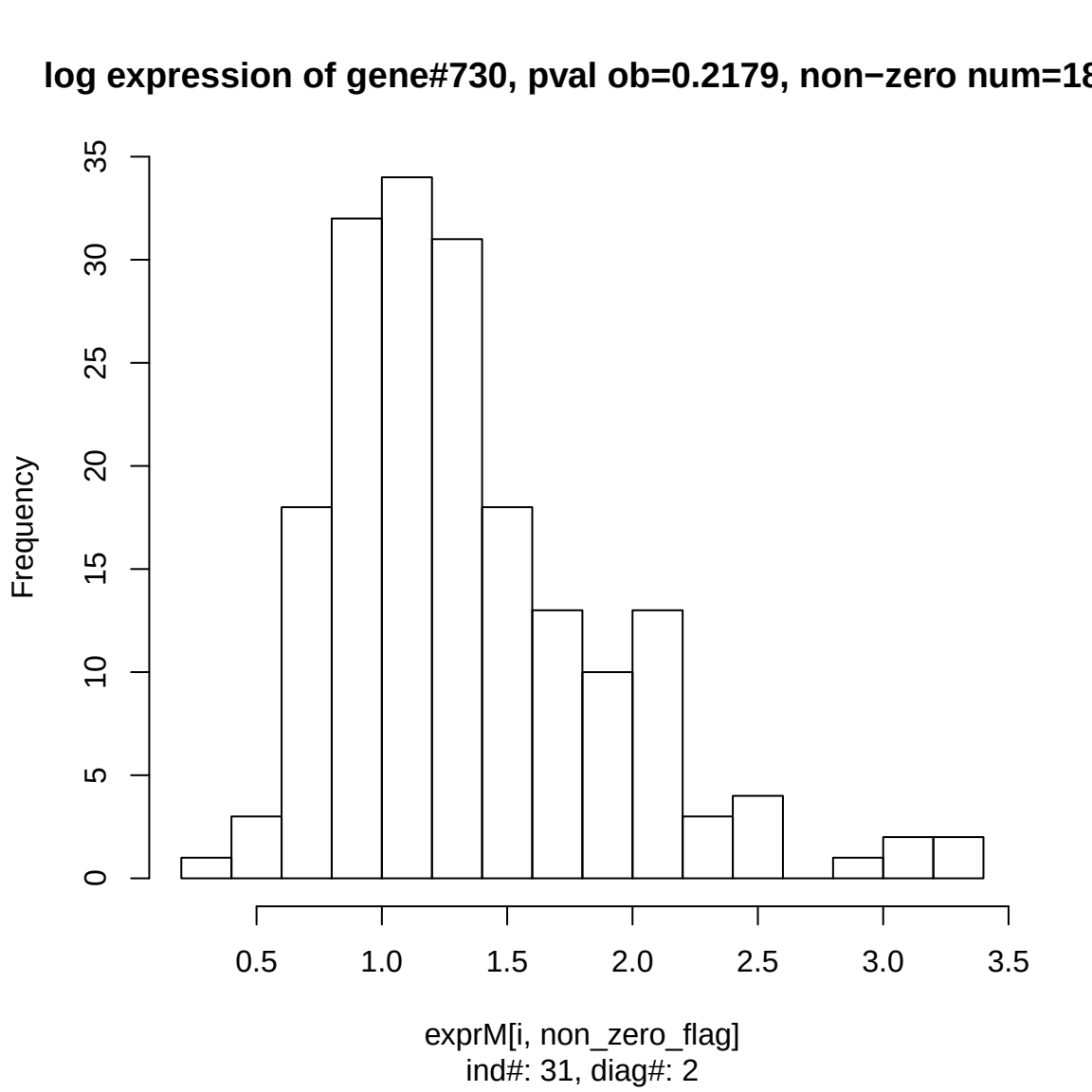

sig_KSgreater: 60.667%, sig_KSless: 15.967%
−log10(ksless)
0
10
20
30
0
10
20
30
40
−log10(ksgreater)

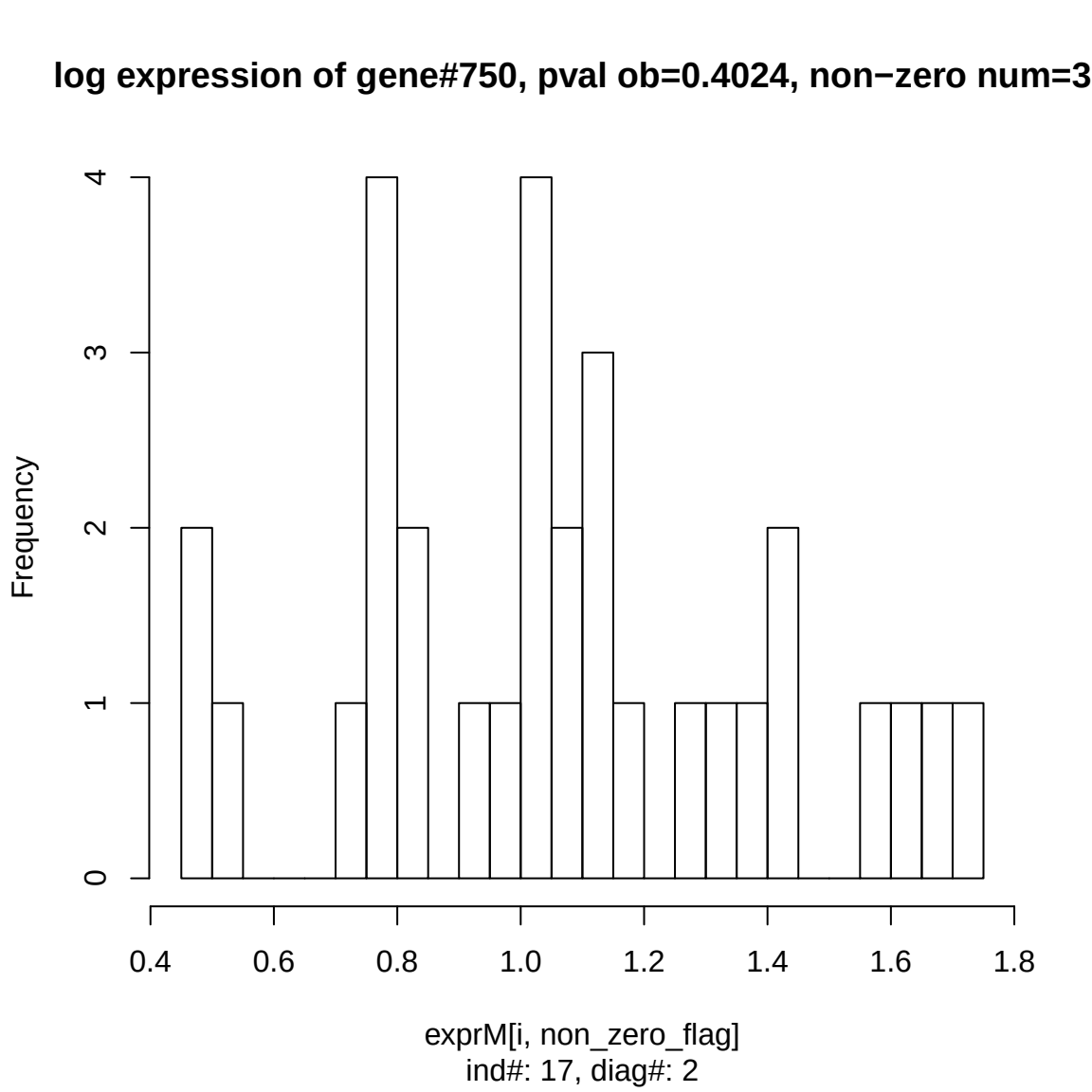

sig_KSgreater0.2: 3.199%, sig_KSless0.2: 39.048%
−log10(ksless0.2)
0
10
20
30
0
2
4
6
8
10
−log10(ksgreater0.2)

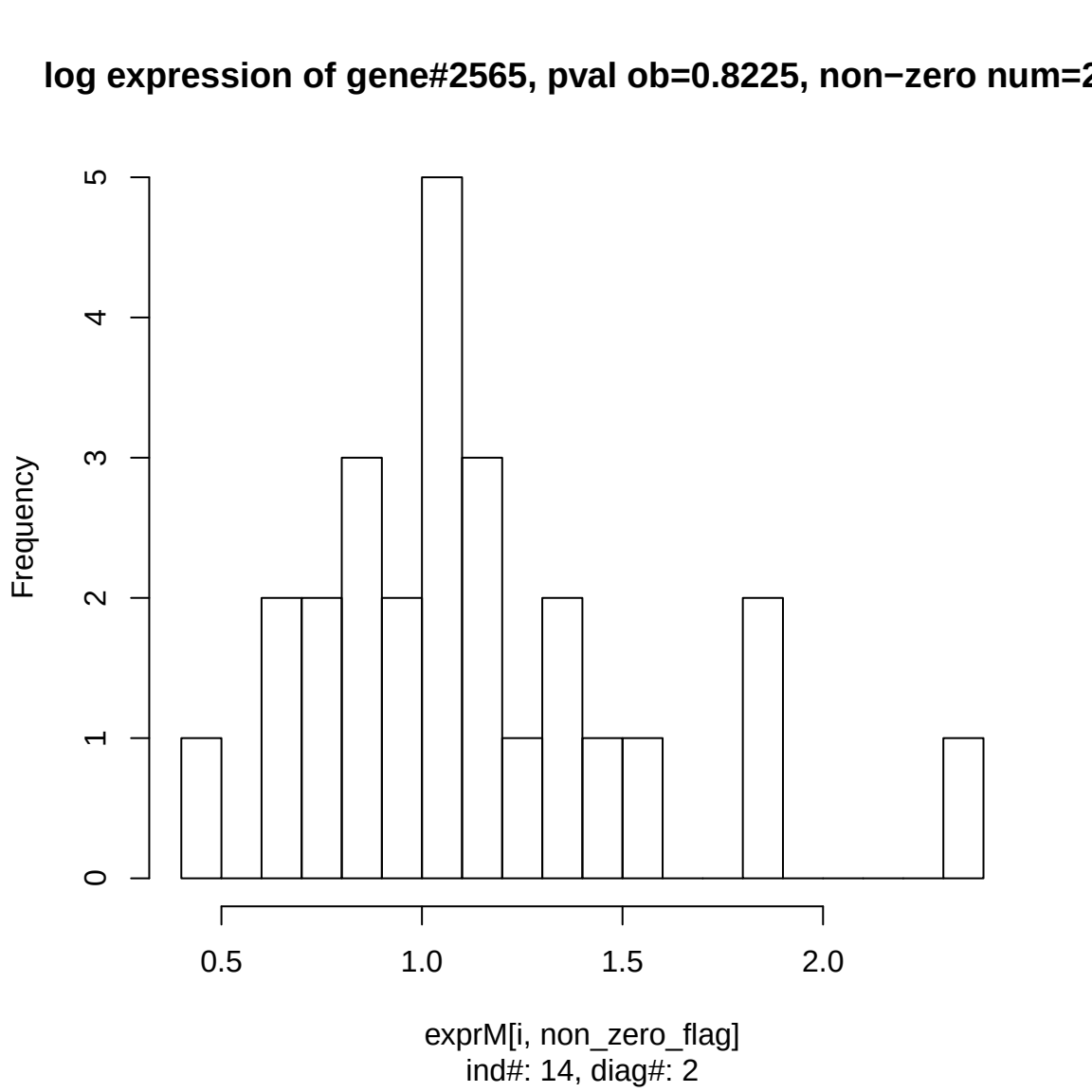

log expression of gene#2013, pval ob=0.2723, non−zero num=3
Frequency
0
1
2
3
4
5
6
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 16, diag#: 2

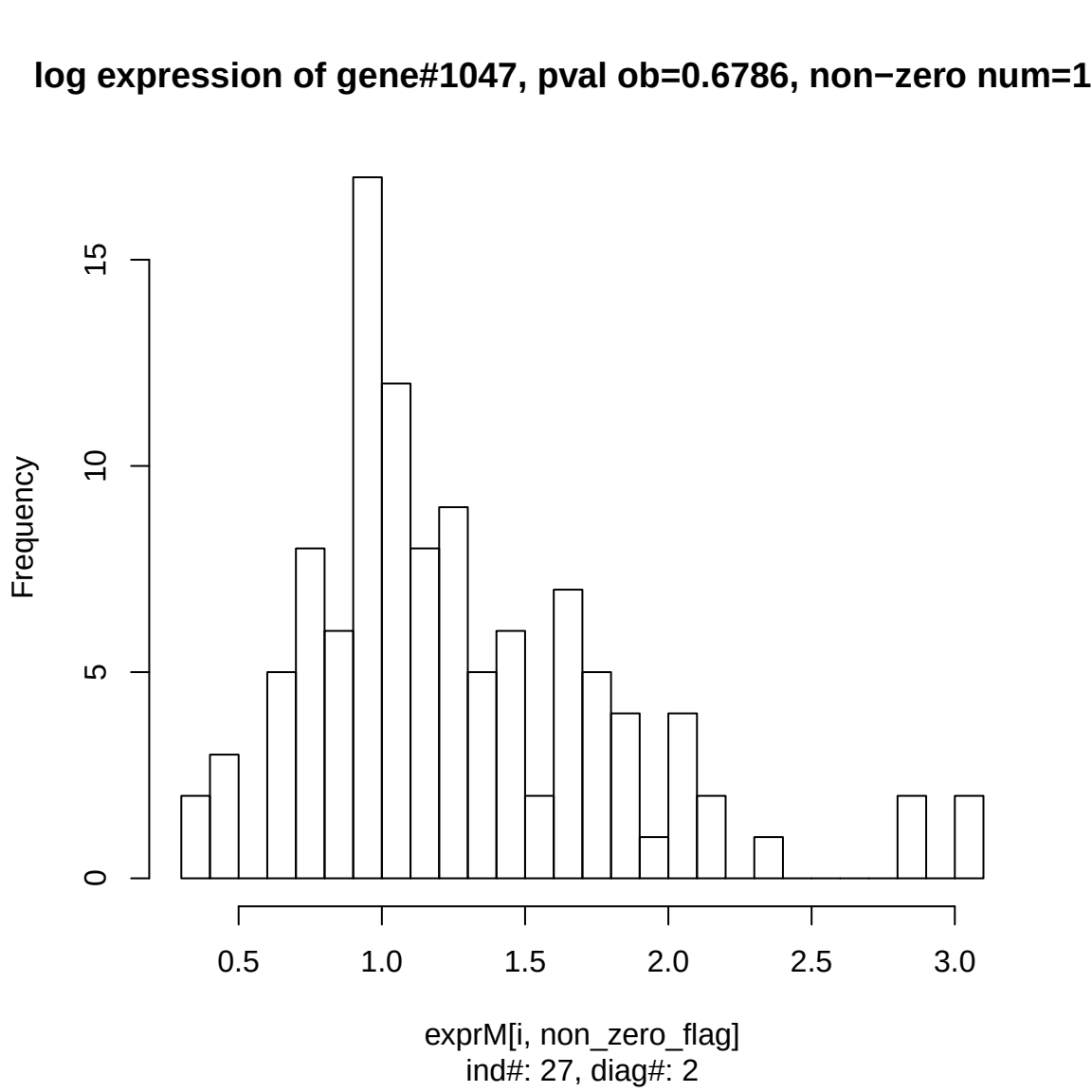

log expression of gene#104, pval ob=0.1902, non−zero num=29
Frequency
0
10
20
30
1
2
3
4
5
exprM[i, non_zero_flag]
ind#: 31, diag#: 2

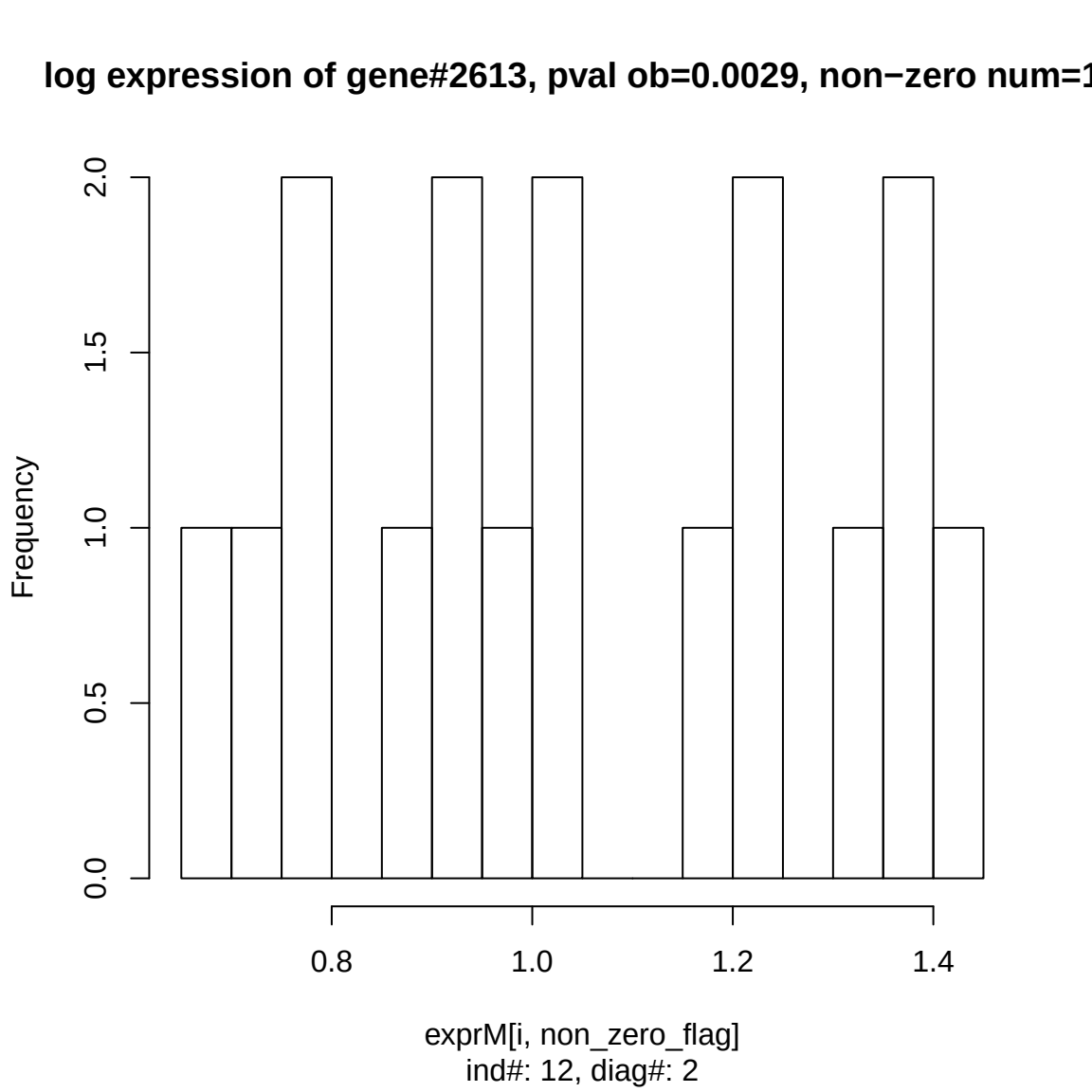

log expression of gene#680, pval ob=0.669, non−zero num=82
Frequency
0
2
4
6
8
10
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 23, diag#: 2

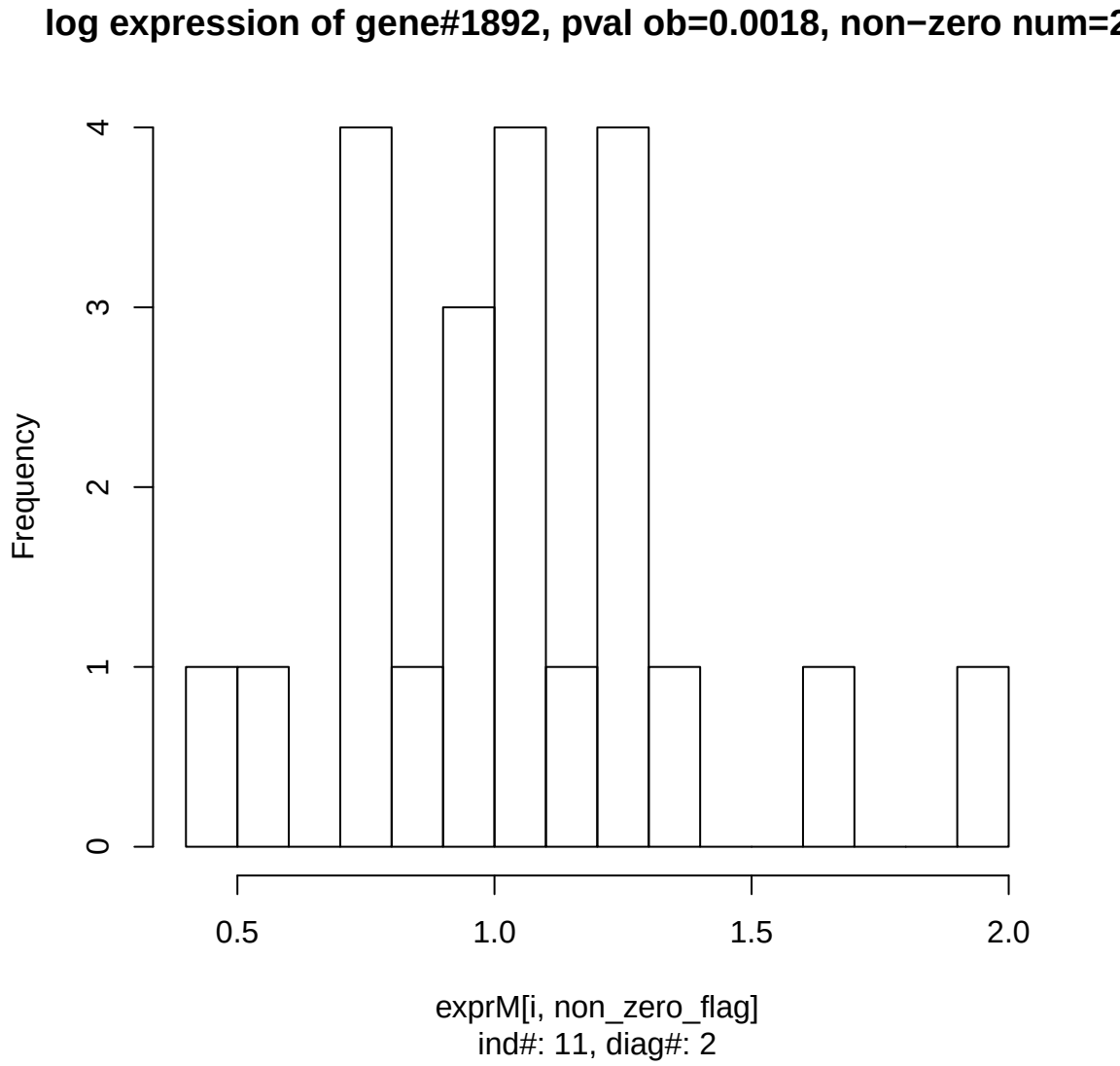

log expression of gene#730, pval ob=0.2179, non−zero num=18
Frequency
0
5
10
15
20
25
30
35
0.5
1.0
1.5
2.0
2.5
3.0
3.5
exprM[i, non_zero_flag]
ind#: 31, diag#: 2

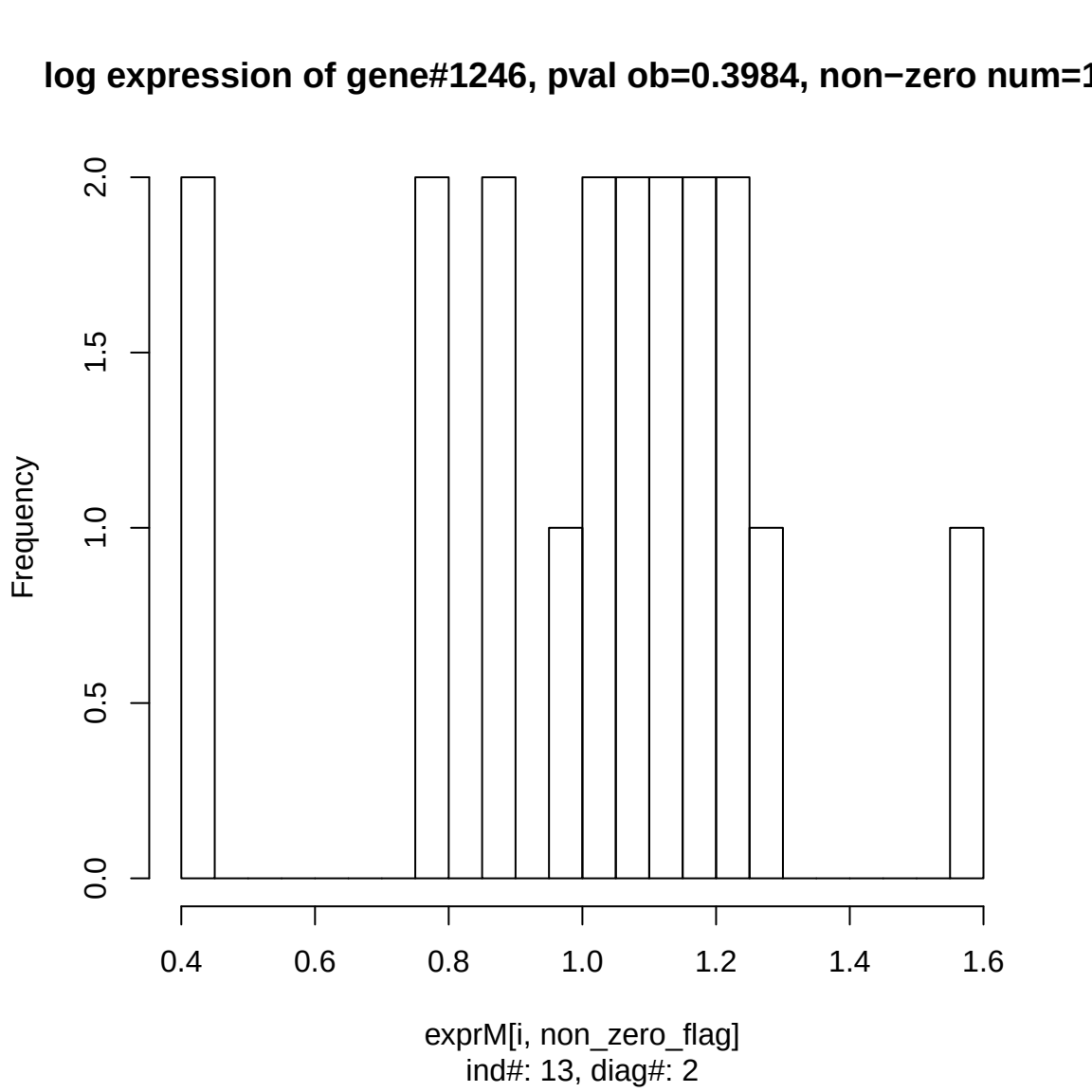

log expression of gene#750, pval ob=0.4024, non−zero num=3
Frequency
0
1
2
3
4
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
exprM[i, non_zero_flag]
ind#: 17, diag#: 2

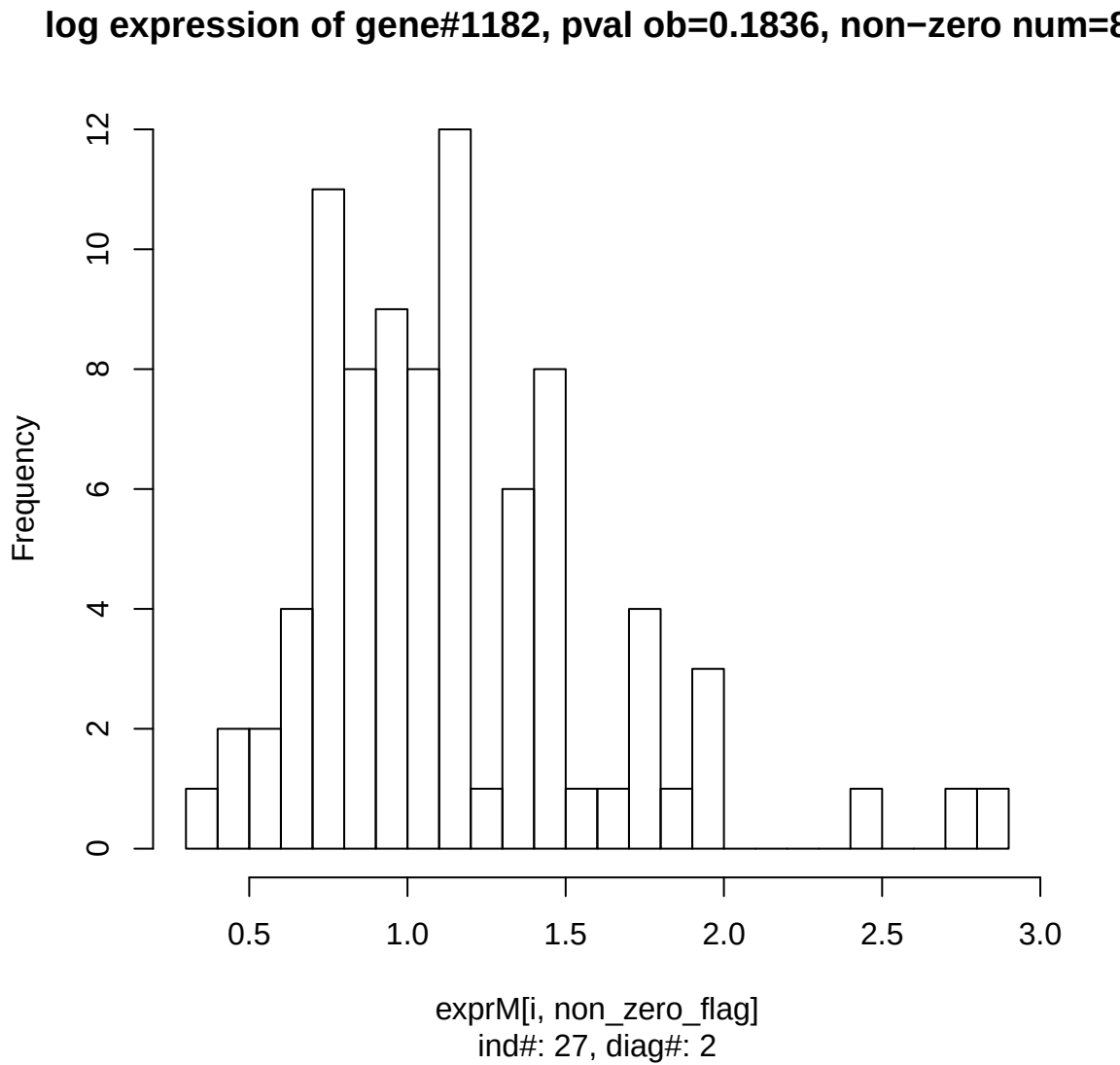

log expression of gene#2565, pval ob=0.8225, non−zero num=2
Frequency
0
1
2
3
4
5
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 14, diag#: 2

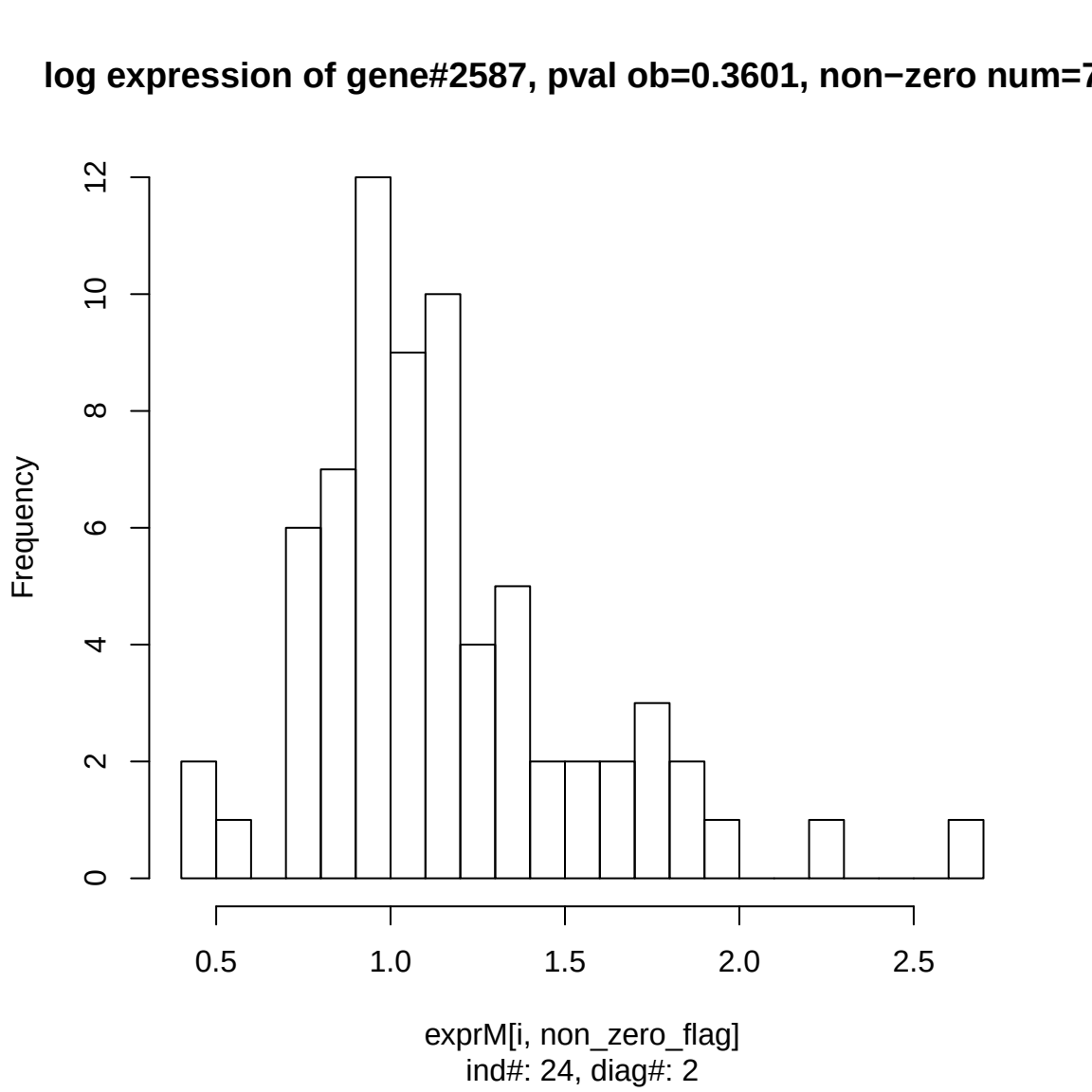

log expression of gene#1047, pval ob=0.6786, non−zero num=1
Frequency
0
5
10
15
0.5
1.0
1.5
2.0
2.5
3.0
exprM[i, non_zero_flag]
ind#: 27, diag#: 2

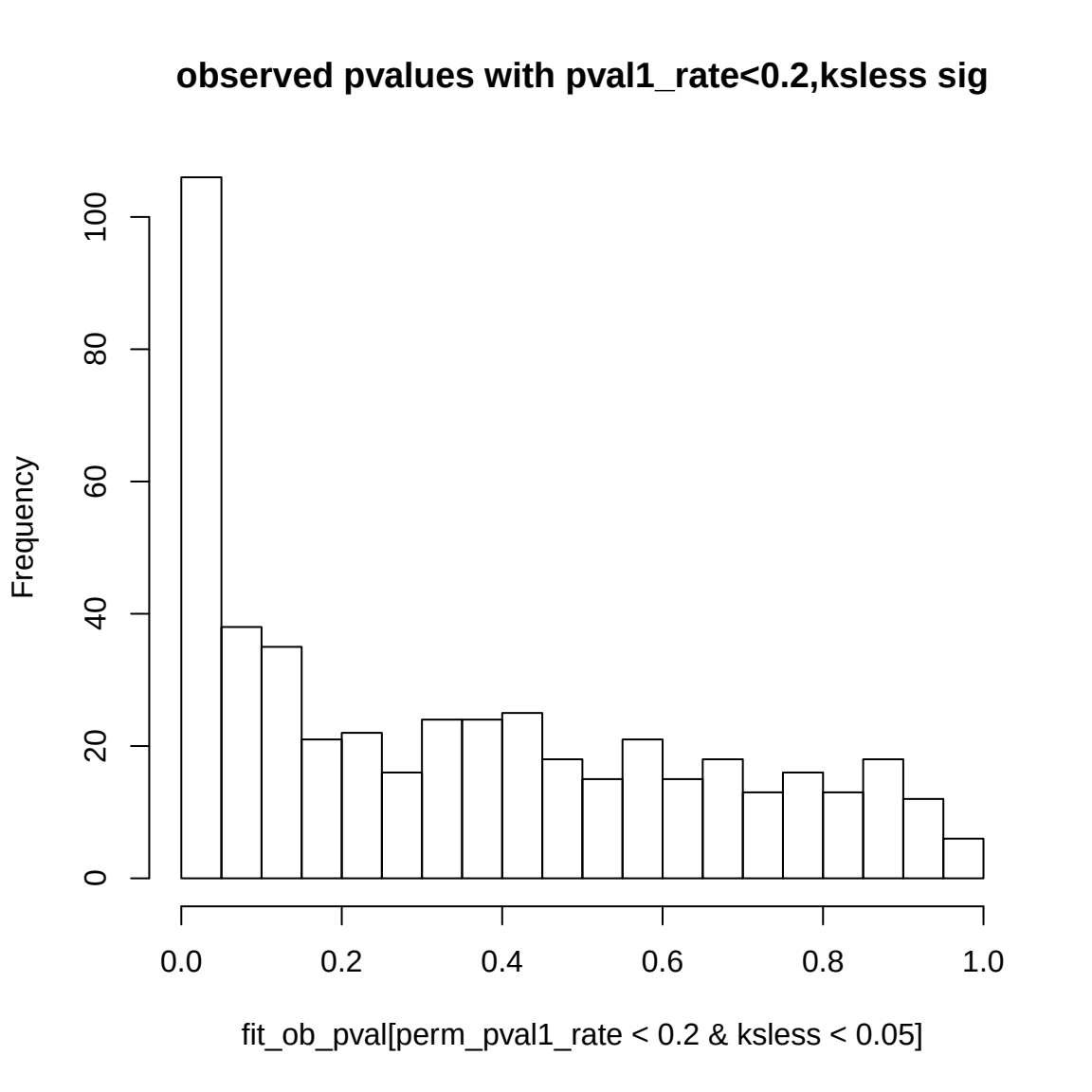

log expression of gene#2613, pval ob=0.0029, non−zero num=1
Frequency
0.0
0.5
1.0
1.5
2.0
0.8
1.0
1.2
1.4
exprM[i, non_zero_flag]
ind#: 12, diag#: 2

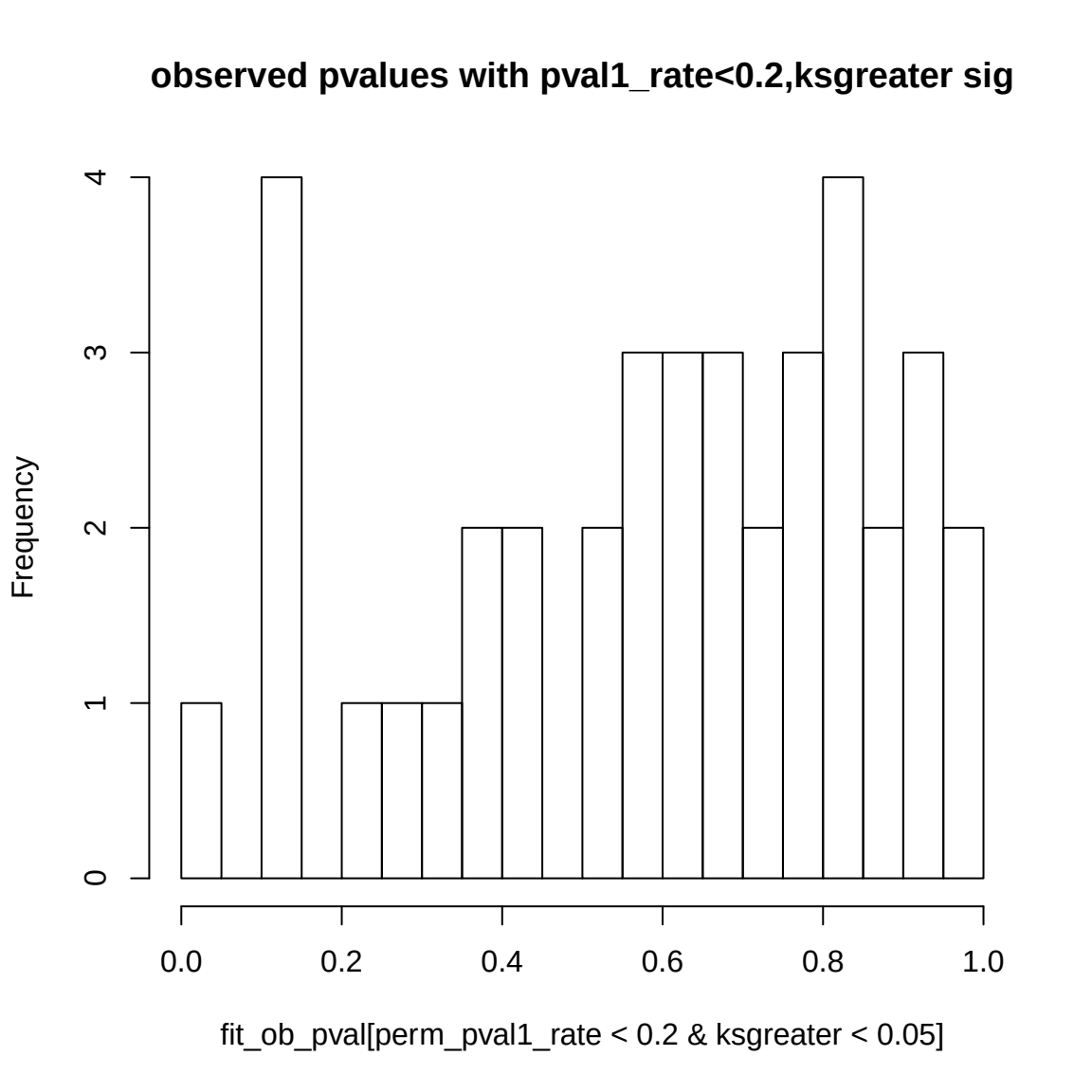

log expression of gene#1892, pval ob=0.0018, non−zero num=2
Frequency
0
1
2
3
4
0.5
1.0
1.5
2.0
exprM[i, non_zero_flag]
ind#: 11, diag#: 2

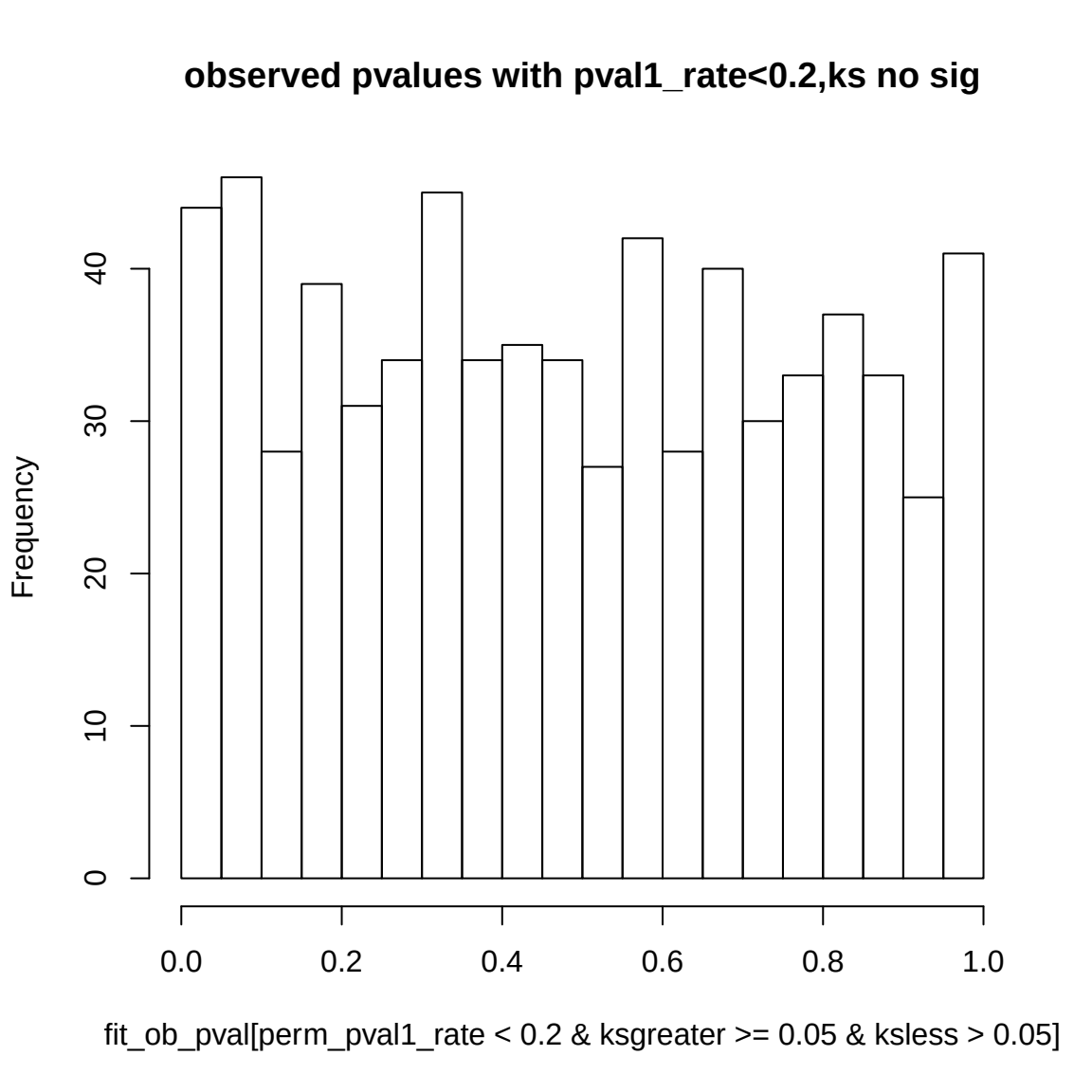

log expression of gene#1246, pval ob=0.3984, non−zero num=1
Frequency
0.0
0.5
1.0
1.5
2.0
0.4
0.6
0.8
1.0
1.2
1.4
1.6
exprM[i, non_zero_flag]
ind#: 13, diag#: 2

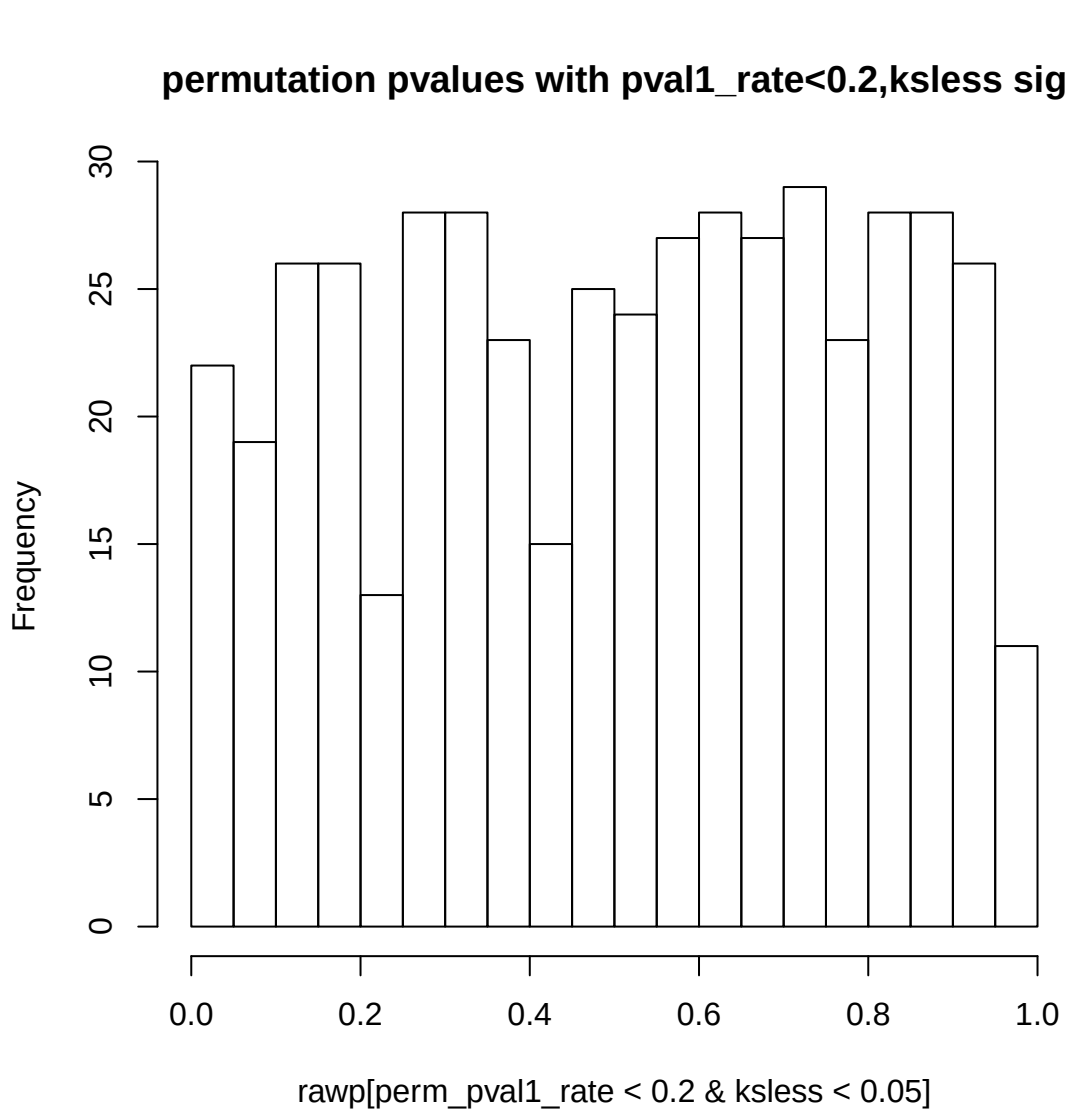

log expression of gene#1182, pval ob=0.1836, non−zero num=8
Frequency
0
2
4
6
8
10
12
0.5
1.0
1.5
2.0
2.5
3.0
exprM[i, non_zero_flag]
ind#: 27, diag#: 2

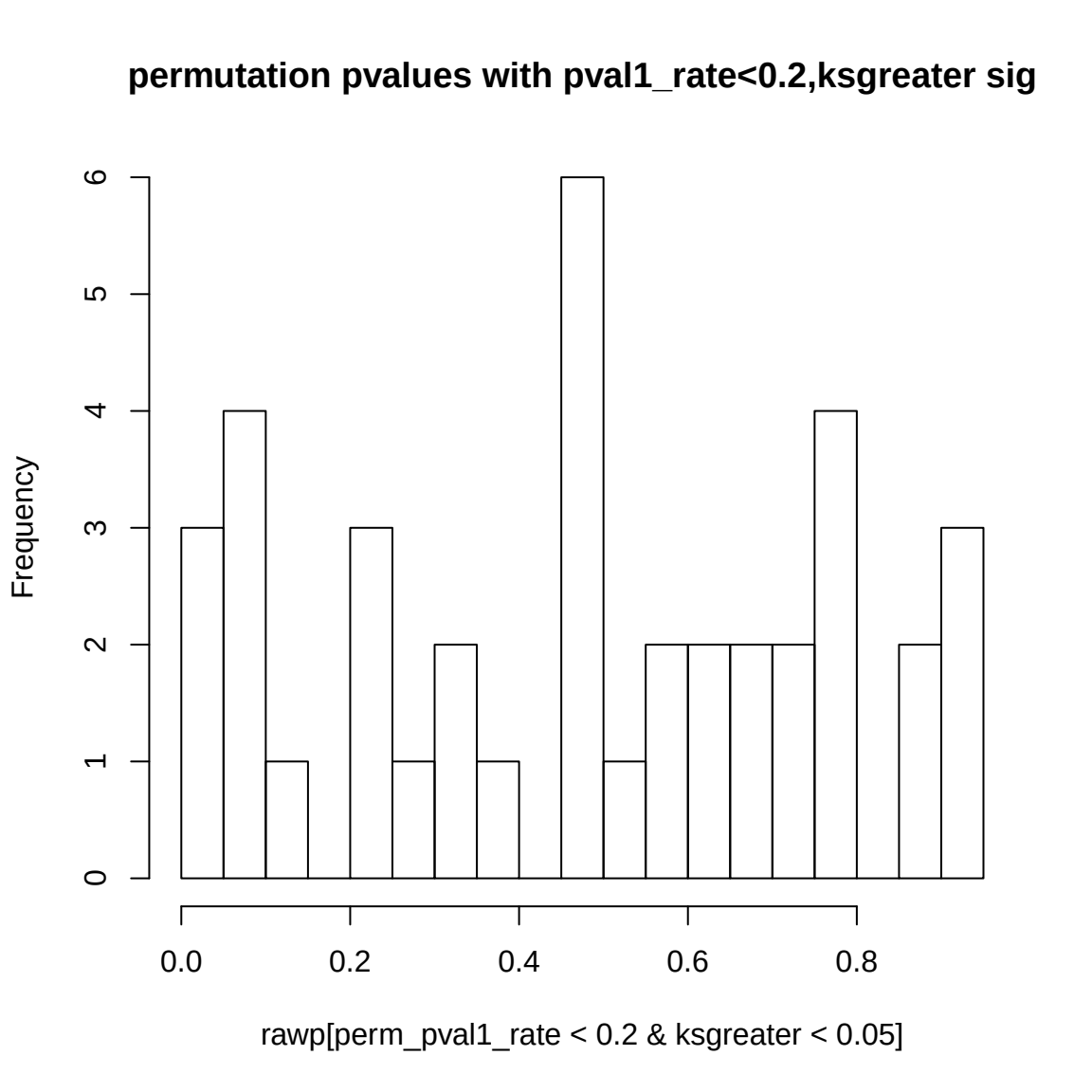

log expression of gene#2587, pval ob=0.3601, non−zero num=7
Frequency
0
2
4
6
8
10
12
0.5
1.0
1.5
2.0
2.5
exprM[i, non_zero_flag]
ind#: 24, diag#: 2

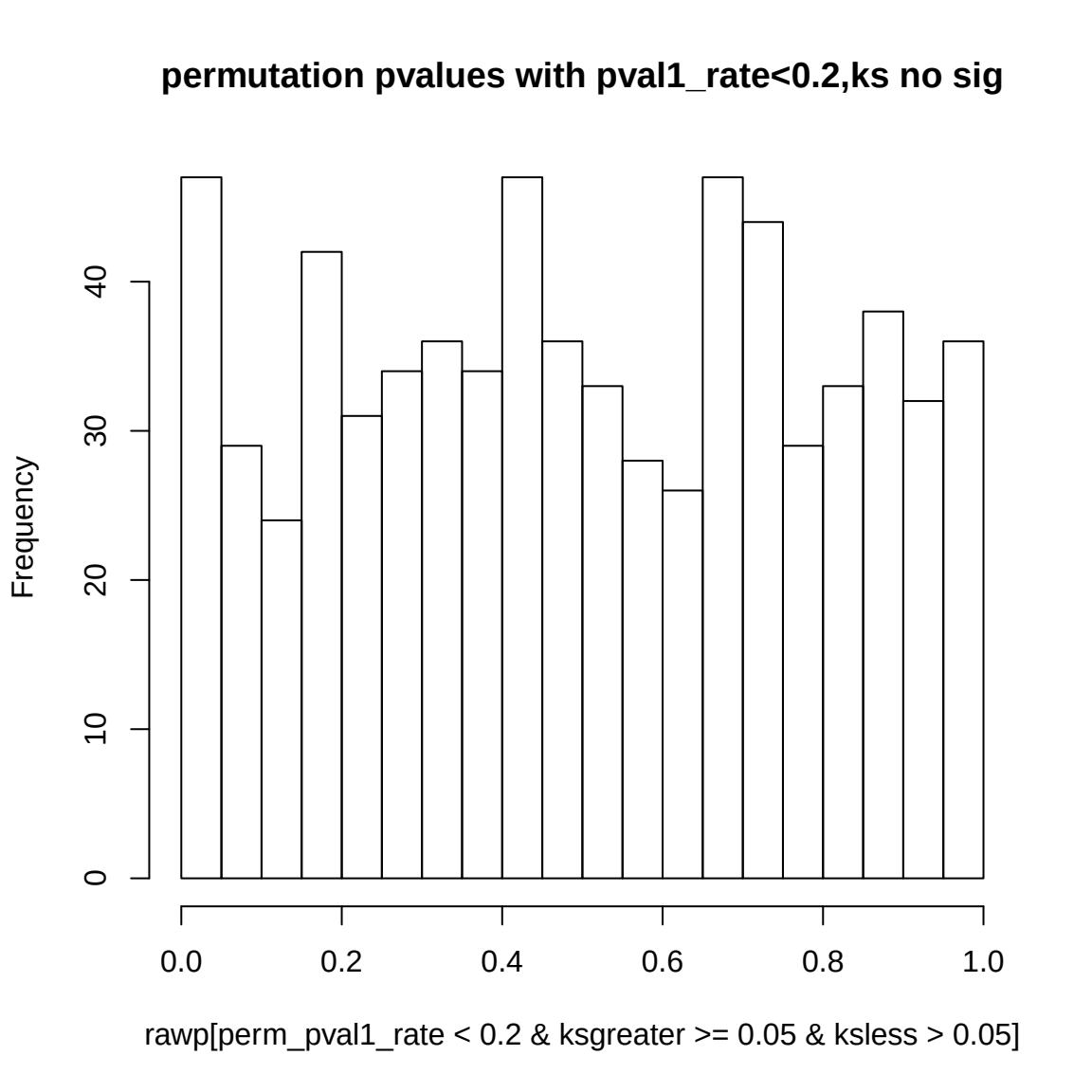

observed pvalues with pval1_rate<0.2,ksless sig
Frequency
0
20
40
60
80
100
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksless < 0.05]

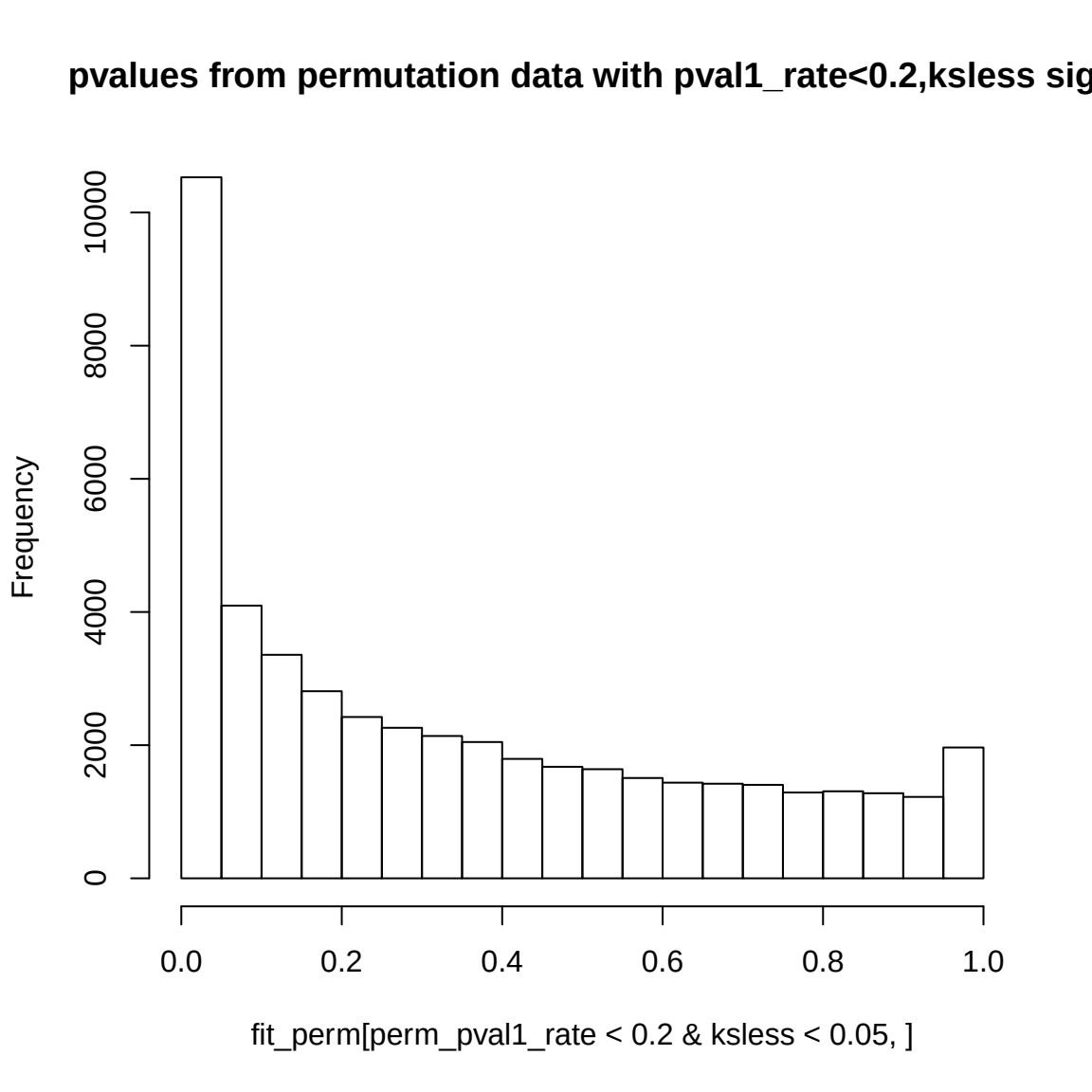

observed pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
1
2
3
4
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater < 0.05]

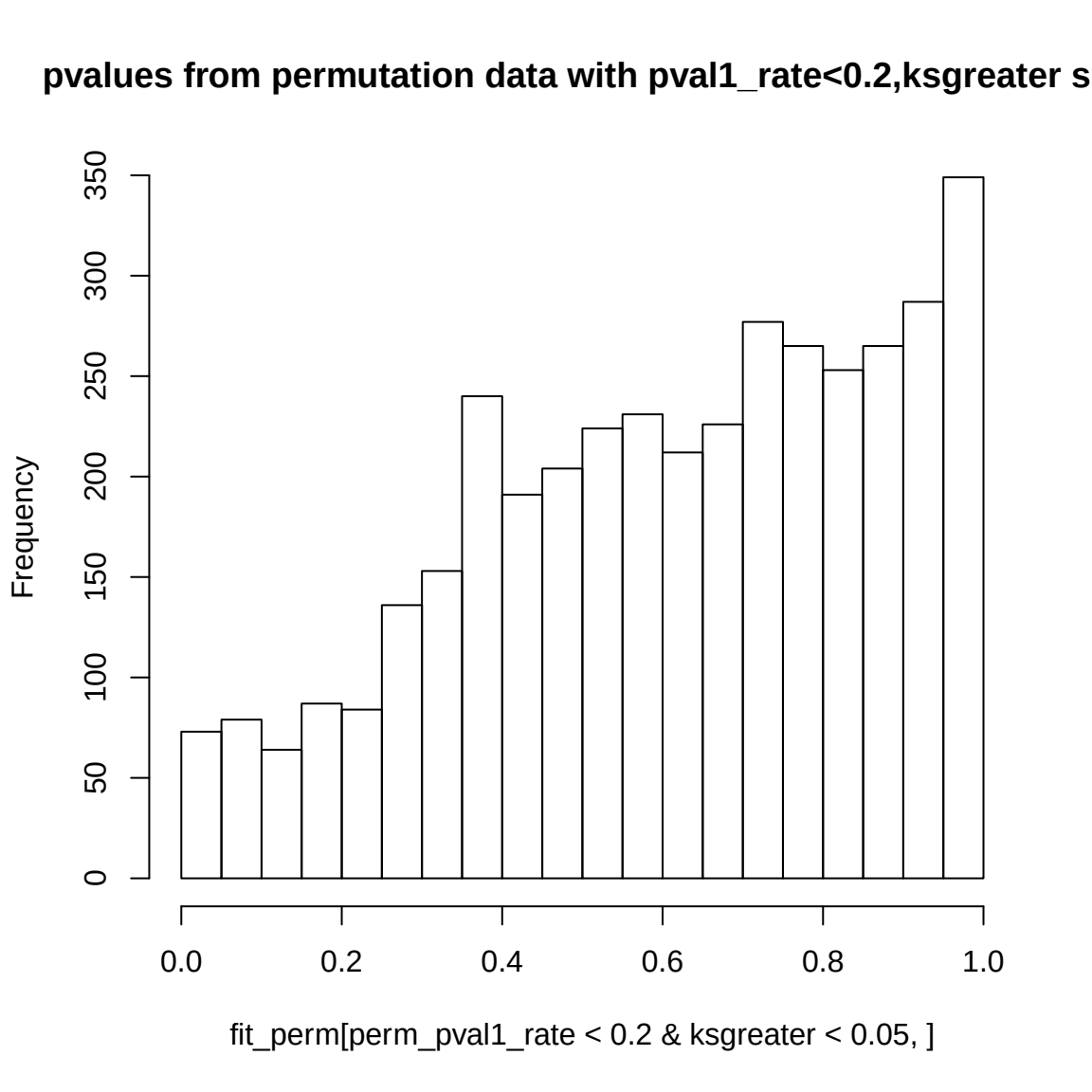

observed pvalues with pval1_rate<0.2,ks no sig
Frequency
0
10
20
30
40
0.0
0.2
0.4
0.6
0.8
1.0
fit_ob_pval[perm_pval1_rate < 0.2 & ksgreater >= 0.05 & ksless > 0.05]

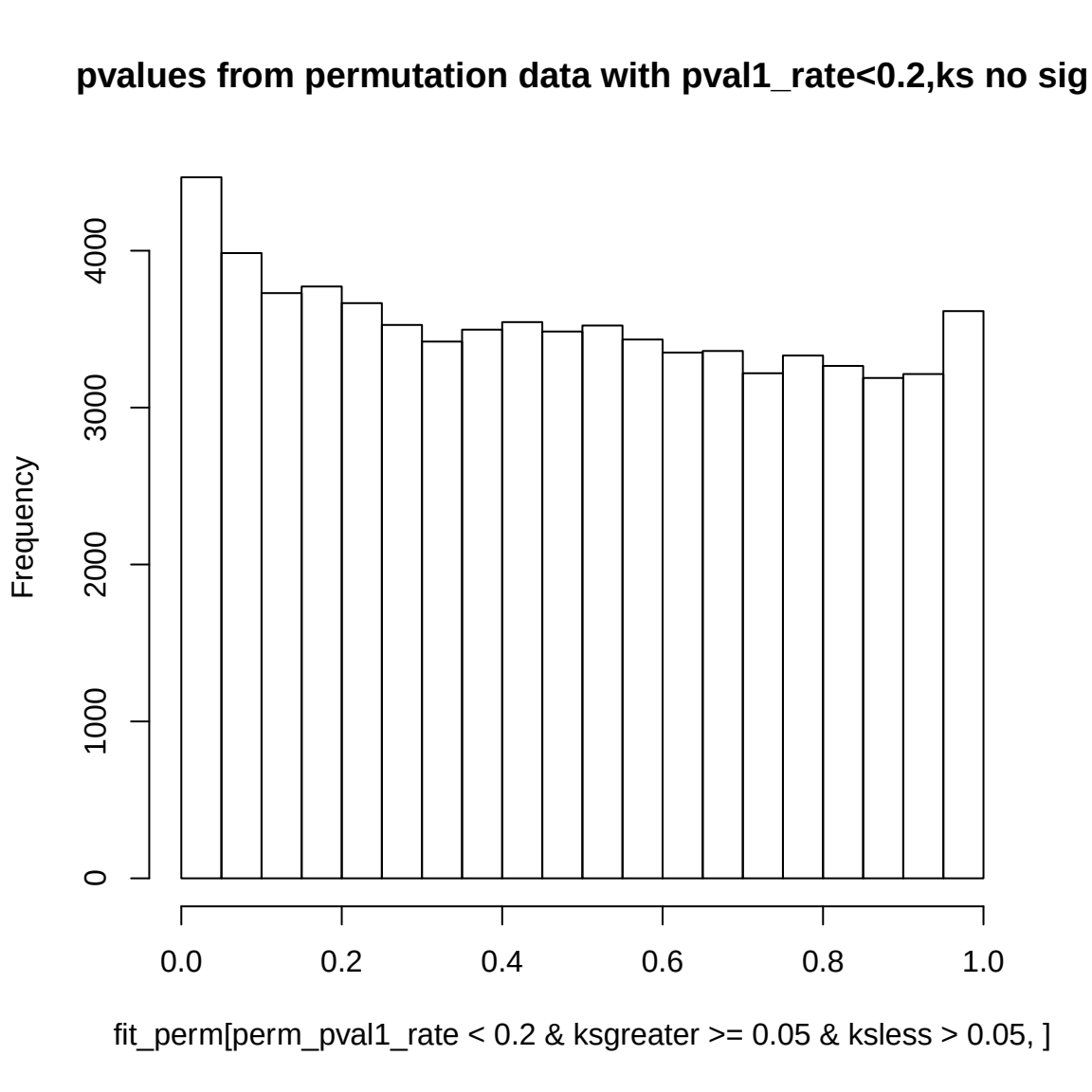

permutation pvalues with pval1_rate<0.2,ksless sig
Frequency
0
5
10
15
20
25
30
0.0
0.2
0.4
0.6
0.8
1.0
rawp[perm_pval1_rate < 0.2 & ksless < 0.05]


permutation pvalues with pval1_rate<0.2,ksgreater sig
Frequency
0
1
2
3
4
5
6
0.0
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
350
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,]