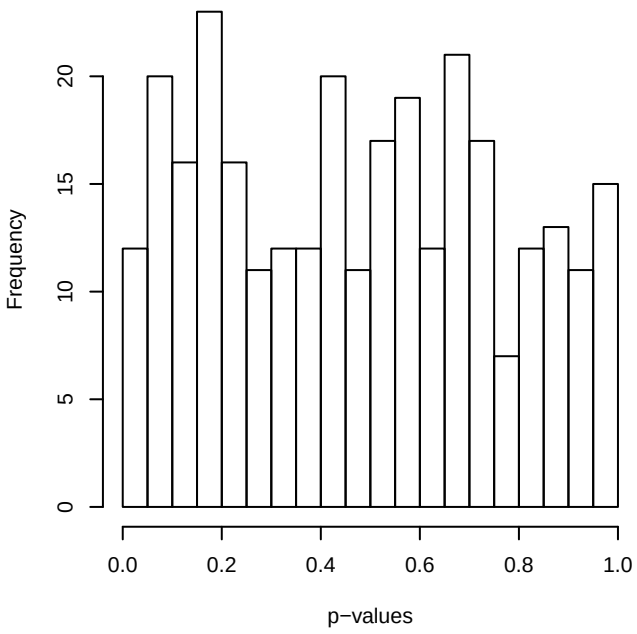
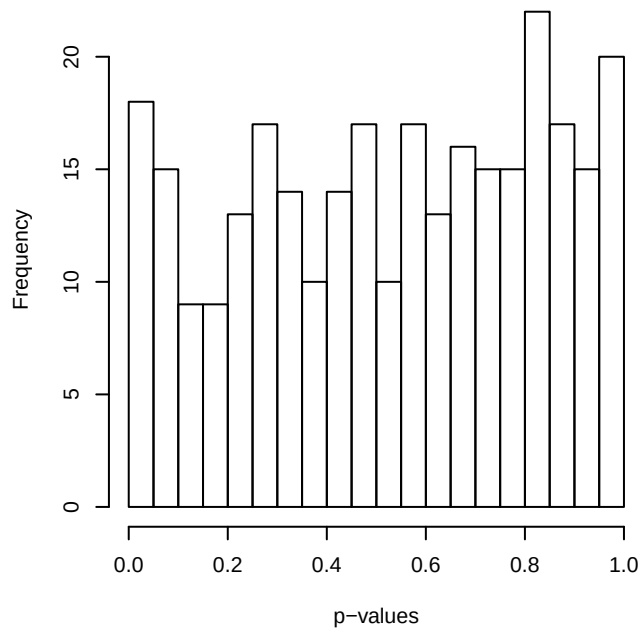
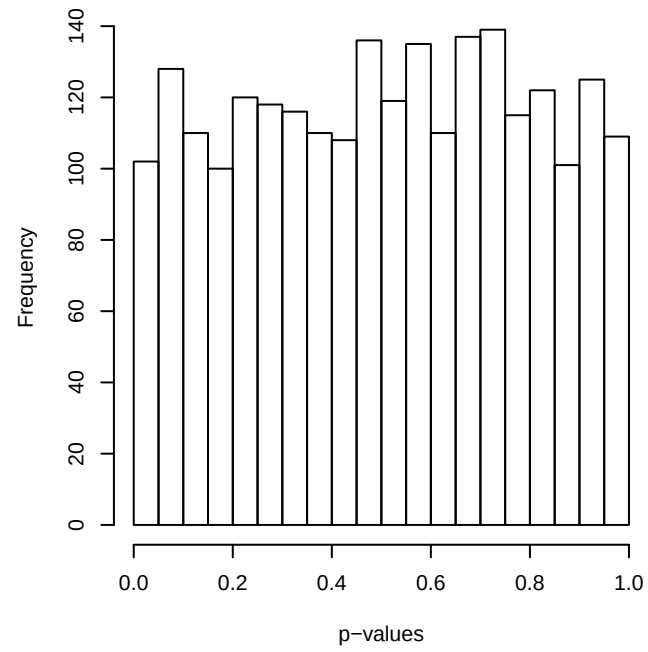
pval of mean−DE genes,jsd_zinb method



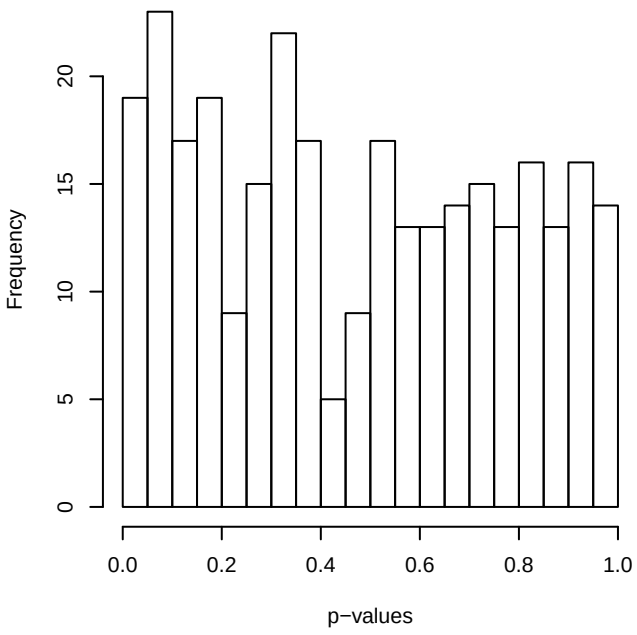
pval of var−DE genes,jsd_zinb method



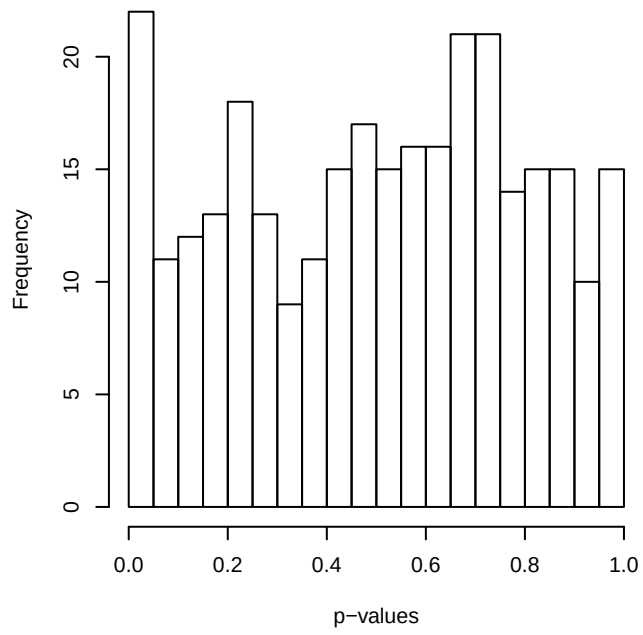
pval of non−DE genes,jsd_zinb method



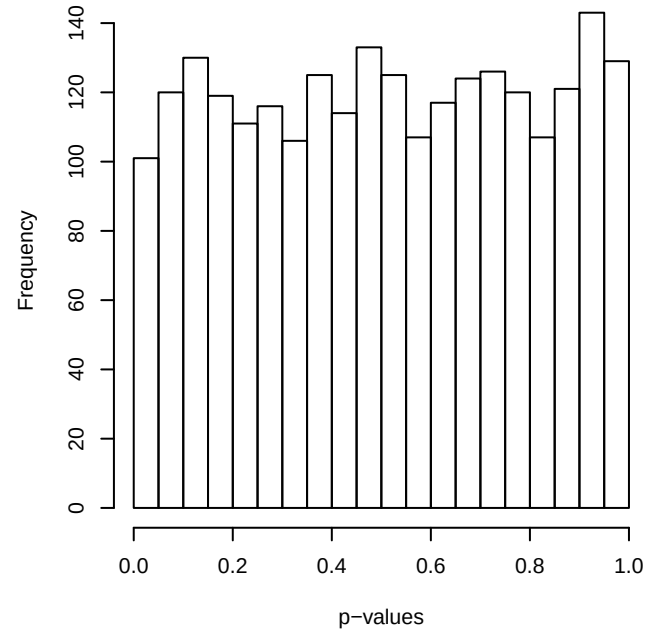
pval of mean−DE genes,jsd_empirical method



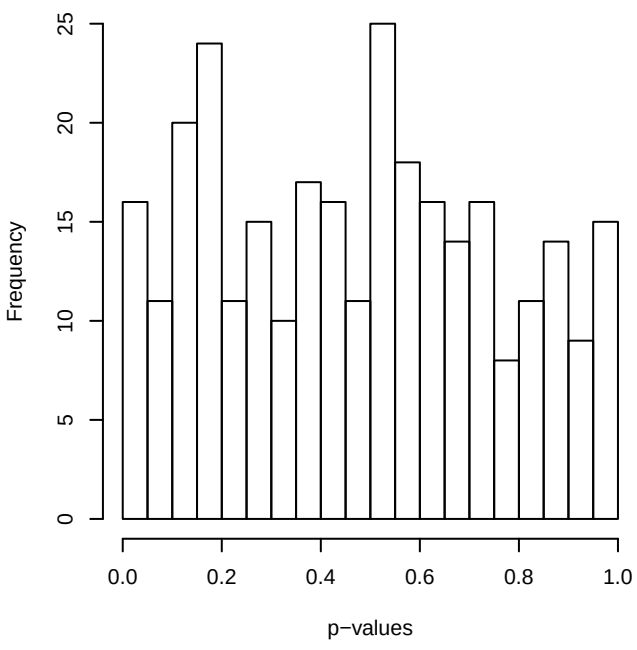
pval of var−DE genes,jsd_empirical method



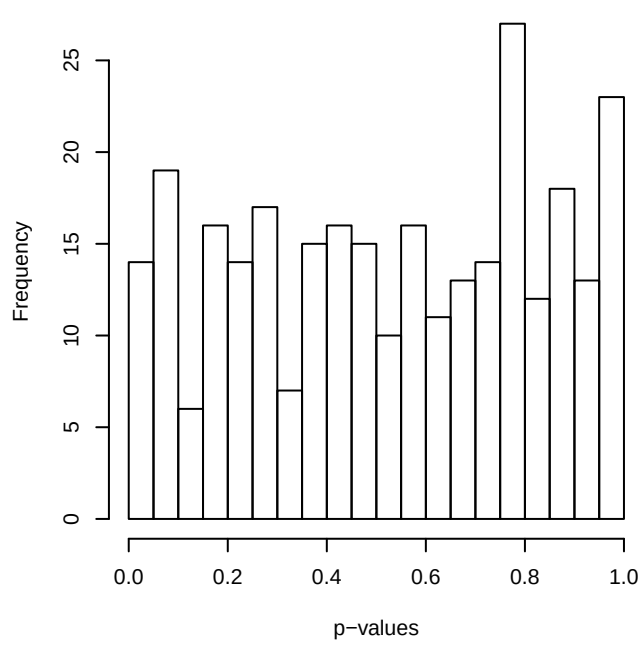
pval of non−DE genes,jsd_empirical method



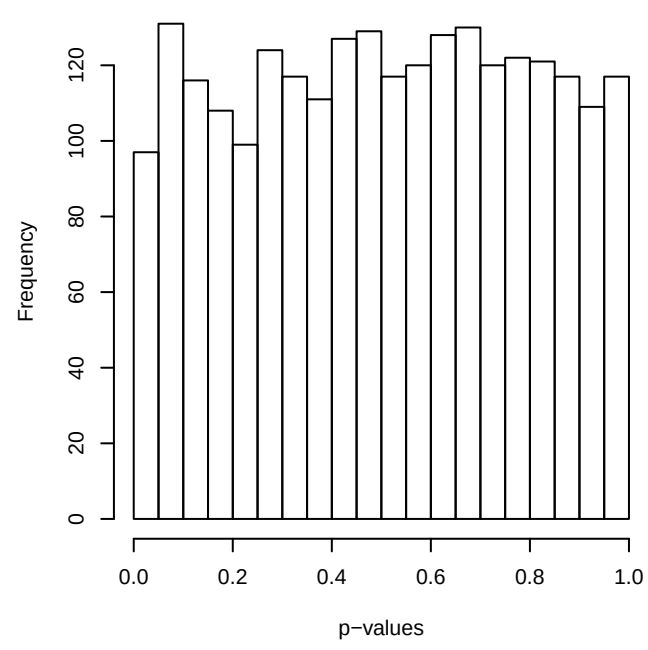
pval of mean−DE genes,klmean_zinb method



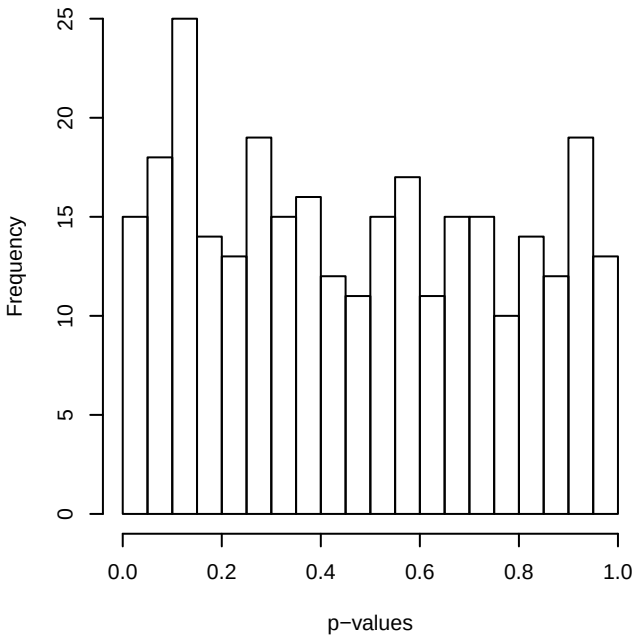
pval of var−DE genes,klmean_zinb method



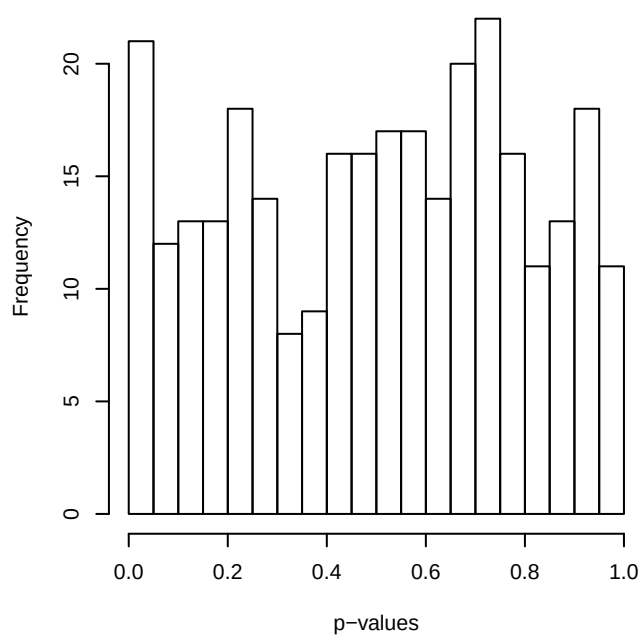
pval of non−DE genes,klmean_zinb method



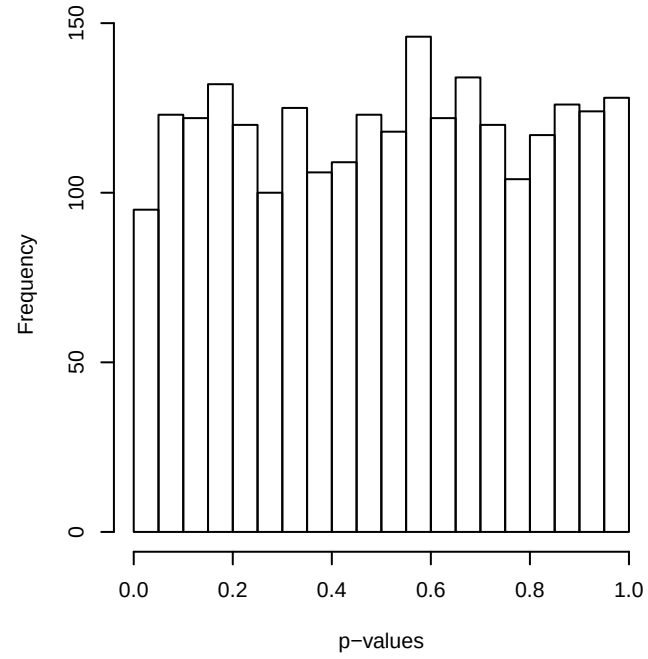
pval of mean−DE genes,klmean_empirical method

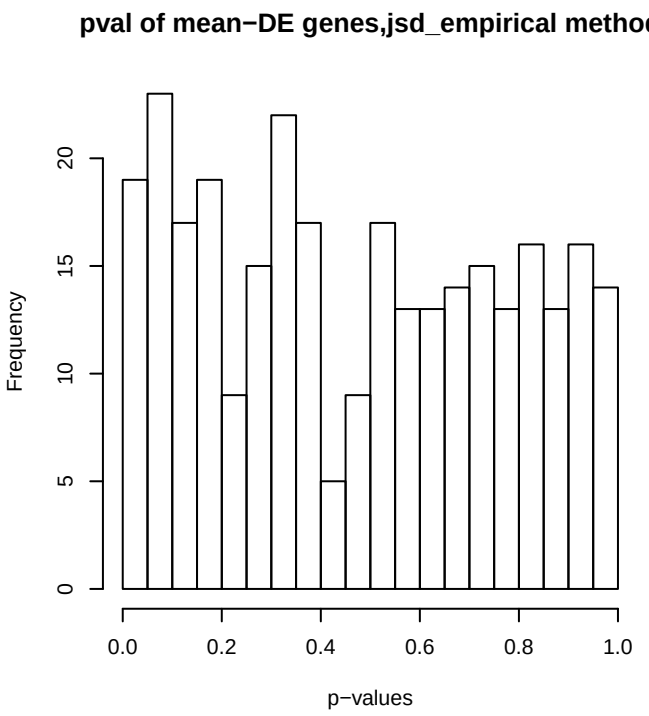


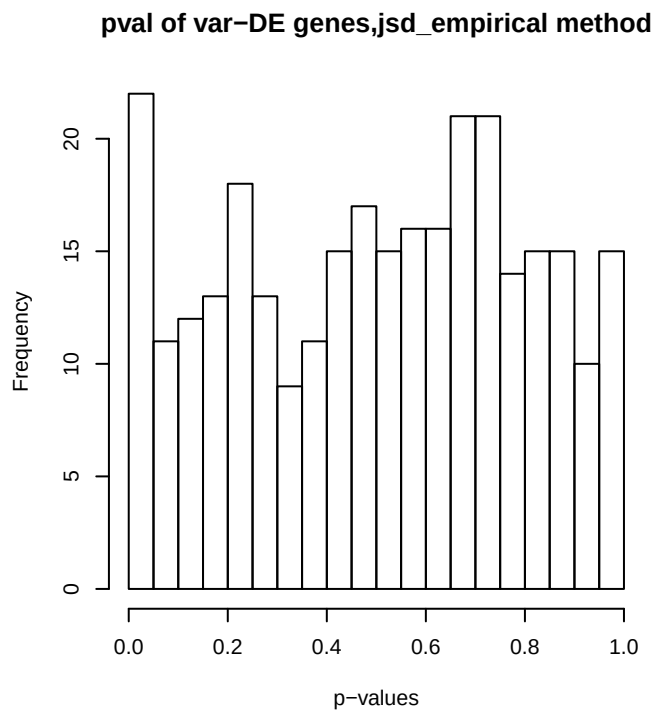
pval of var−DE genes,klmean_empirical method

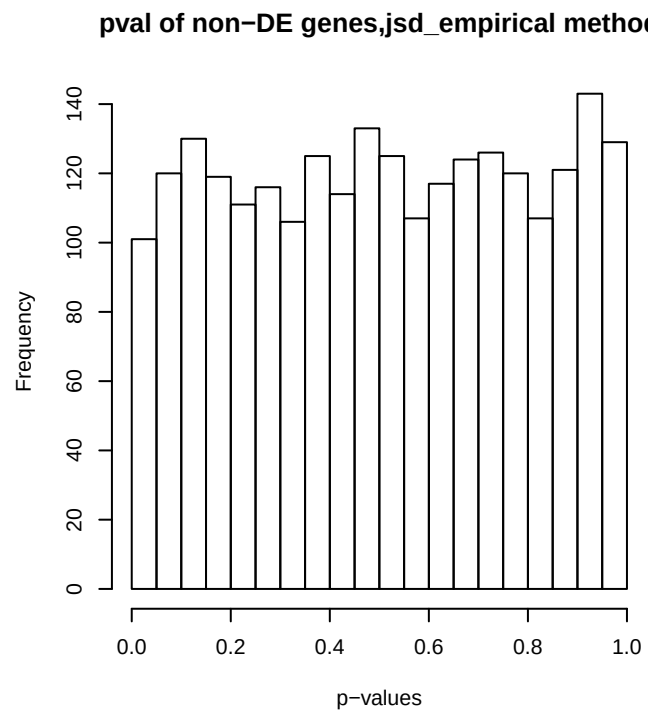


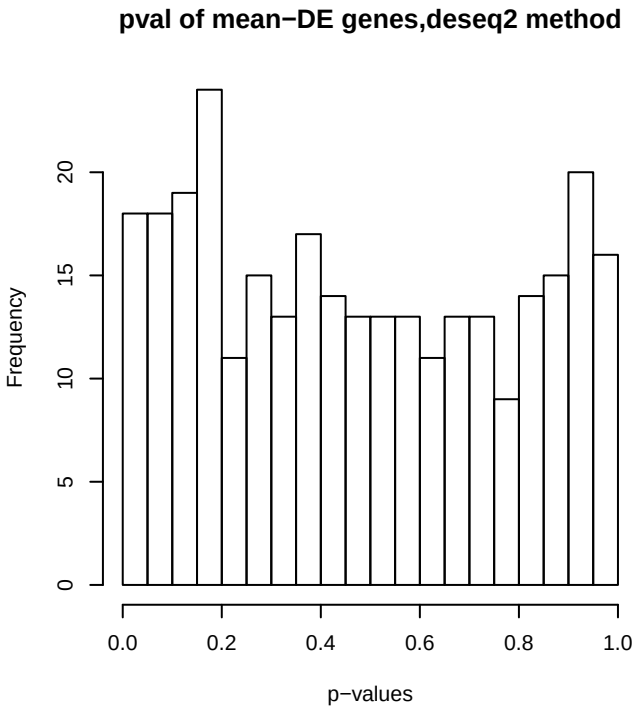
pval of non−DE genes,klmean_empirical method

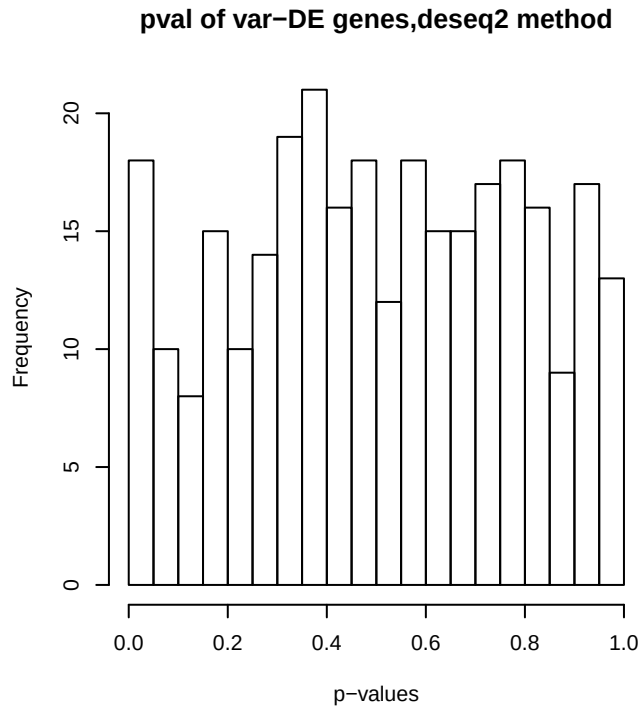


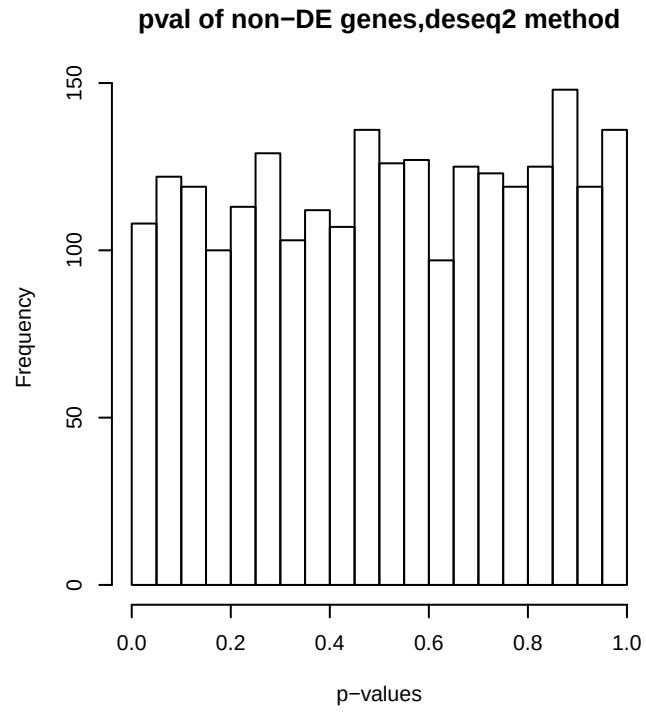

pval of mean−DE genes,jsd_empirical method
Frequency
p−values

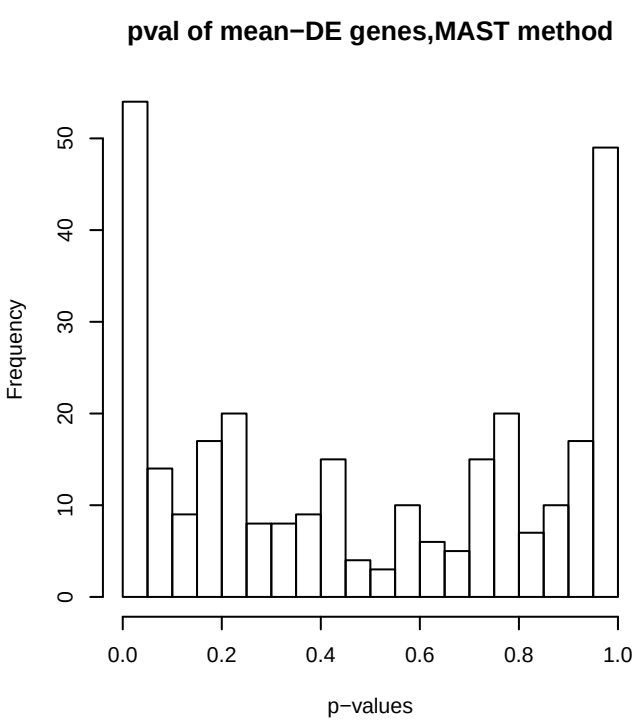

pval of var−DE genes,jsd_empirical method
Frequency
p−values

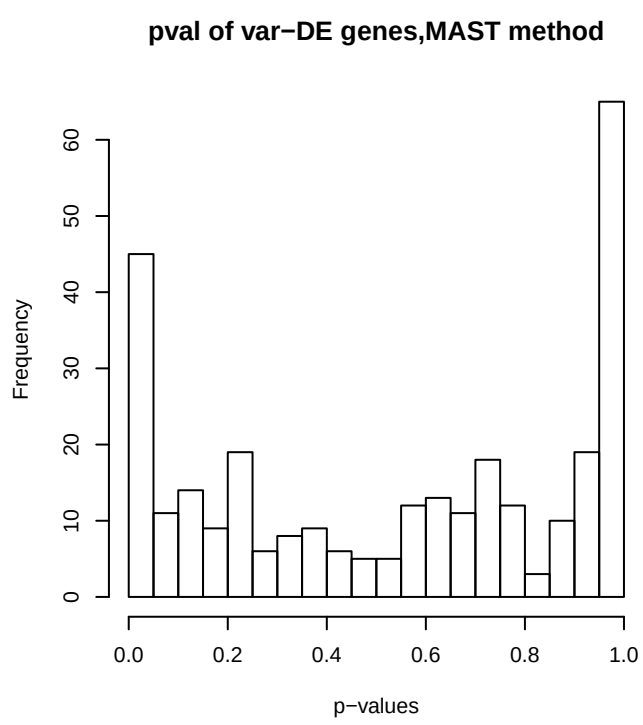

pval of non−DE genes,jsd_empirical method
Frequency
p−values

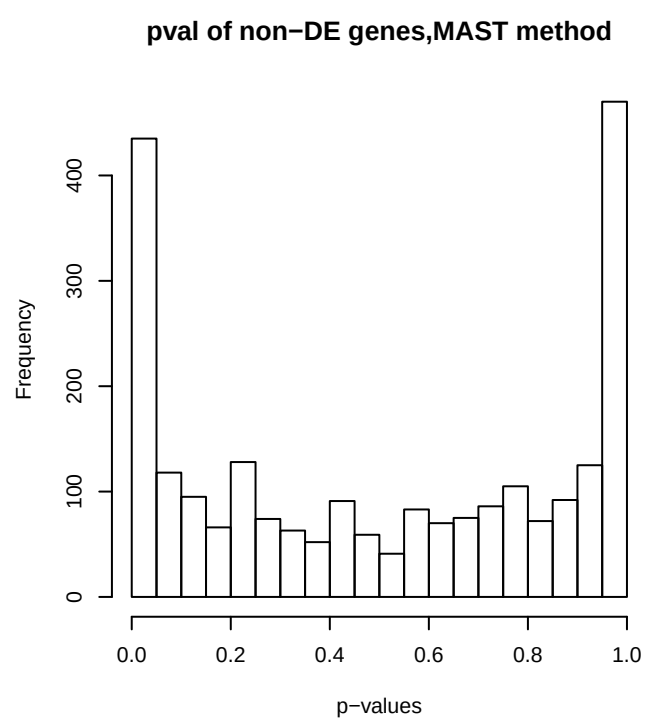

pval of mean−DE genes,deseq2 method
Frequency
p−values

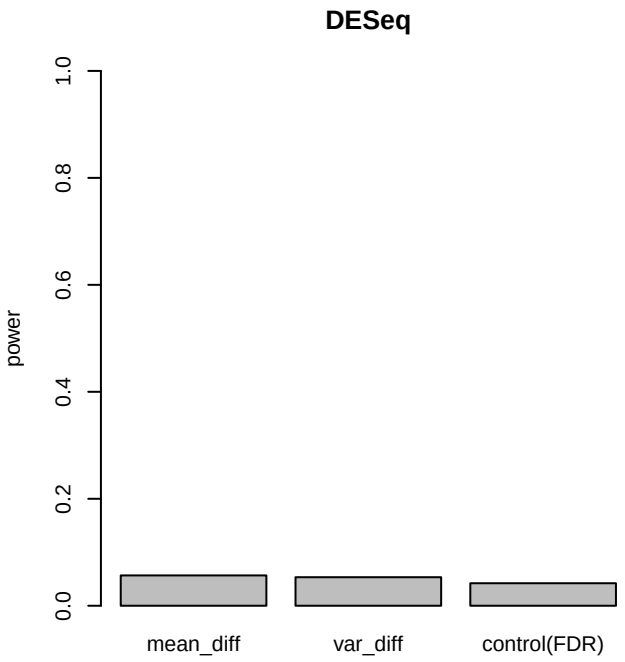

pval of var−DE genes,deseq2 method
Frequency
p−values

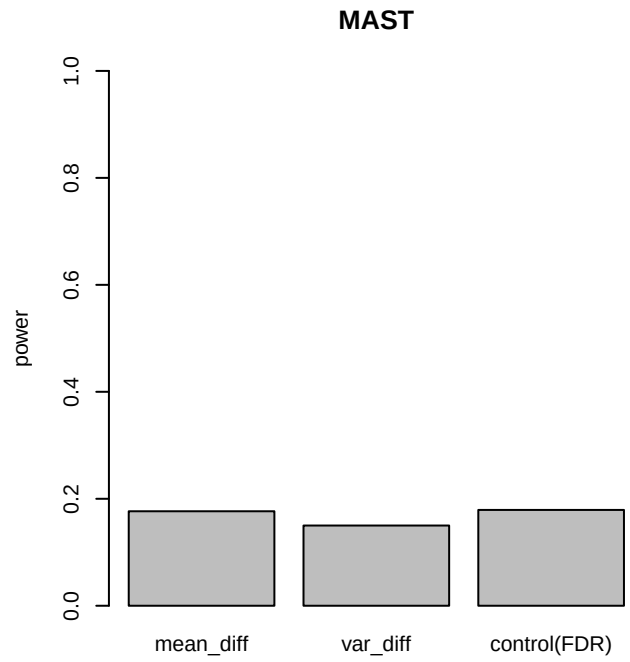

pval of non−DE genes,deseq2 method
Frequency
p−values

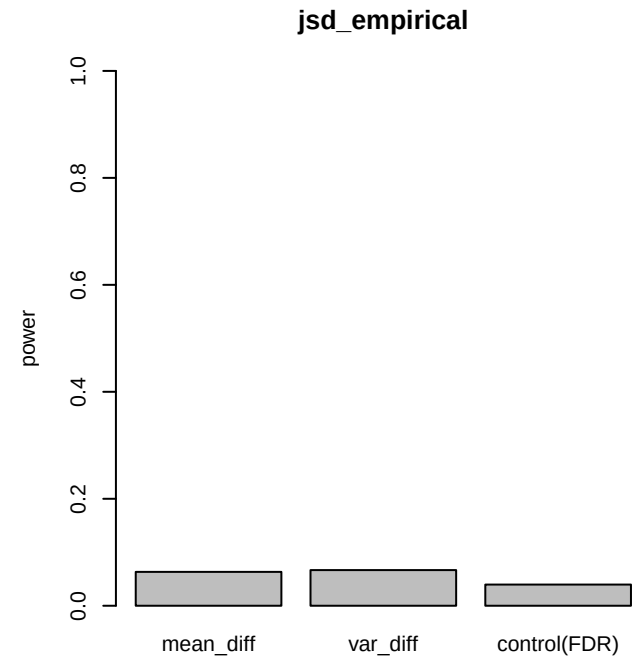

pval of mean−DE genes,MAST method
Frequency
p−values

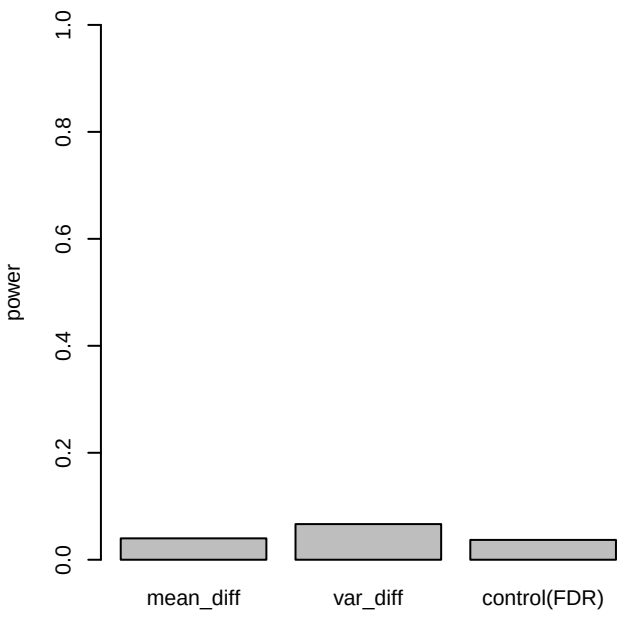

pval of var−DE genes,MAST method
Frequency
p−values

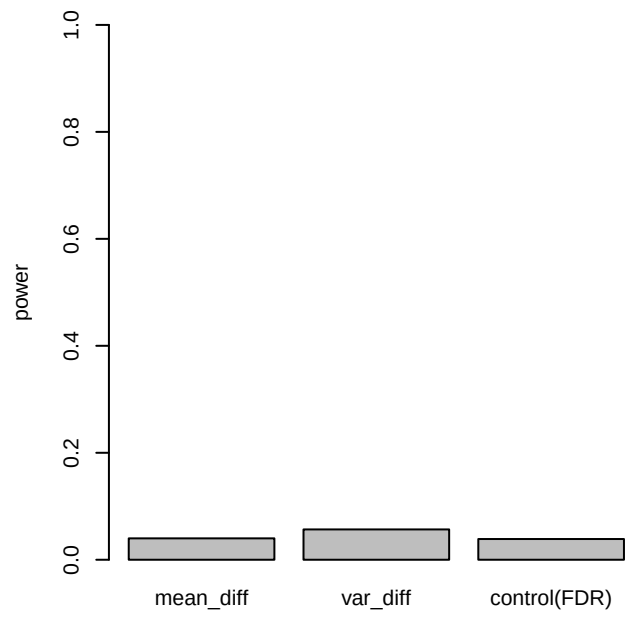

pval of non−DE genes,MAST method
Frequency
p−values

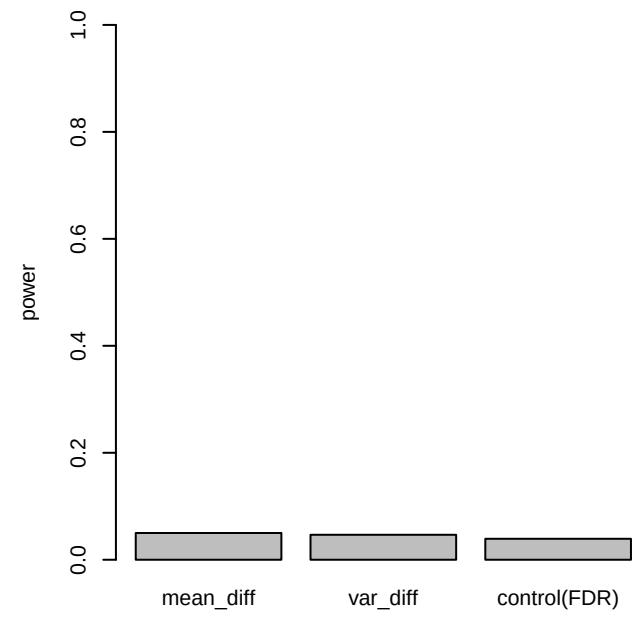

DESeq
power
0.0
0.2
0.4
0.6
0.8
1.0
mean_diff
var_diff
control(FDR)


MAST
power
0.0
0.2
0.4
0.6
0.8
1.0
mean_diff
var_diff
control(FDR)


jsd_empirical
power
0.0
0.2
0.4
0.6
0.8
1.0
mean_diff
var_diff
control(FDR)


klmean_empirical
power
0.0
0.2
0.4
0.6
0.8
1.0
mean_diff
var_diff
control(FDR)


jsd_zinb
power
0.0
0.2
0.4
0.6
0.8
1.0
mean_diff
var_diff
control(FDR)


klmean_zinb
power
0.0
0.2
0.4
0.6
0.8
1.0
mean_diff
var_diff
control(FDR)

DESeq
MAST
jsd_empirical
klmean_empirical
jsd_zinb
klmean_zinb
mean diff
var diff

True positive rate (TPR)

0.0
0.2
0.4
0.6
0.8
1.0

False positive rate (FPR)

0.0
0.2
0.4
0.6
0.8
1.0