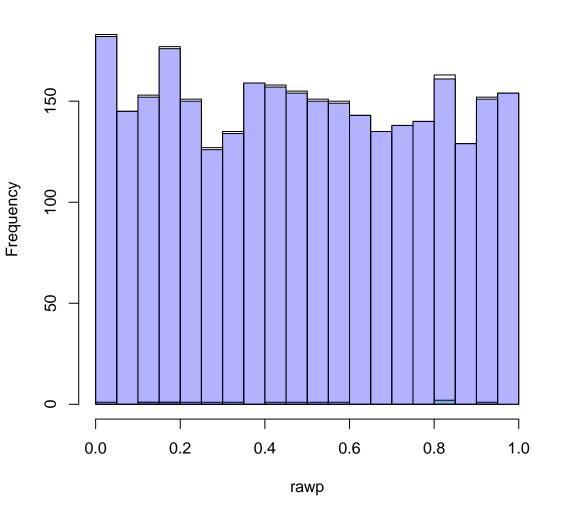
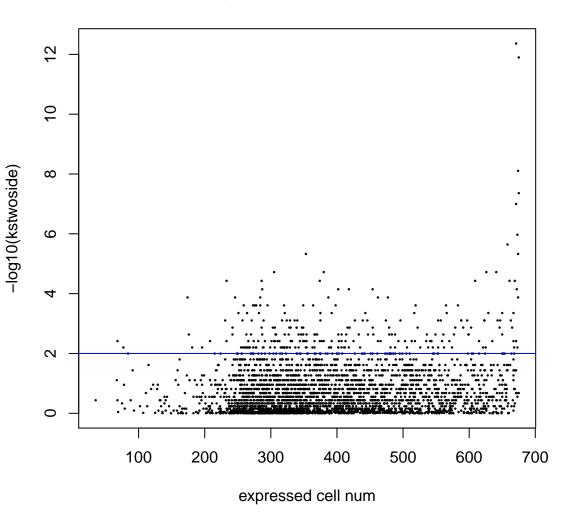


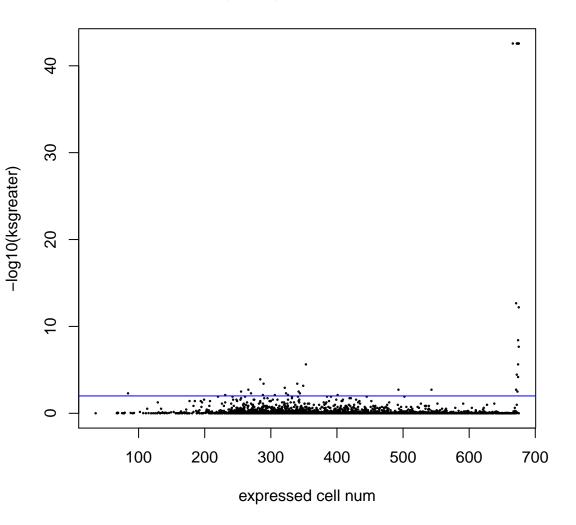
# perm pvalues



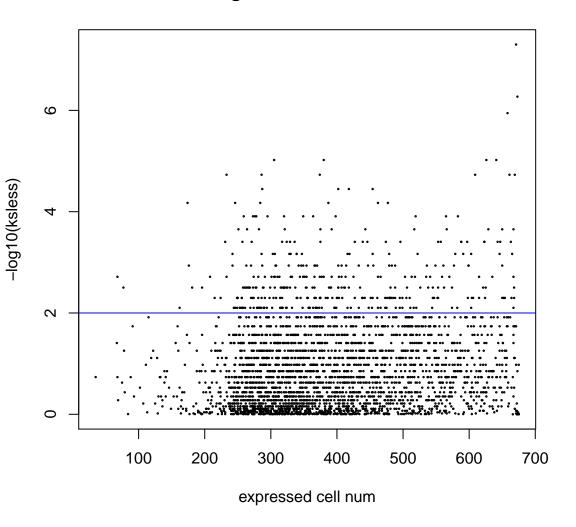
sig\_KStwoside: 8.005%



sig\_KSgreater: 1.201%



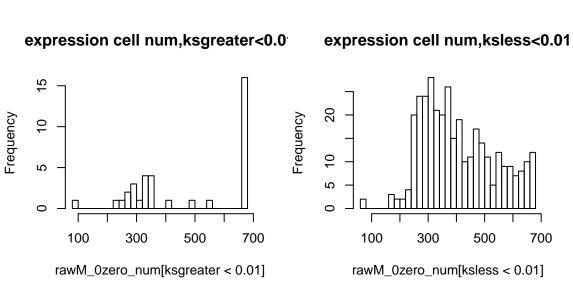
sig\_KSless: 11.508%



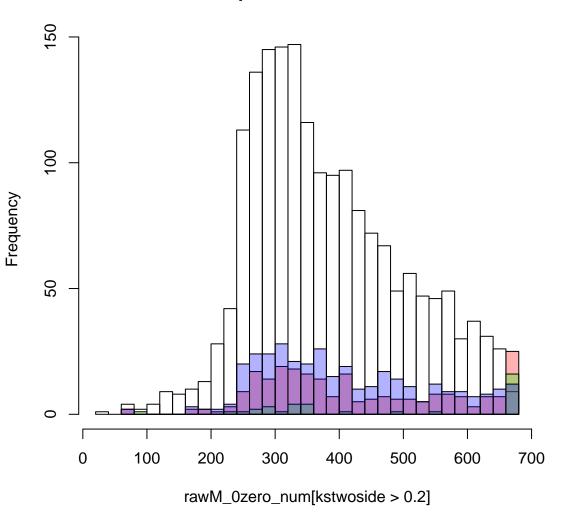
Frequency Frequency rawM\_0zero\_num[kstwoside > 0.2] rawM\_0zero\_num[kstwoside < 0.01]

expression cell num,kstwoside<0.0

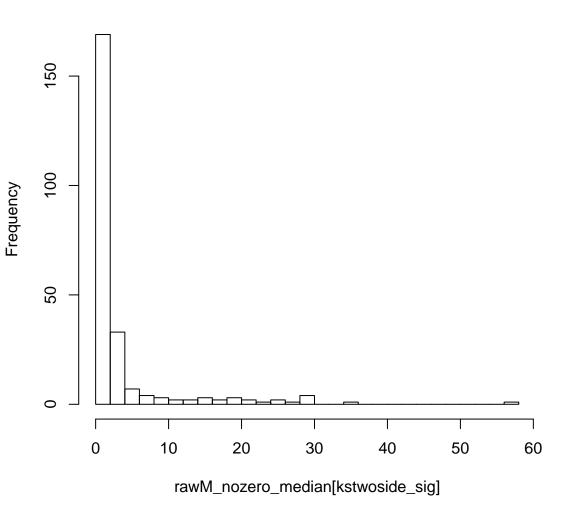
expression cell num,kstwoside>0.2



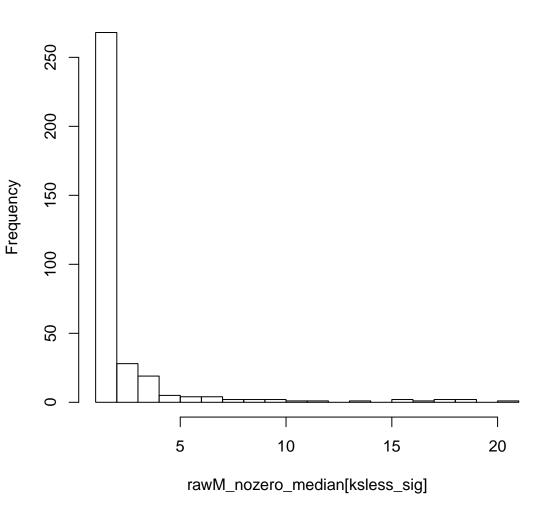
#### expression cell num



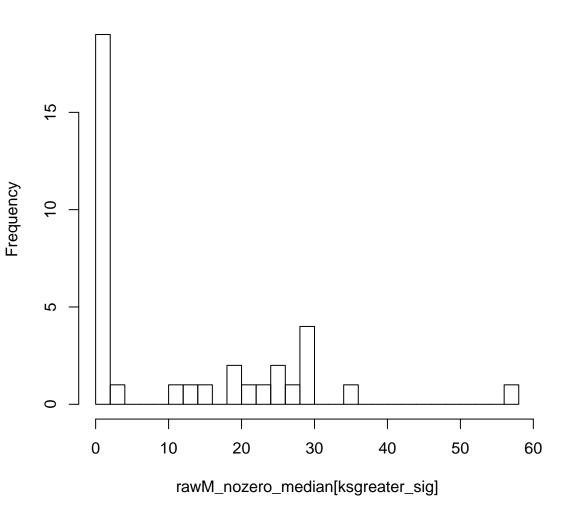
# median of nozero log-expres of genes, kstwoside sig



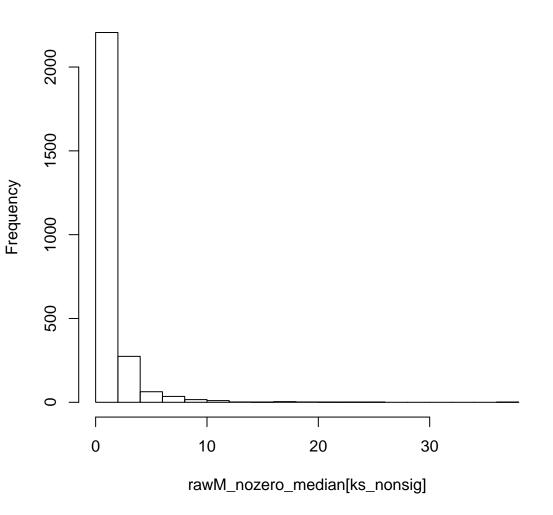
#### median of nozero log-expres of genes, ksless sig



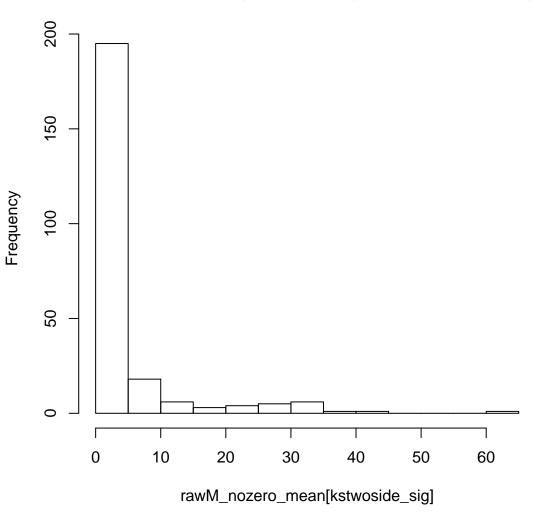
#### median of nozero log-expres of genes,ksgreater sig



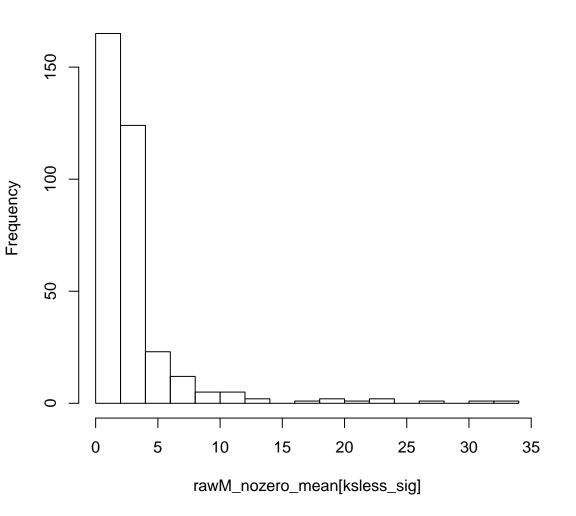
#### median of nozero log-expres of genes,ks no sig



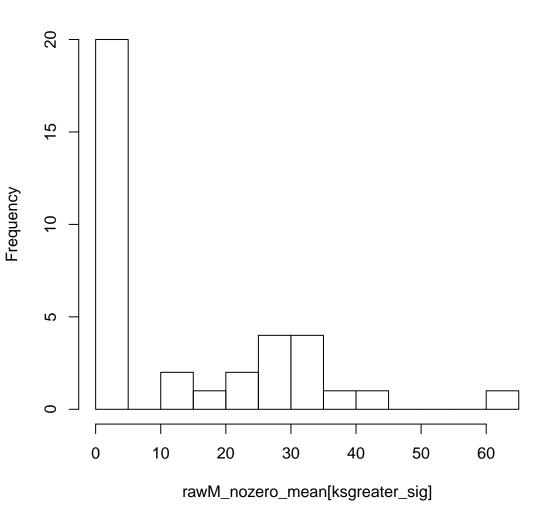
#### mean of nozero log-expres of genes, kstwoside sig



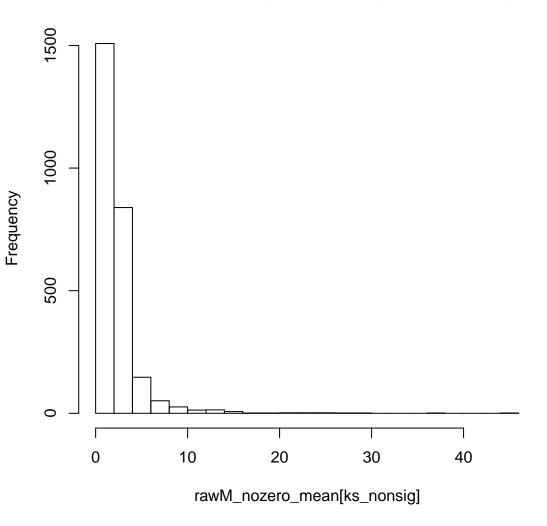
# mean of nozero log-expres of genes, ksless sig



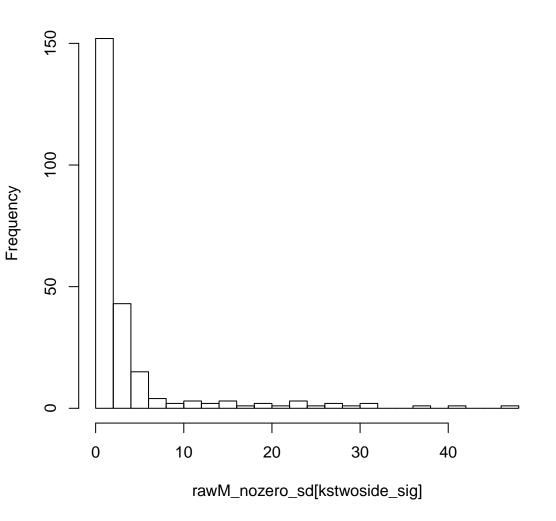
#### mean of nozero log-expres of genes,ksgreater sig



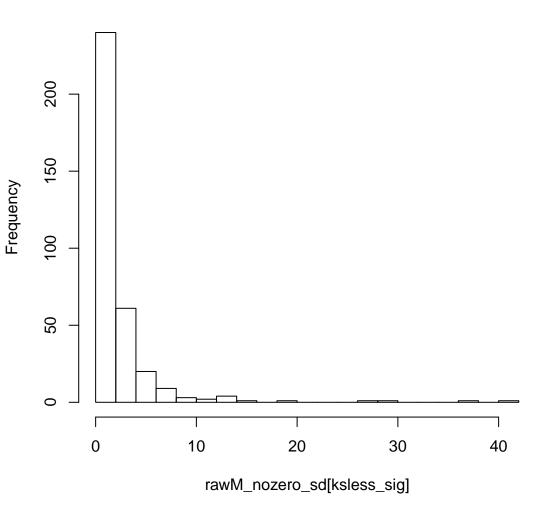
#### mean of nozero log-expres of genes,ks no sig



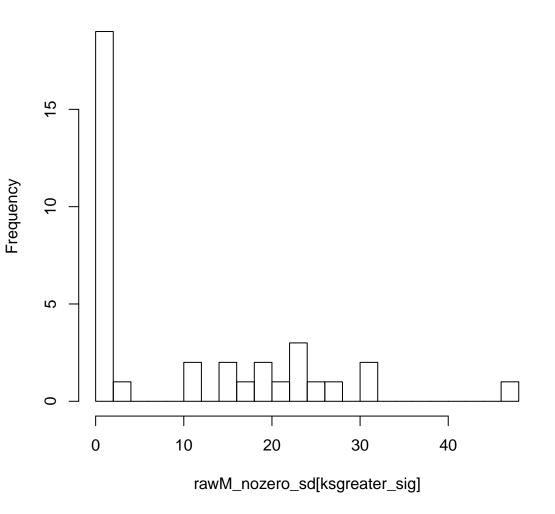
#### sd of nozero log-expres of genes, kstwoside sig



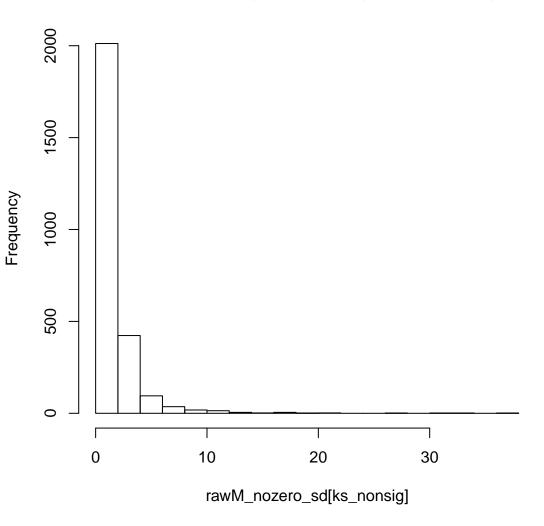
# sd of nozero log-expres of genes, ksless sig



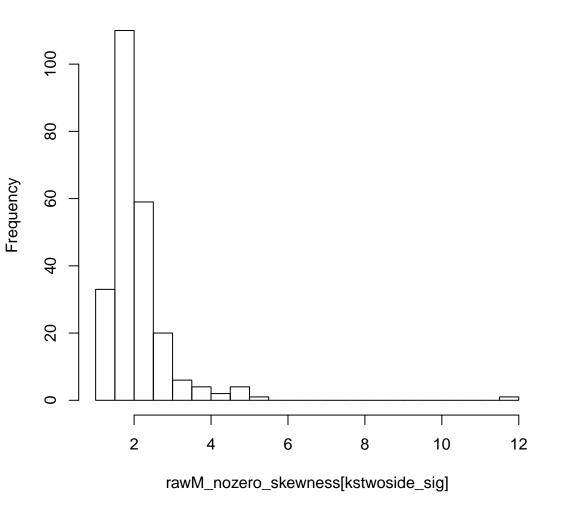
#### sd of nozero log-expres of genes,ksgreater sig



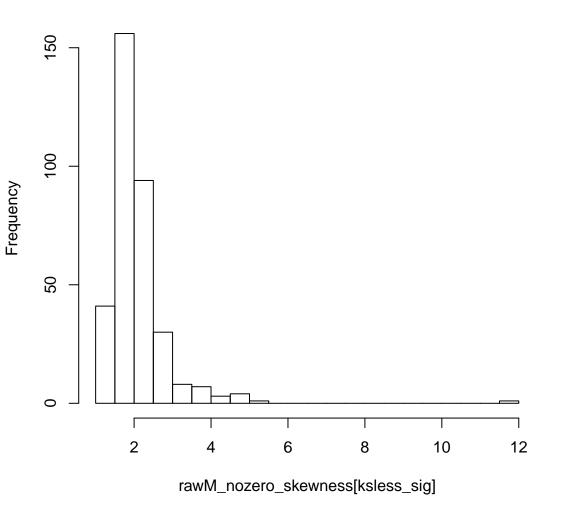
#### sd of nozero log-expres of genes,ks no sig



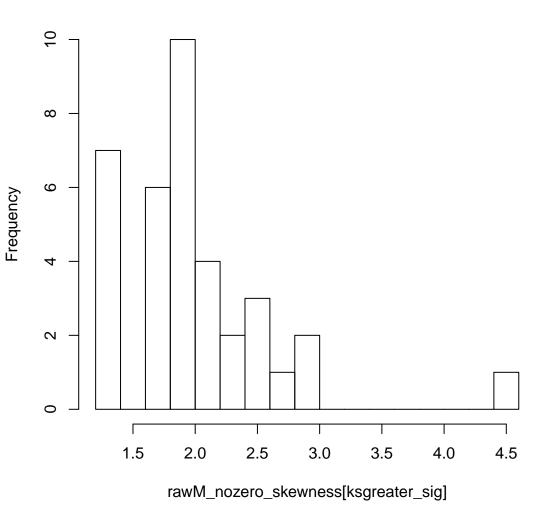
#### skewness of nozero log-expres of genes, kstwoside sig



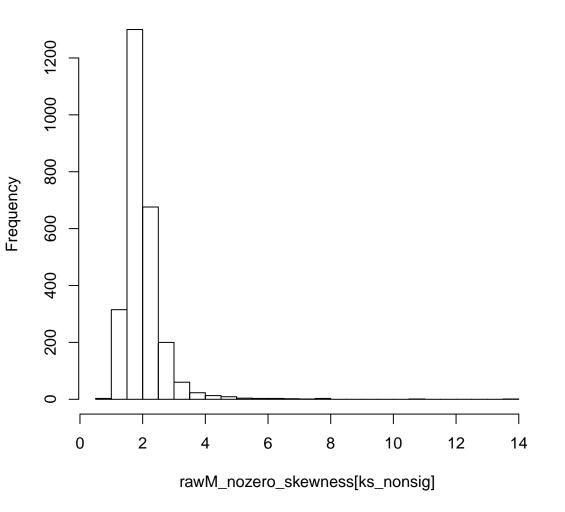
#### skewness of nozero log-expres of genes, ksless sig



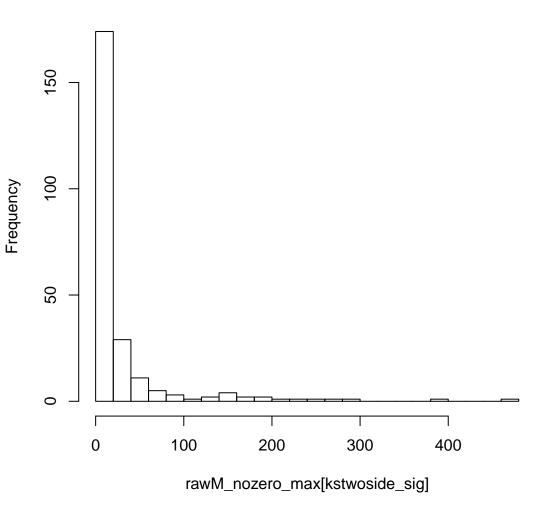
# skewness of nozero log-expres of genes,ksgreater sig



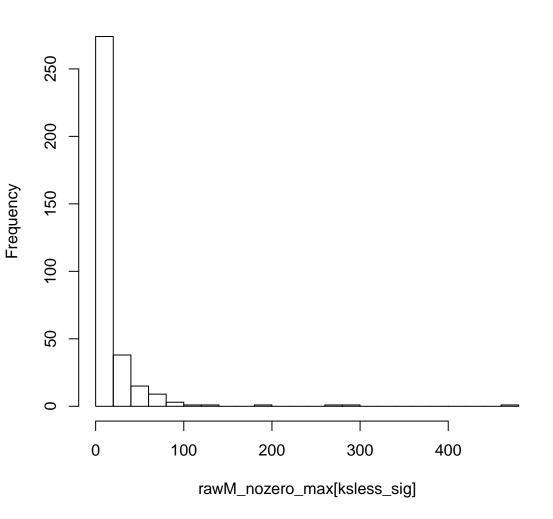
#### skewness of nozero log-expres of genes,ks no sig



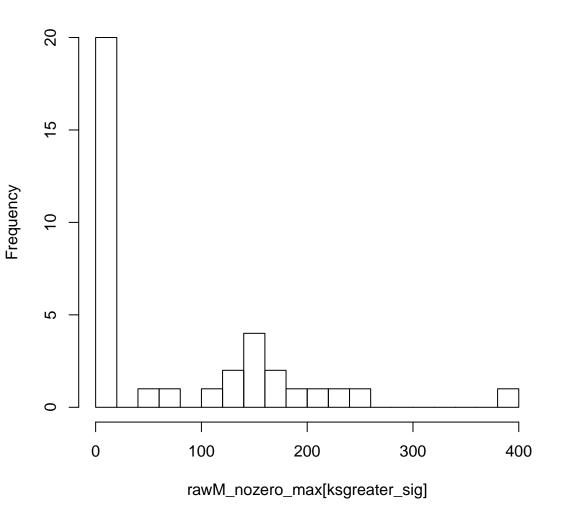
# max of nozero log-expres of genes, kstwoside sig



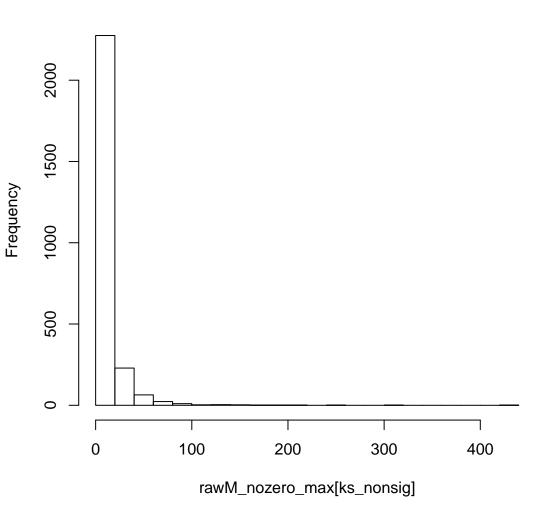
# max of nozero log-expres of genes, ksless sig



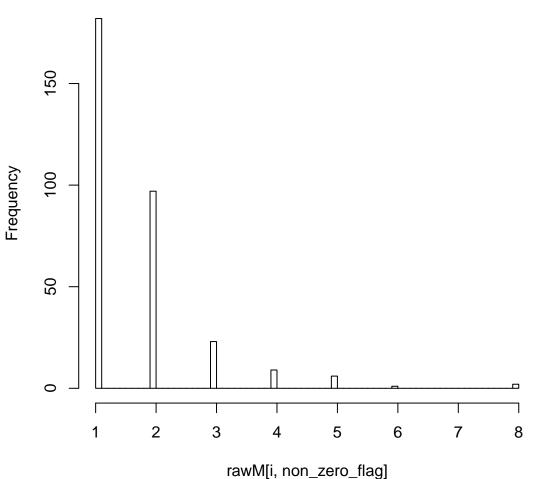
#### max of nozero log-expres of genes,ksgreater sig



#### max of nozero log-expres of genes,ks no sig

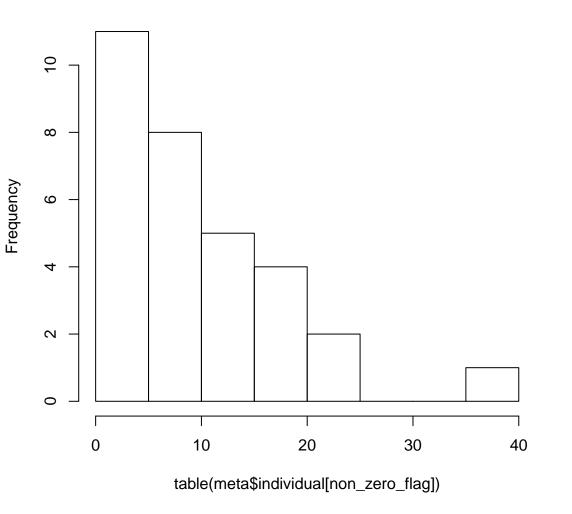


Sless sig: log expression of gene#2, pval ob=0.3084, non–zero nu

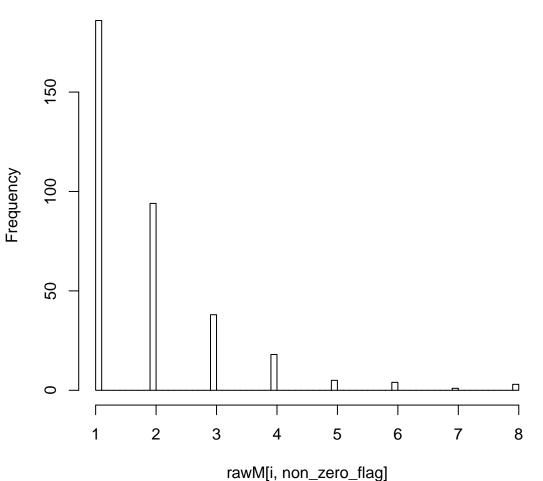


ind#: 31, diag#: 2

#### KSless sig: individual expression cell count of gene#2

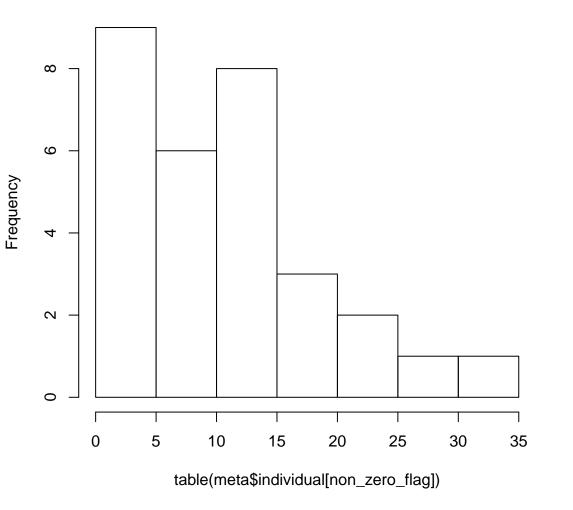


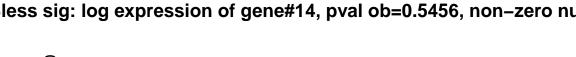
# Sless sig: log expression of gene#10, pval ob=0.543, non–zero nu

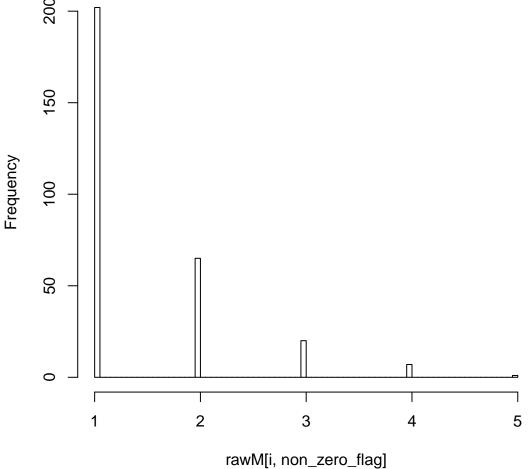


ind#: 30, diag#: 2

#### KSless sig: individual expression cell count of gene#10

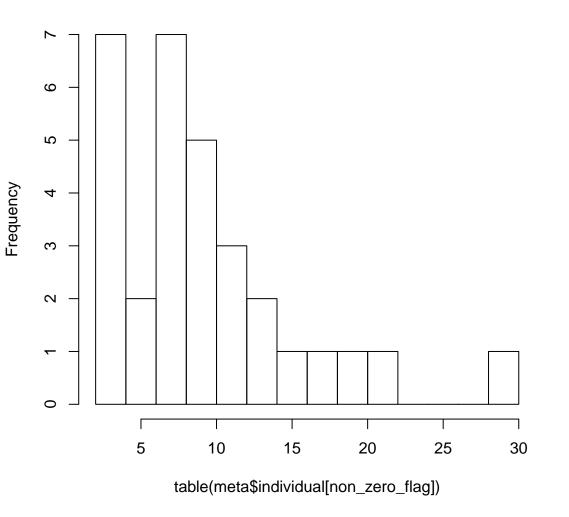




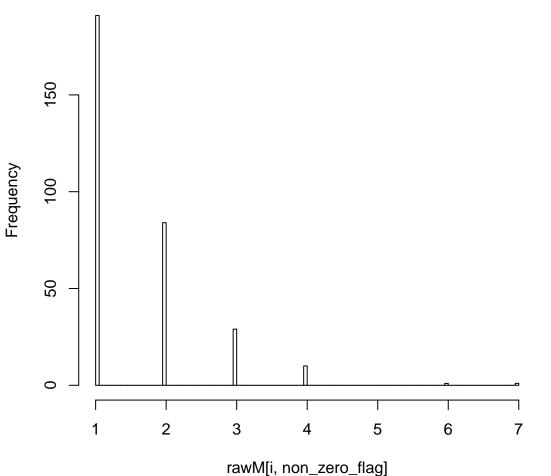


ind#: 31, diag#: 2

#### KSless sig: individual expression cell count of gene#14

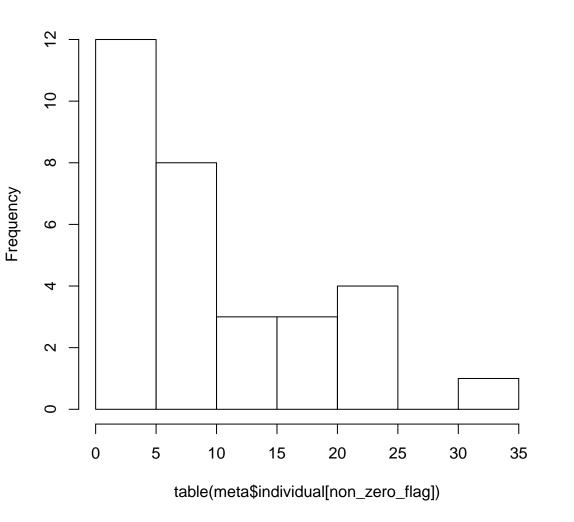


less sig: log expression of gene#22, pval ob=0.7475, non-zero nu

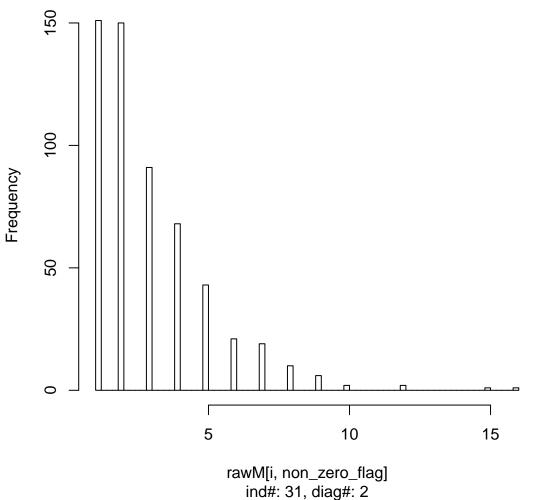


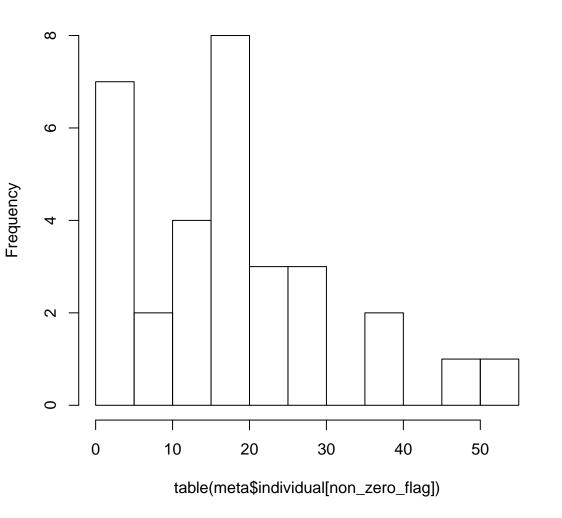
ind#: 31, diag#: 2

#### KSless sig: individual expression cell count of gene#22



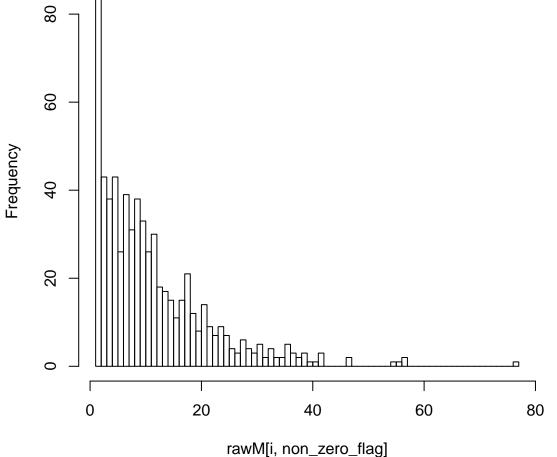
less sig: log expression of gene#42, pval ob=0.6029, non-zero nu

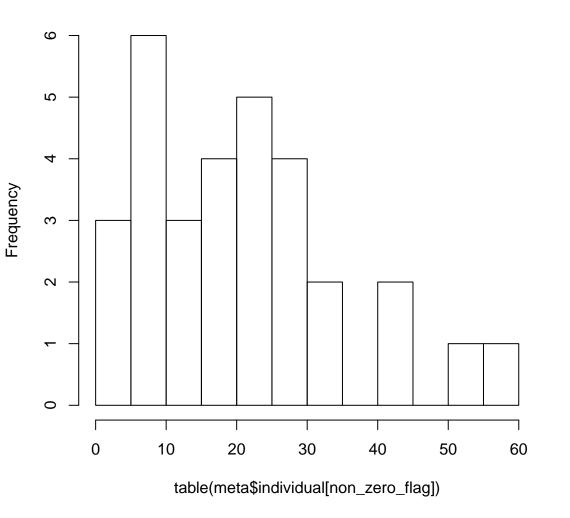




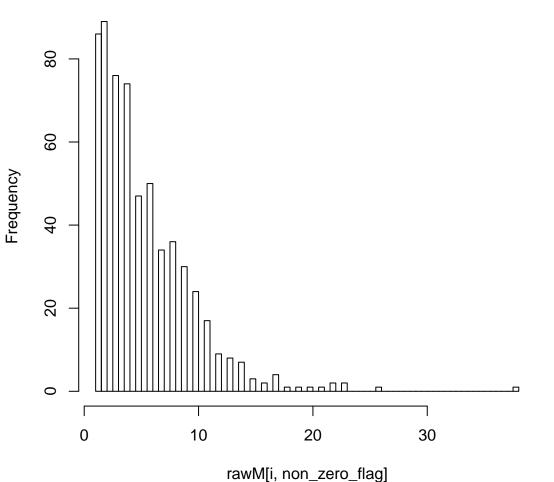
п

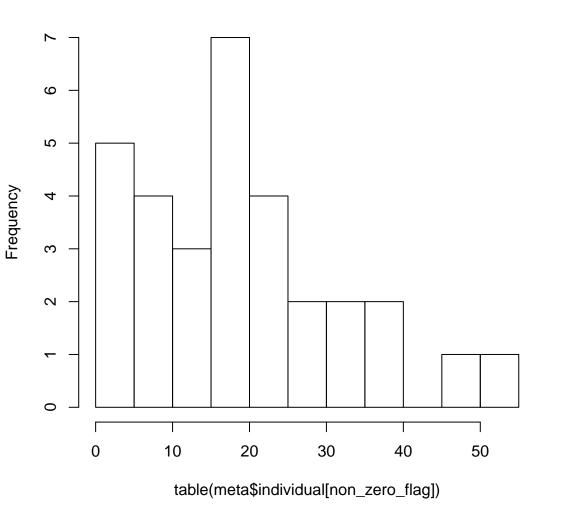
Sless sig: log expression of gene#57, pval ob=2e-04, non-zero nu



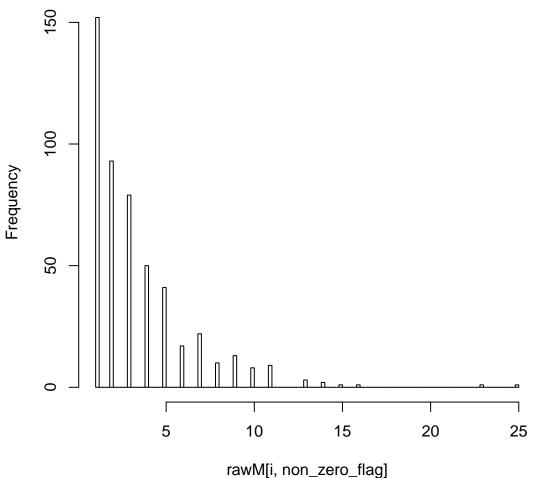


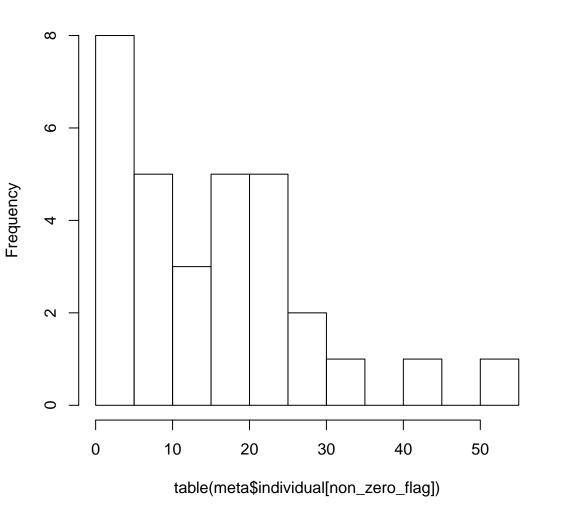
Sless sig: log expression of gene#63, pval ob=0.121, non–zero nu



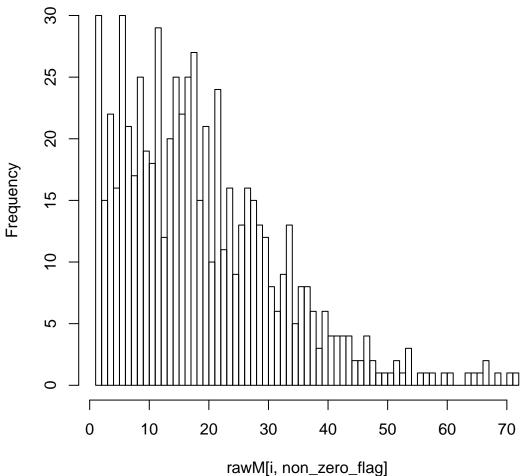


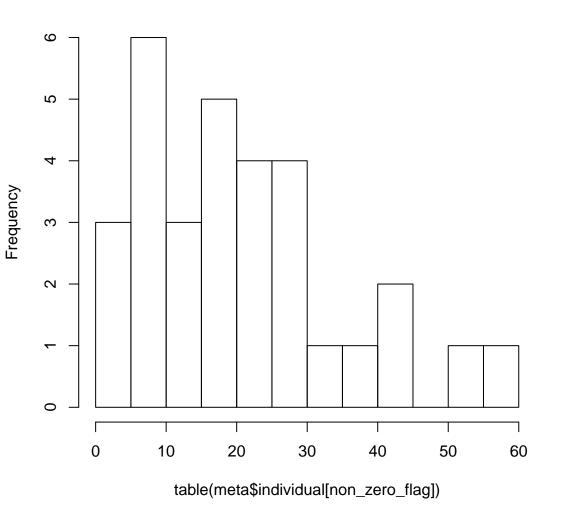
less sig: log expression of gene#90, pval ob=0.1143, non-zero nu

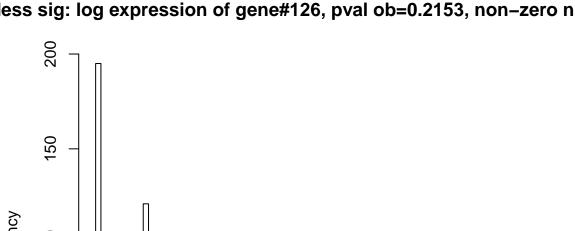


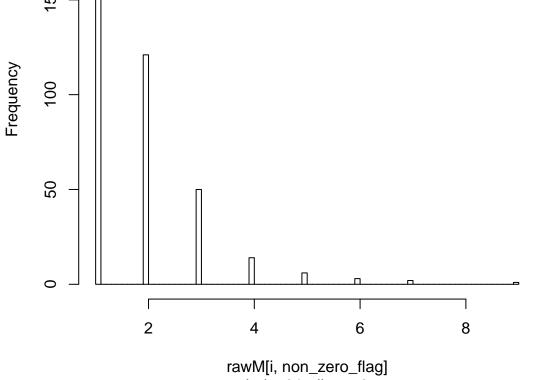


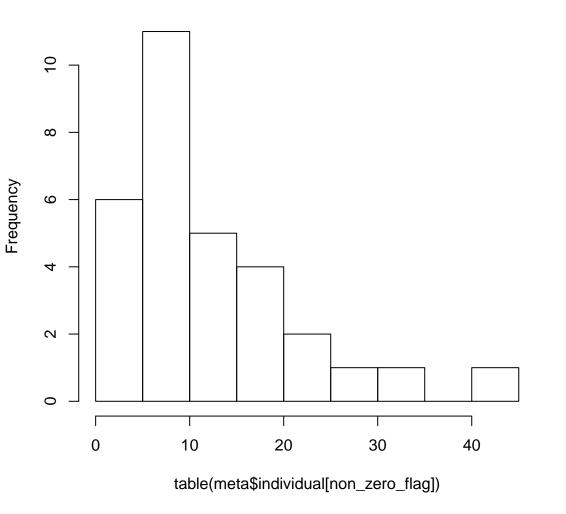
ess sig: log expression of gene#117, pval ob=0.3828, non-zero n



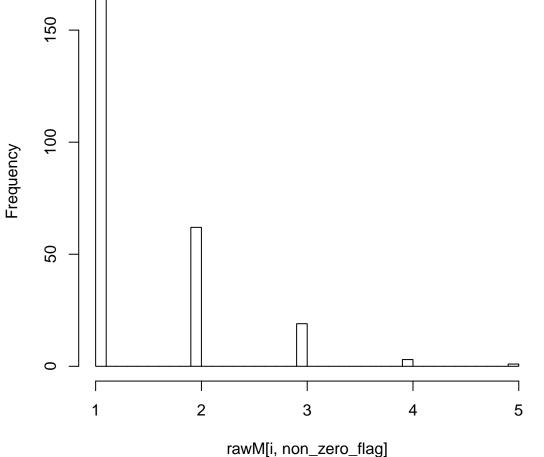




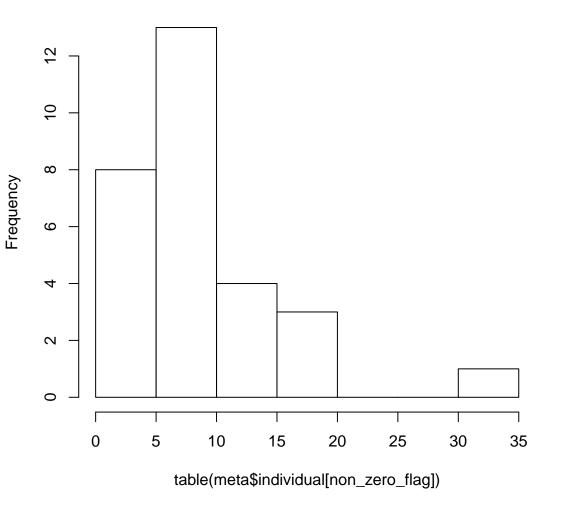




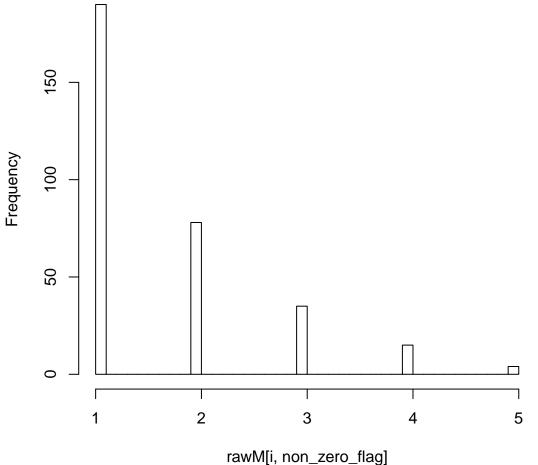
S nonsig: log expression of gene#4, pval ob=0.6348, non-zero nu

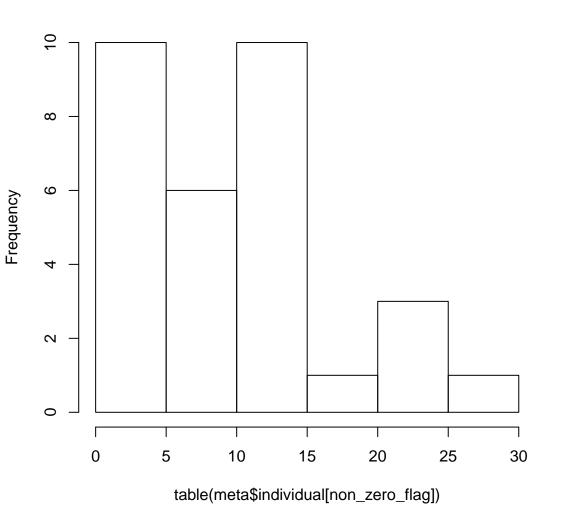


ind#: 29, diag#: 2



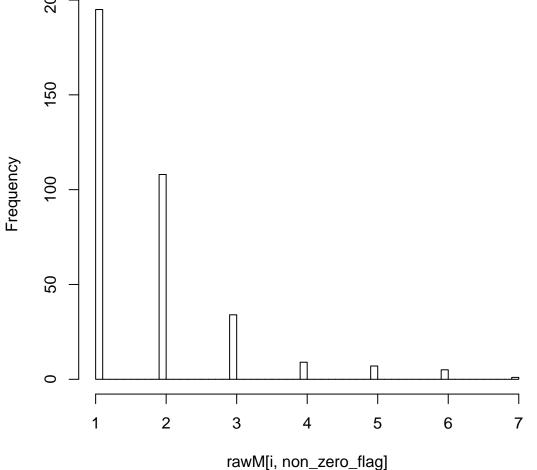
S nonsig: log expression of gene#6, pval ob=0.2506, non-zero nu

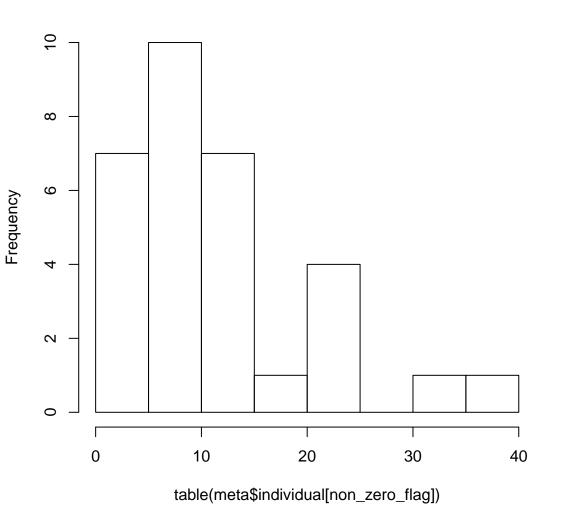




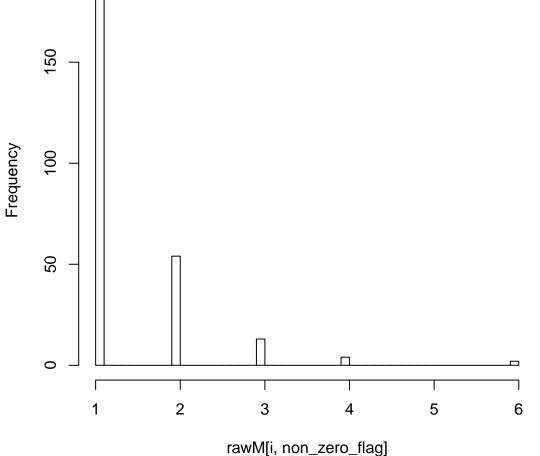
# 7 п

S nonsig: log expression of gene#8, pval ob=0.1947, non-zero nu

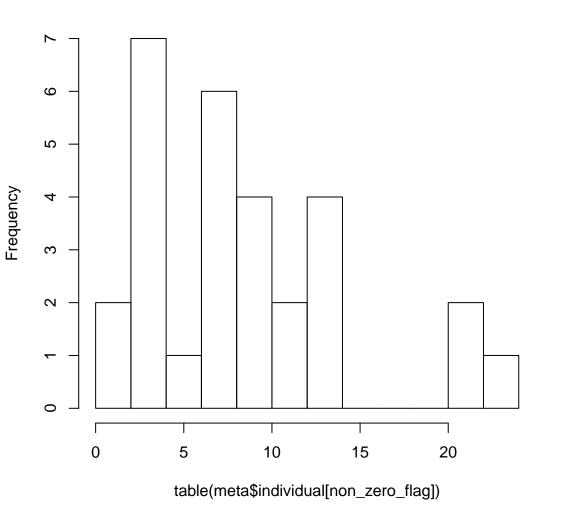




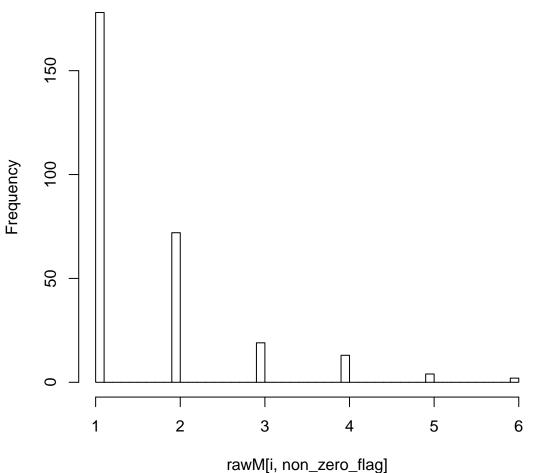
S nonsig: log expression of gene#9, pval ob=0.8056, non-zero nu

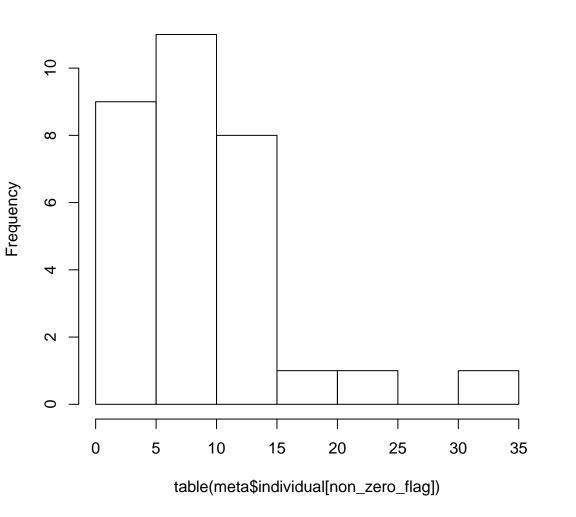


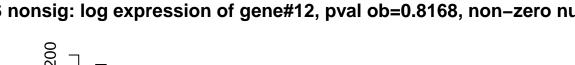
ind#: 29, diag#: 2

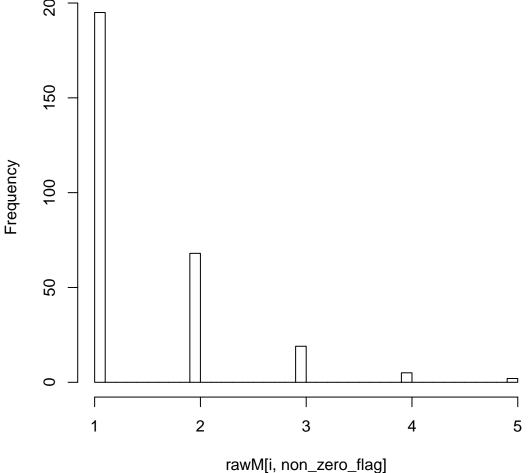


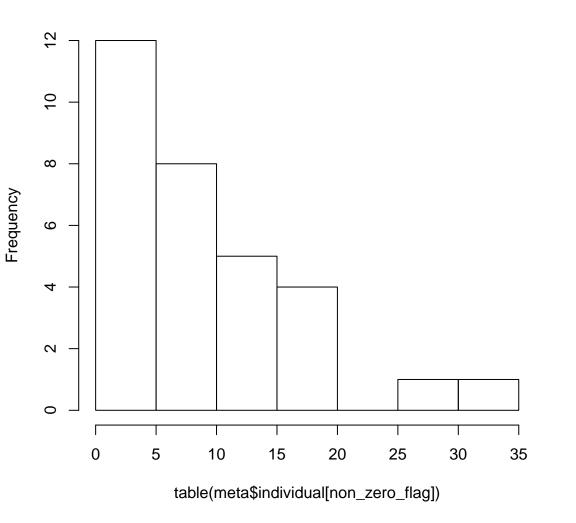
nonsig: log expression of gene#11, pval ob=0.7616, non–zero nເ



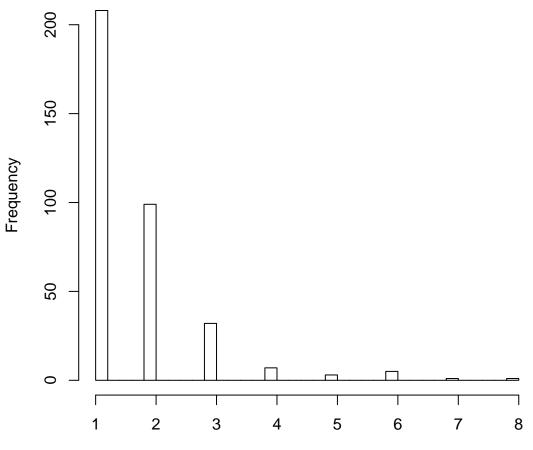




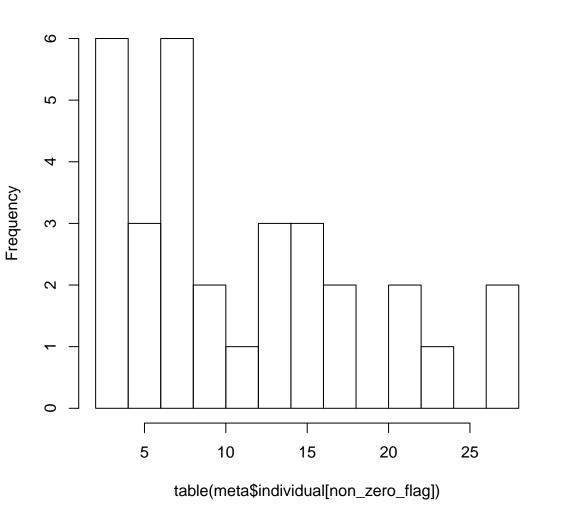




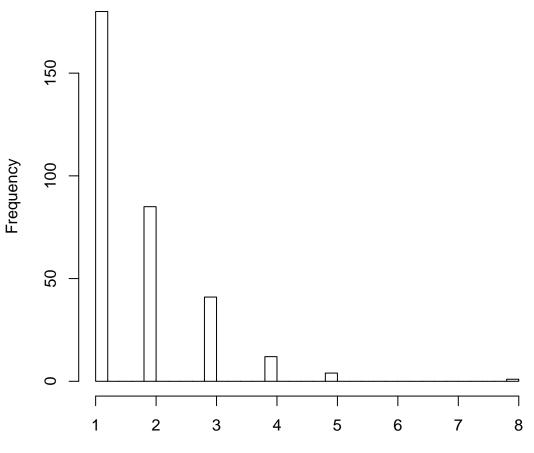
nonsig: log expression of gene#15, pval ob=0.0968, non–zero nເ



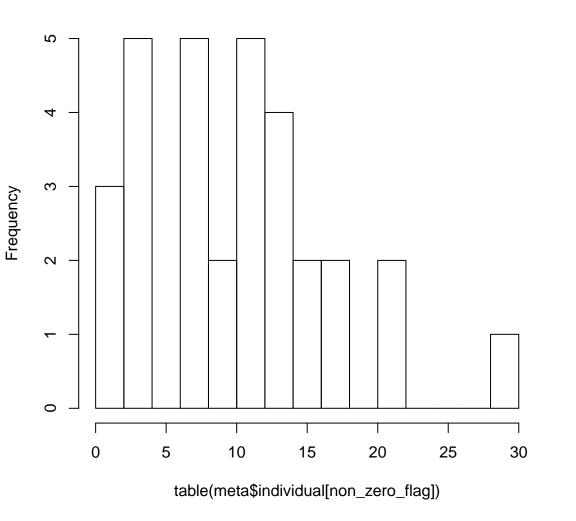
rawM[i, non\_zero\_flag] ind#: 31, diag#: 2



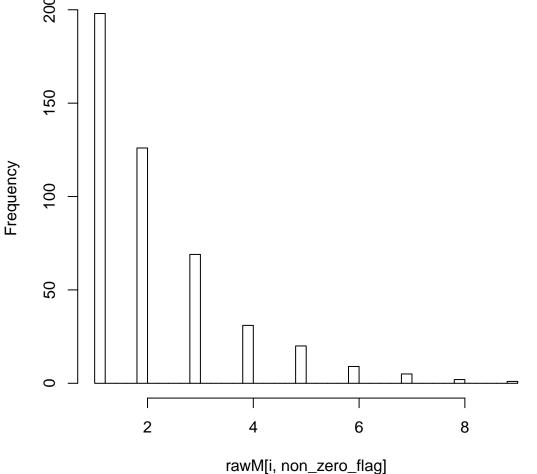
s nonsig: log expression of gene#16, pval ob=0.9131, non–zero ກເ

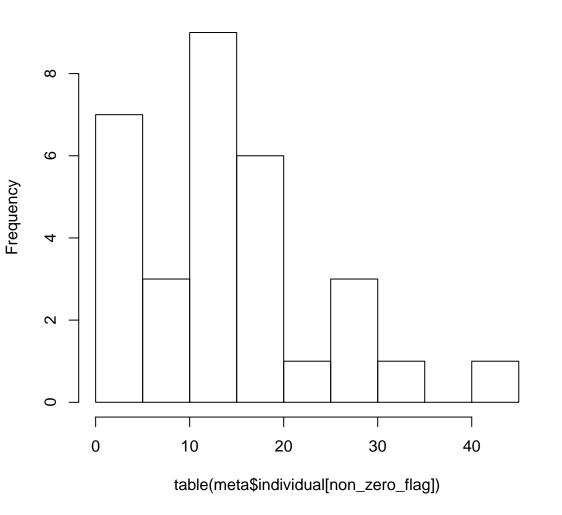


rawM[i, non\_zero\_flag] ind#: 31, diag#: 2

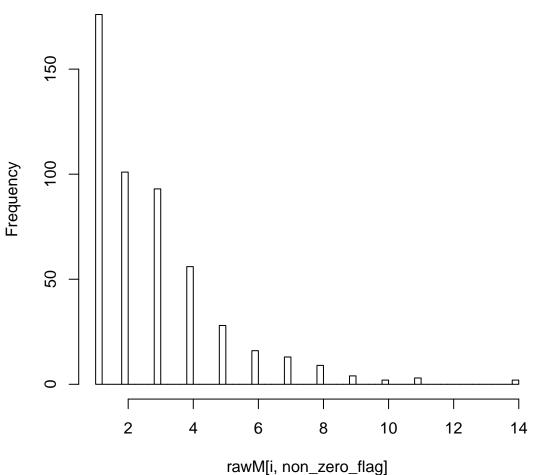


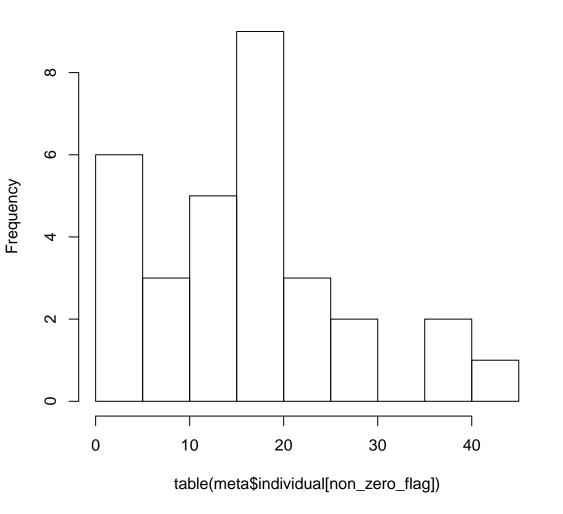
nonsig: log expression of gene#18, pval ob=0.9225, non-zero nu

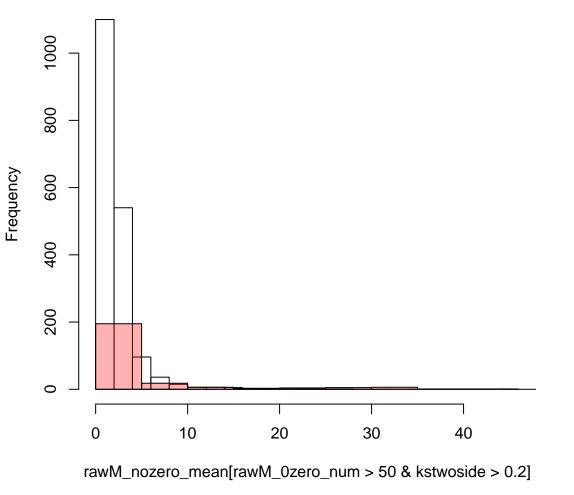




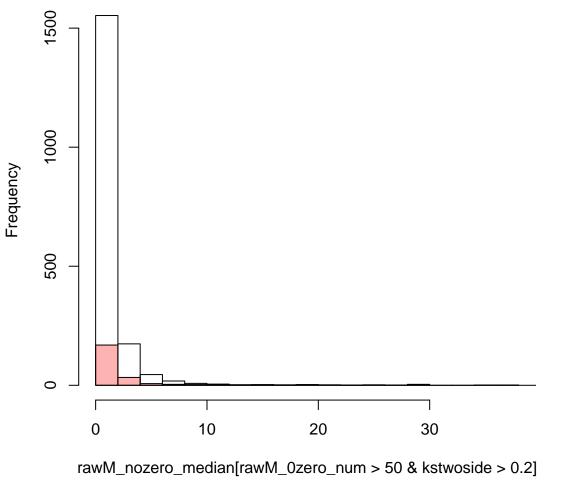
nonsig: log expression of gene#19, pval ob=0.6451, non-zero nu



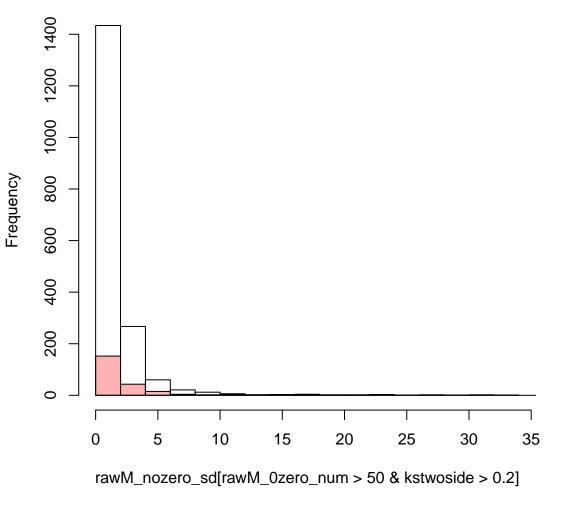




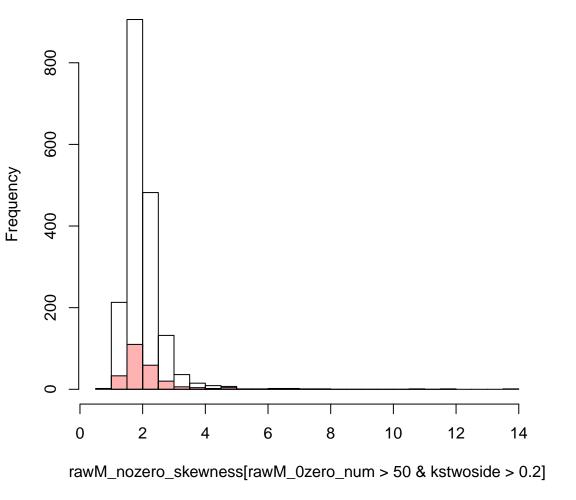
ogram of rawM\_nozero\_median[rawM\_0zero\_num > 50 & kstwosi

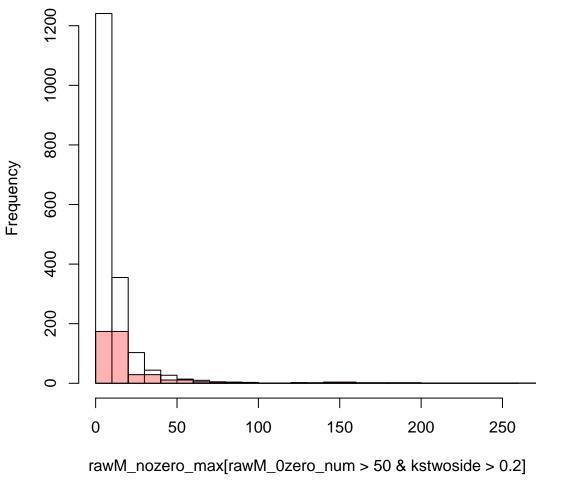


istogram of rawM\_nozero\_sd[rawM\_0zero\_num > 50 & kstwoside

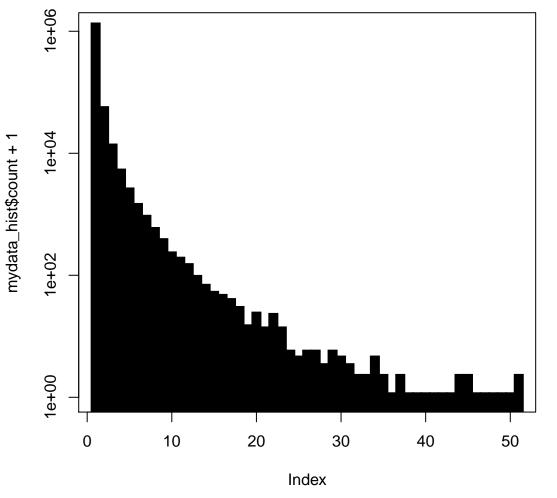


gram of rawM\_nozero\_skewness[rawM\_0zero\_num > 50 & kstwos

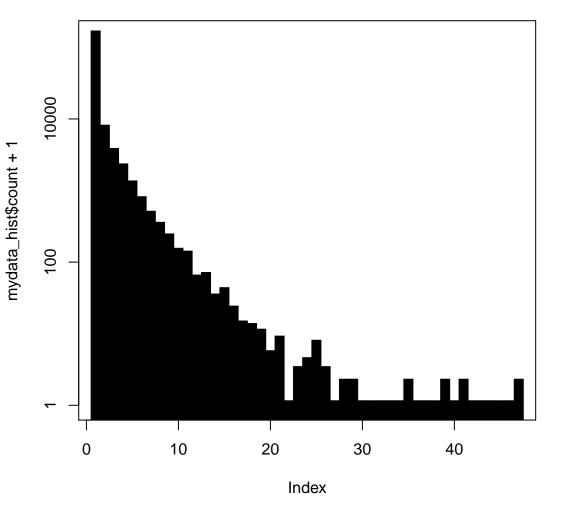




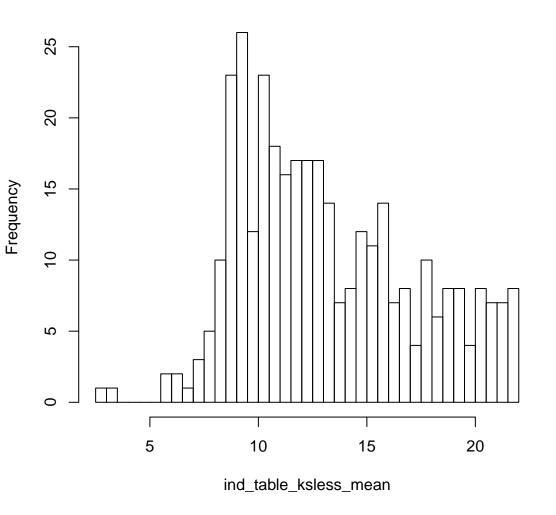
enes log(expression +1) with least 50 cell expression and kstwosi



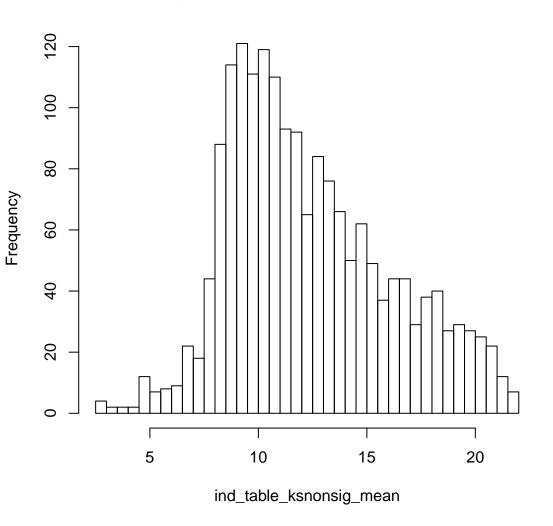
nes log(expression +1) with least 50 cell expression and kstwosic



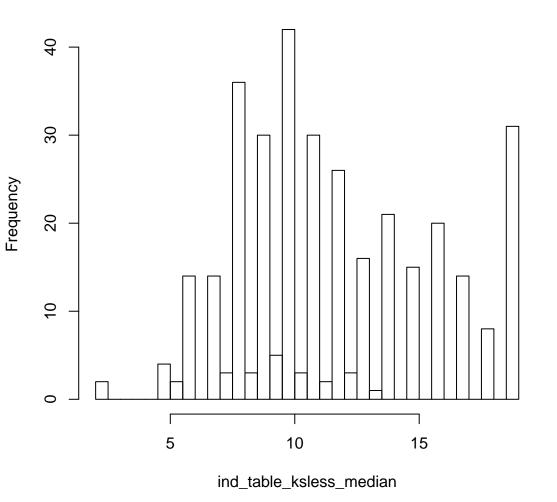
## Histogram of ind\_table\_ksless\_mean



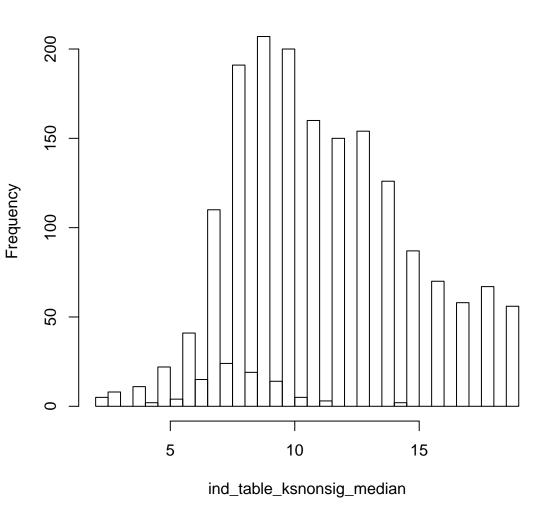
#### Histogram of ind\_table\_ksnonsig\_mean



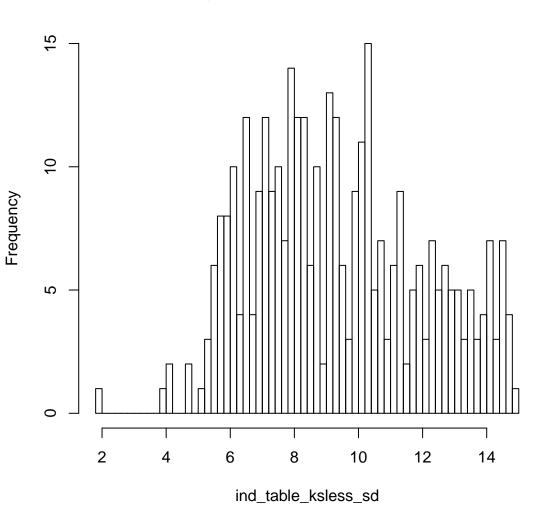
## Histogram of ind\_table\_ksless\_median



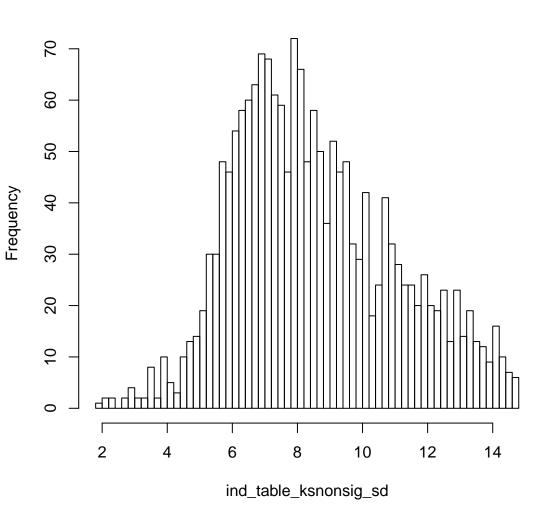
### Histogram of ind\_table\_ksnonsig\_median



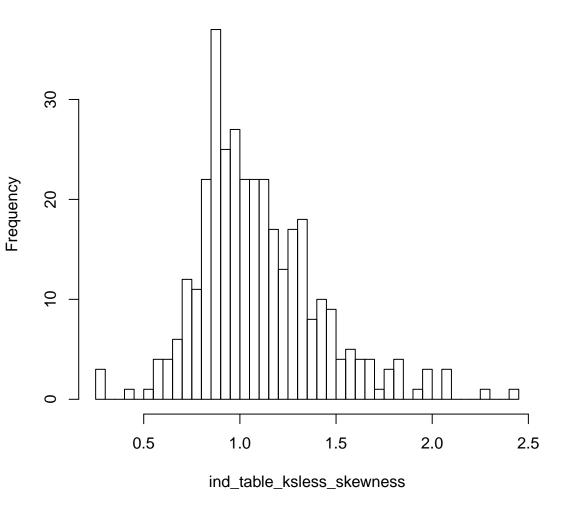
# Histogram of ind\_table\_ksless\_sd



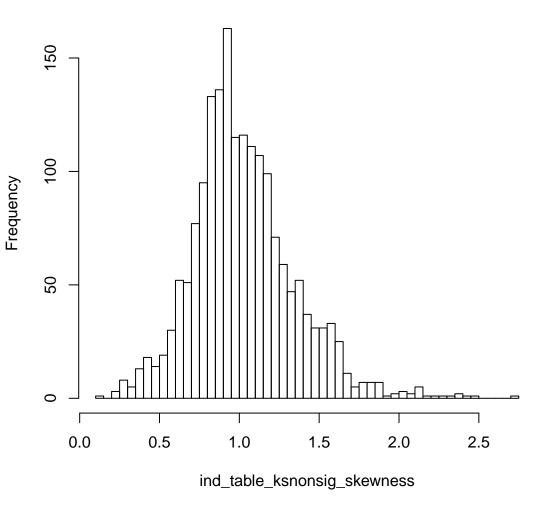
## Histogram of ind\_table\_ksnonsig\_sd



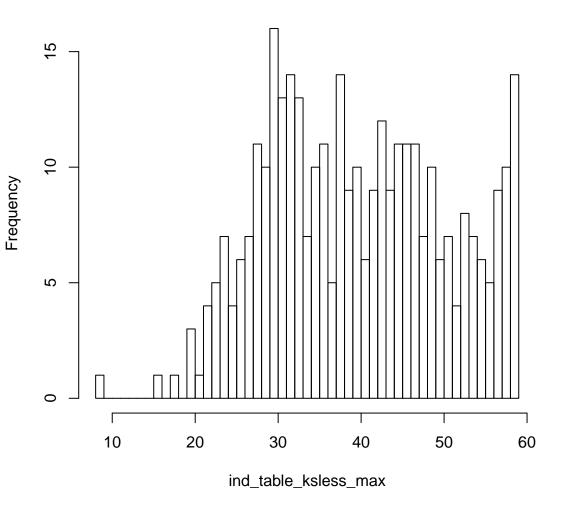
#### Histogram of ind\_table\_ksless\_skewness



### Histogram of ind\_table\_ksnonsig\_skewness



# Histogram of ind\_table\_ksless\_max



#### Histogram of ind\_table\_ksnonsig\_max

