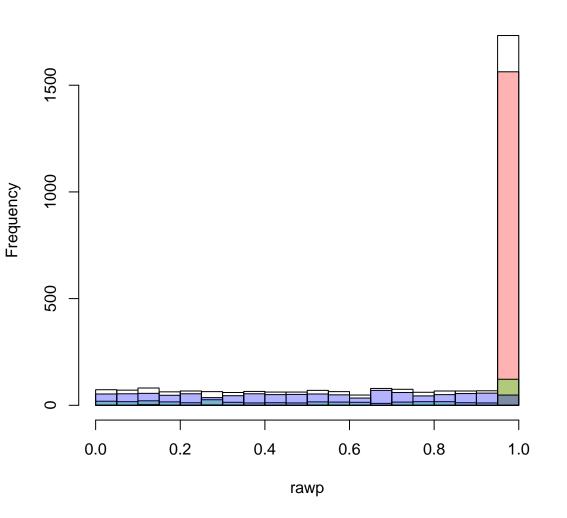
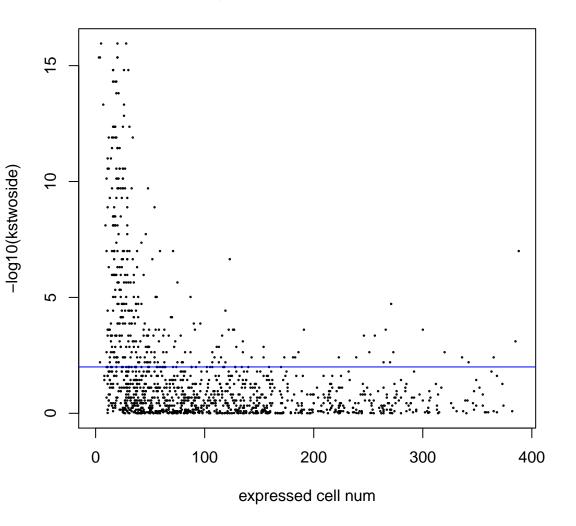


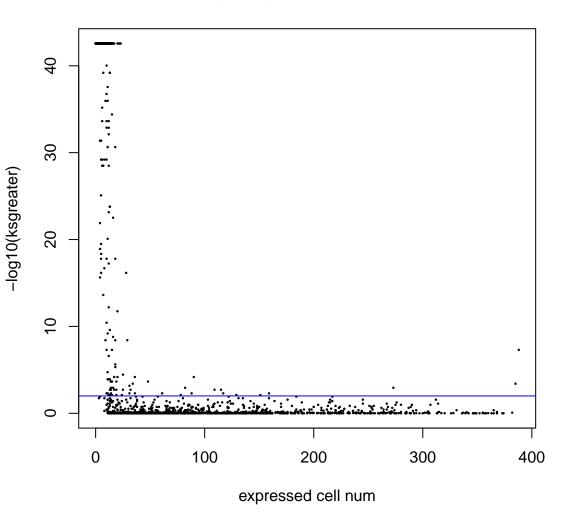
#### perm pvalues



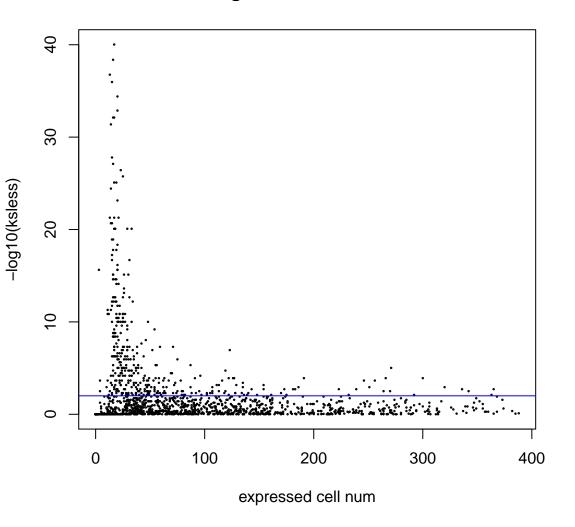
sig\_KStwoside: 67.867%



sig\_KSgreater: 57.933%



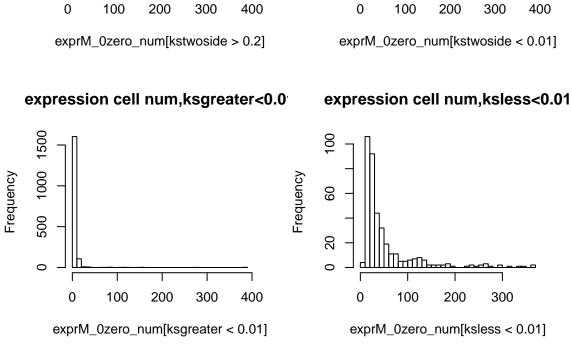
sig\_KSless: 12.833%



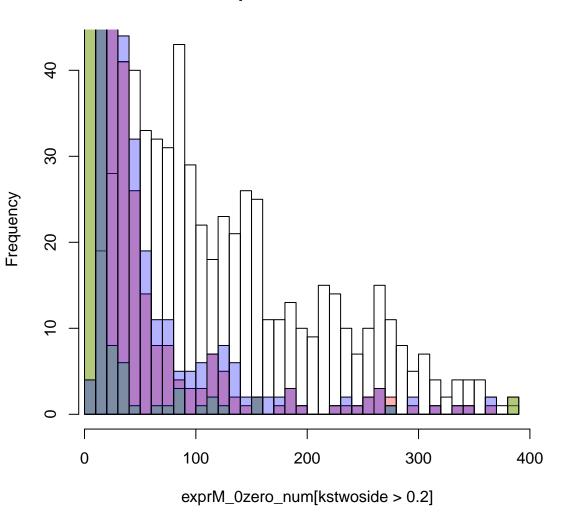
Frequency Frequency 

expression cell num,kstwoside<0.0

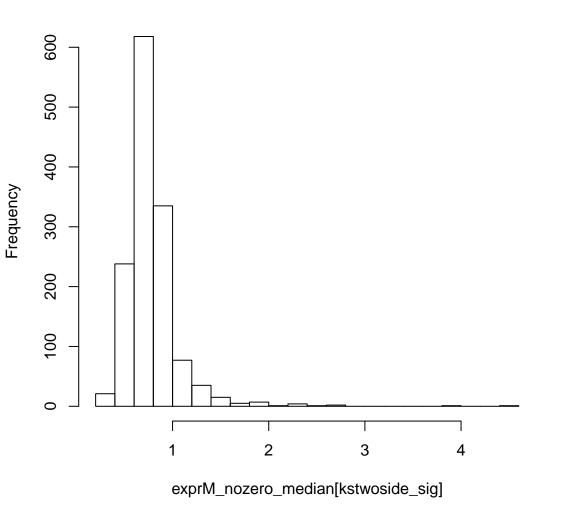
expression cell num,kstwoside>0.2



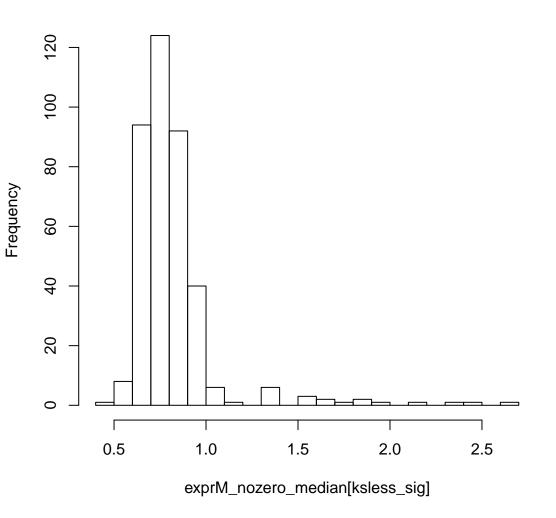
#### expression cell num



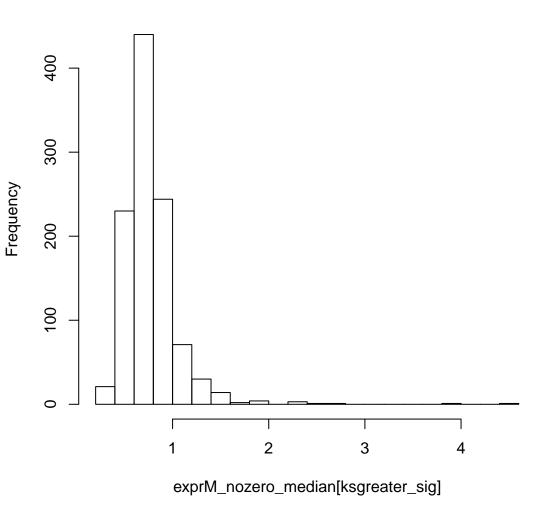
#### median of nozero log-expres of genes, kstwoside sig



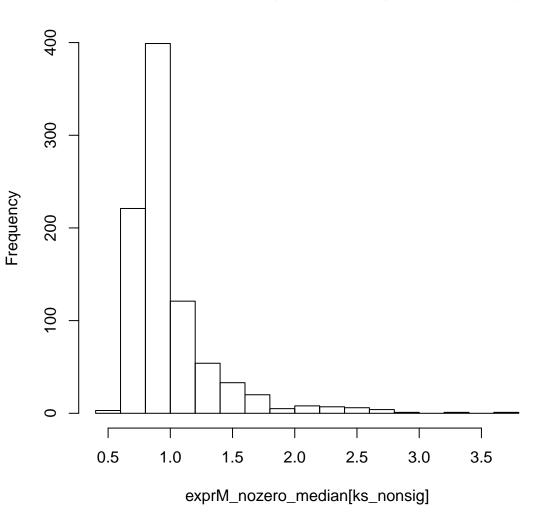
#### median of nozero log-expres of genes, ksless sig



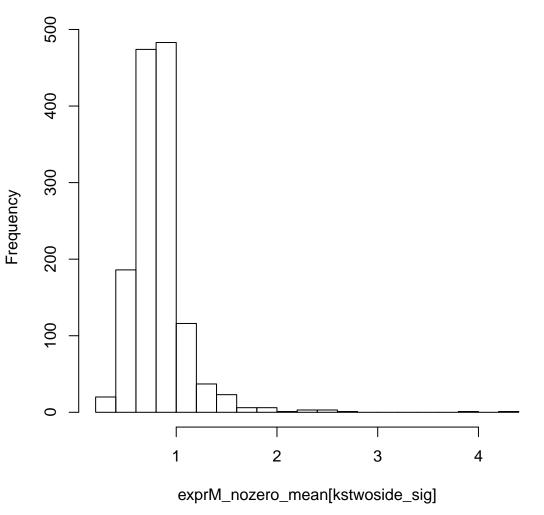
#### median of nozero log-expres of genes,ksgreater sig



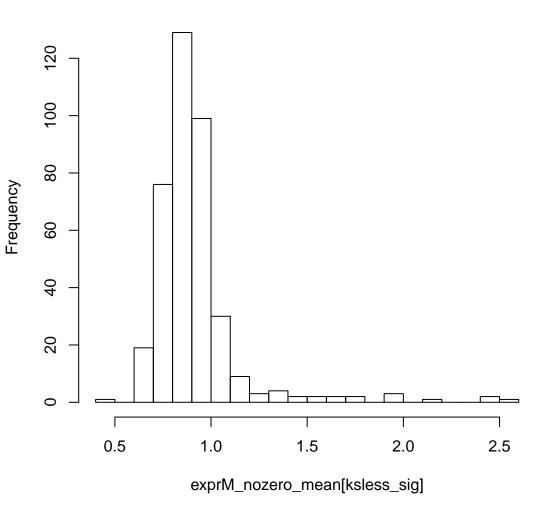
#### median of nozero log-expres of genes,ks no sig



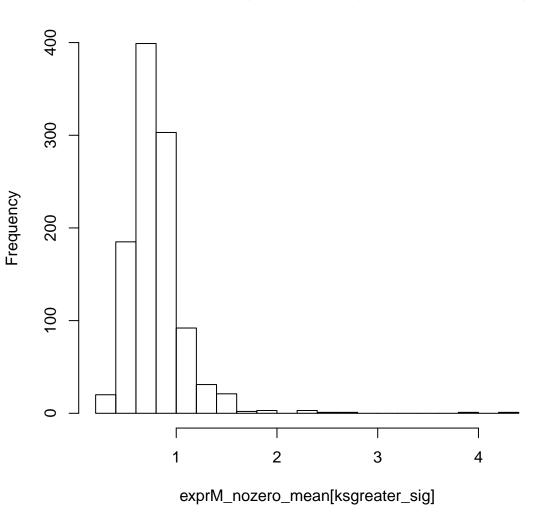
#### mean of nozero log-expres of genes, kstwoside sig



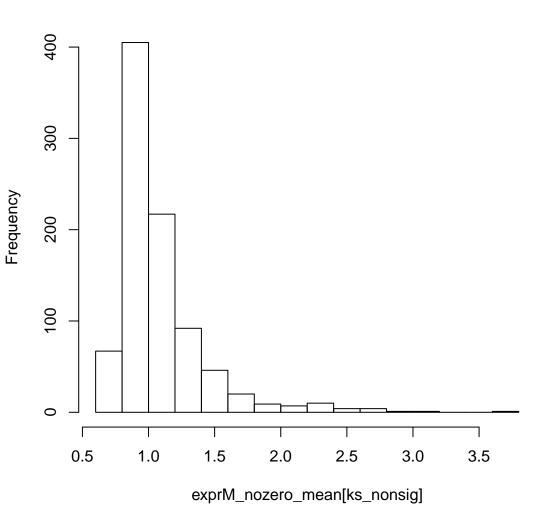
#### mean of nozero log-expres of genes, ksless sig



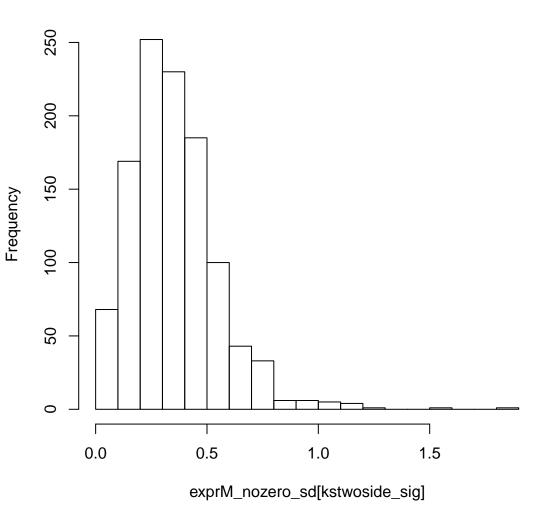
### mean of nozero log-expres of genes,ksgreater sig



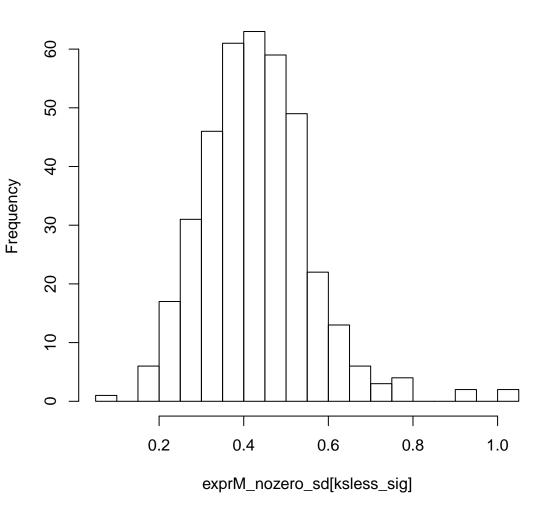
#### mean of nozero log-expres of genes,ks no sig



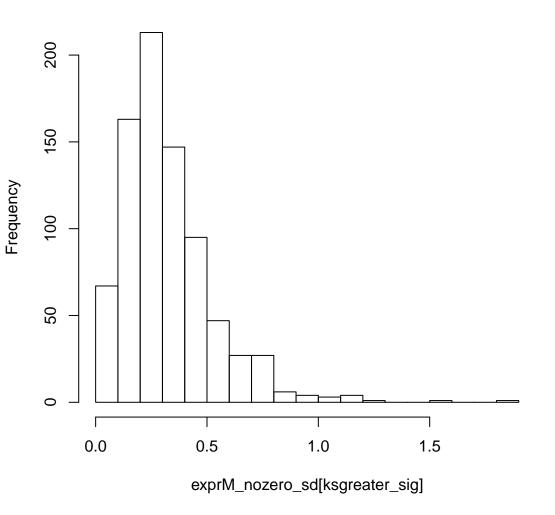
#### sd of nozero log-expres of genes, kstwoside sig



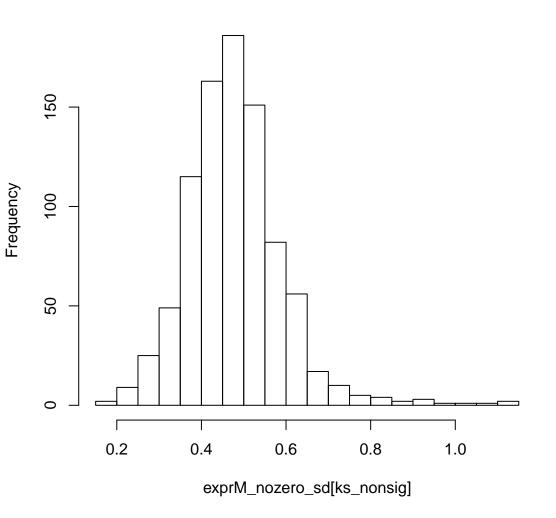
#### sd of nozero log-expres of genes, ksless sig



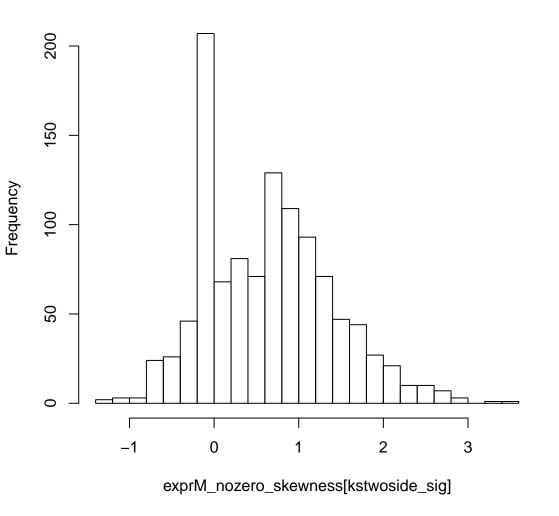
#### sd of nozero log-expres of genes,ksgreater sig



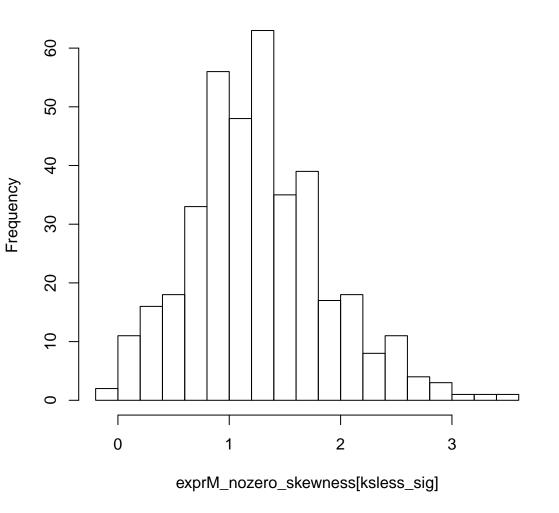
### sd of nozero log-expres of genes,ks no sig



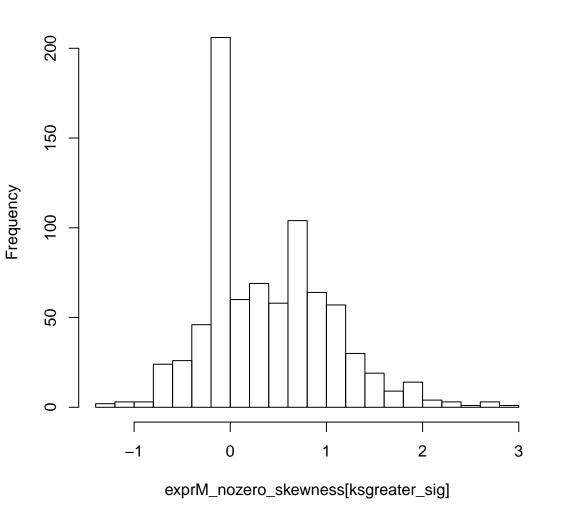
#### skewness of nozero log-expres of genes, kstwoside sig



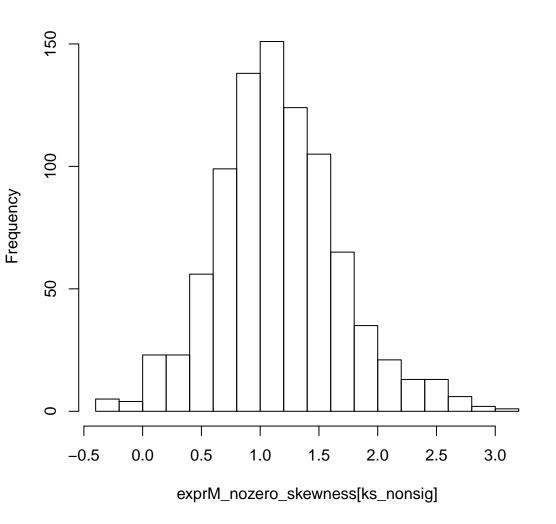
#### skewness of nozero log-expres of genes, ksless sig



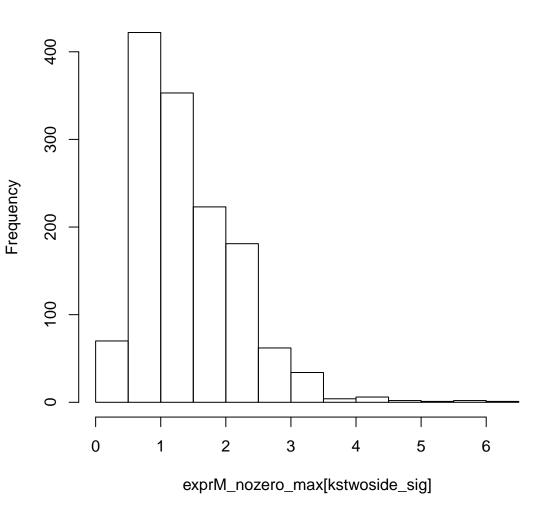
#### skewness of nozero log-expres of genes,ksgreater sig



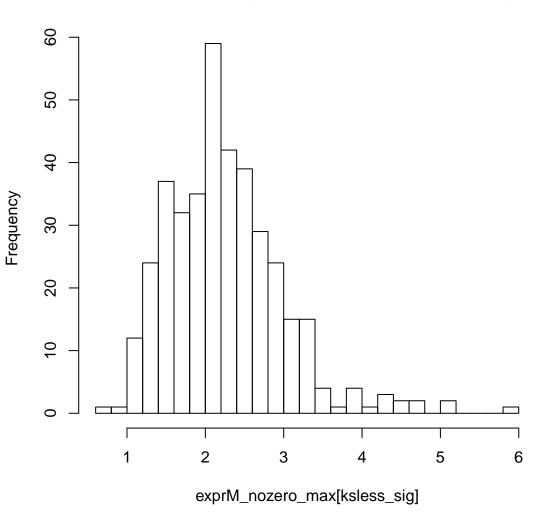
#### skewness of nozero log-expres of genes,ks no sig



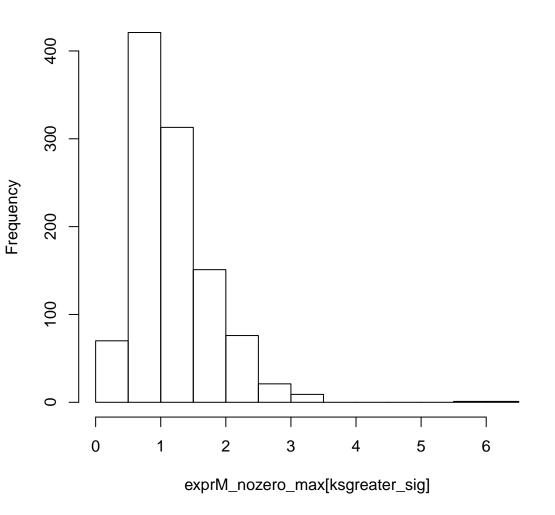
#### max of nozero log-expres of genes, kstwoside sig



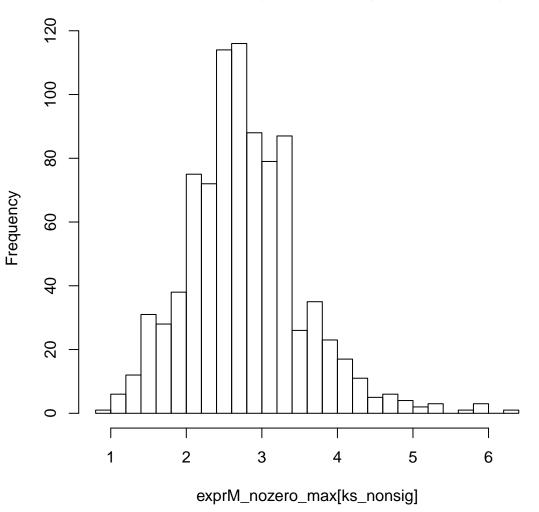
#### max of nozero log-expres of genes, ksless sig



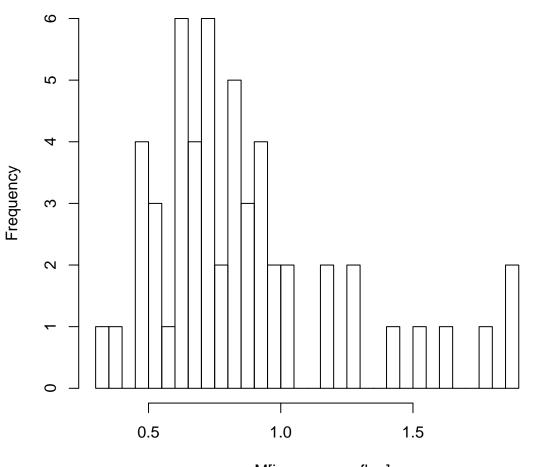
#### max of nozero log-expres of genes,ksgreater sig



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

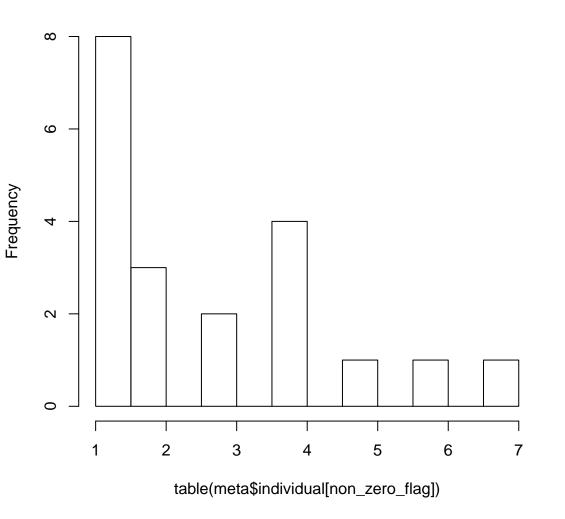


### Sless sig: log expression of gene#2, pval ob=0.1692, non-zero nu

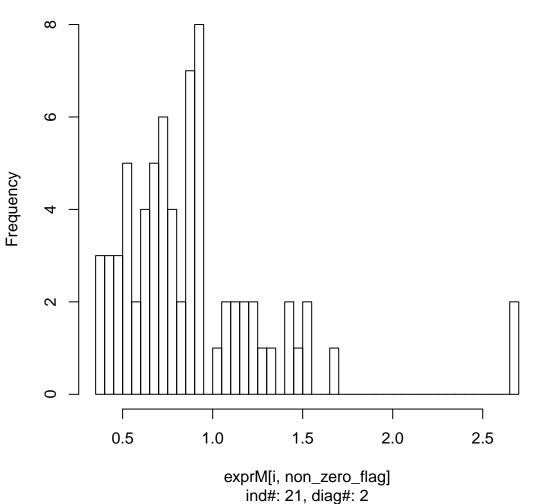


exprM[i, non\_zero\_flag] ind#: 20, diag#: 2

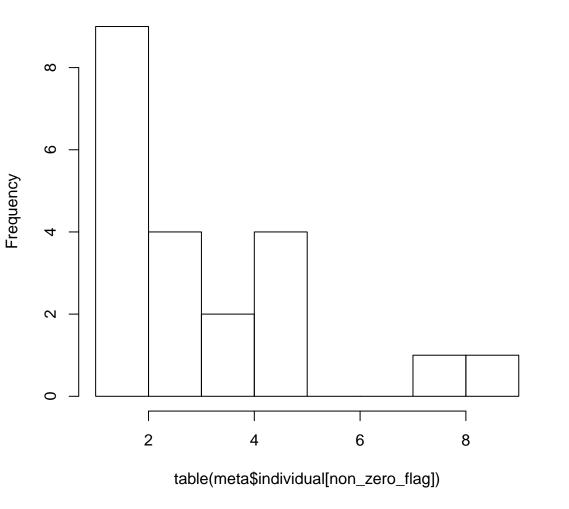
#### KSless sig: individual expression cell count of gene#2



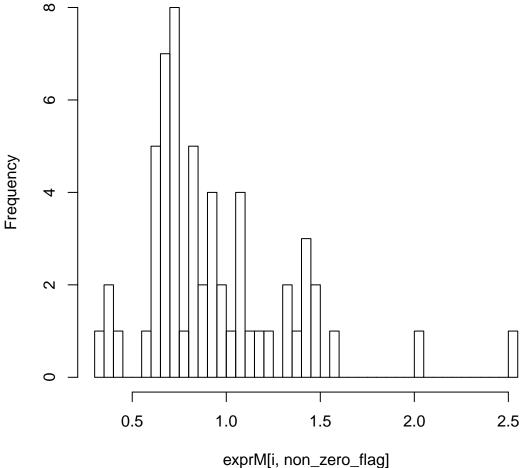
### Sless sig: log expression of gene#7, pval ob=0.7275, non–zero nu



#### KSless sig: individual expression cell count of gene#7

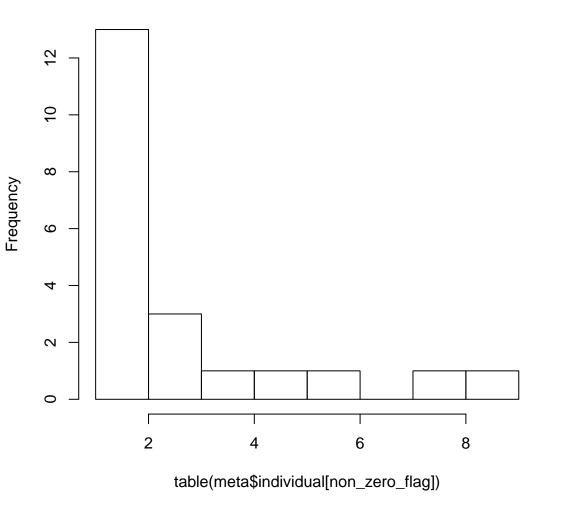


Sless sig: log expression of gene#25, pval ob=0.0804, non-zero n

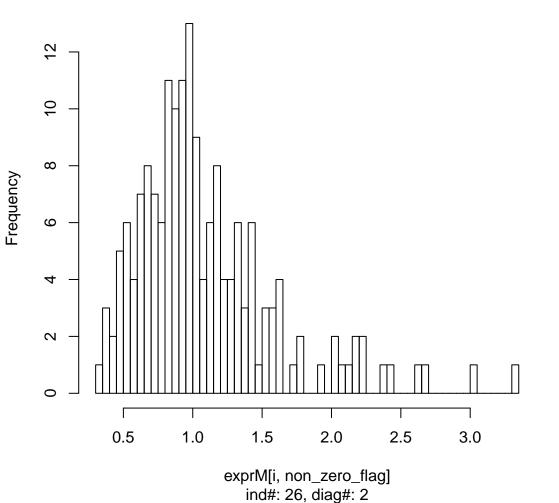


ภาพ[เ, non\_zero\_และ ind#: 21, diag#: 2

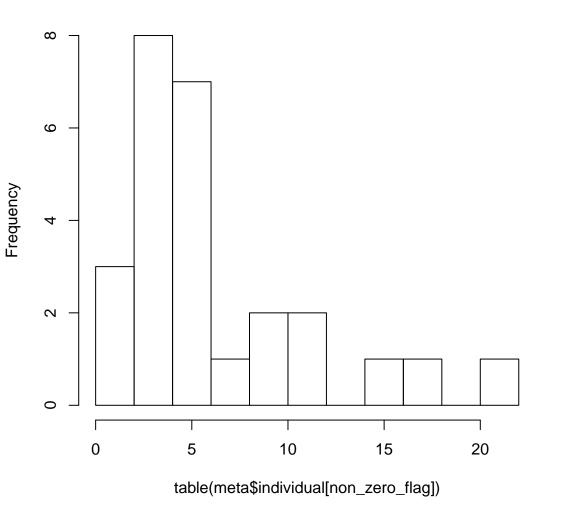
#### KSless sig: individual expression cell count of gene#25



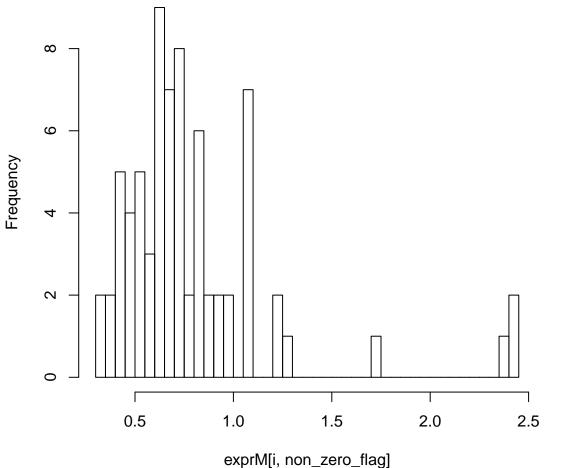
## Sless sig: log expression of gene#53, pval ob=0.362, non–zero nu



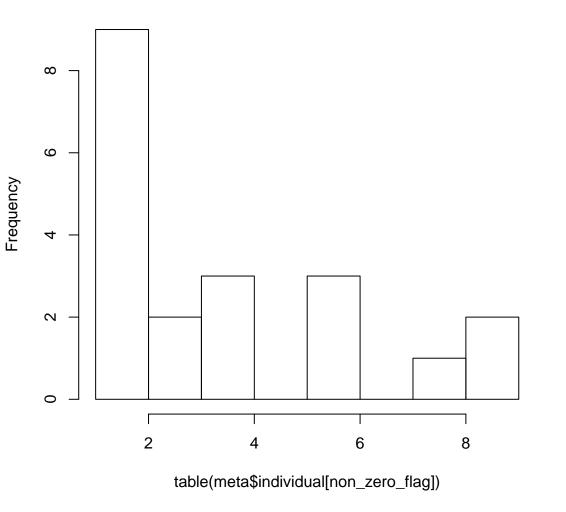
#### KSless sig: individual expression cell count of gene#53



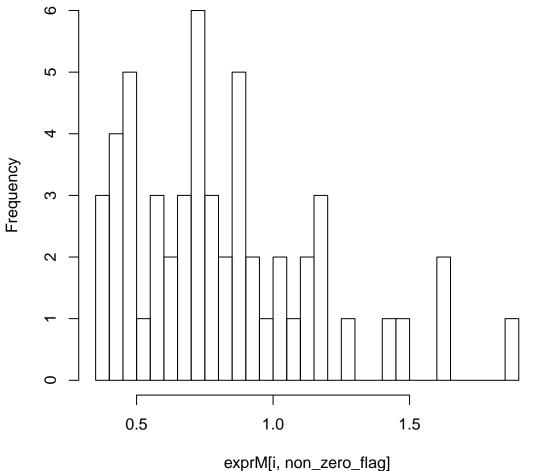
# Sless sig: log expression of gene#64, pval ob=0.8909, non-zero n



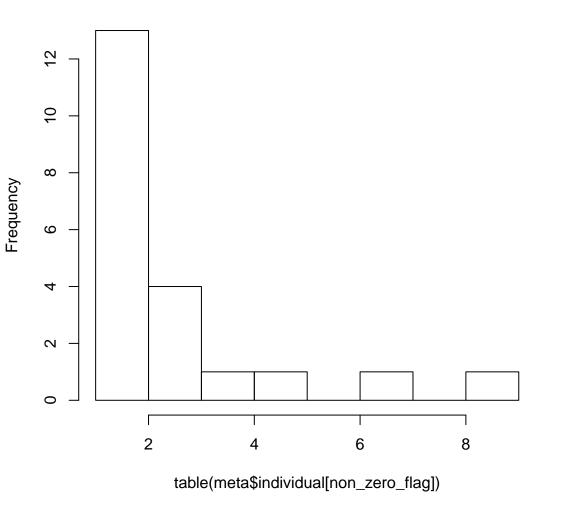
ind#: 20, diag#: 2



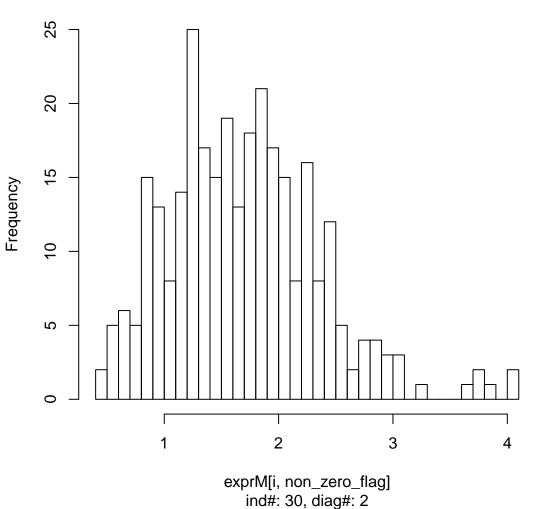
Sless sig: log expression of gene#71, pval ob=0.2256, non–zero n

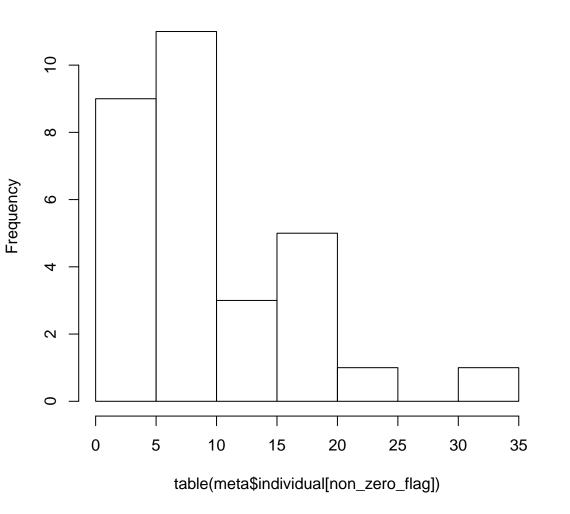


วทฟ[เ, non\_zero\_ณลg ind#: 21, diag#: 2

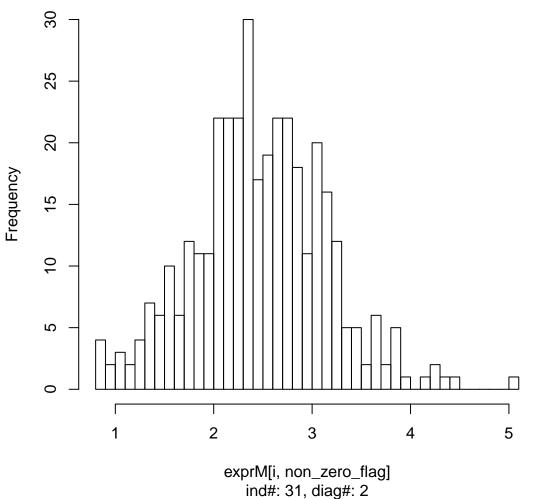


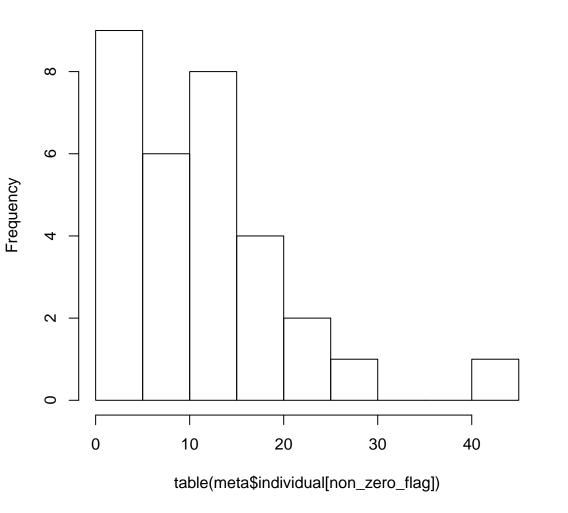
less sig: log expression of gene#76, pval ob=0.0058, non-zero nu



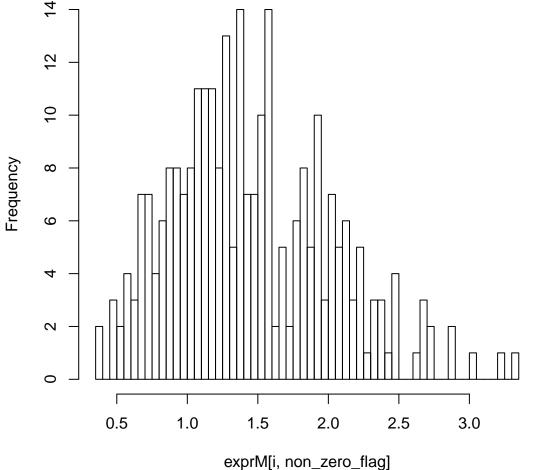


ess sig: log expression of gene#119, pval ob=0.0928, non-zero n

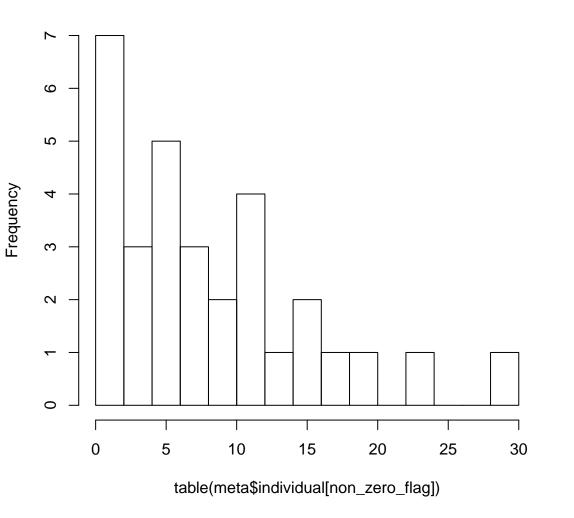




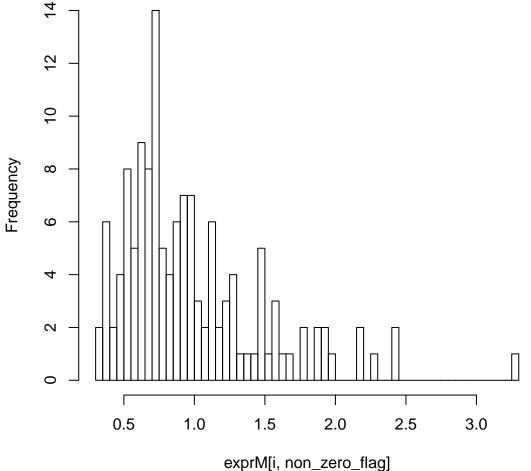
ess sig: log expression of gene#130, pval ob=0.7968, non-zero n



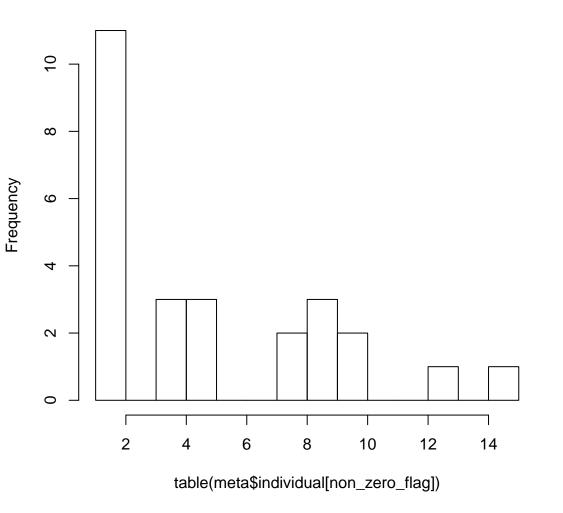
วทฟุเ, non\_zero\_กลg ind#: 31, diag#: 2



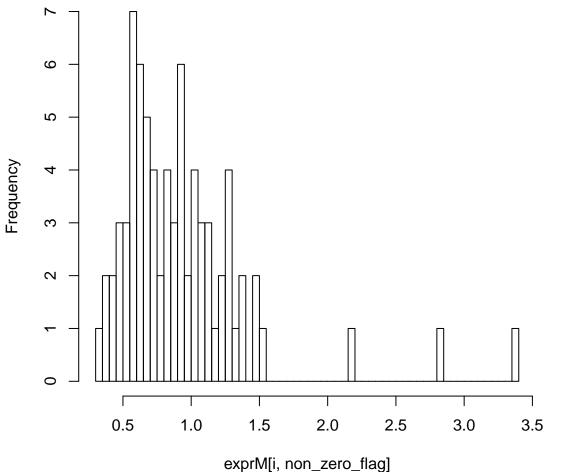
ess sig: log expression of gene#137, pval ob=0.2434, non-zero n



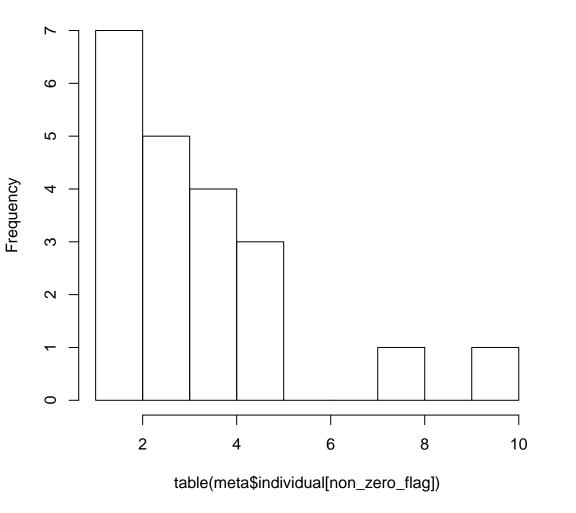
orM[i, non\_zero\_แag ind#: 26, diag#: 2



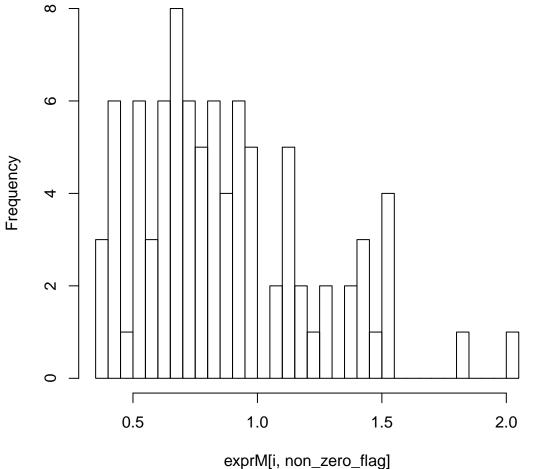
# S nonsig: log expression of gene#1, pval ob=0.8562, non-zero nu



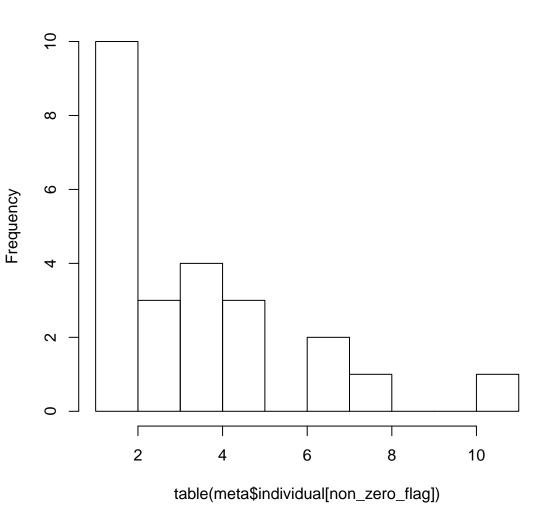
ind#: 21, diag#: 2



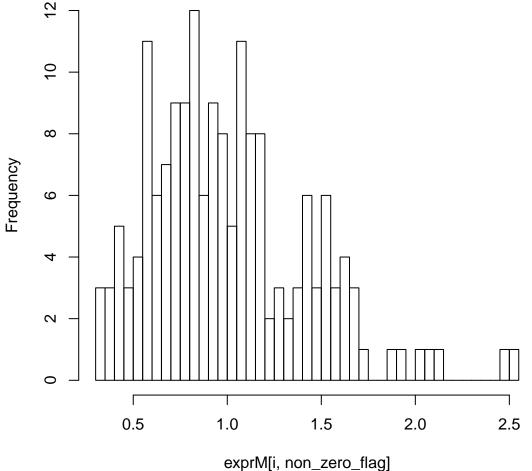
## S nonsig: log expression of gene#5, pval ob=0.4671, non-zero nu



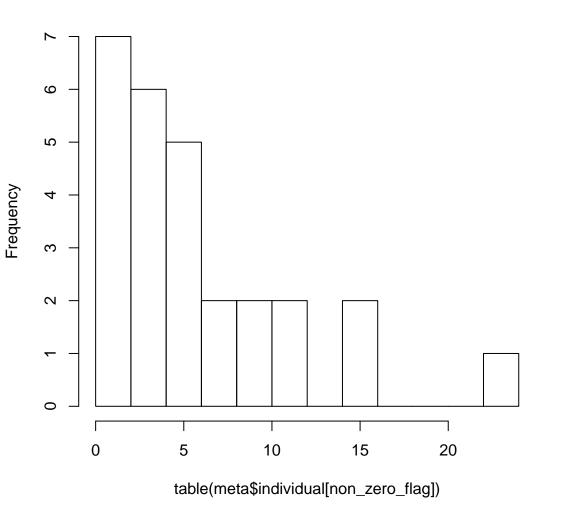
ind#: 24, diag#: 2



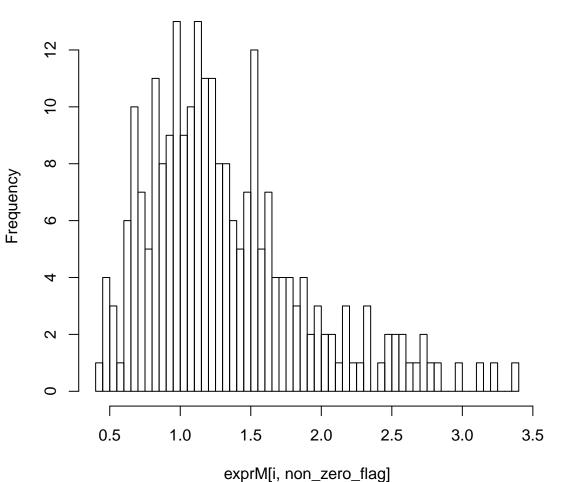
# S nonsig: log expression of gene#8, pval ob=0.4973, non–zero nu



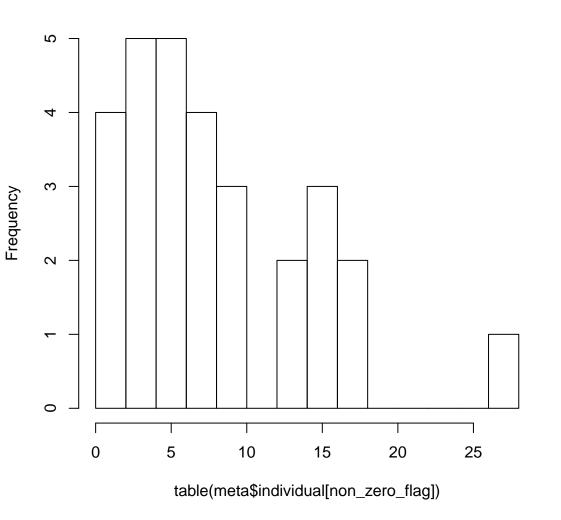
ind#: 27, diag#: 2



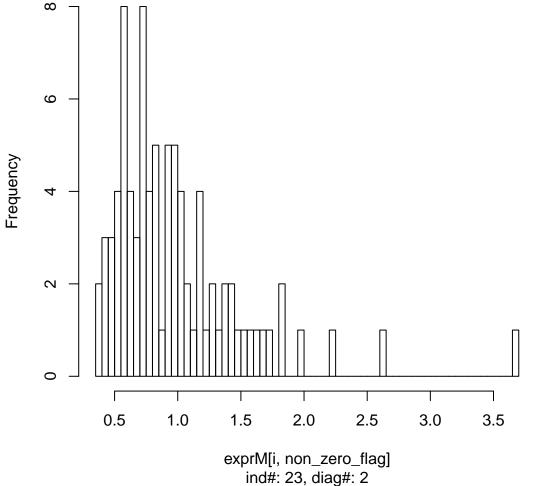
s nonsig: log expression of gene#17, pval ob=0.3821, non–zero nເ

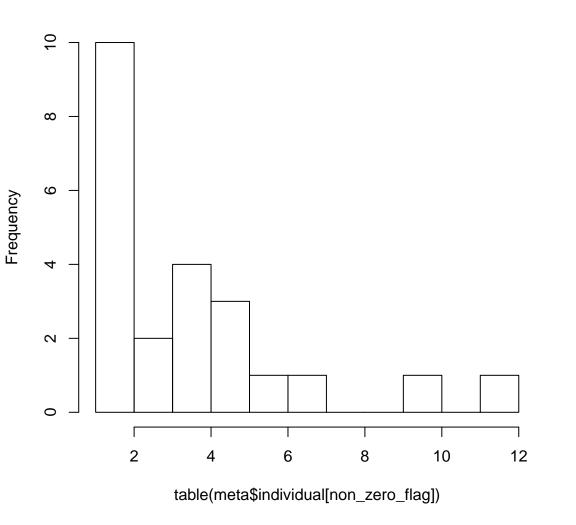


ind#: 29, diag#: 2

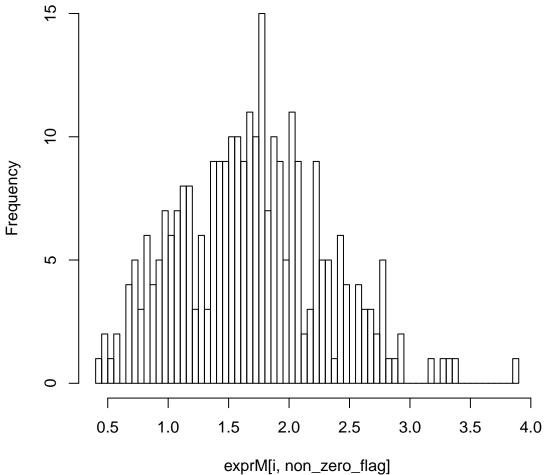


S nonsig: log expression of gene#20, pval ob=0.2667, non–zero n

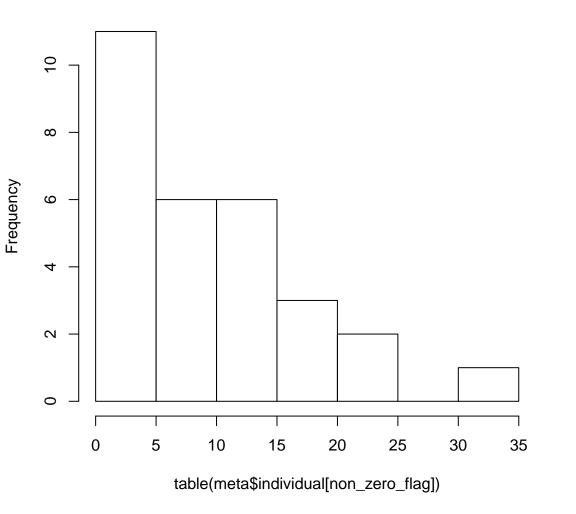




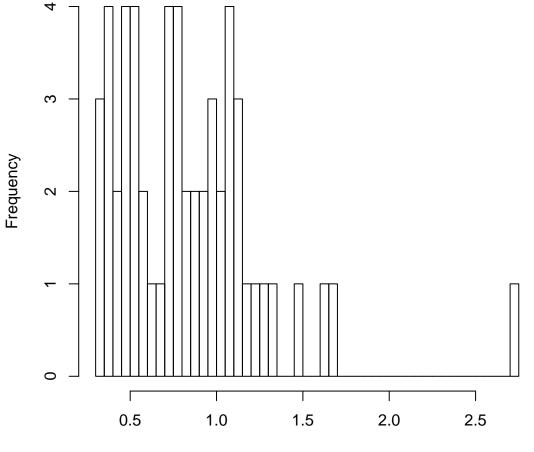
inonsig: log expression of gene#23, pval ob=0.5546, non–zero nເ



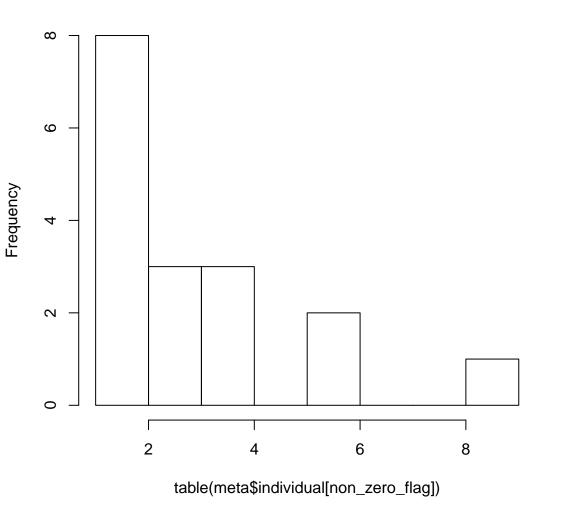
ind#: 29, diag#: 2



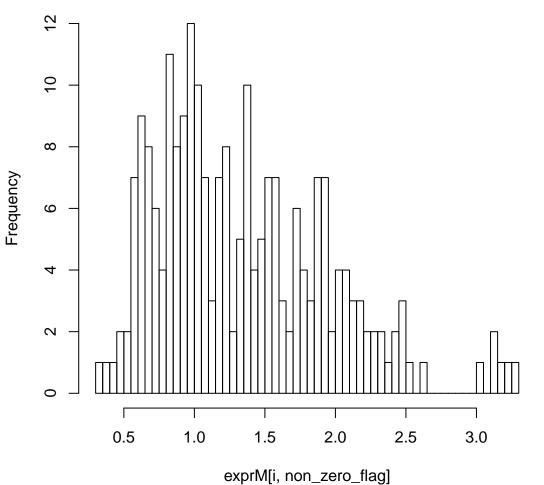
# S nonsig: log expression of gene#26, pval ob=0.4128, non-zero n



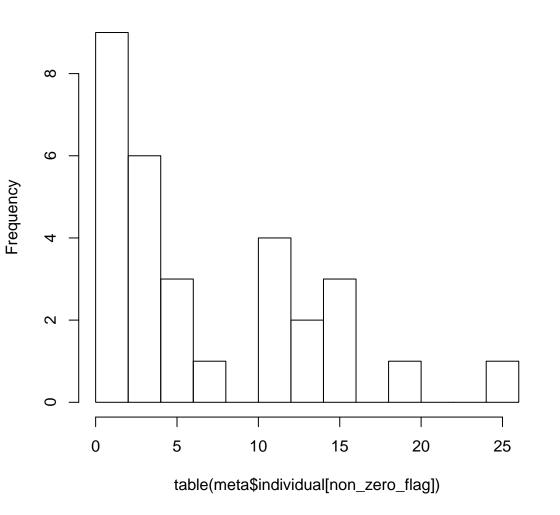
exprM[i, non\_zero\_flag] ind#: 17, diag#: 2



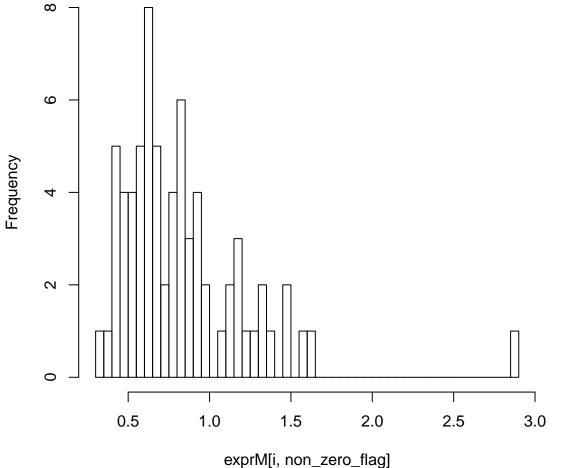
ronsig: log expression of gene#32, pval ob=0.8006, non–zero nເ



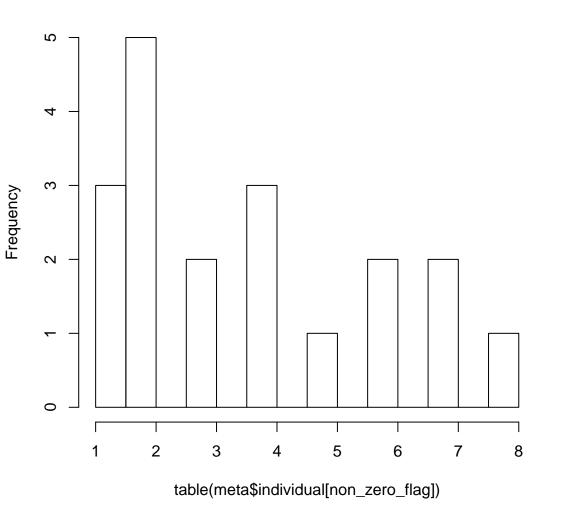
ind#: 30, diag#: 2



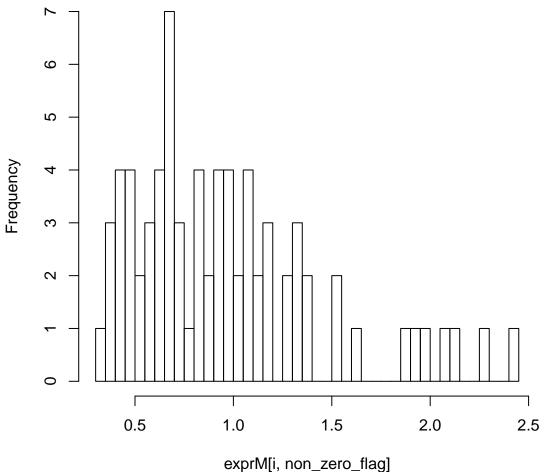
S nonsig: log expression of gene#35, pval ob=0.4677, non-zero n



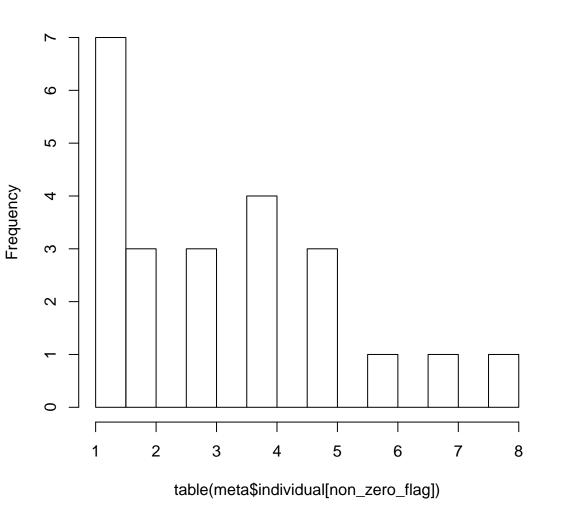
ind#: 19, diag#: 2



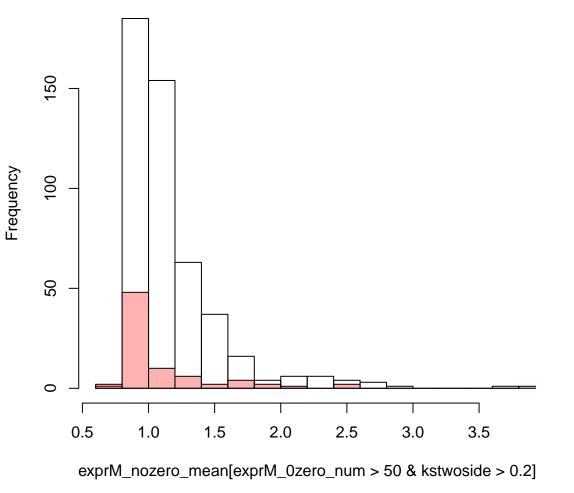
# S nonsig: log expression of gene#36, pval ob=0.3315, non-zero n



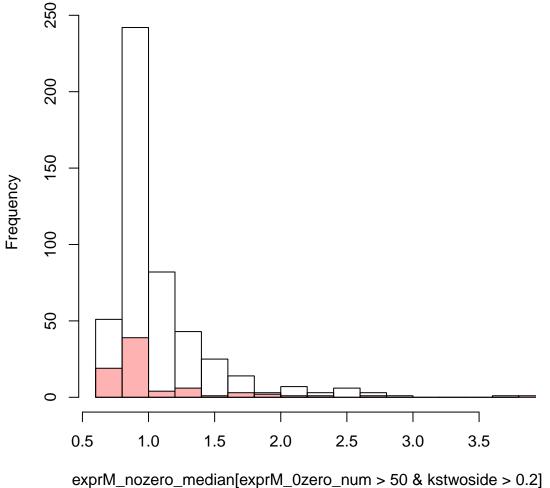
ind#: 23, diag#: 2



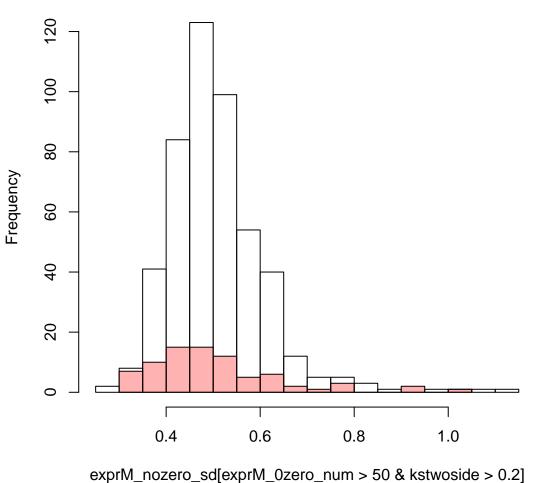
ogram of exprM\_nozero\_mean[exprM\_0zero\_num > 50 & kstwosi



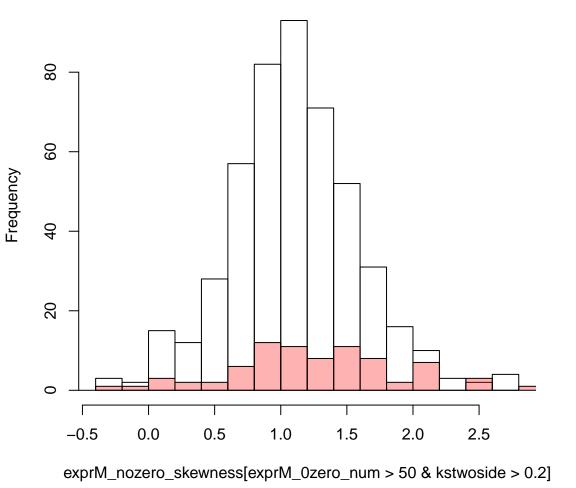
ogram of exprM\_nozero\_median[exprM\_0zero\_num > 50 & kstwos

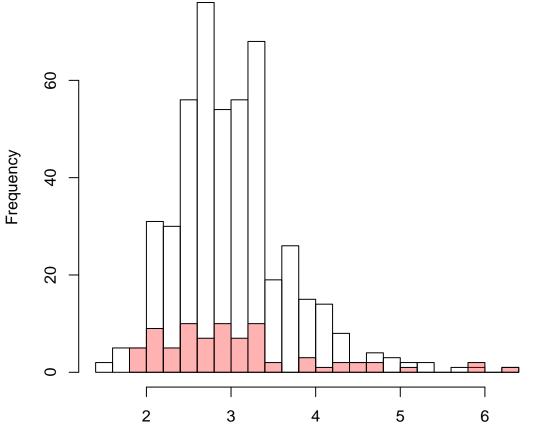


stogram of exprM\_nozero\_sd[exprM\_0zero\_num > 50 & kstwoside



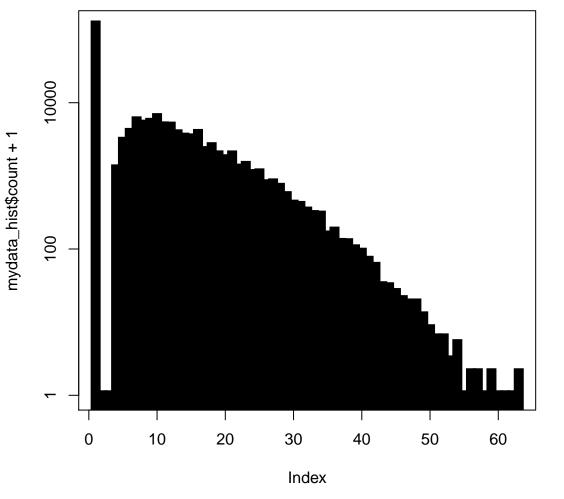
jram of exprM\_nozero\_skewness[exprM\_0zero\_num > 50 & kstwo



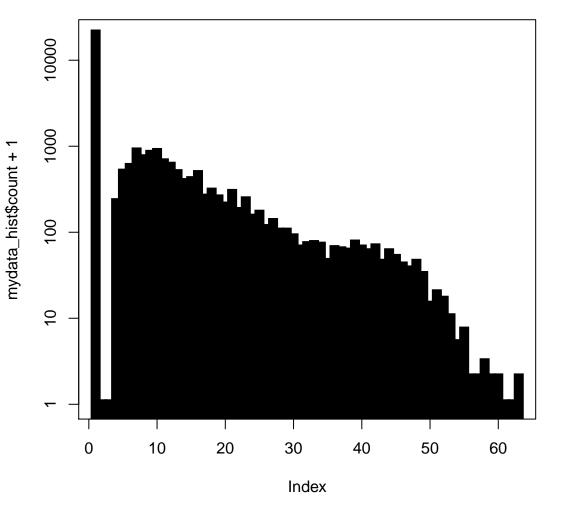


exprM\_nozero\_max[exprM\_0zero\_num > 50 & kstwoside > 0.2]

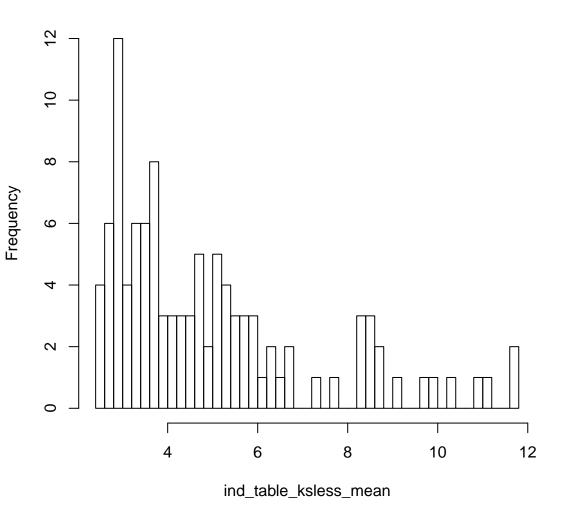
enes log(expression +1) with least 50 cell expression and kstwosi



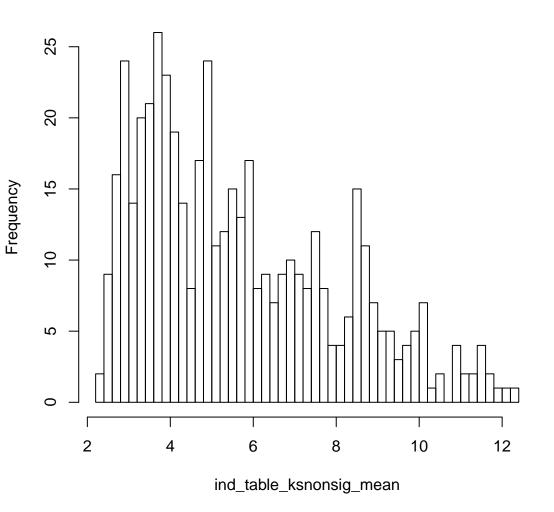
nes log(expression +1) with least 50 cell expression and kstwosic



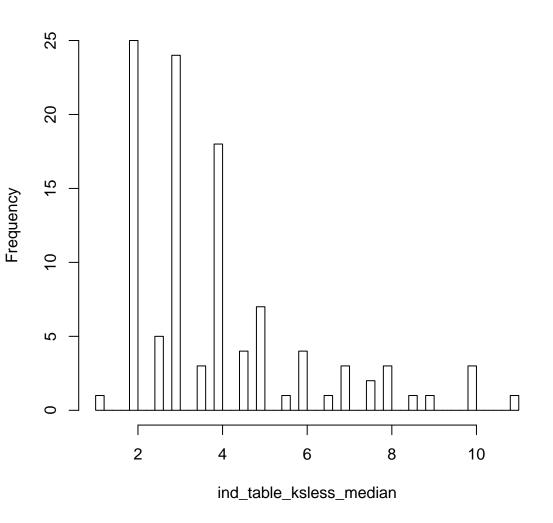
# Histogram of ind\_table\_ksless\_mean



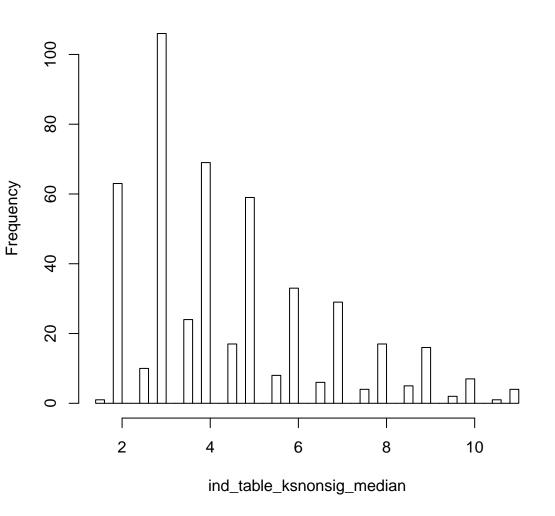
#### Histogram of ind\_table\_ksnonsig\_mean



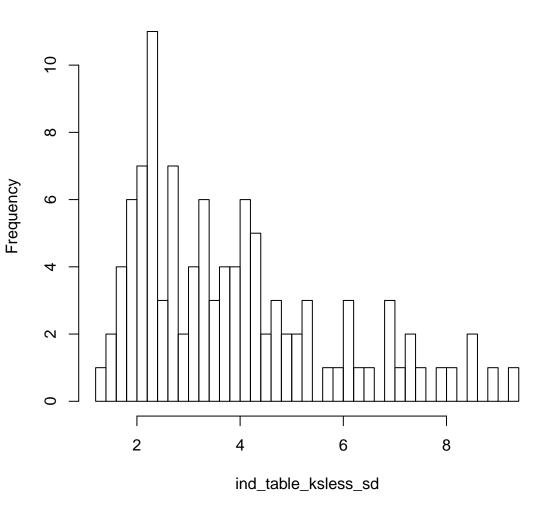
# Histogram of ind\_table\_ksless\_median



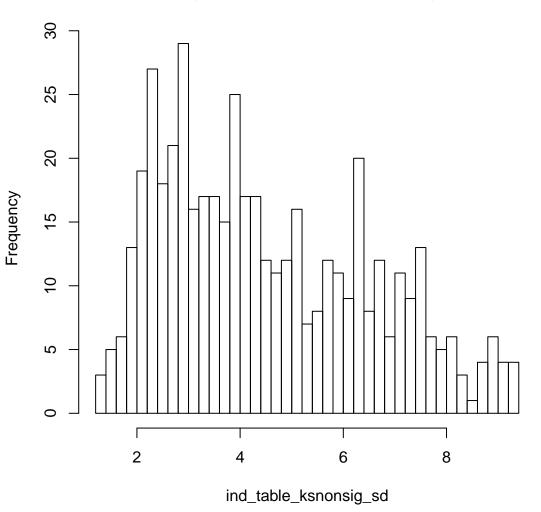
#### Histogram of ind\_table\_ksnonsig\_median



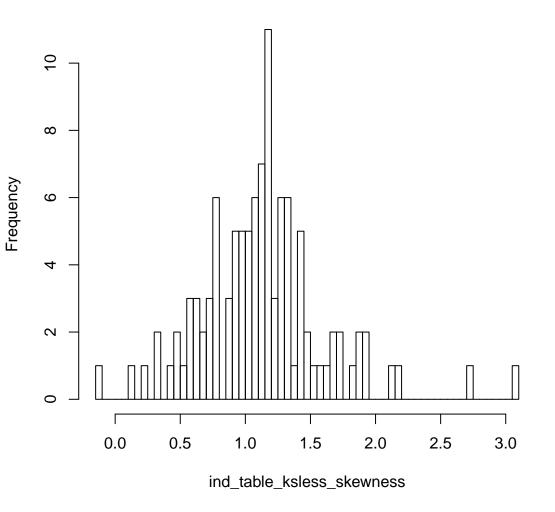
# Histogram of ind\_table\_ksless\_sd



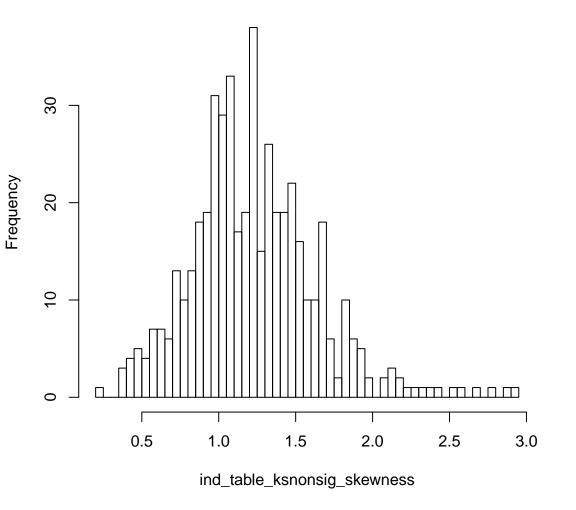
# Histogram of ind\_table\_ksnonsig\_sd



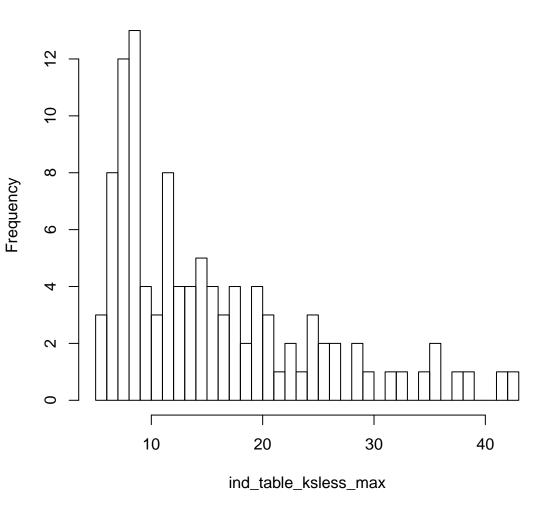
#### Histogram of ind\_table\_ksless\_skewness



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



# Histogram of ind\_table\_ksless\_max



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

