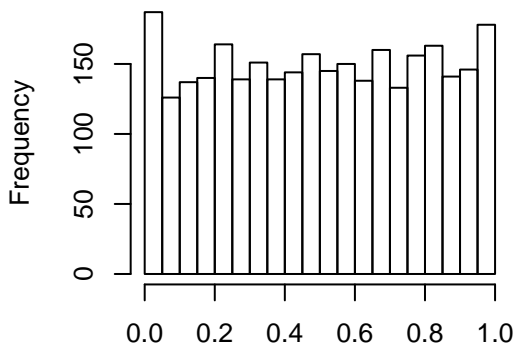
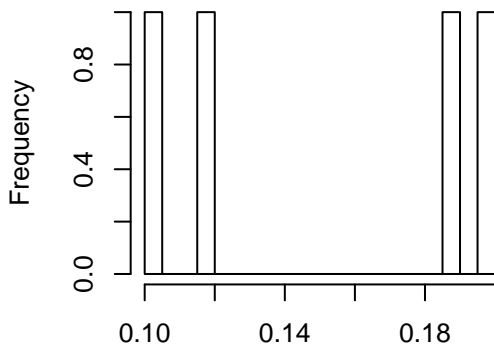


perm pvalues



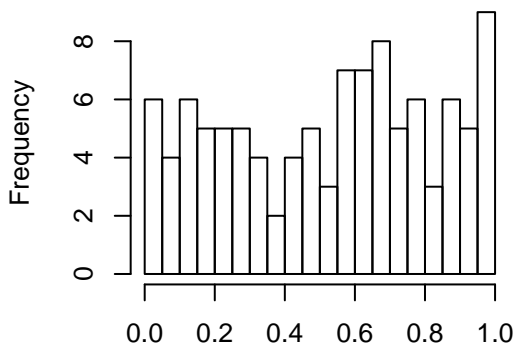
rawp
n=2994

s,rawM_0zero_num<max(20,min(rawM_0zero_num,100))



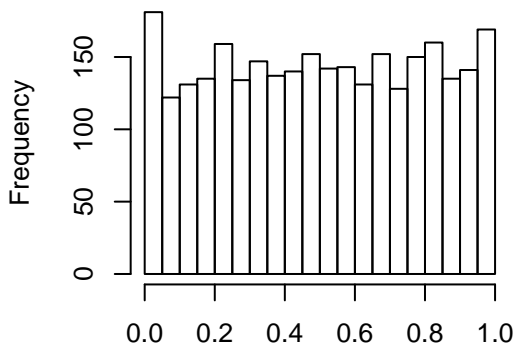
rawp[rawM_0zero_num < max(20, min(rawM_0zero_num, 100))]
n=4, ks_pval=0.0285714285714287

perm pvalues,rawM_0zero_num 20-



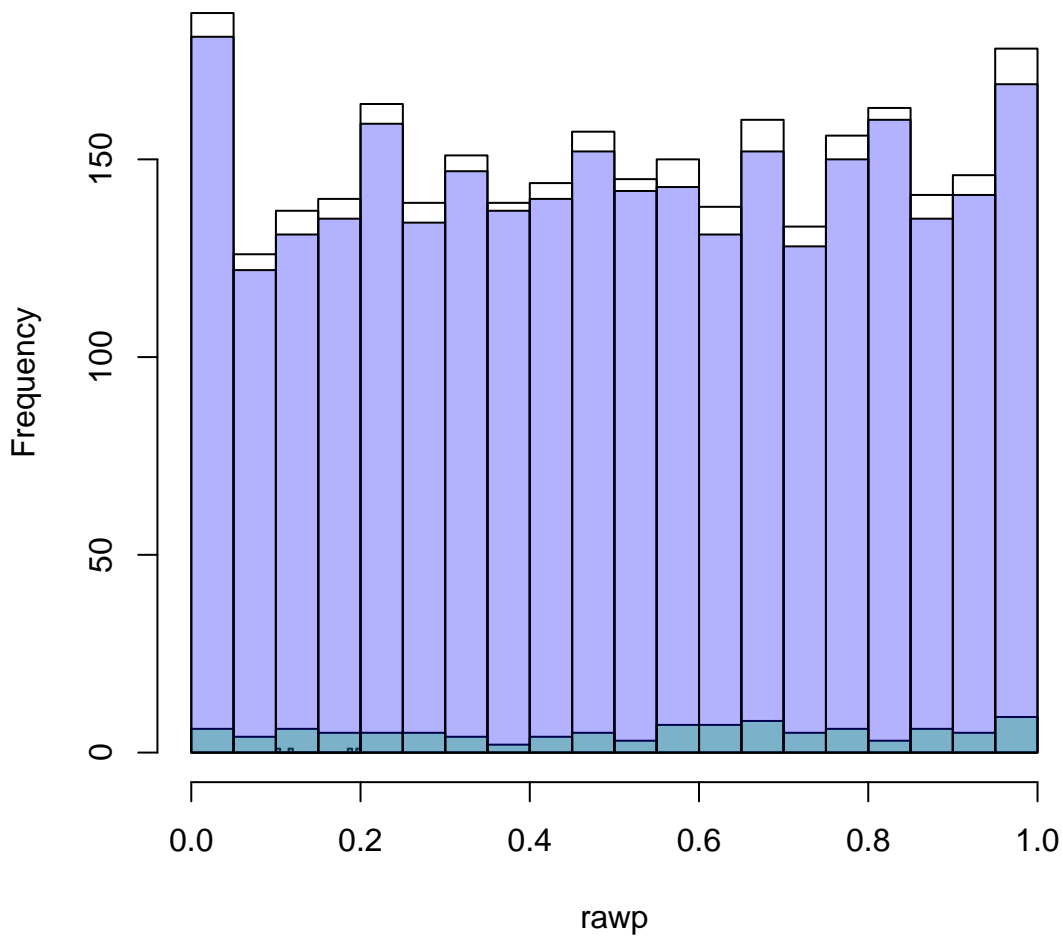
rawp[rawM_0zero_num >= 20 & rawM_0zero_num < 100]
n=105, ks_pval=0.835231725070332

perm pvalues,rawM_0zero_num>=100

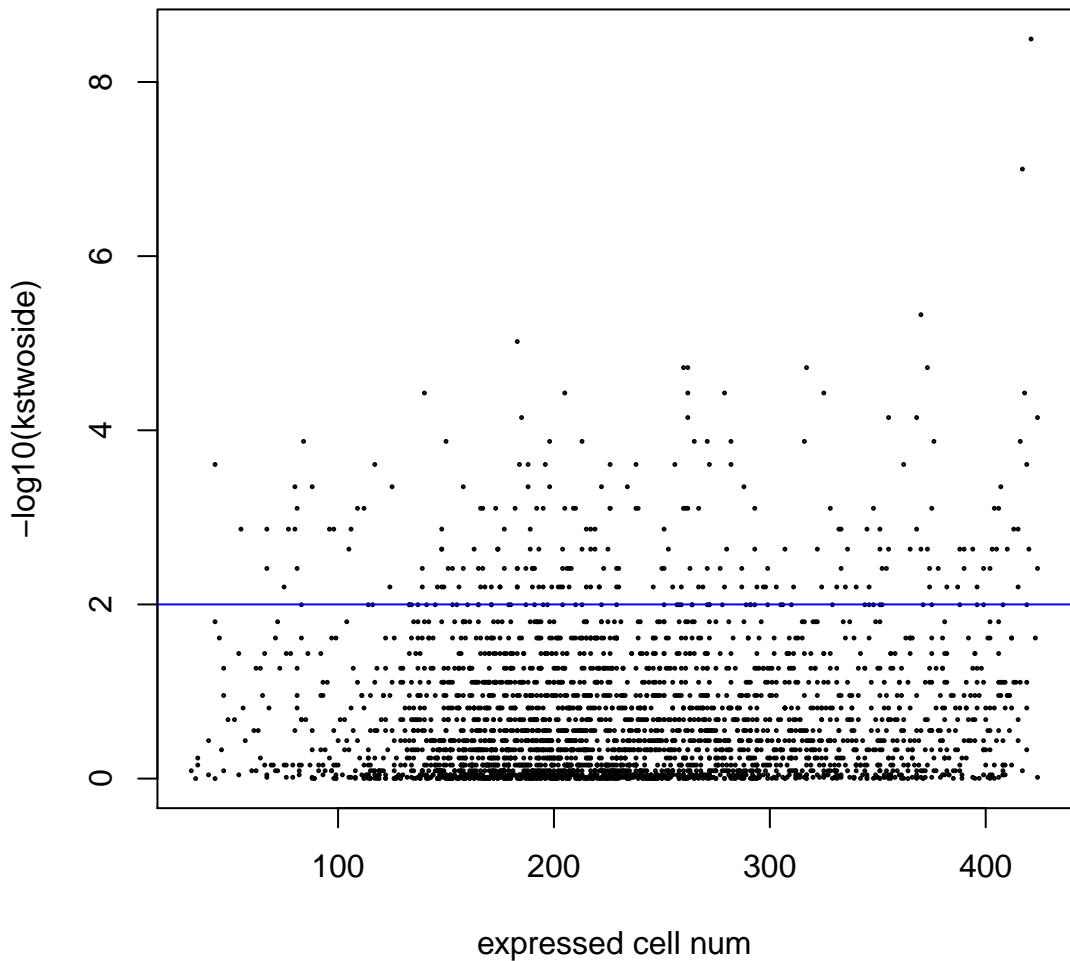


rawp[rawM_0zero_num >= 100]
n=2889, ks_pval=0.518905488694572

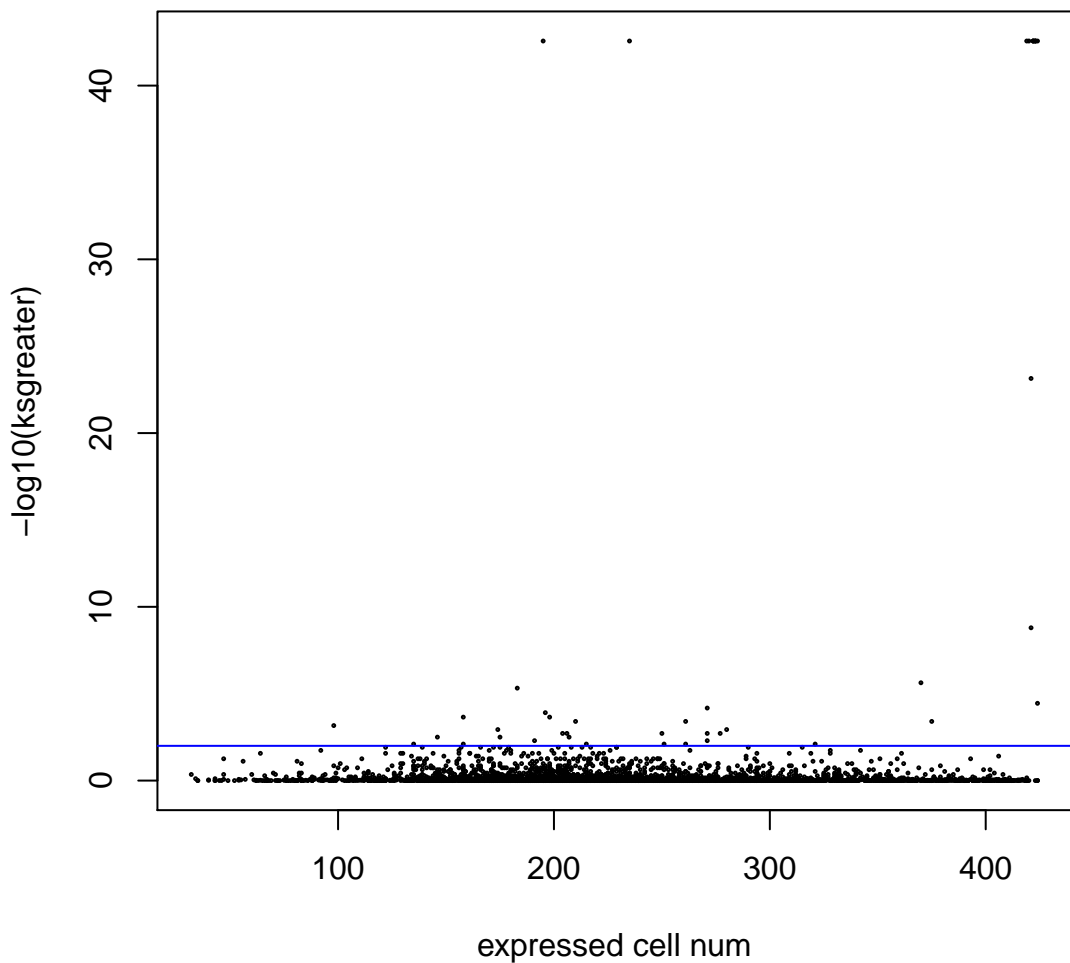
perm pvalues



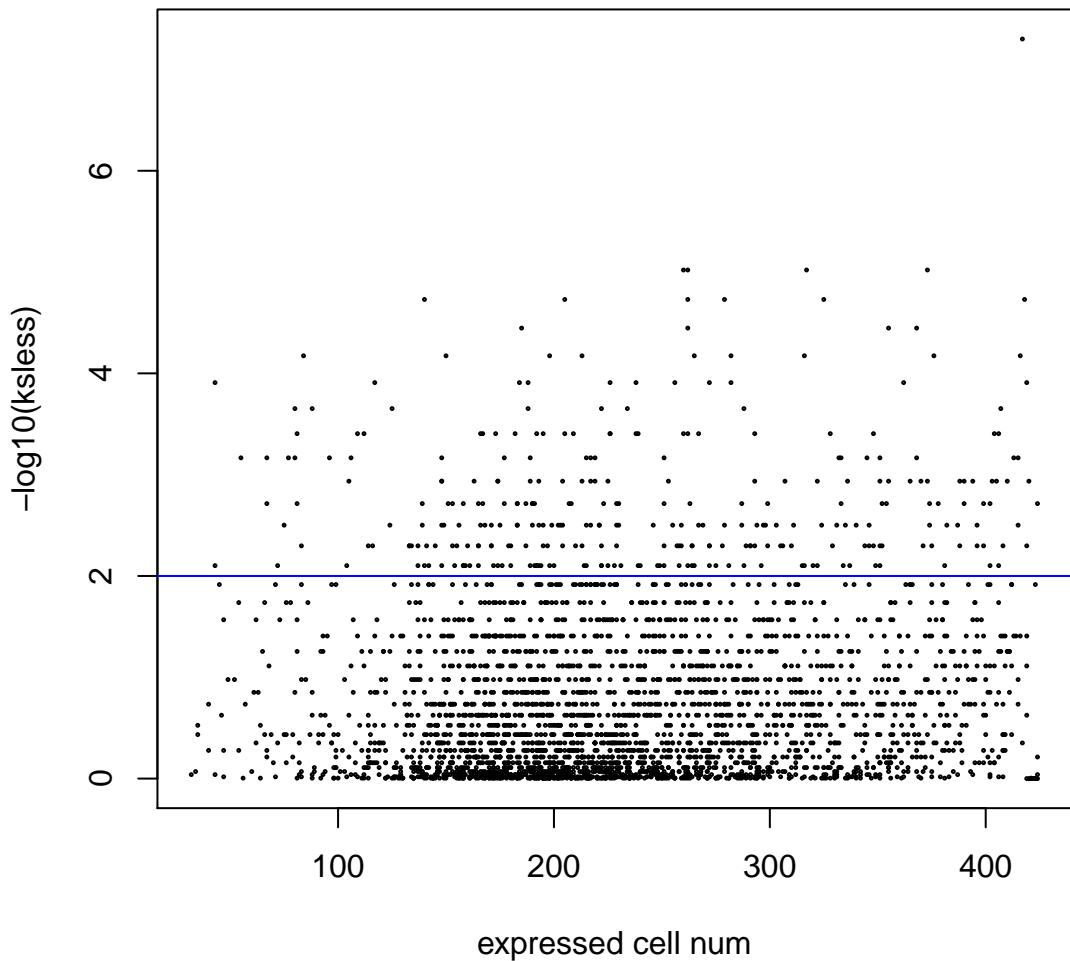
sig_KStwoside: 7.682%



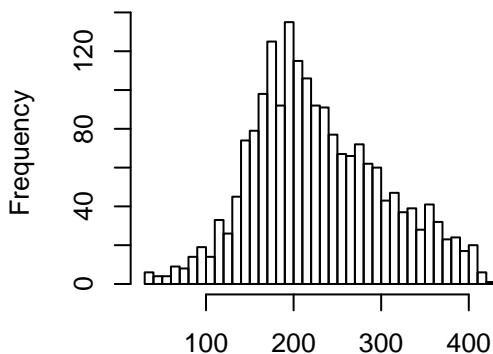
sig_KSgreater: 1.403%



sig_KSless: 10.321%

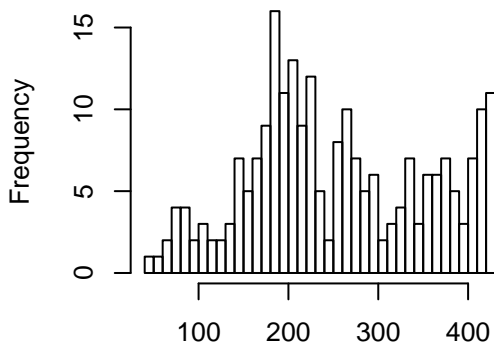


expression cell num,kstwside>0.2



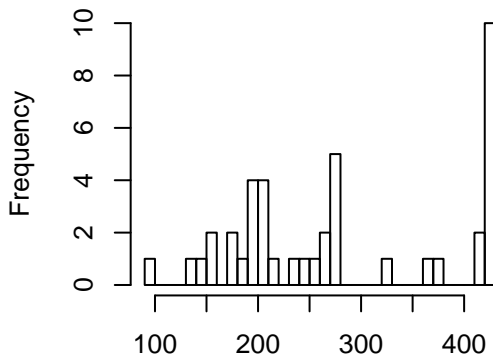
rawM_0zero_num[kstwside > 0.2]

expression cell num,kstwside<0.01



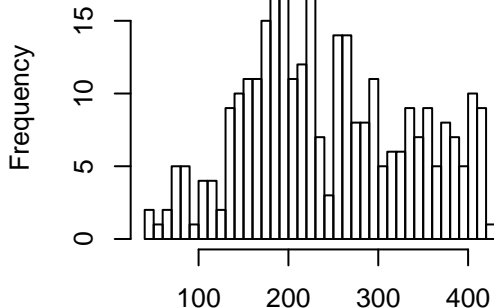
rawM_0zero_num[kstwside < 0.01]

expression cell num,ksgreater<0.01



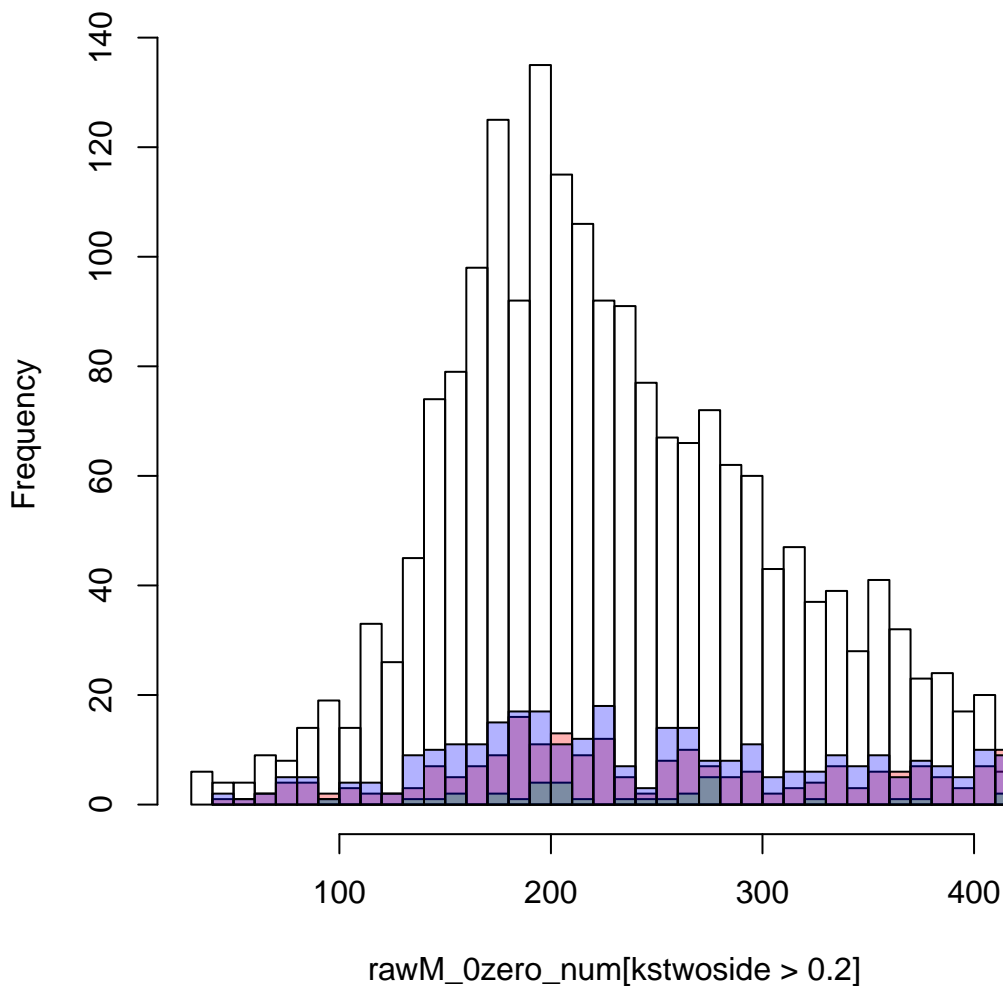
rawM_0zero_num[ksgreater < 0.01]

expression cell num,ksless<0.01

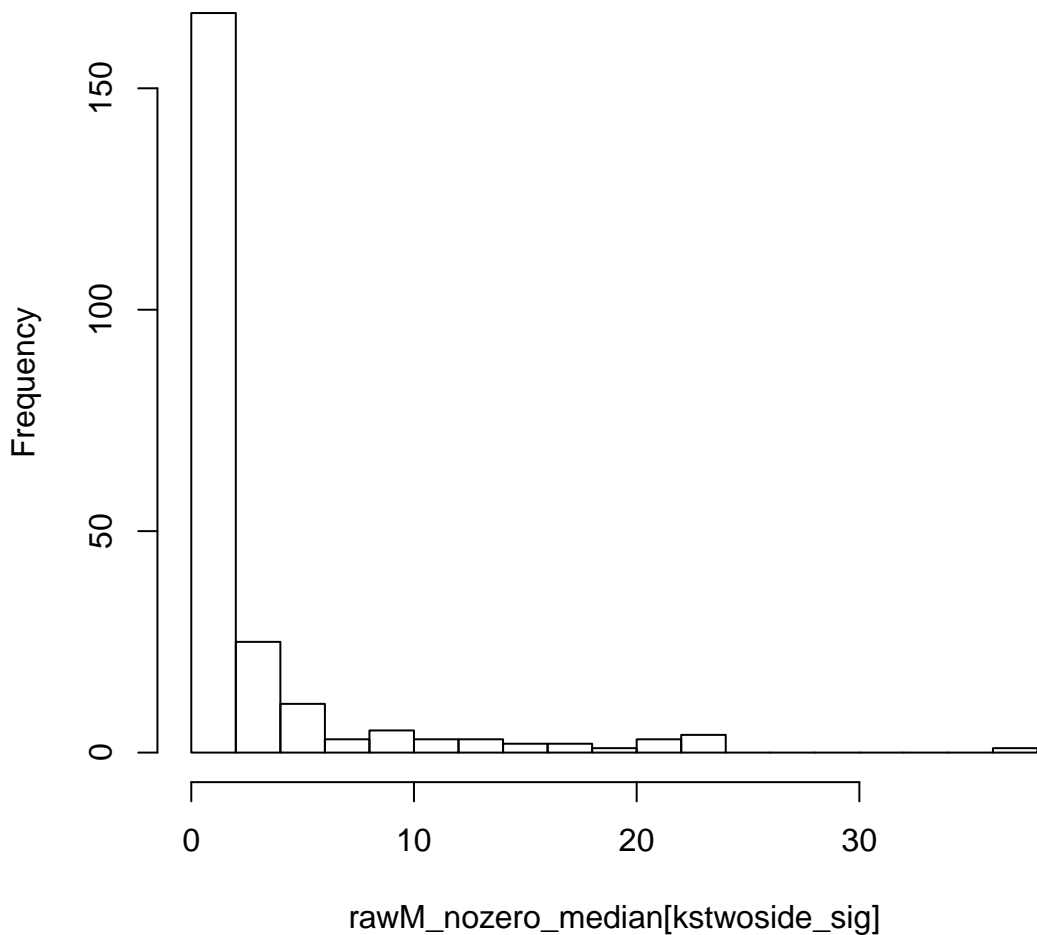


rawM_0zero_num[ksless < 0.01]

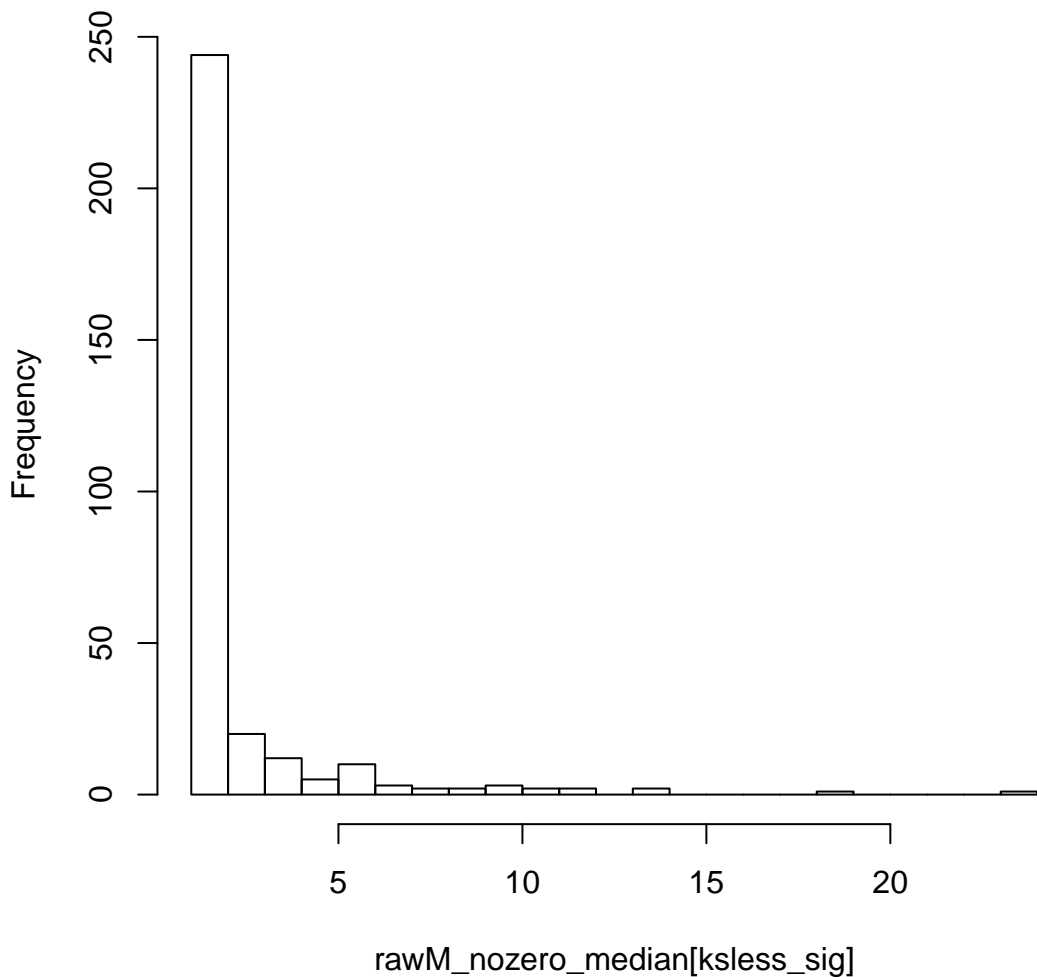
expression cell num



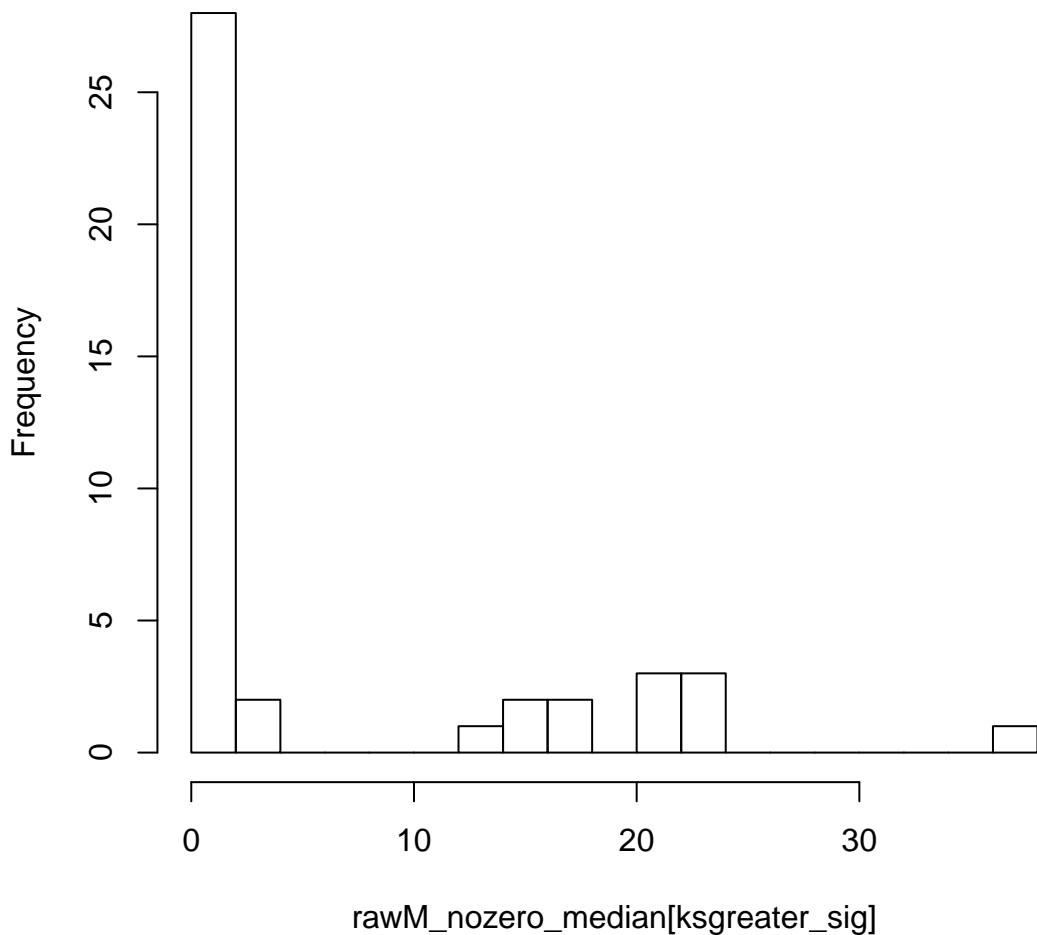
median of nozero log-express of genes, kstwoside sig



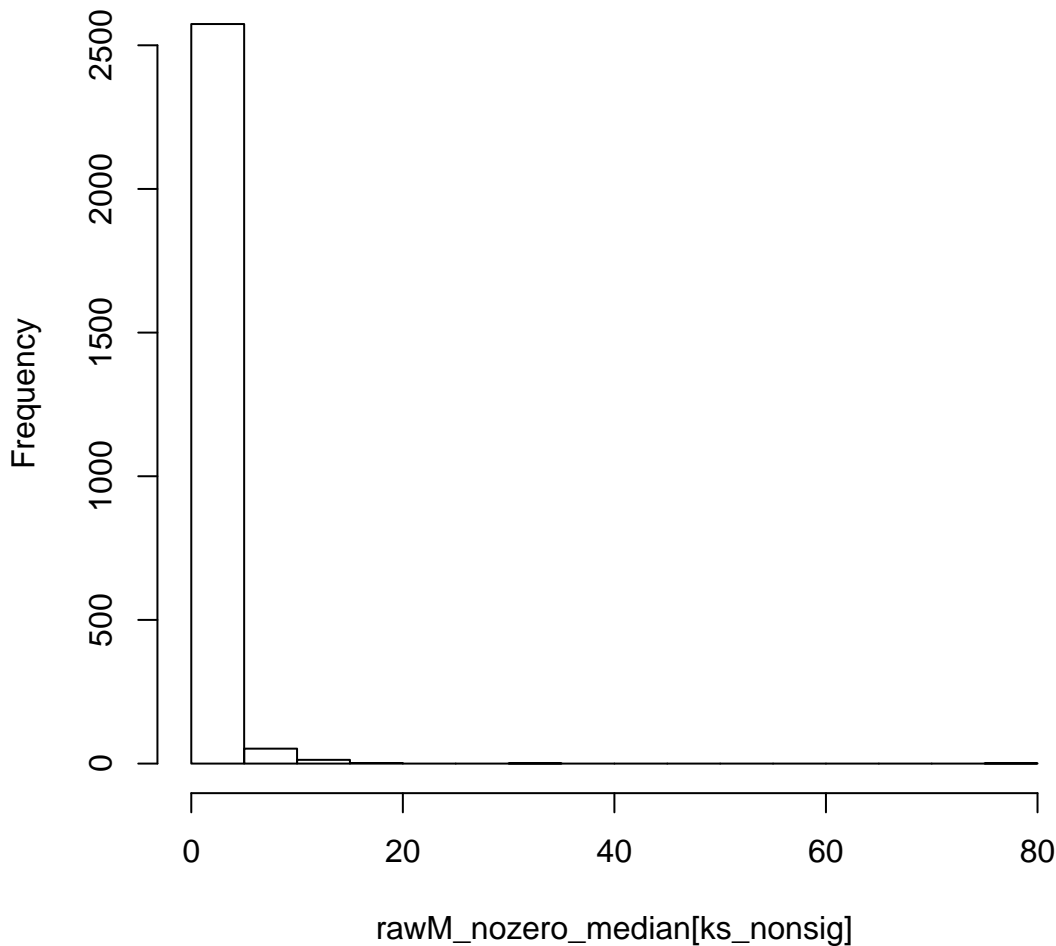
median of nozero log-express of genes, ksless sig



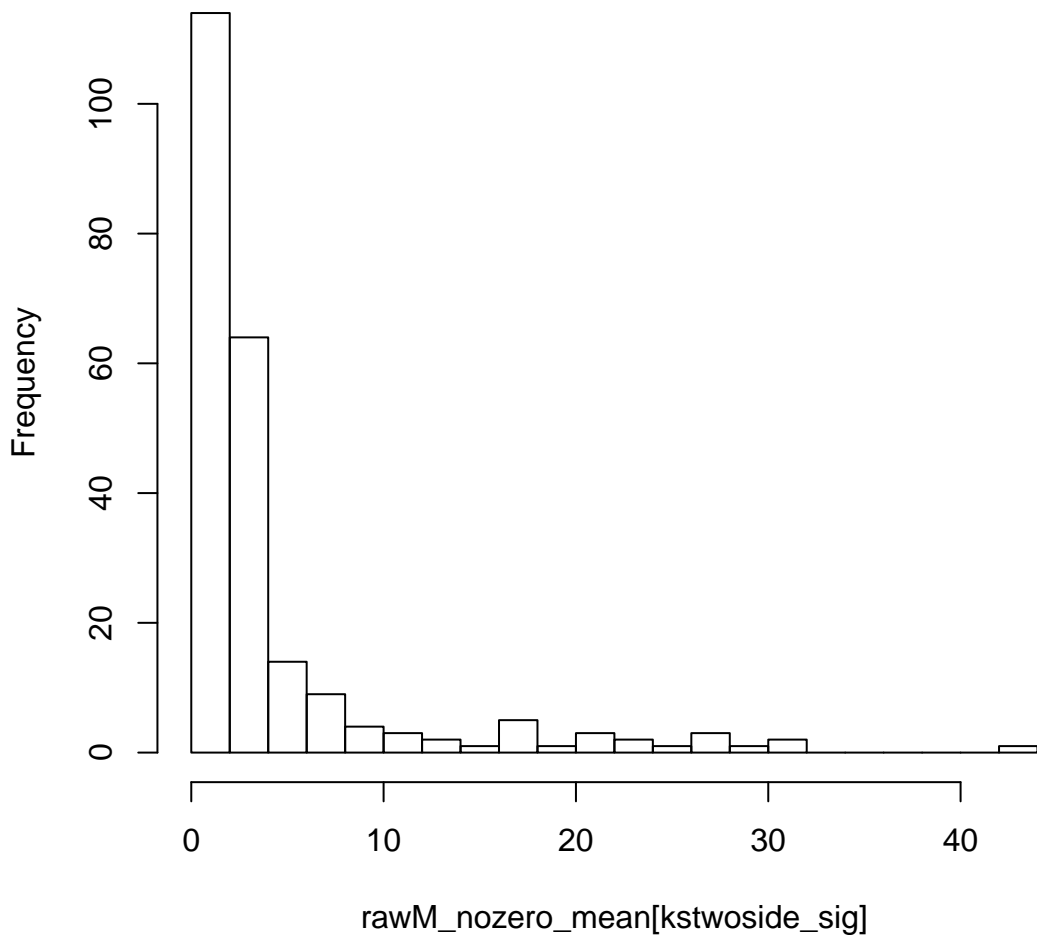
median of nozero log-express of genes,ksgreater sig



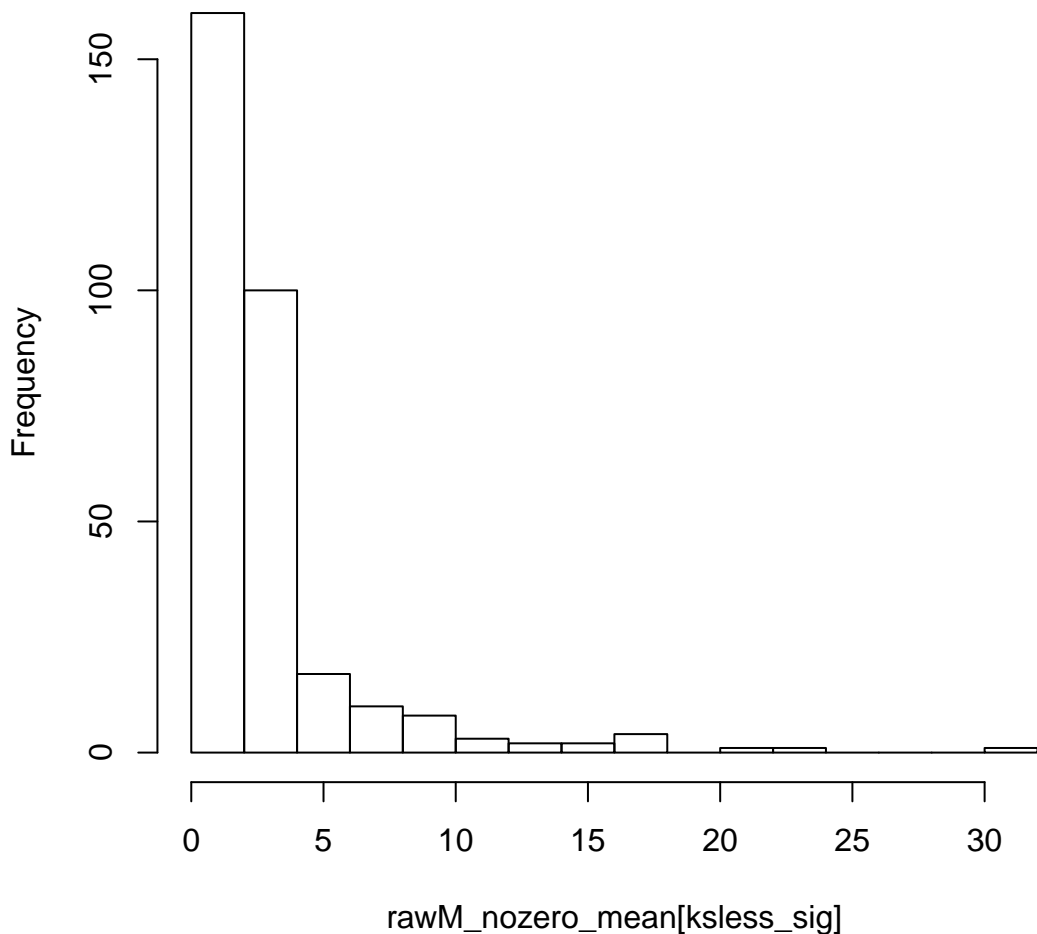
median of nozero log-express of genes,ks no sig



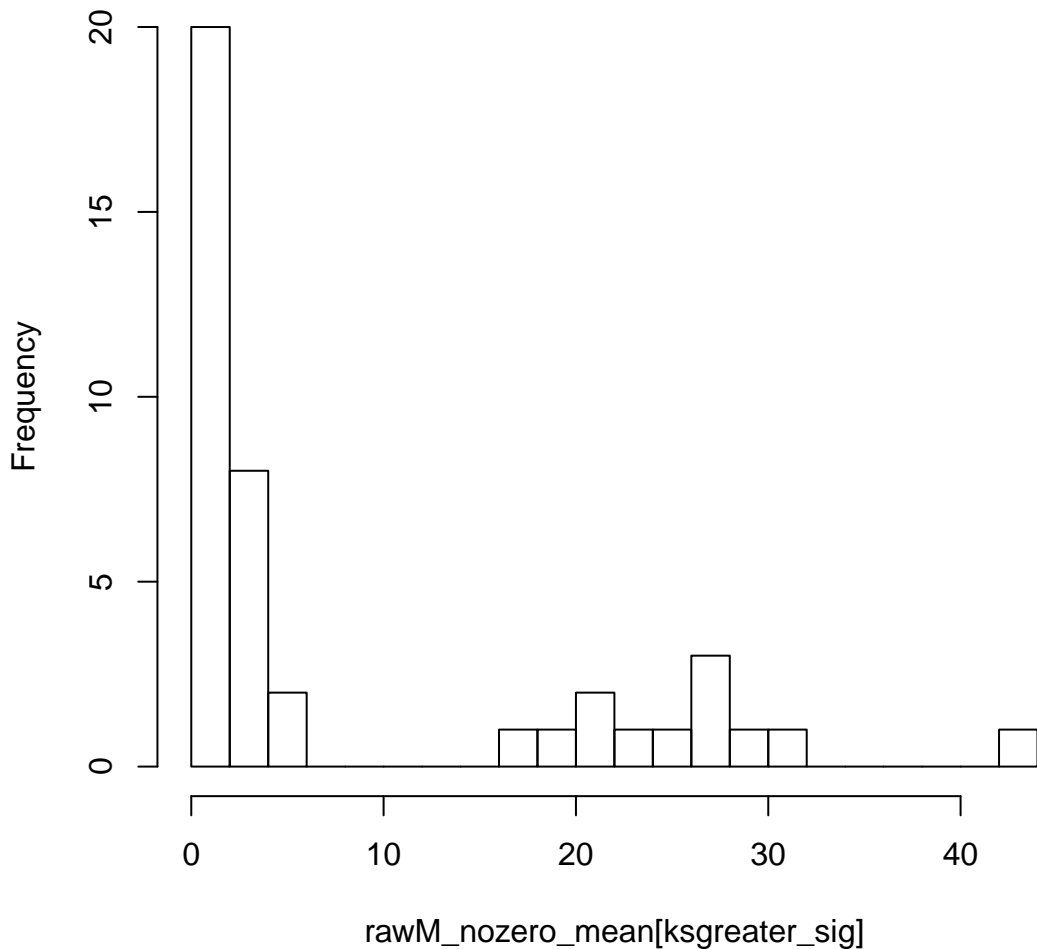
mean of nozero log-express of genes, kstwoside sig



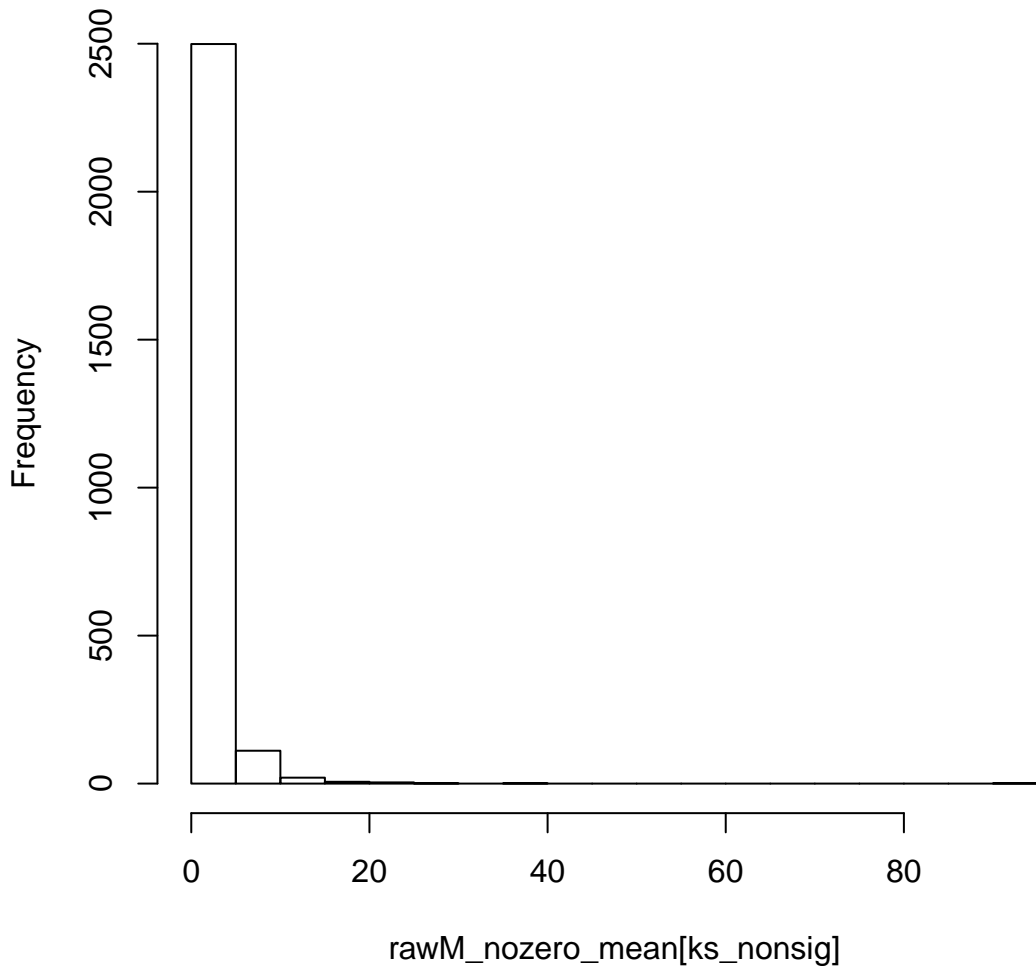
mean of nozero log-express of genes, ksless sig



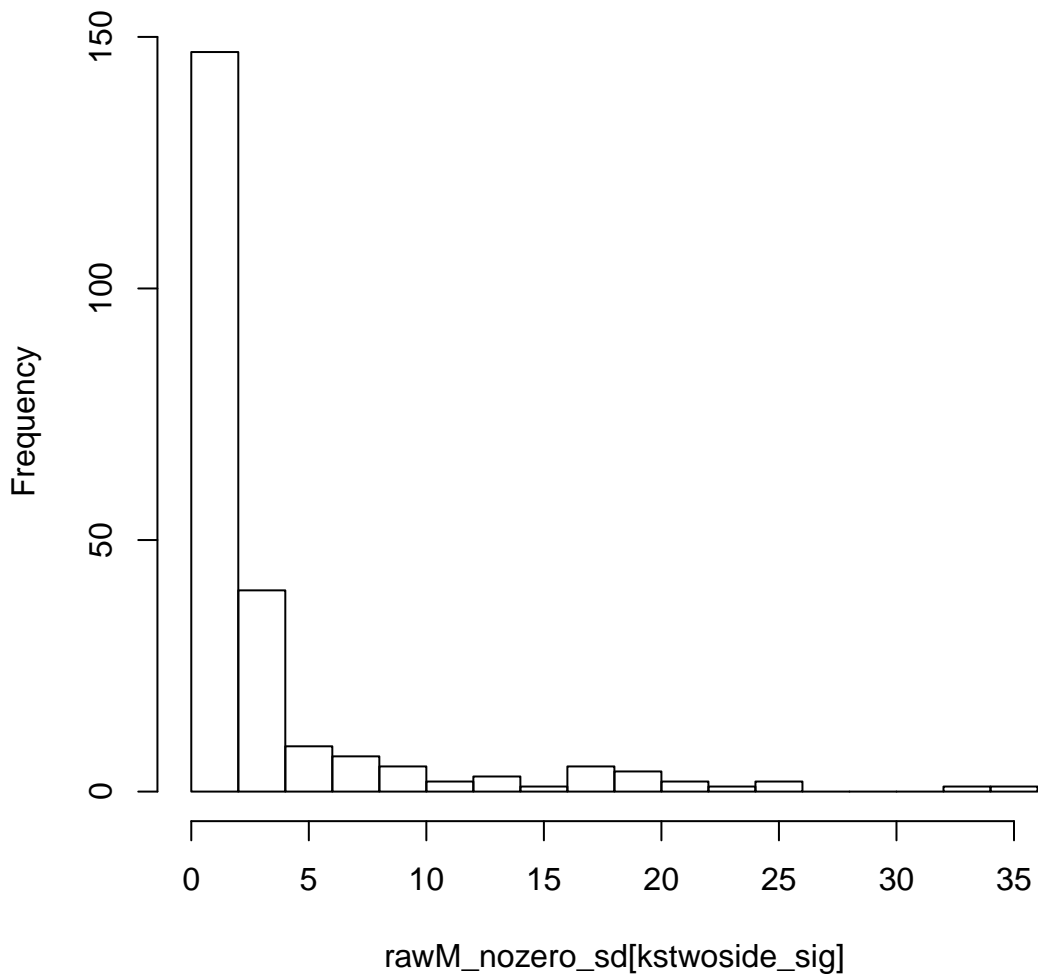
mean of nozero log-express of genes,ksgreater sig



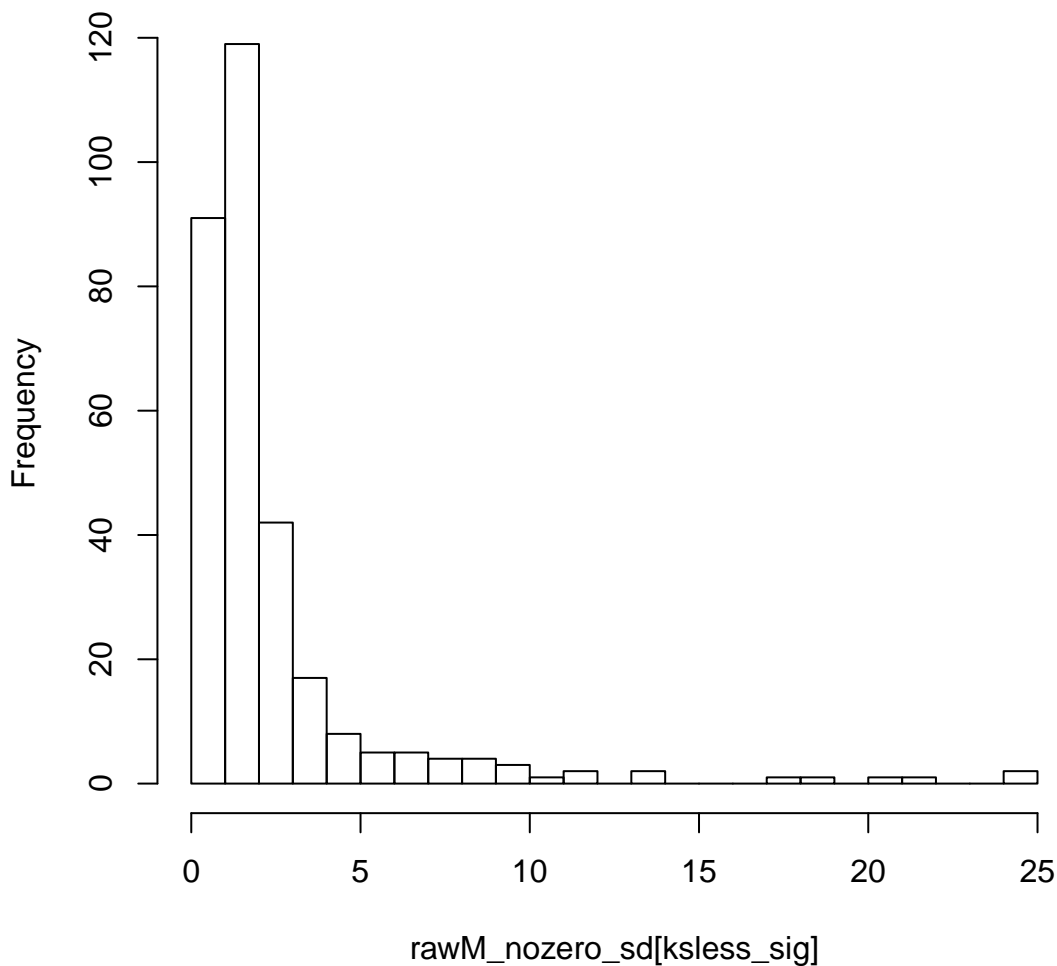
mean of nozero log-expres of genes,ks no sig



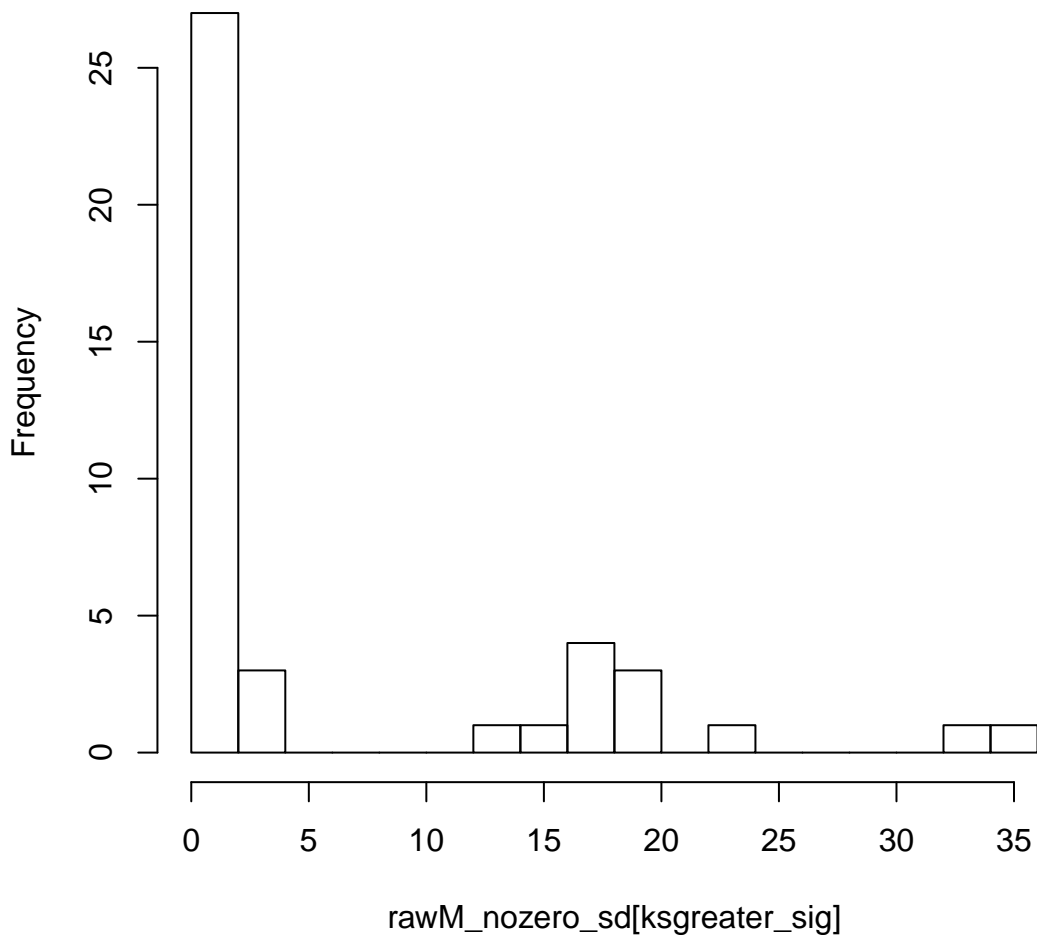
sd of nozero log-express of genes, kstwoside sig



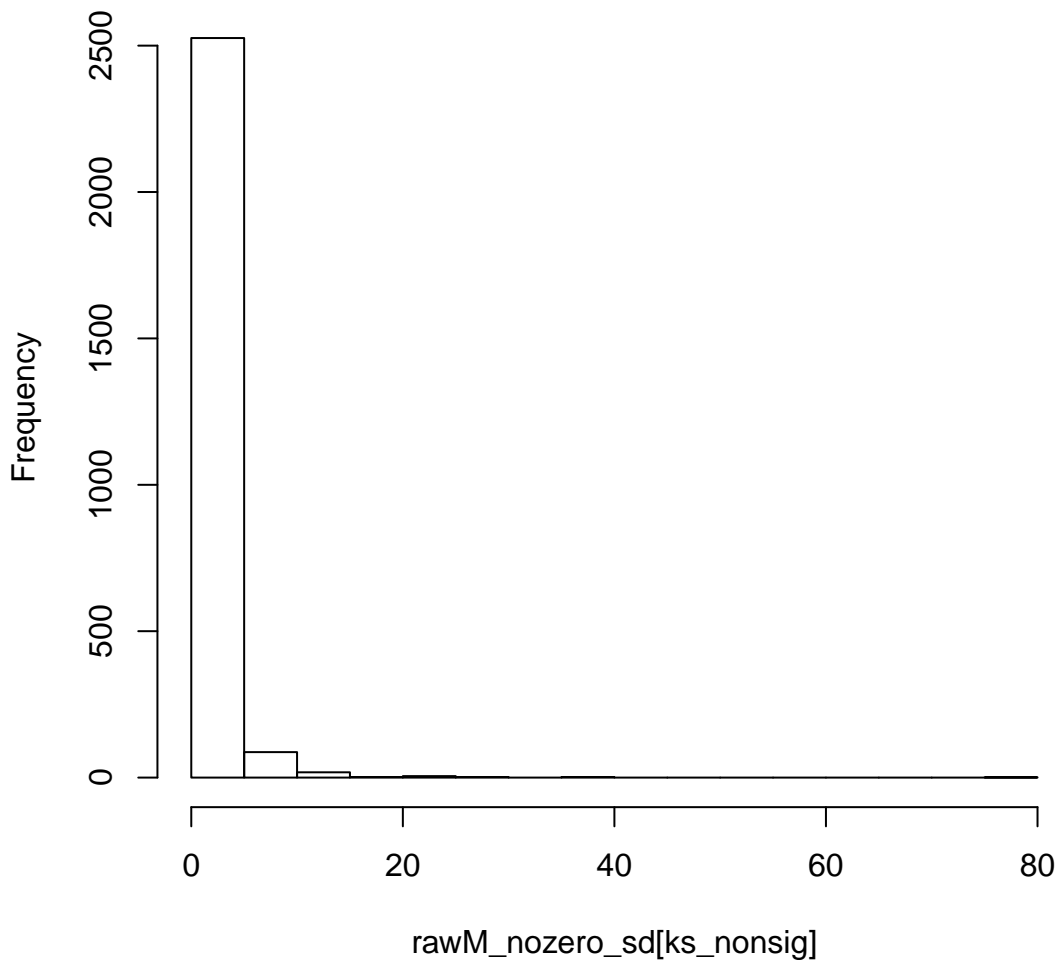
sd of nozero log-express of genes, ksless sig



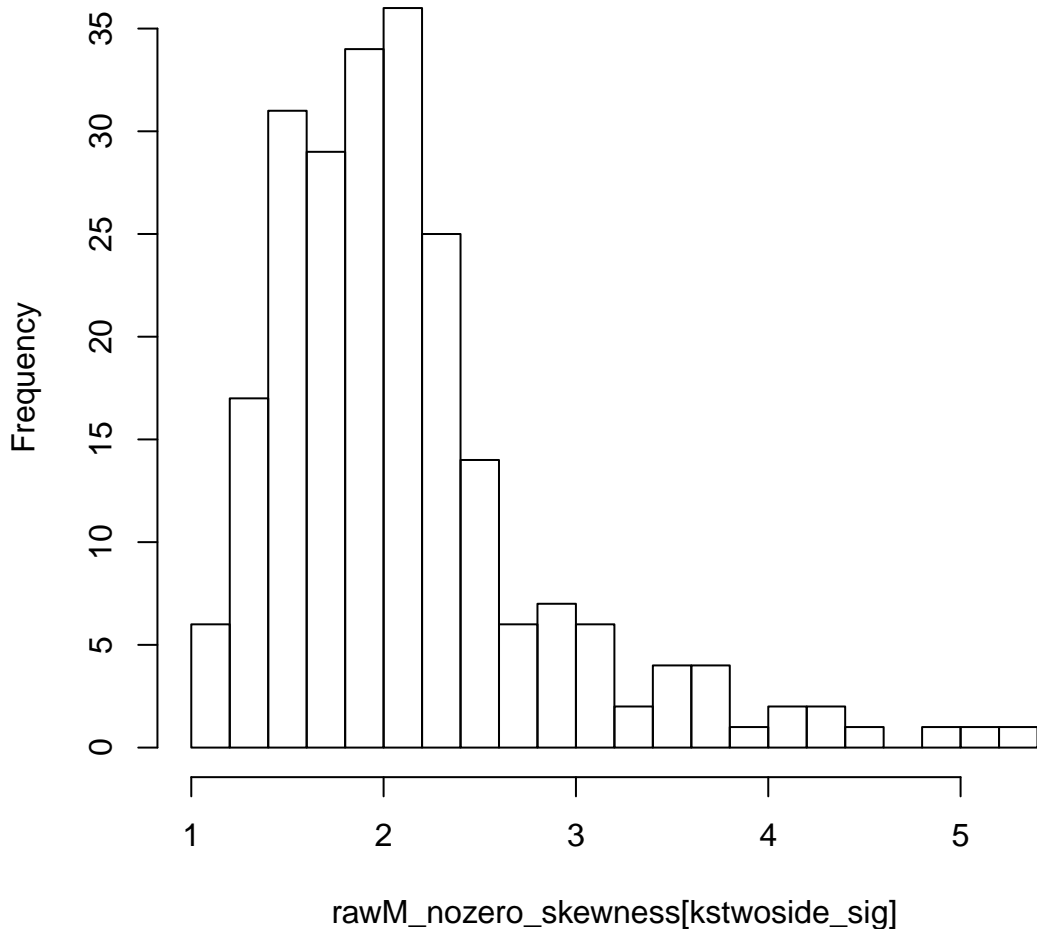
sd of nozero log-express of genes,ksgreater sig



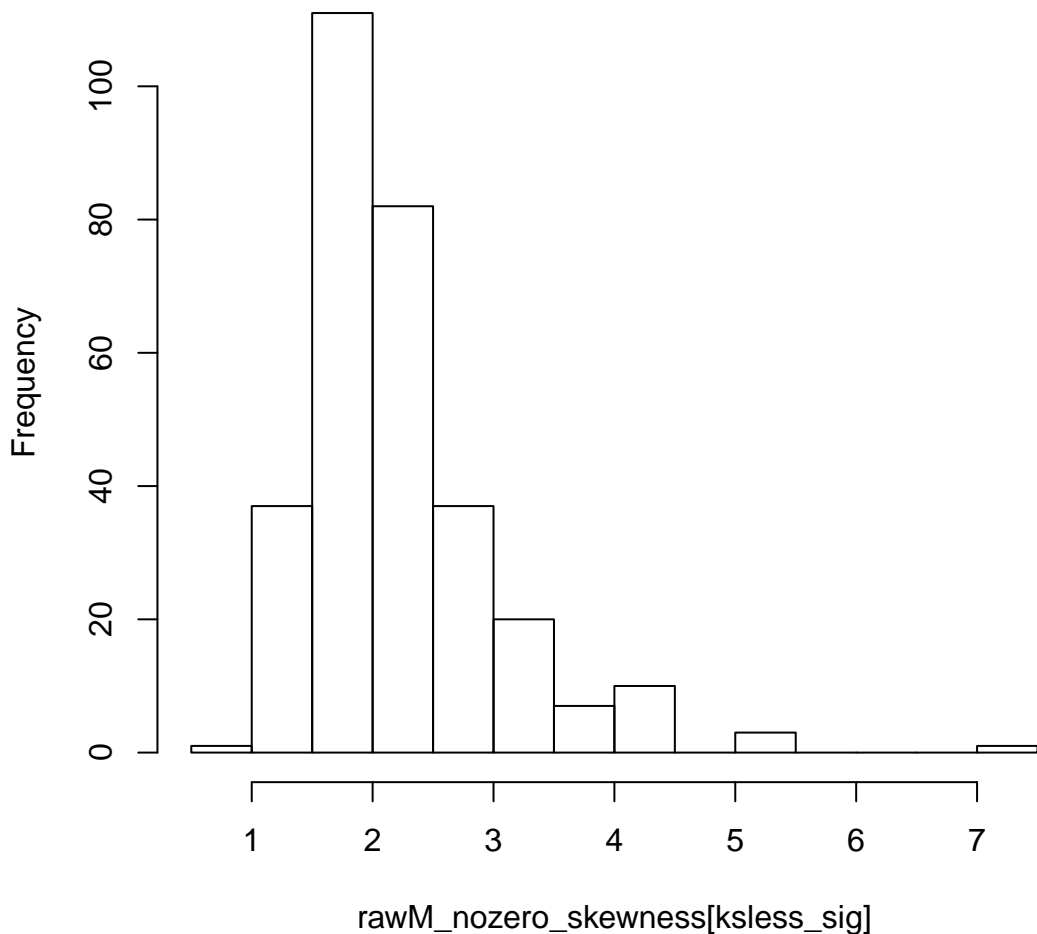
sd of nozero log-expres of genes,ks no sig



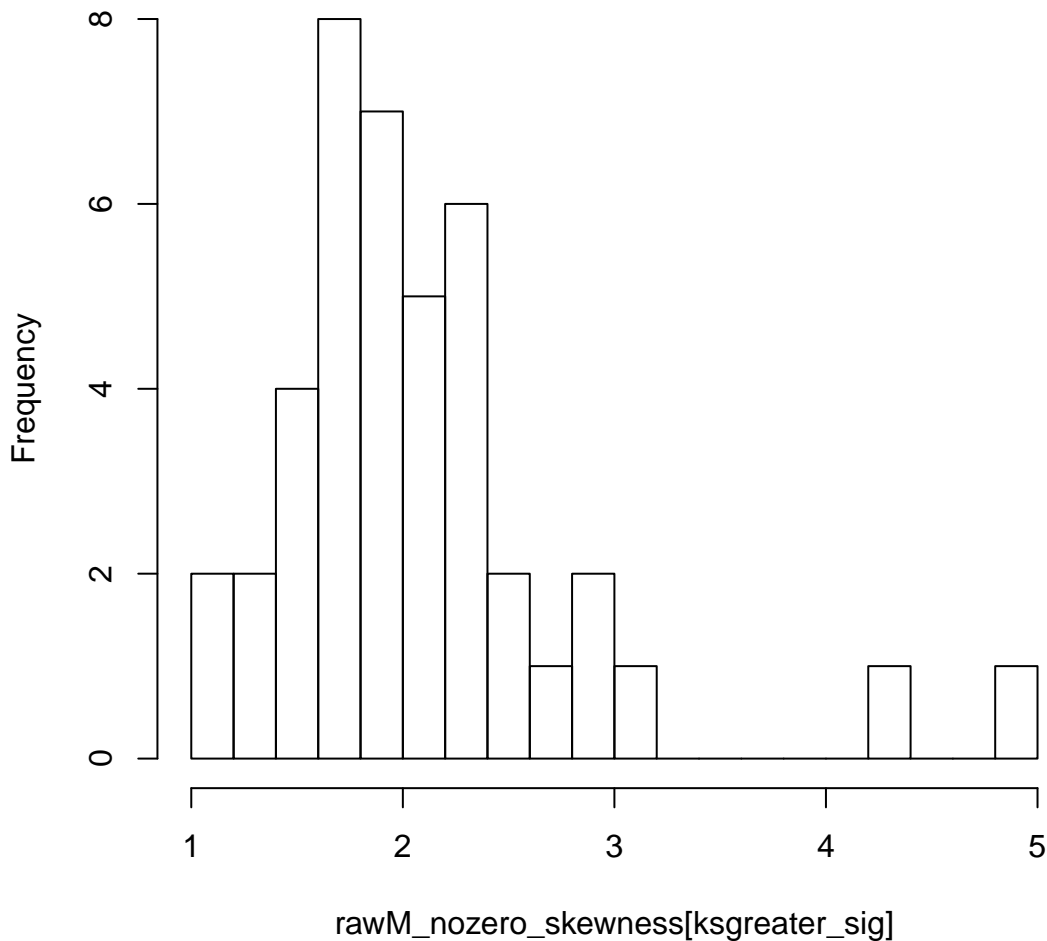
skewness of nozero log-express of genes, kstwo side sig



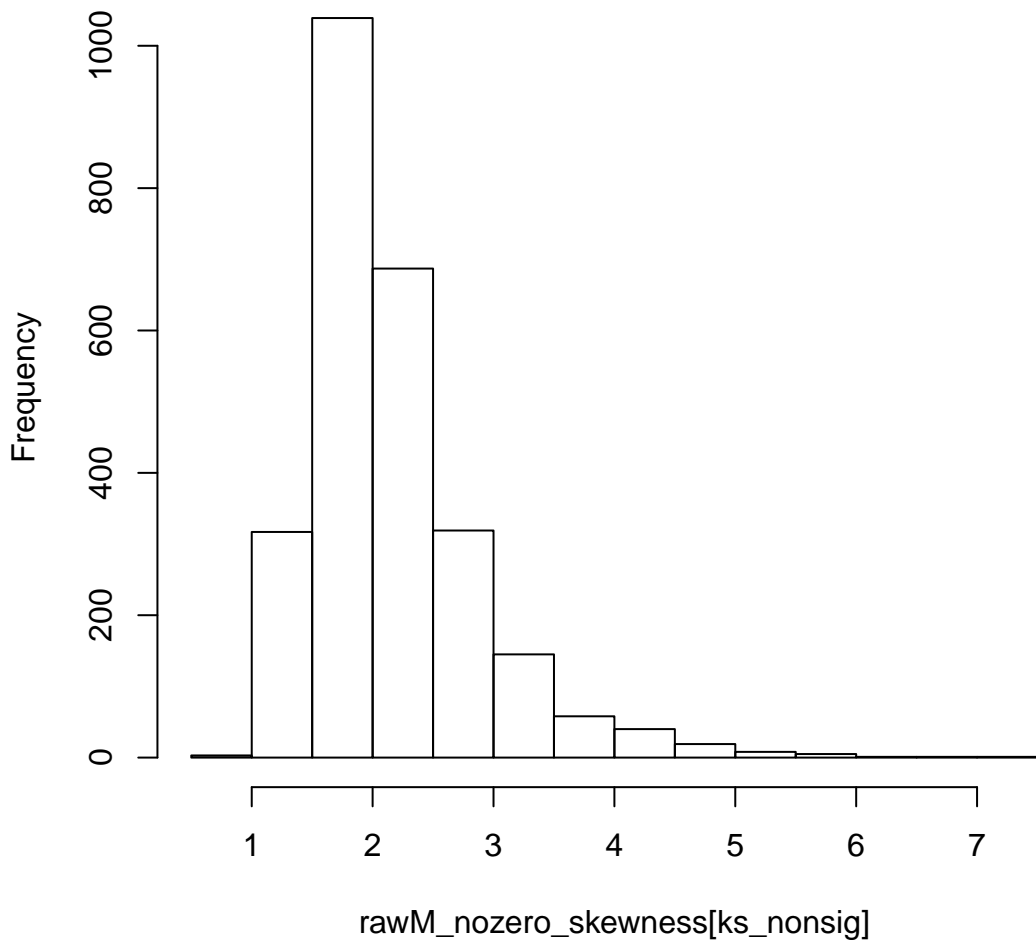
skewness of nozero log-express of genes, ksless sig



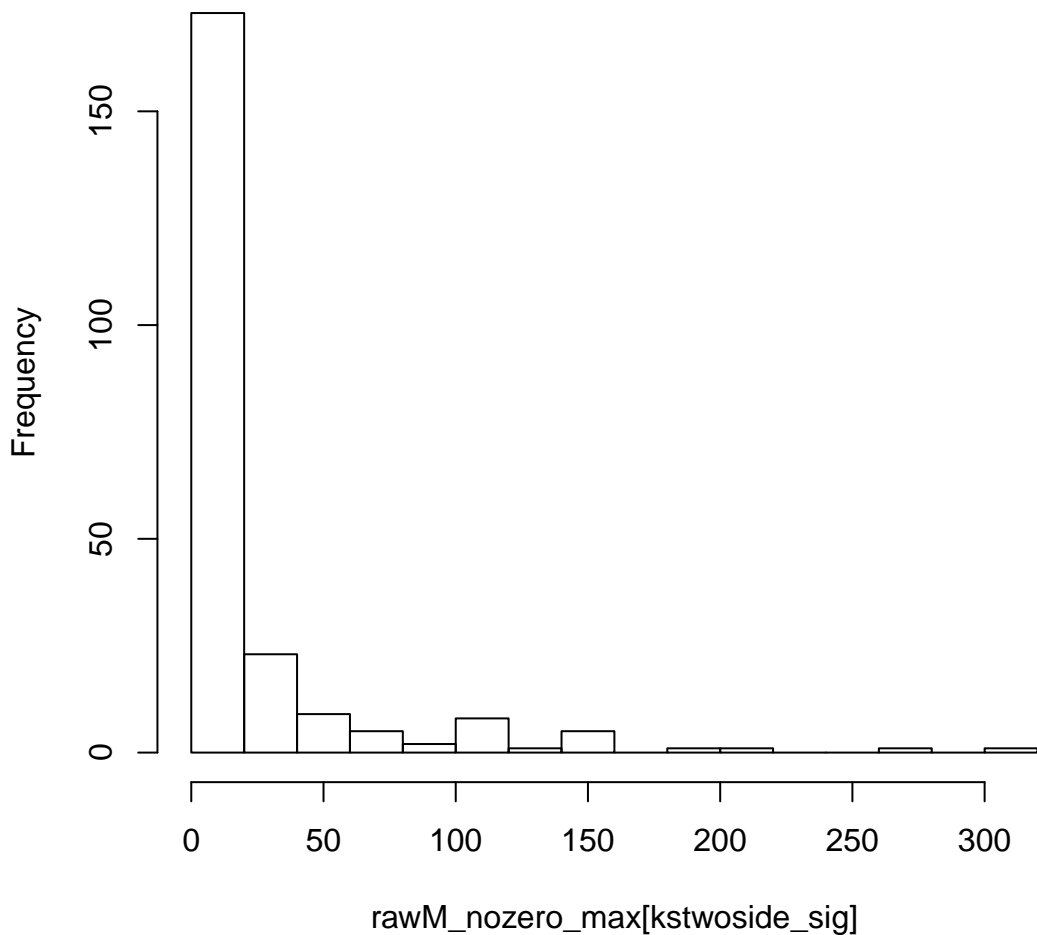
skewness of nozero log-express of genes,ksgreater sig



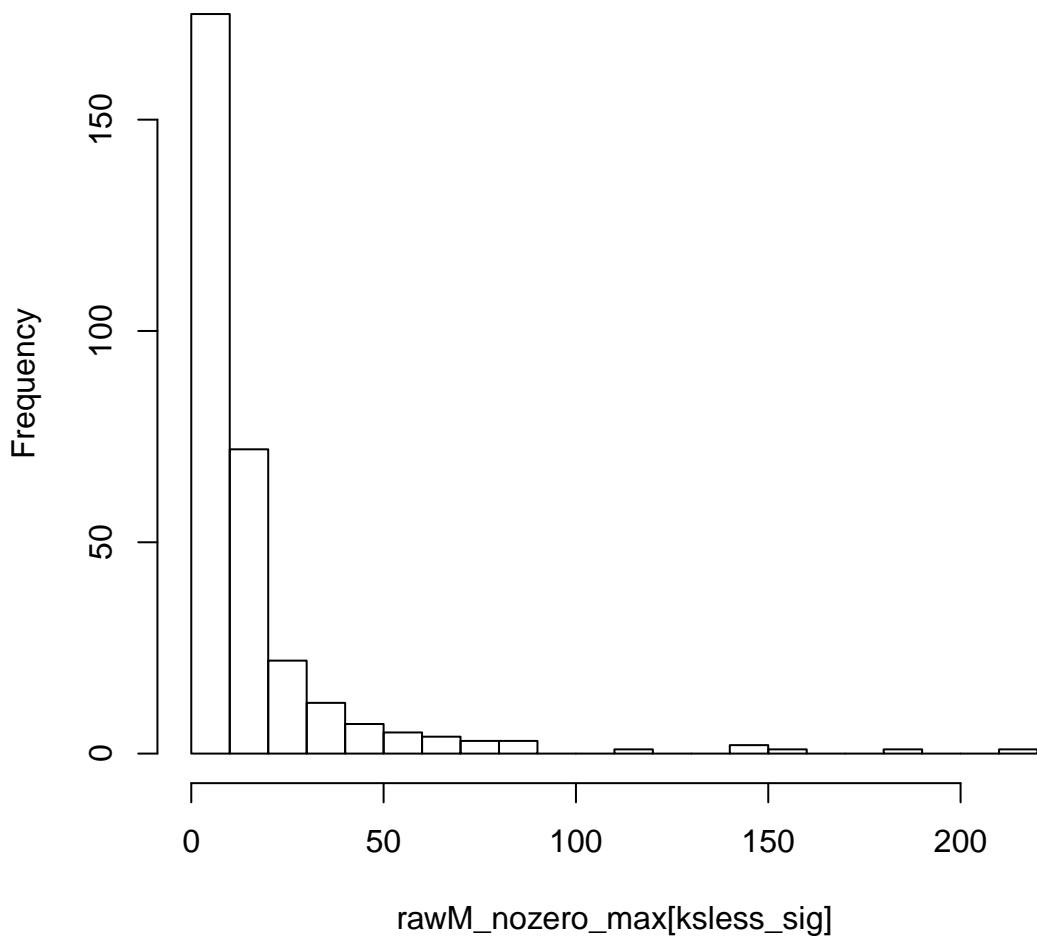
skewness of nozero log-express of genes,ks no sig



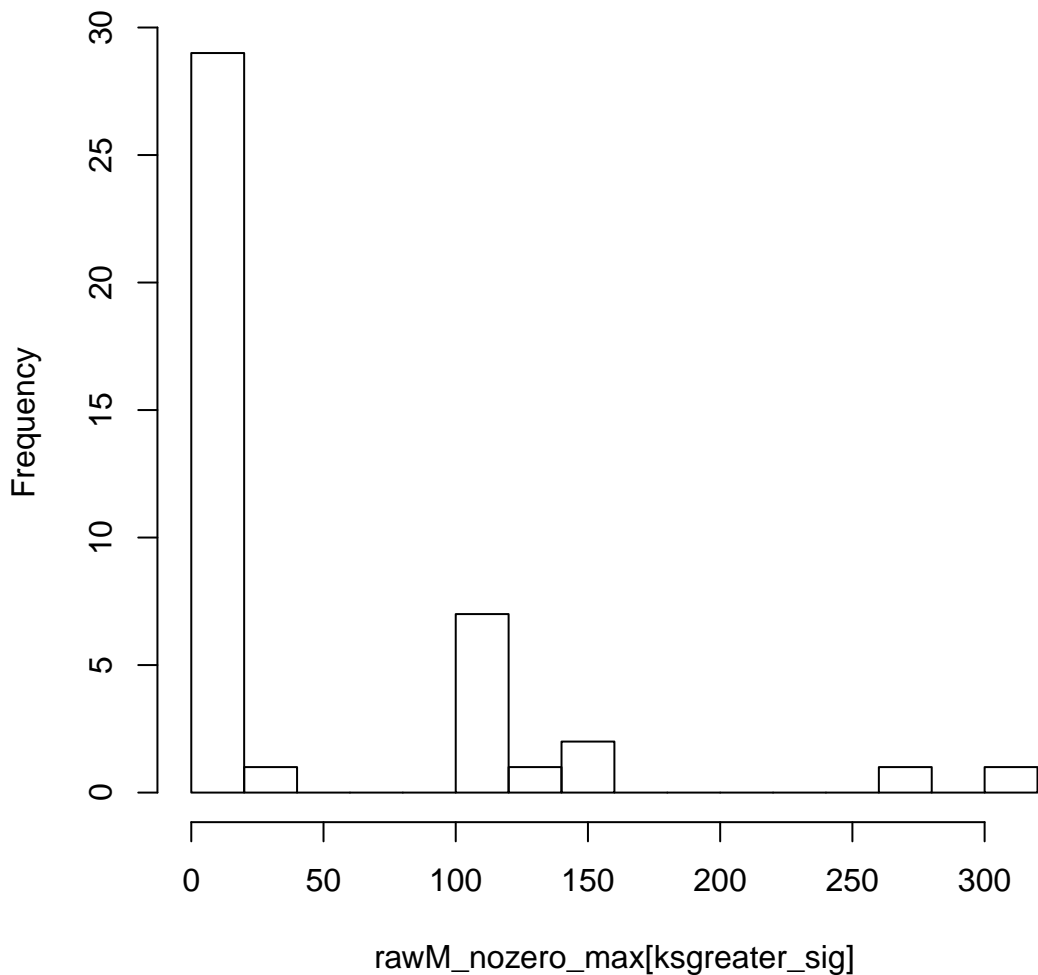
max of nozero log-express of genes, kstwside sig



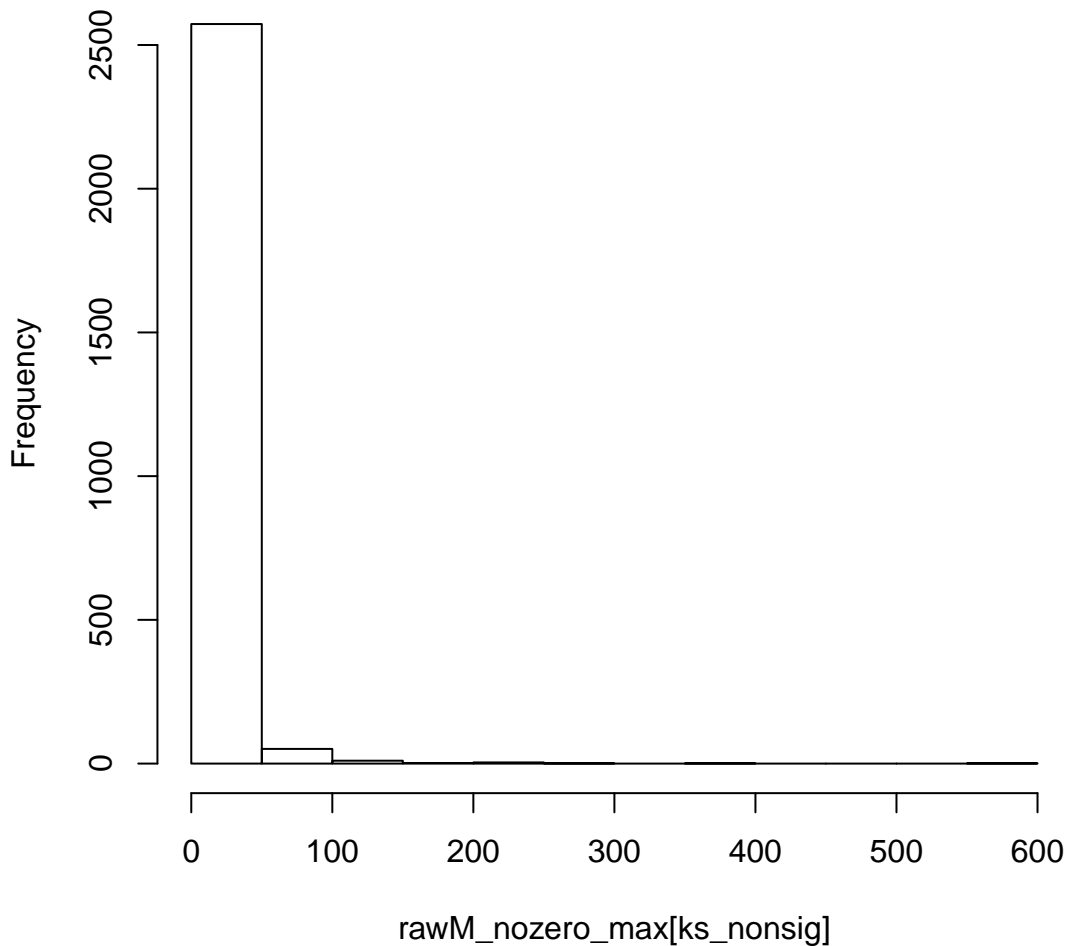
max of nozero log-express of genes, ksless sig



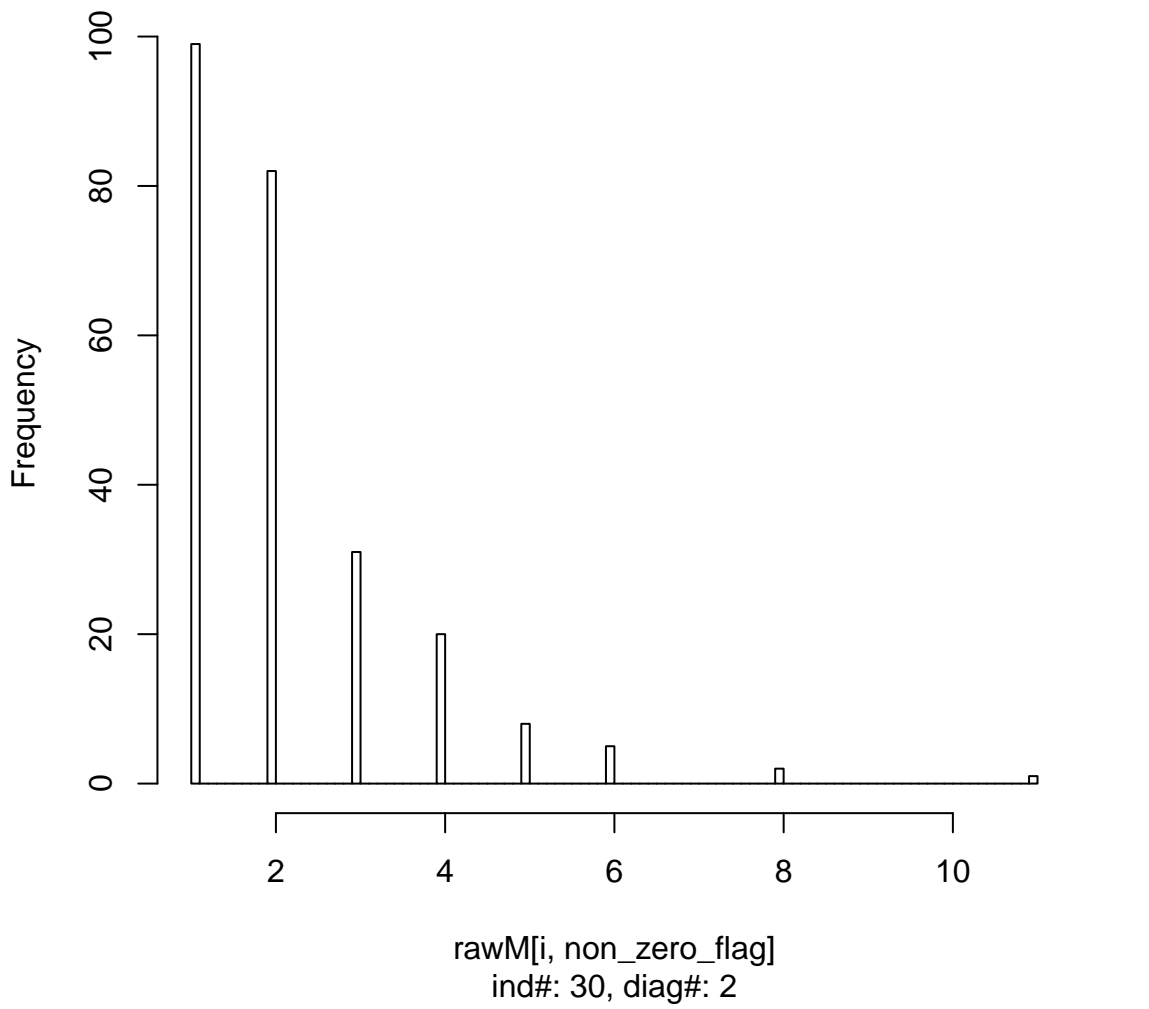
max of nozero log-express of genes,ksgreater sig



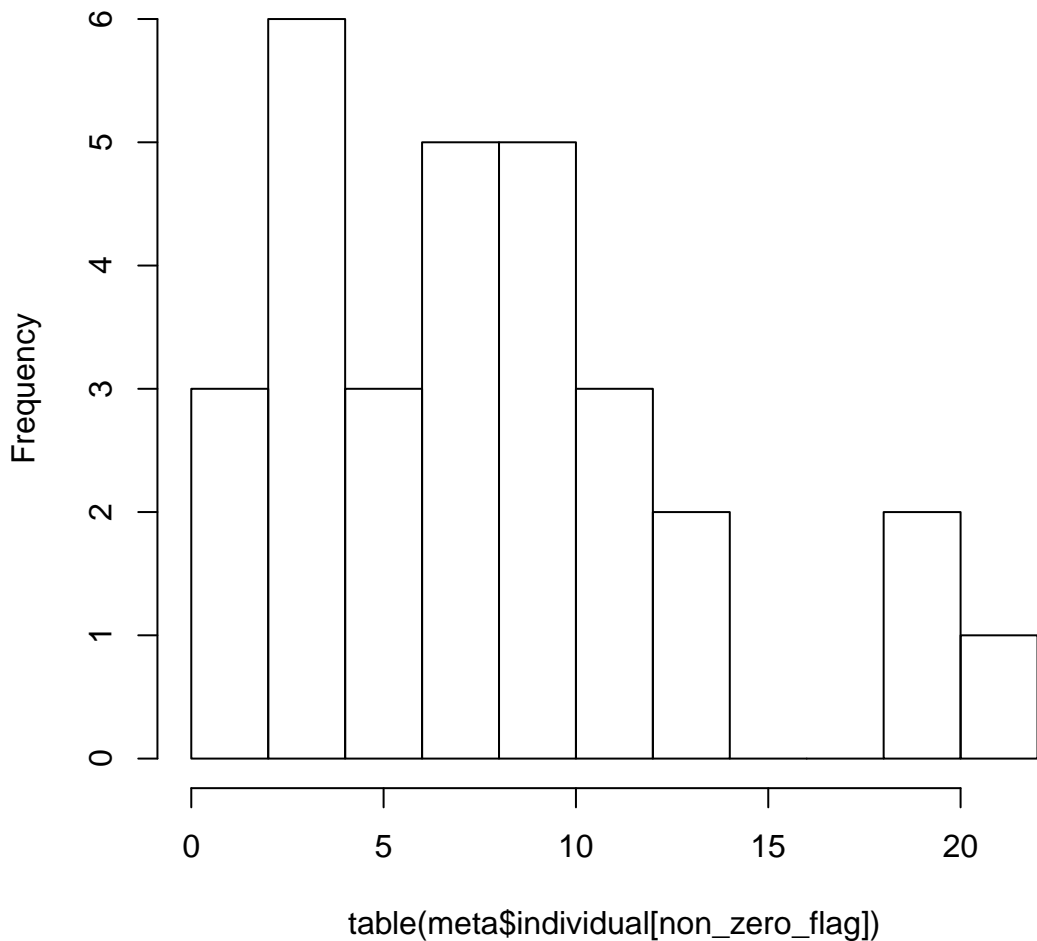
max of nozero log-expres of genes,ks no sig



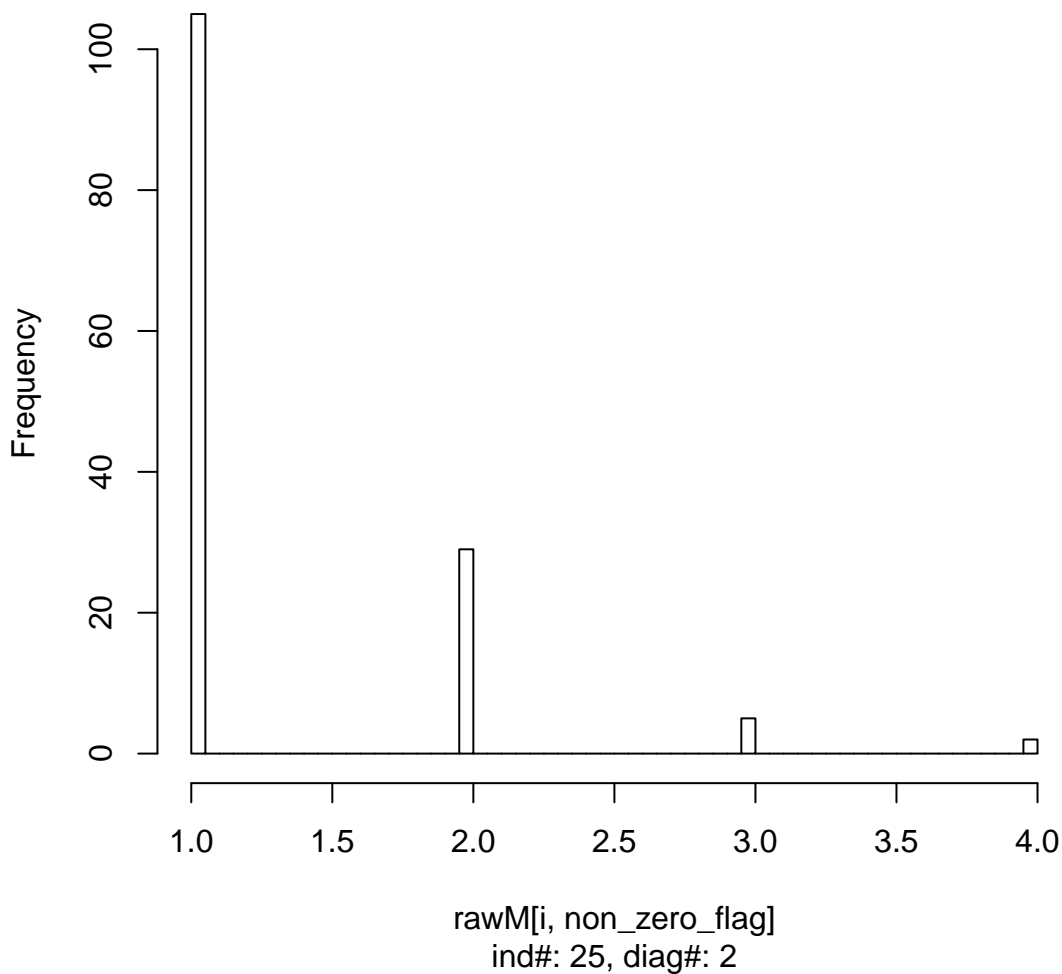
less sig: log expression of gene#10, pval ob=0.0507, non-zero nu



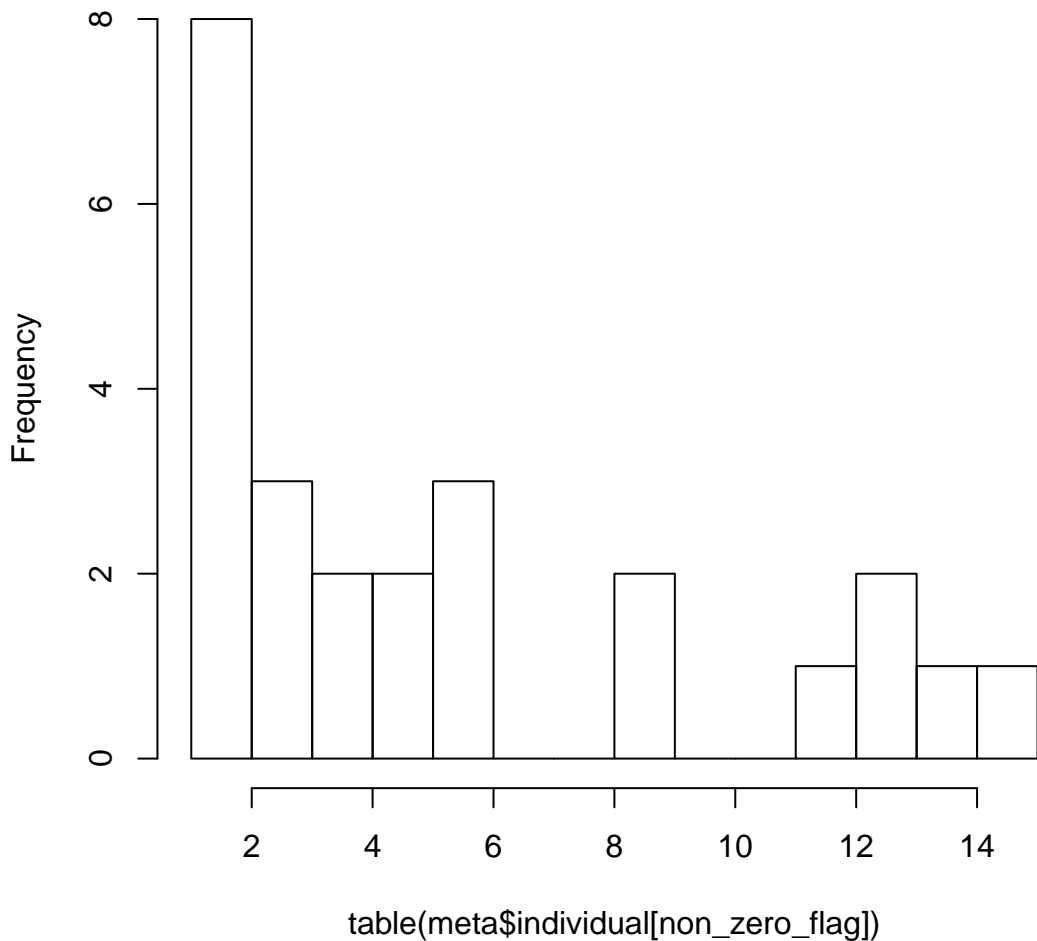
KSless sig: individual expression cell count of gene#10



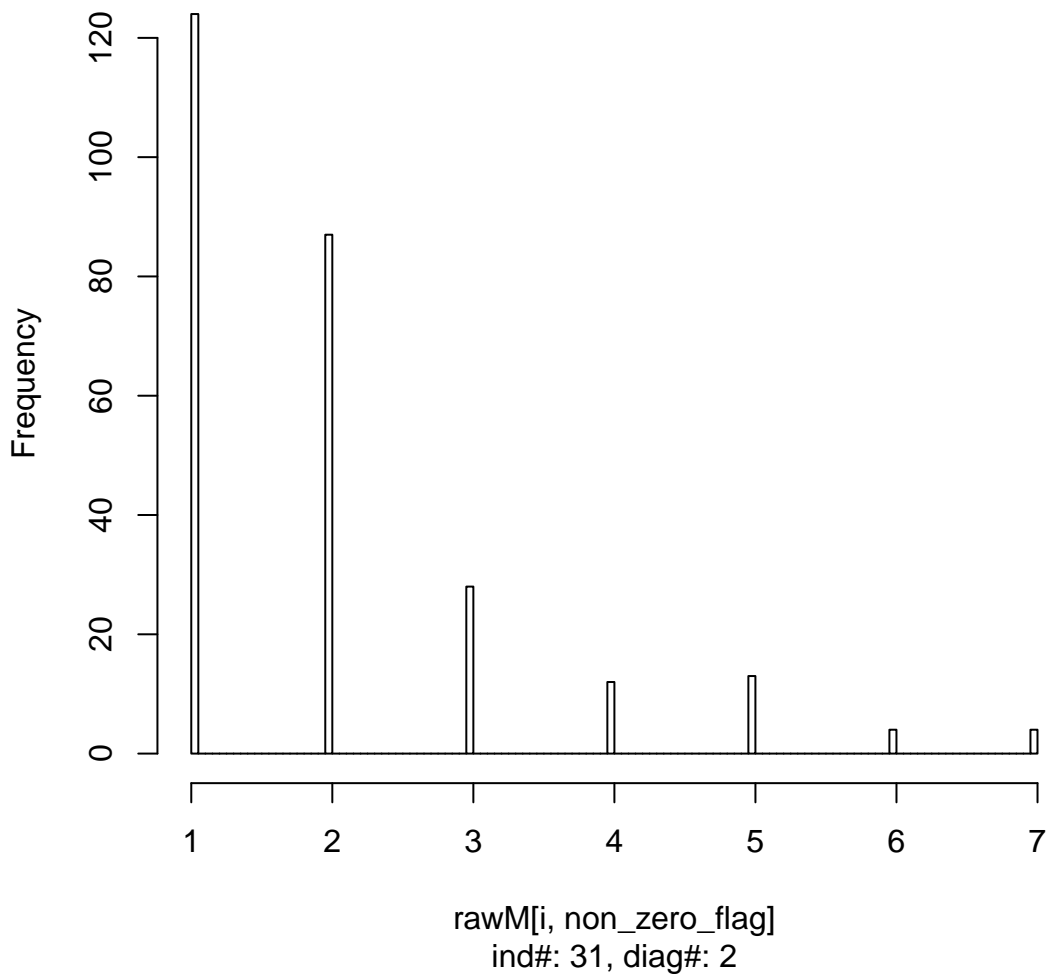
less sig: log expression of gene#20, pval ob=0.9129, non-zero nu



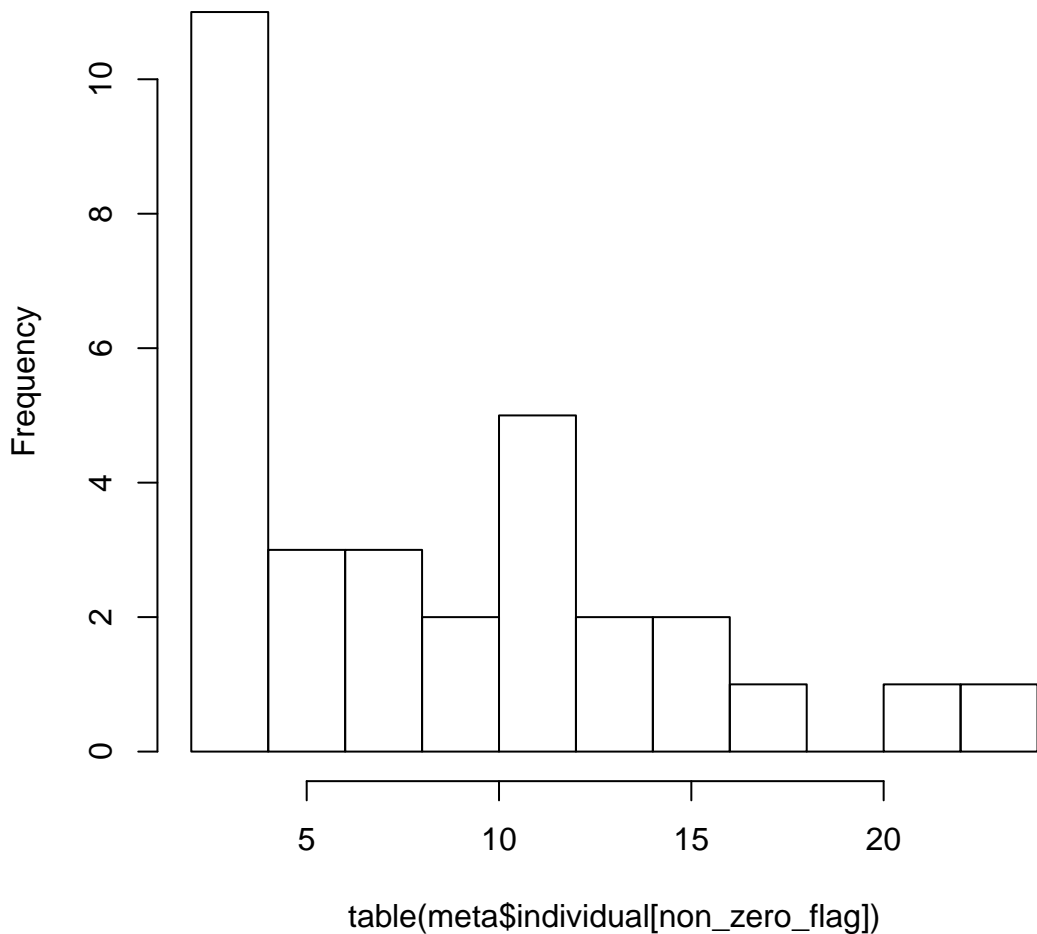
KSless sig: individual expression cell count of gene#20



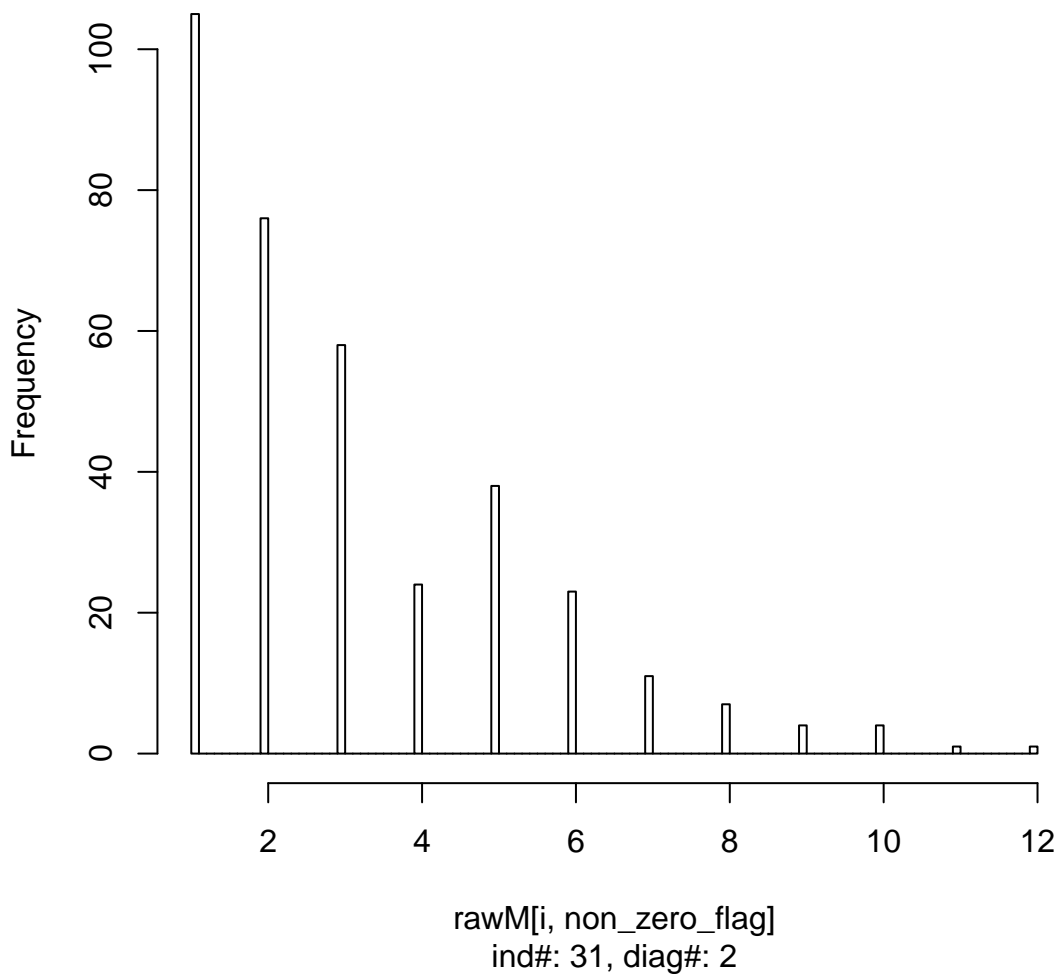
less sig: log expression of gene#36, pval ob=0.8831, non-zero nu



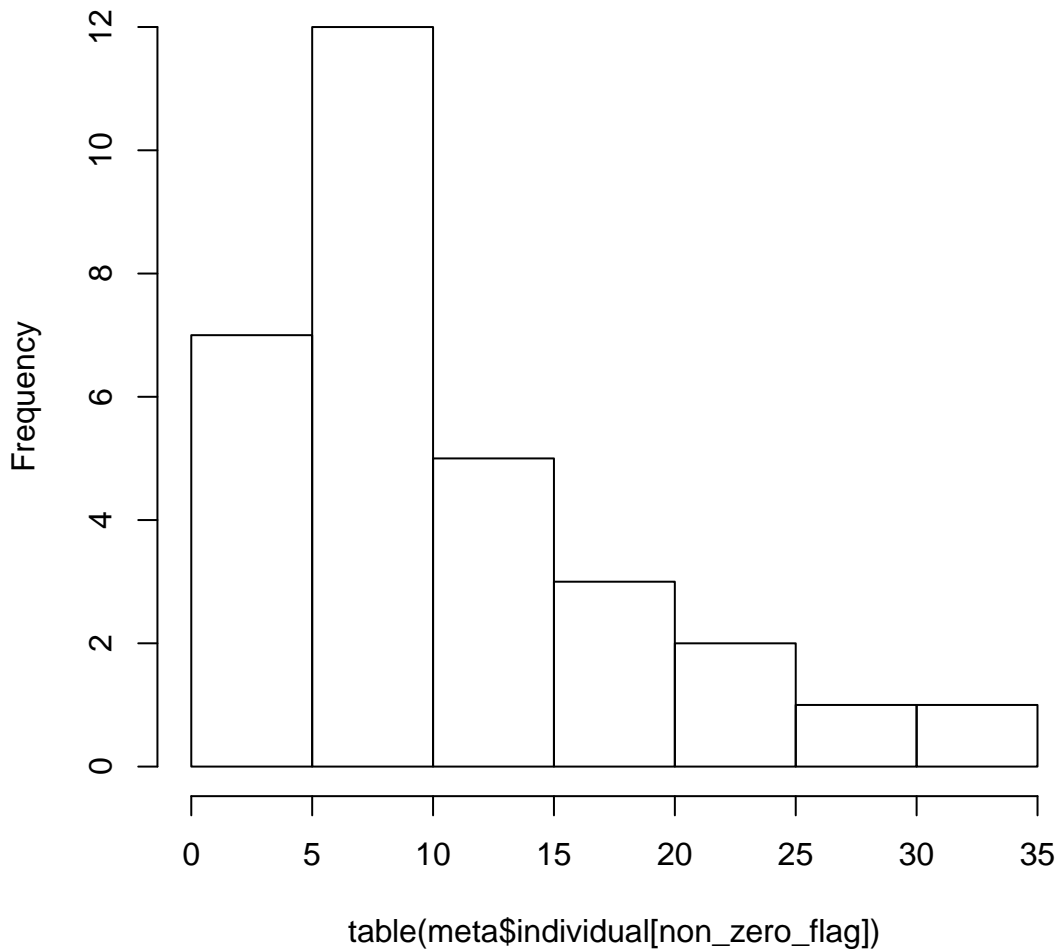
KSless sig: individual expression cell count of gene#36



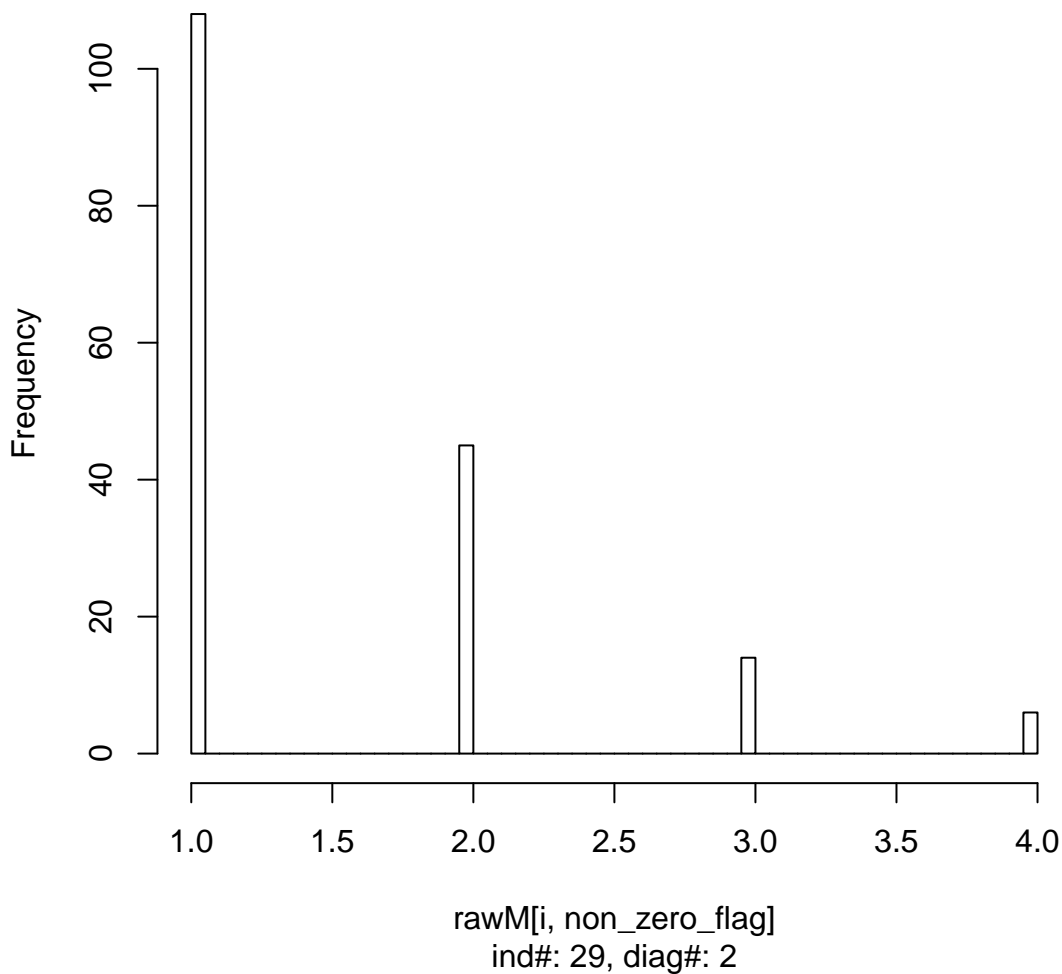
less sig: log expression of gene#63, pval ob=0.8451, non-zero nu



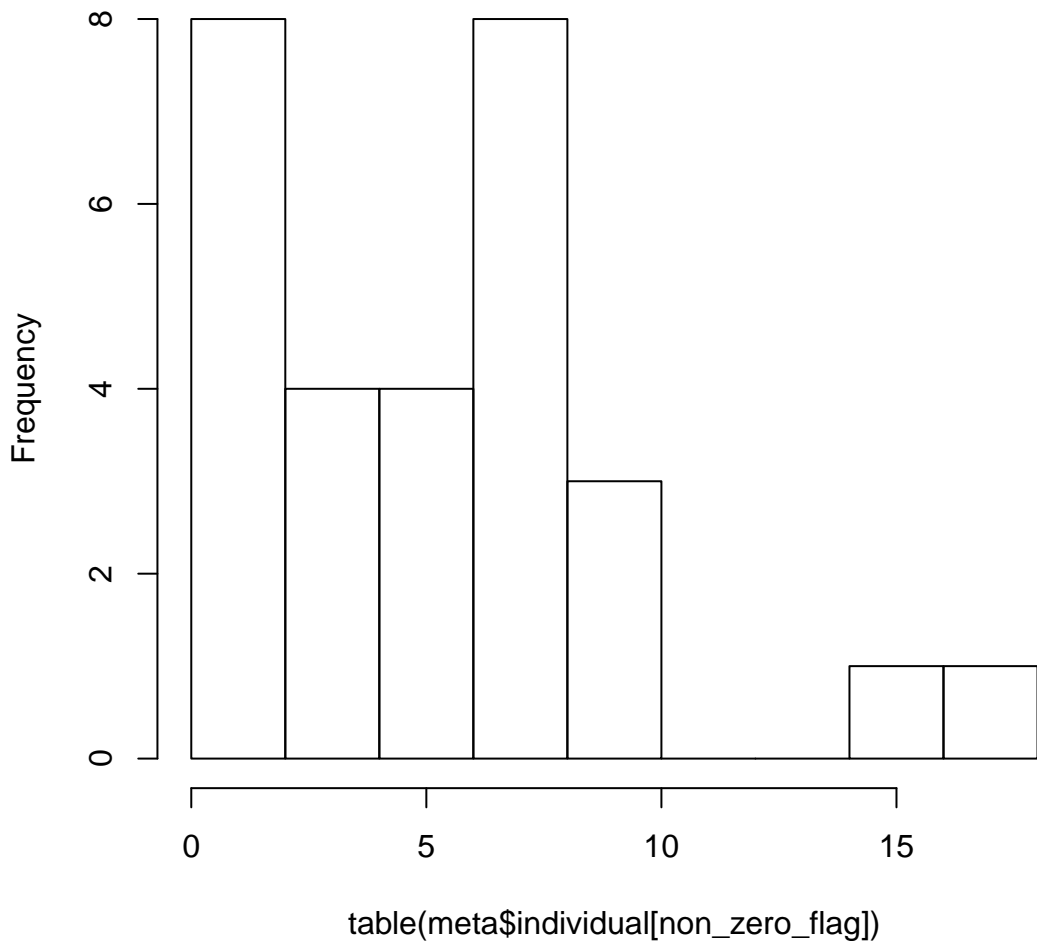
KSless sig: individual expression cell count of gene#63



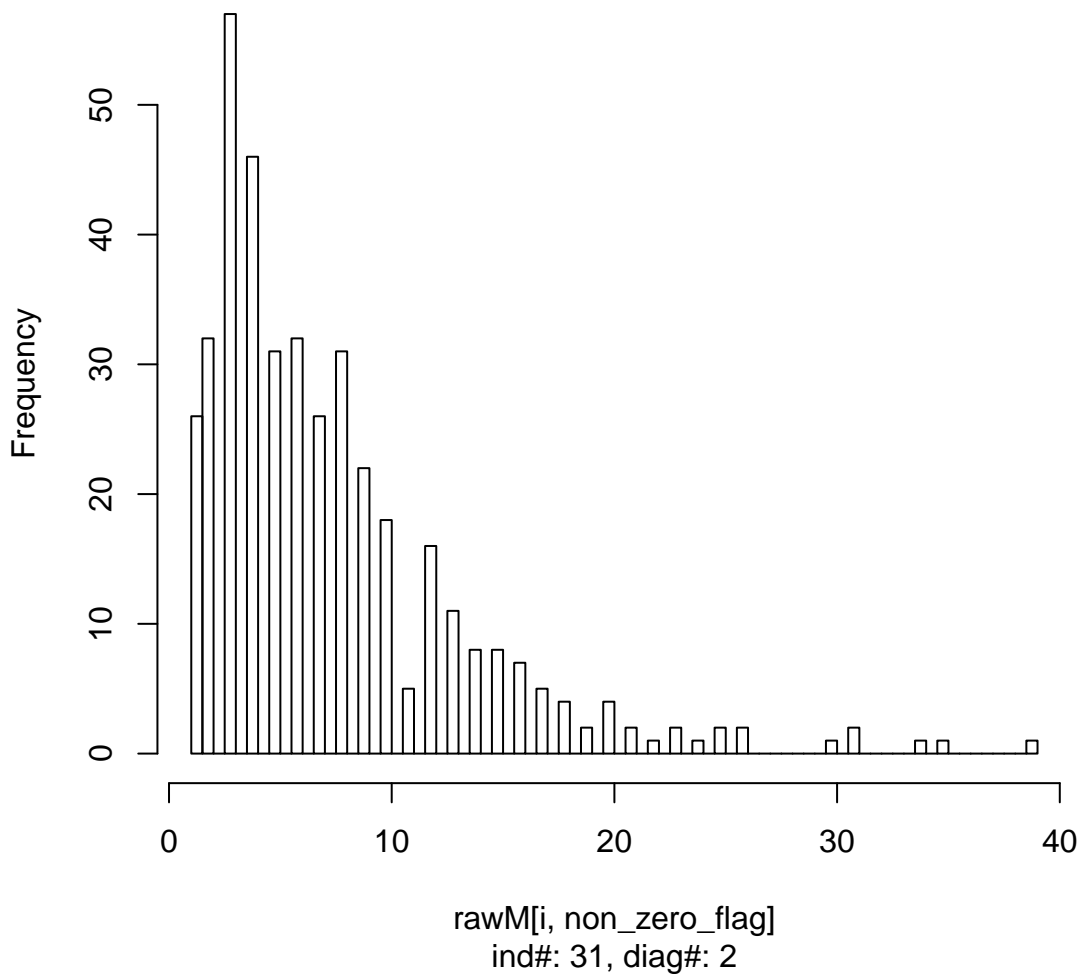
less sig: log expression of gene#65, pval ob=0.0624, non-zero nu



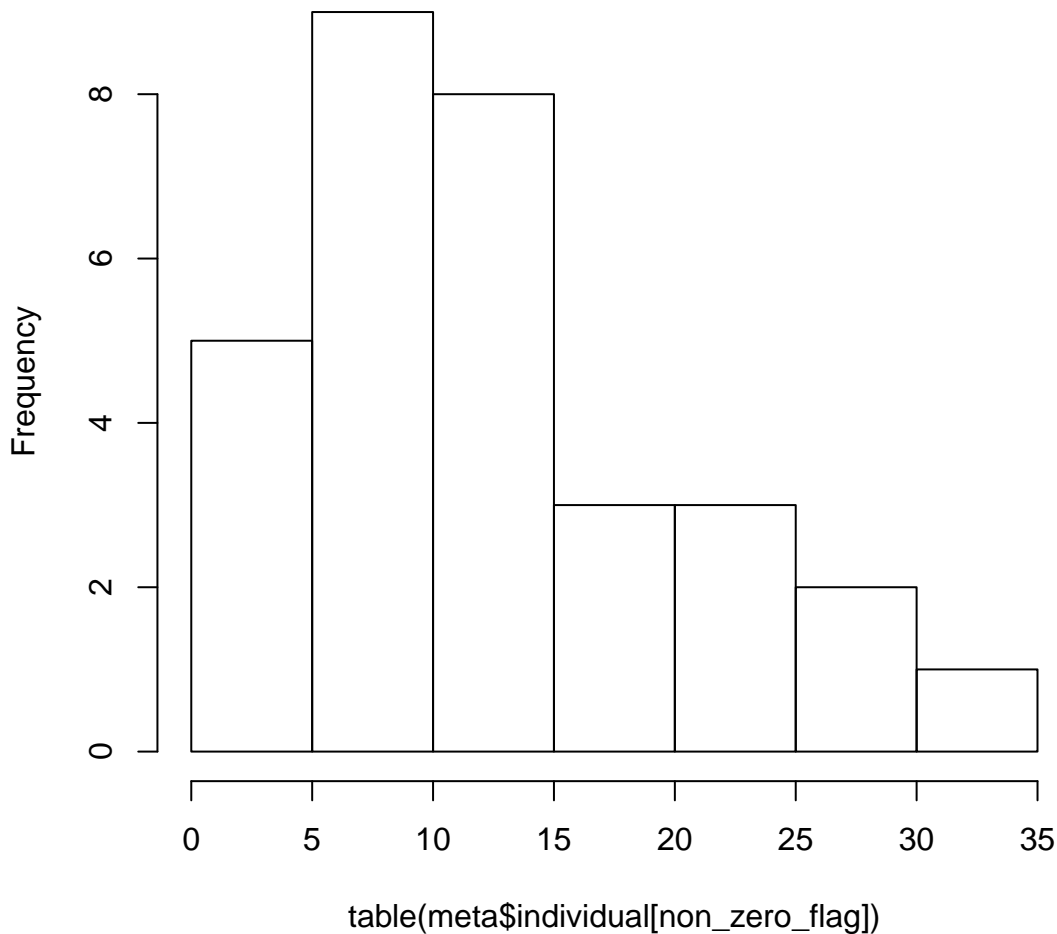
KSless sig: individual expression cell count of gene#65



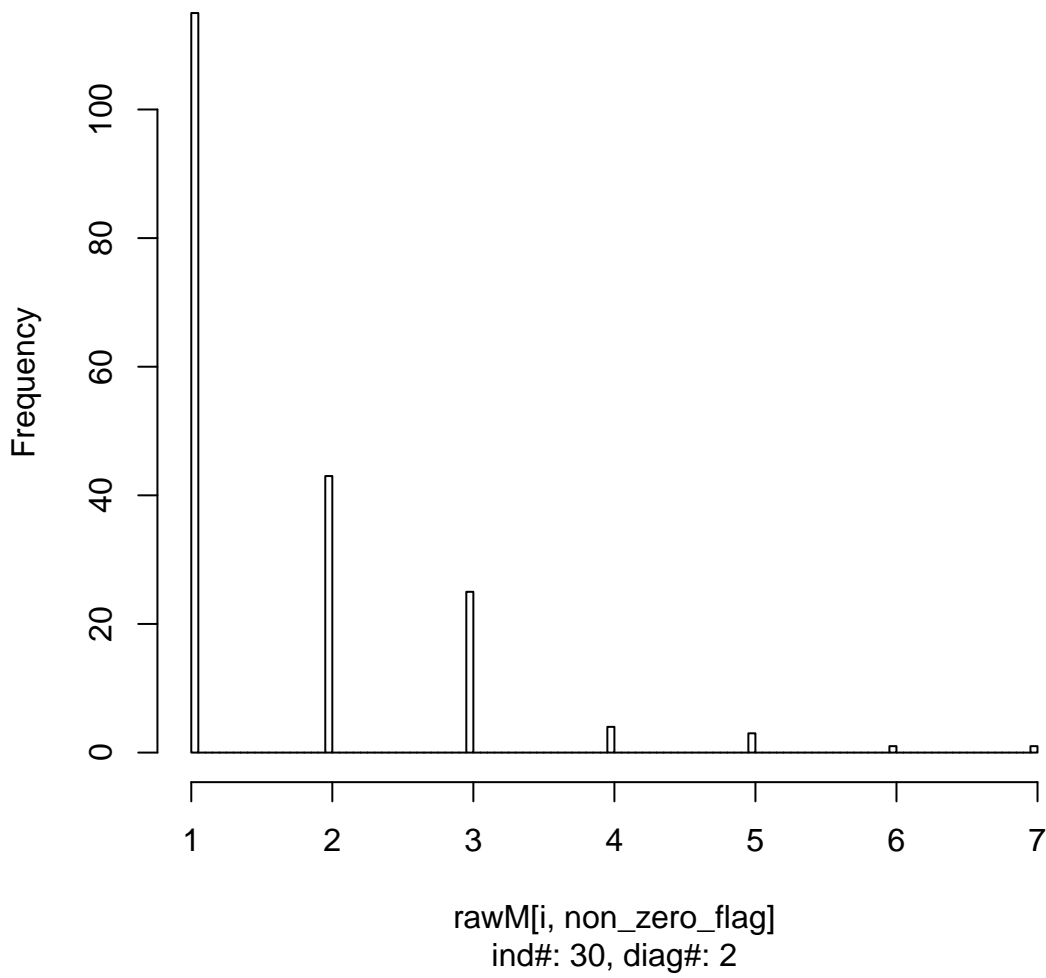
less sig: log expression of gene#68, pval ob=0.236, non-zero nu



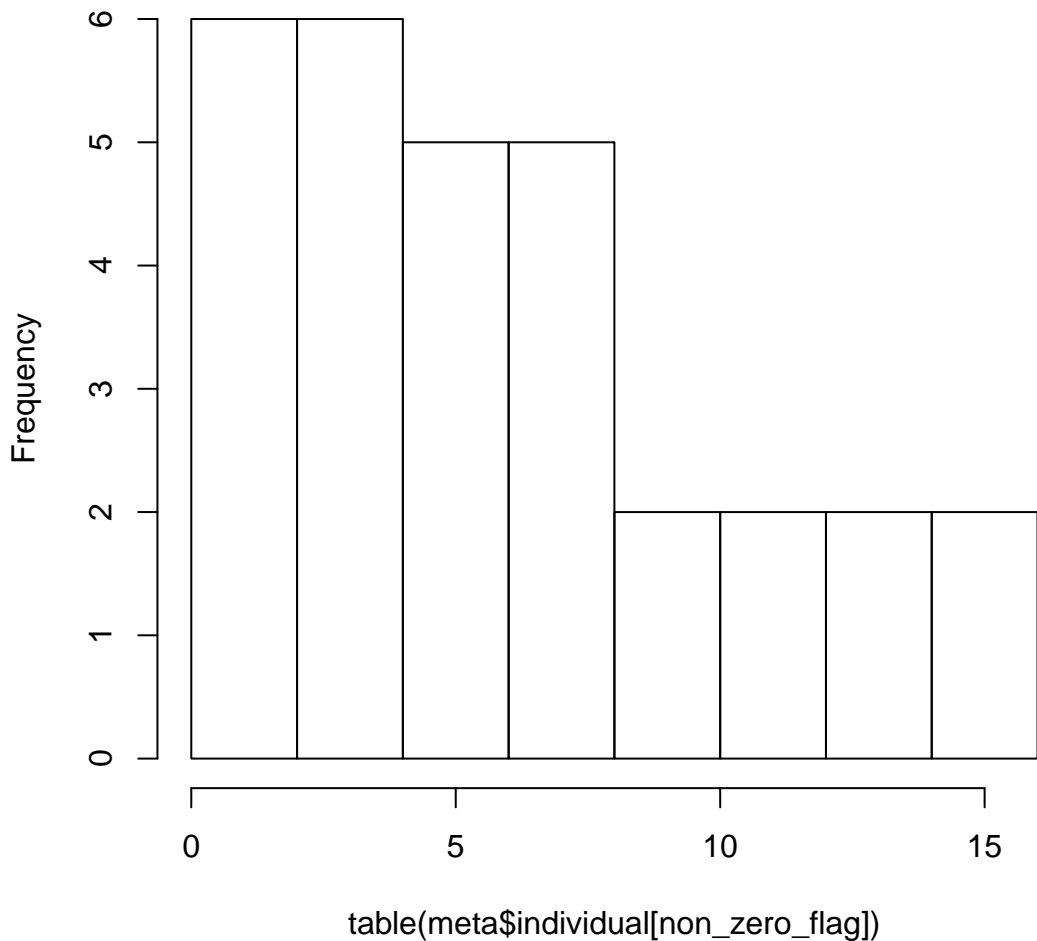
KSless sig: individual expression cell count of gene#68



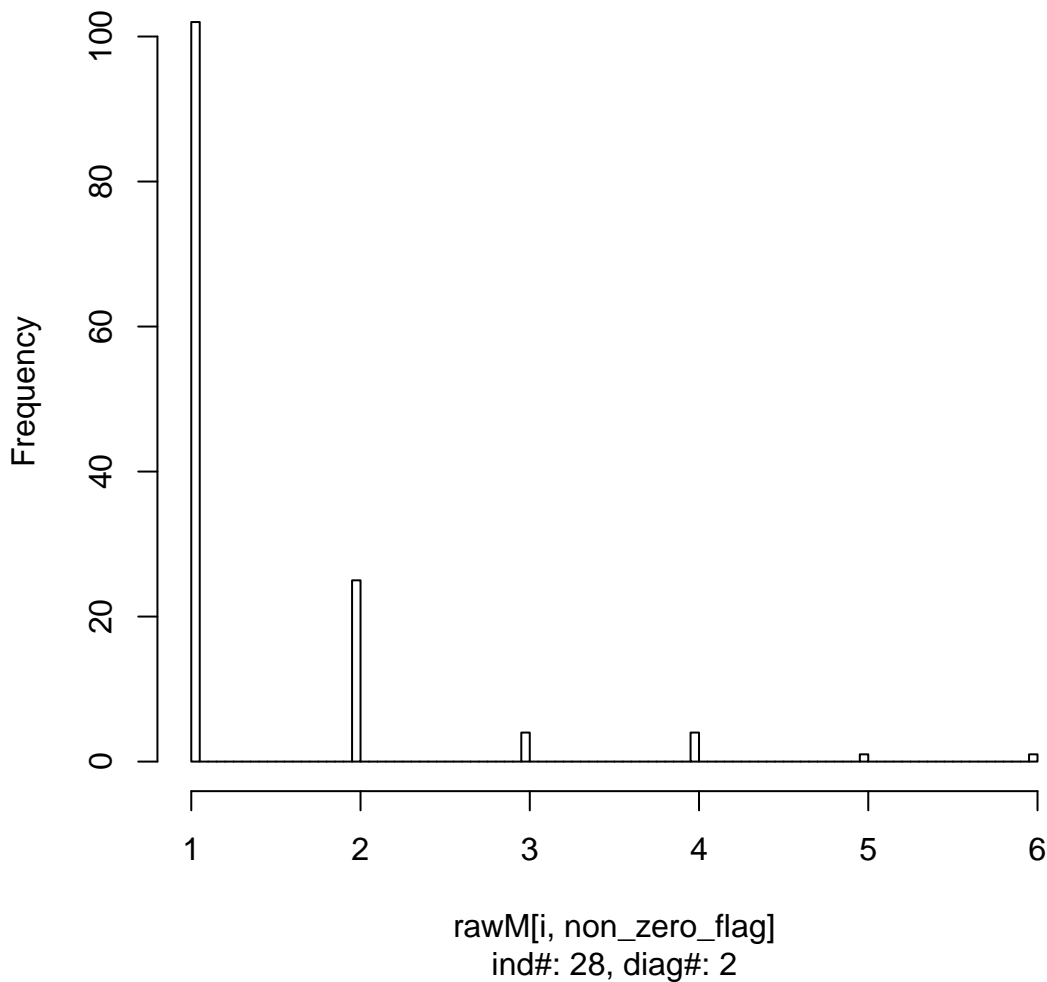
less sig: log expression of gene#72, pval ob=0.2564, non-zero nu



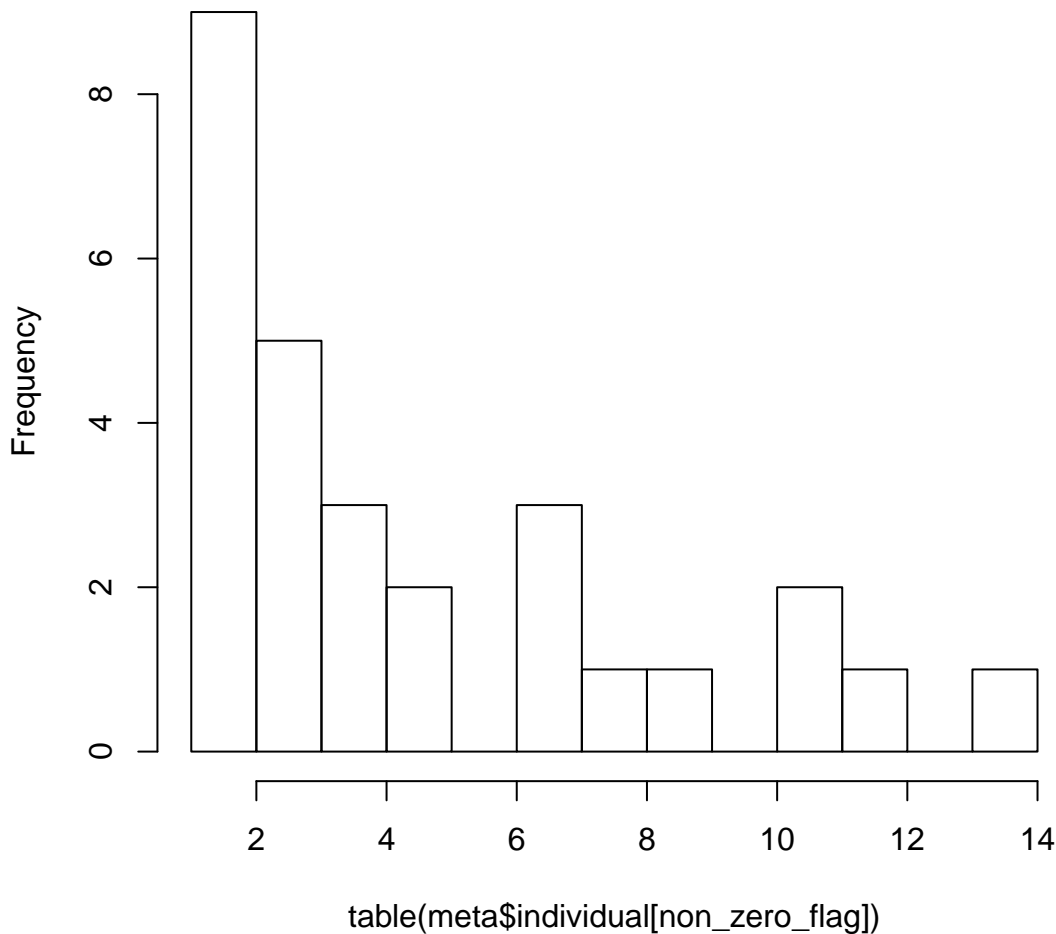
KSless sig: individual expression cell count of gene#72



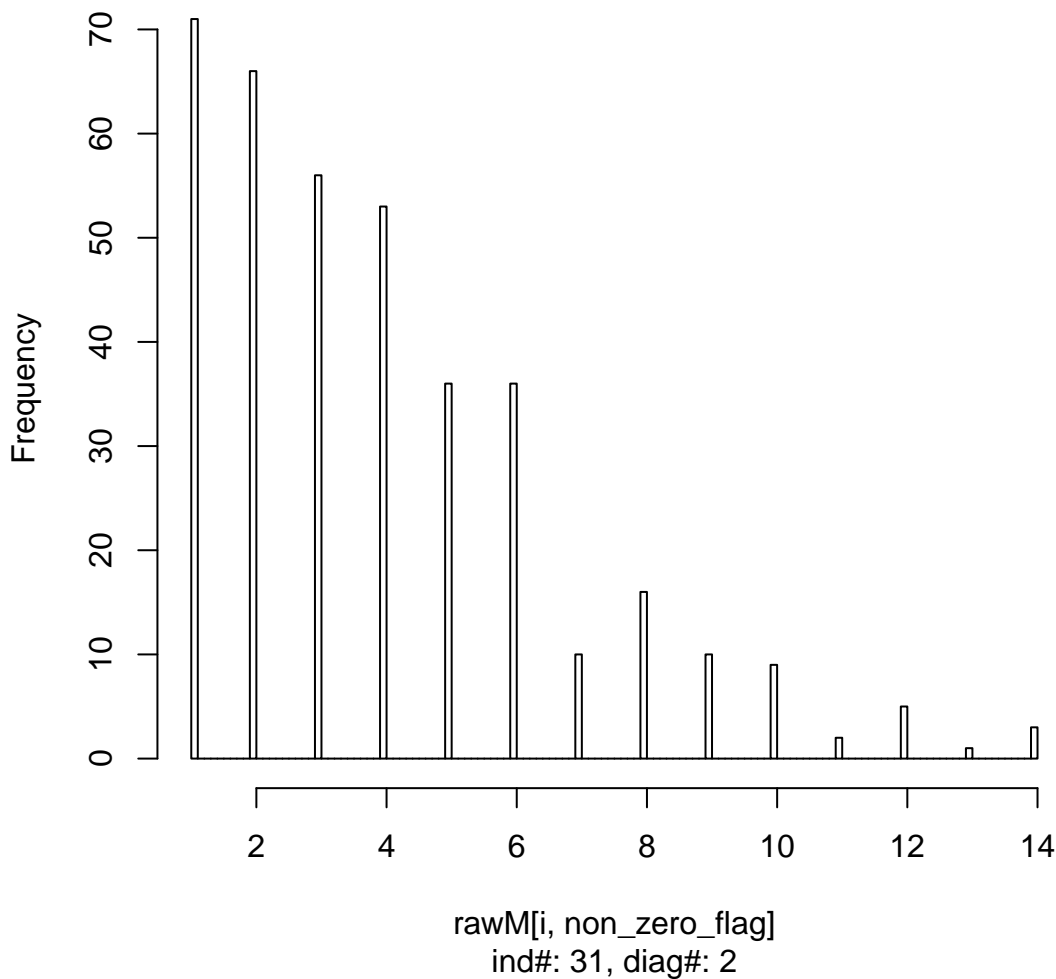
less sig: log expression of gene#83, pval ob=0.573, non-zero nu



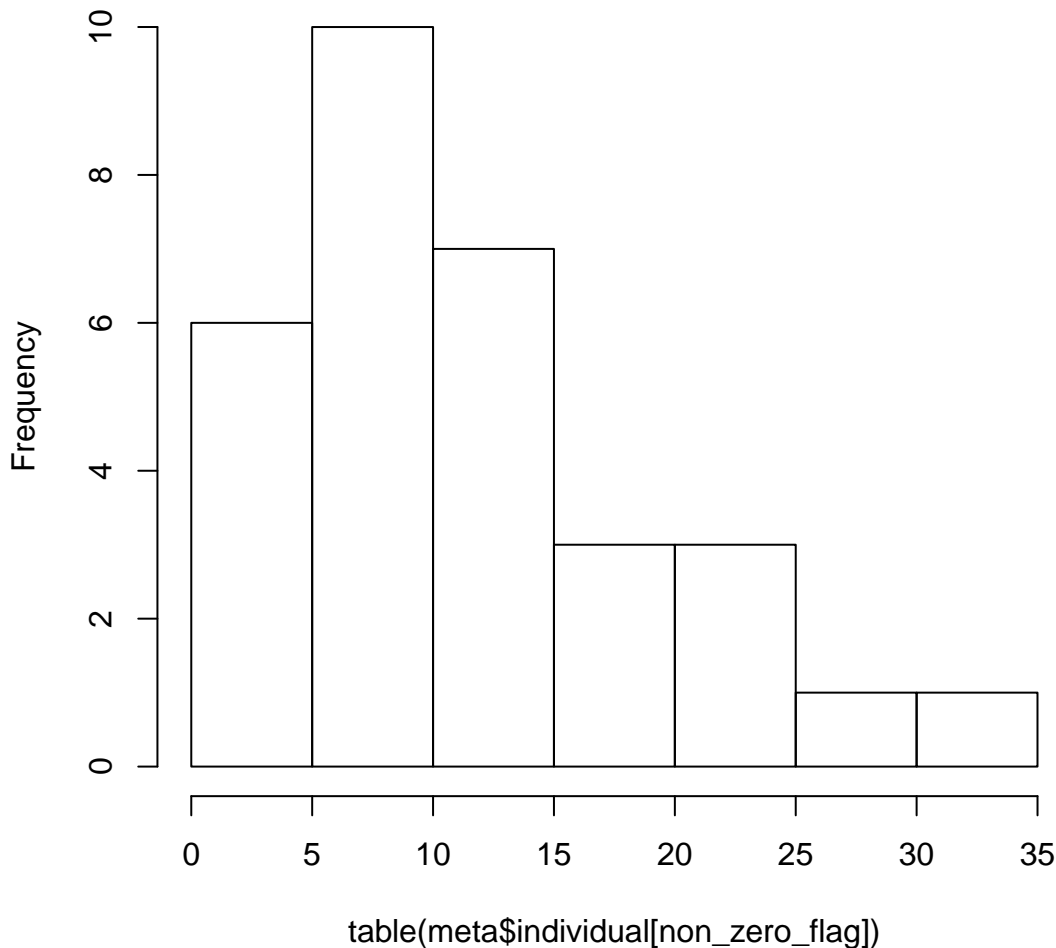
KSless sig: individual expression cell count of gene#83



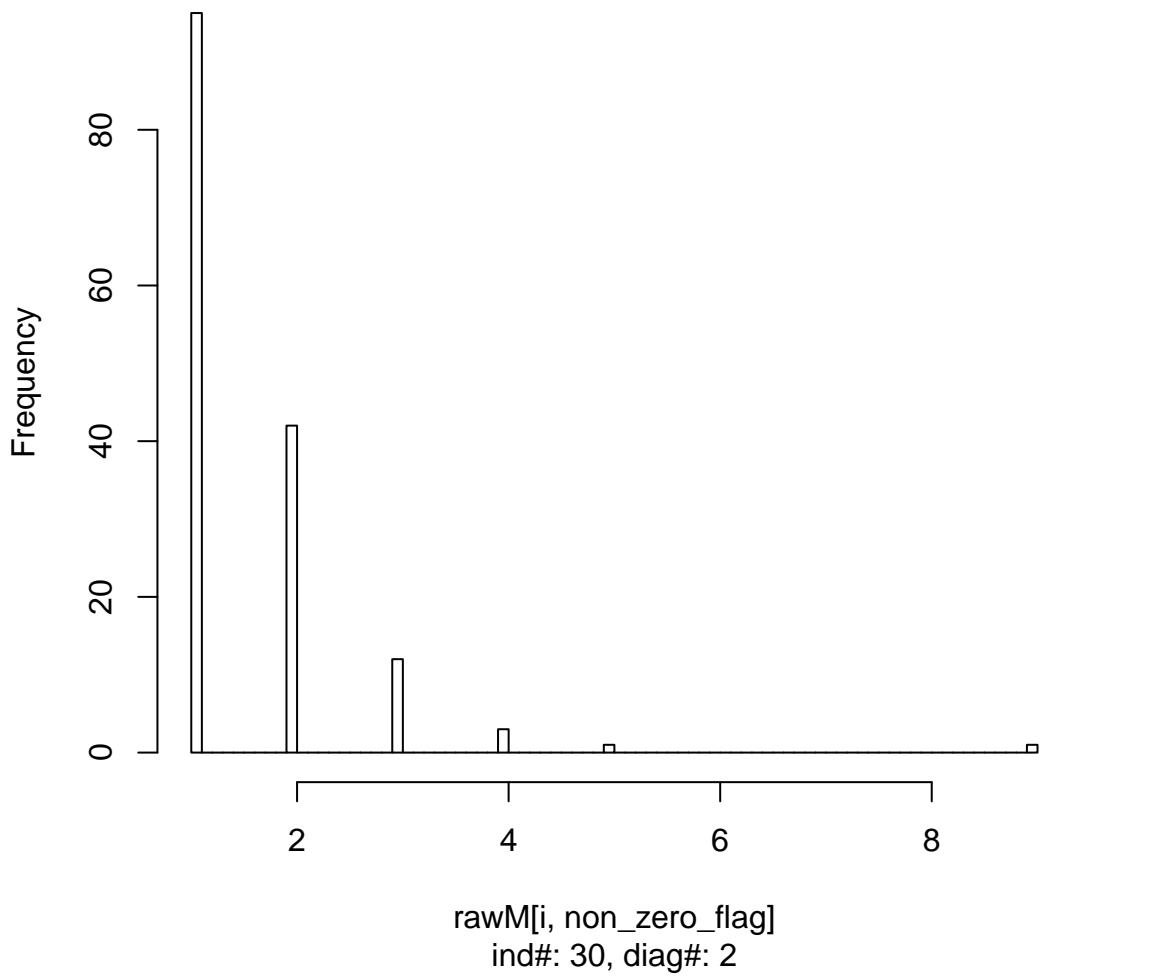
less sig: log expression of gene#88, pval ob=0.1193, non-zero nu



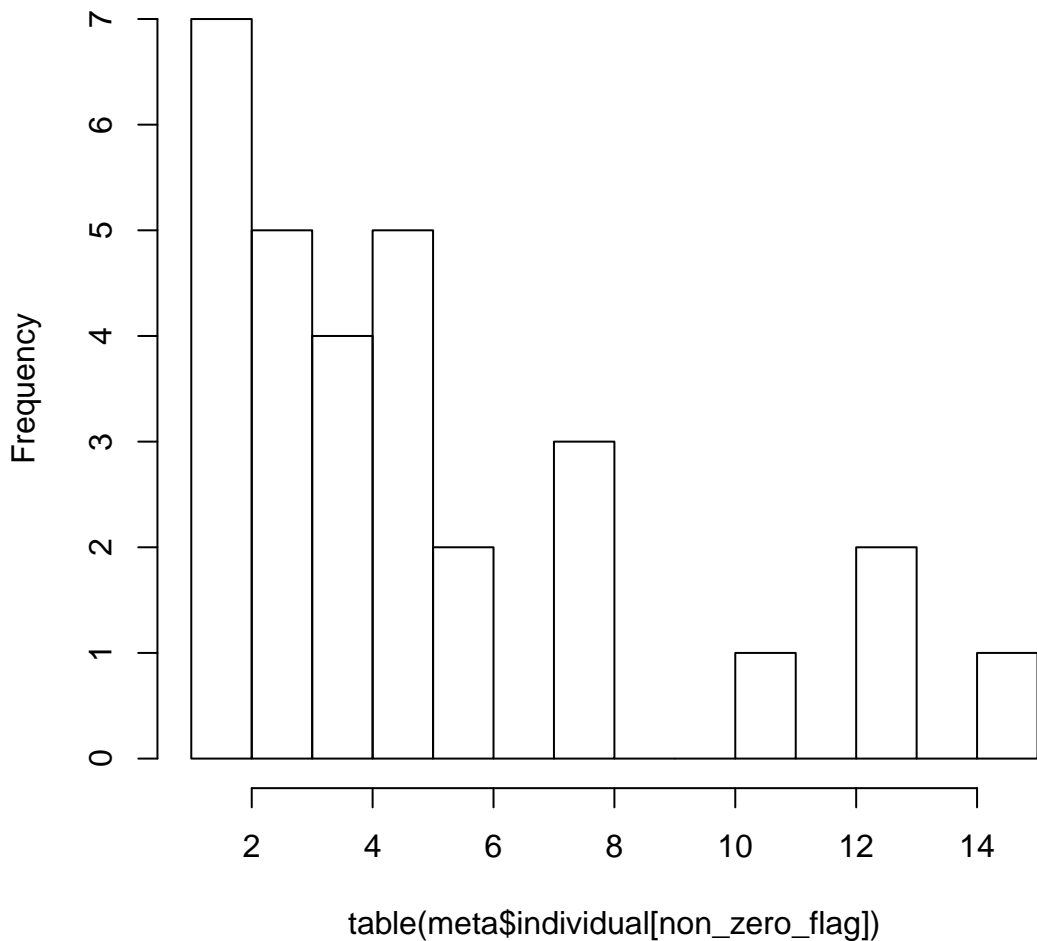
KSless sig: individual expression cell count of gene#88



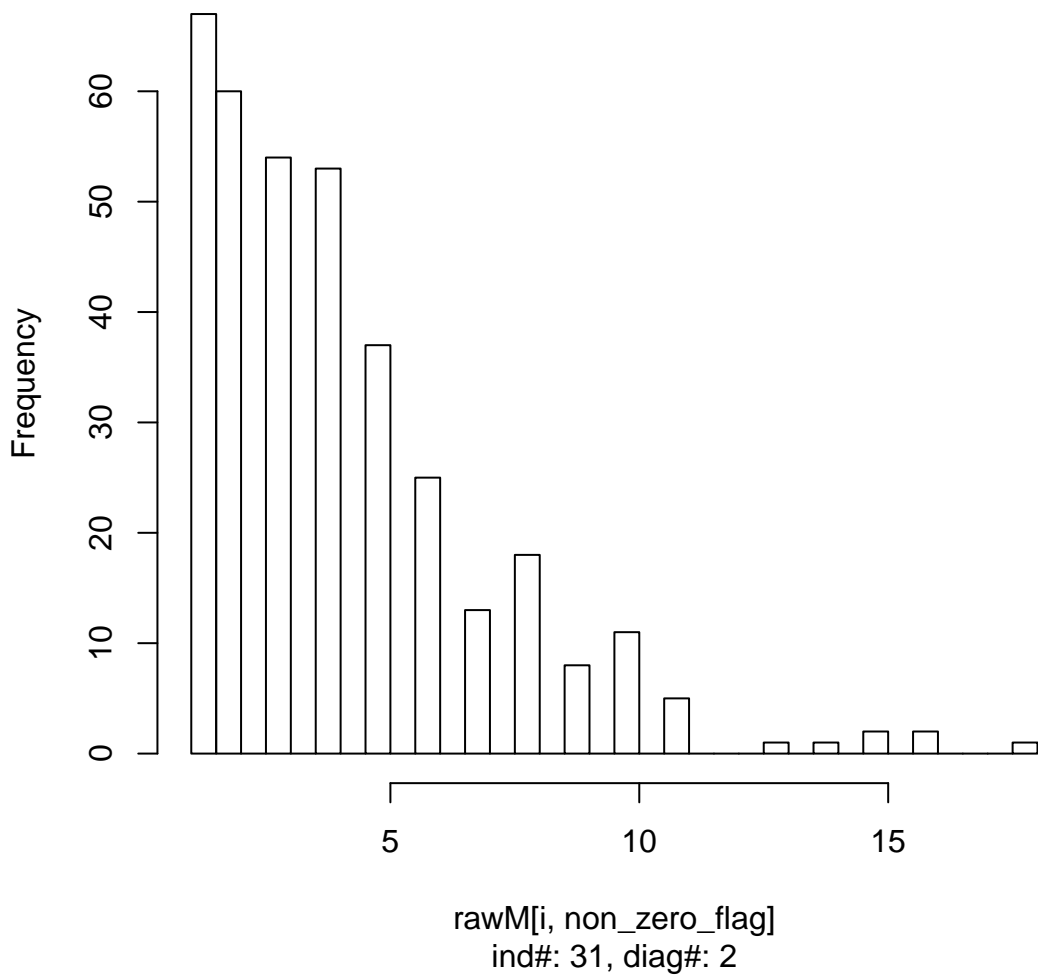
less sig: log expression of gene#93, pval ob=0.0611, non-zero nu



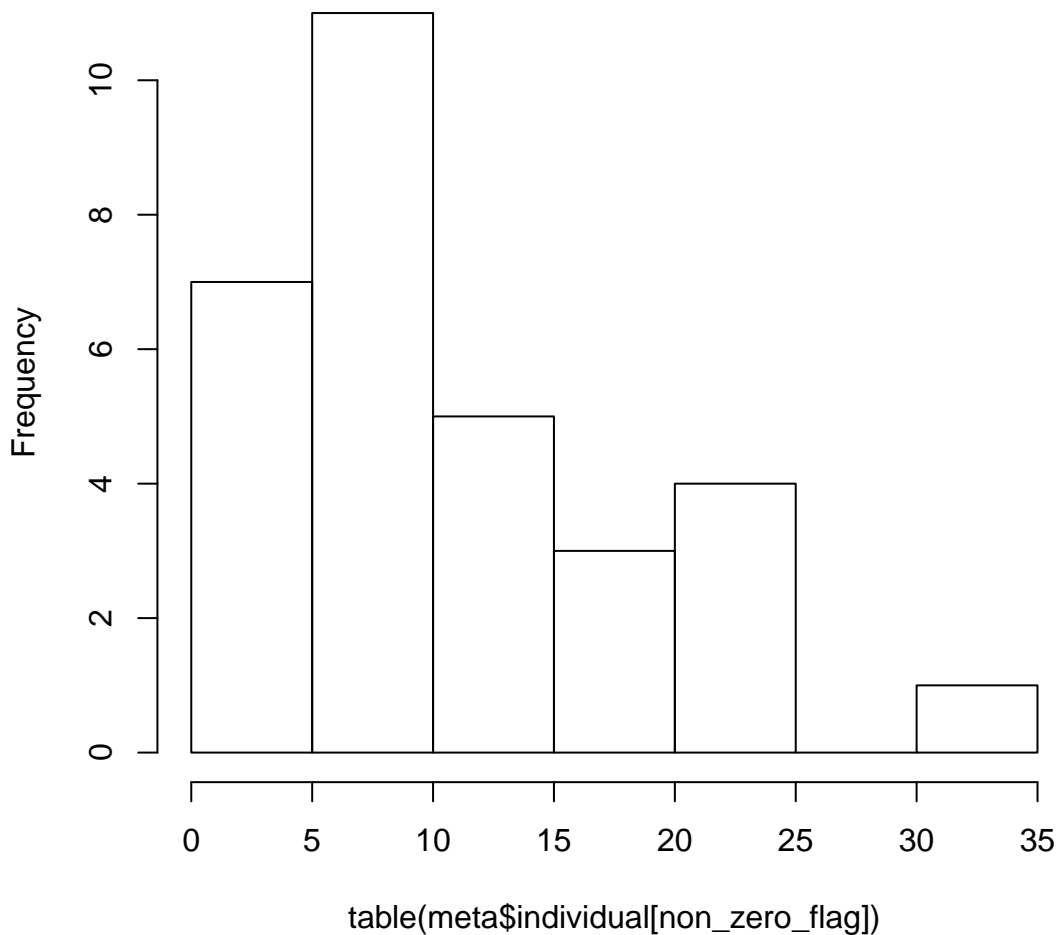
KSless sig: individual expression cell count of gene#93



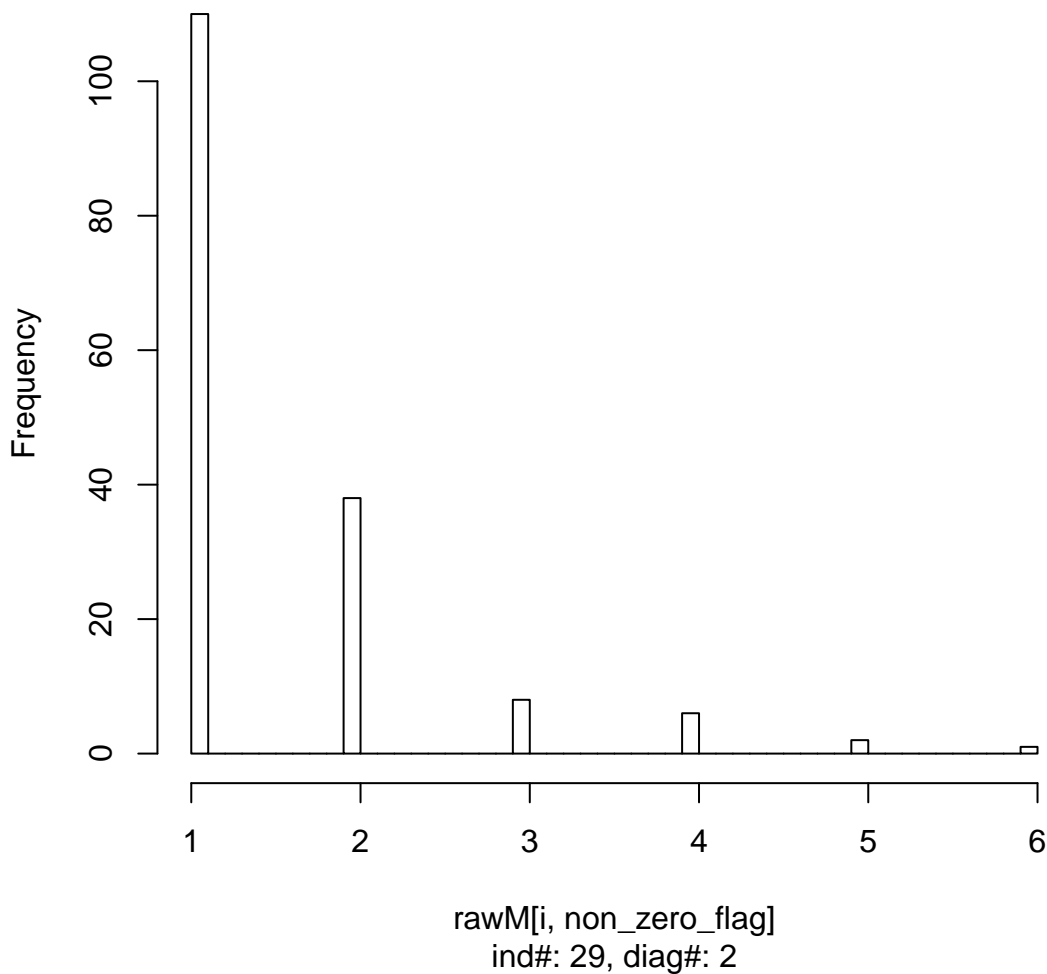
S nonsig: log expression of gene#1, pval ob=0.6565, non-zero num



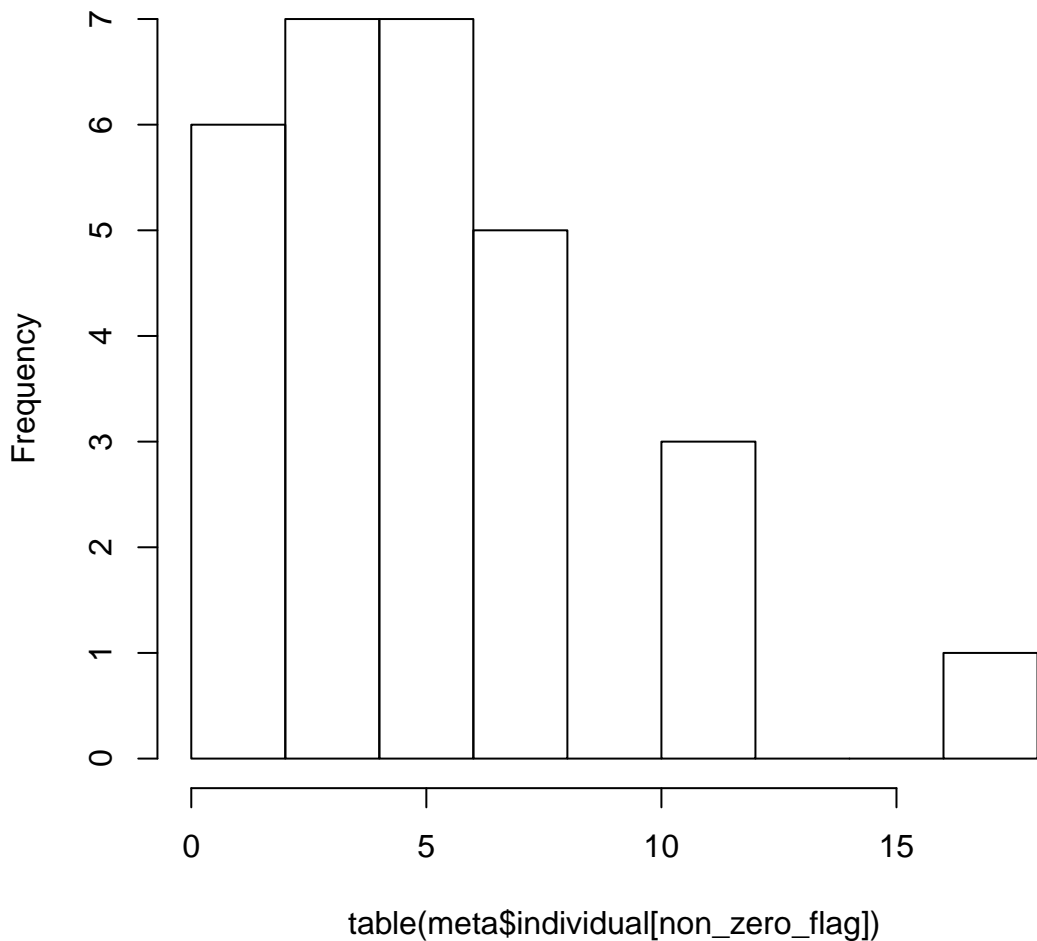
KSless nonsig: individual expression cell count of gene#1



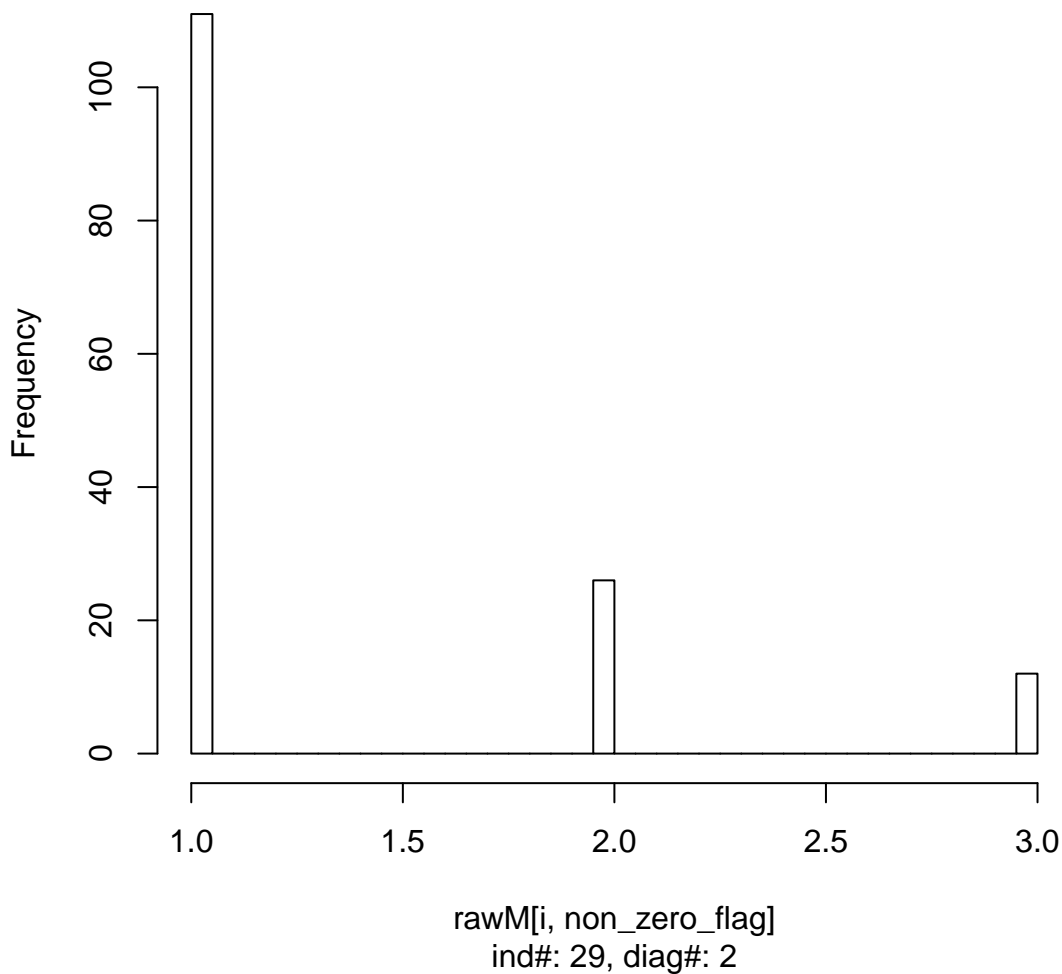
S nonsig: log expression of gene#2, pval ob=0.2052, non-zero num



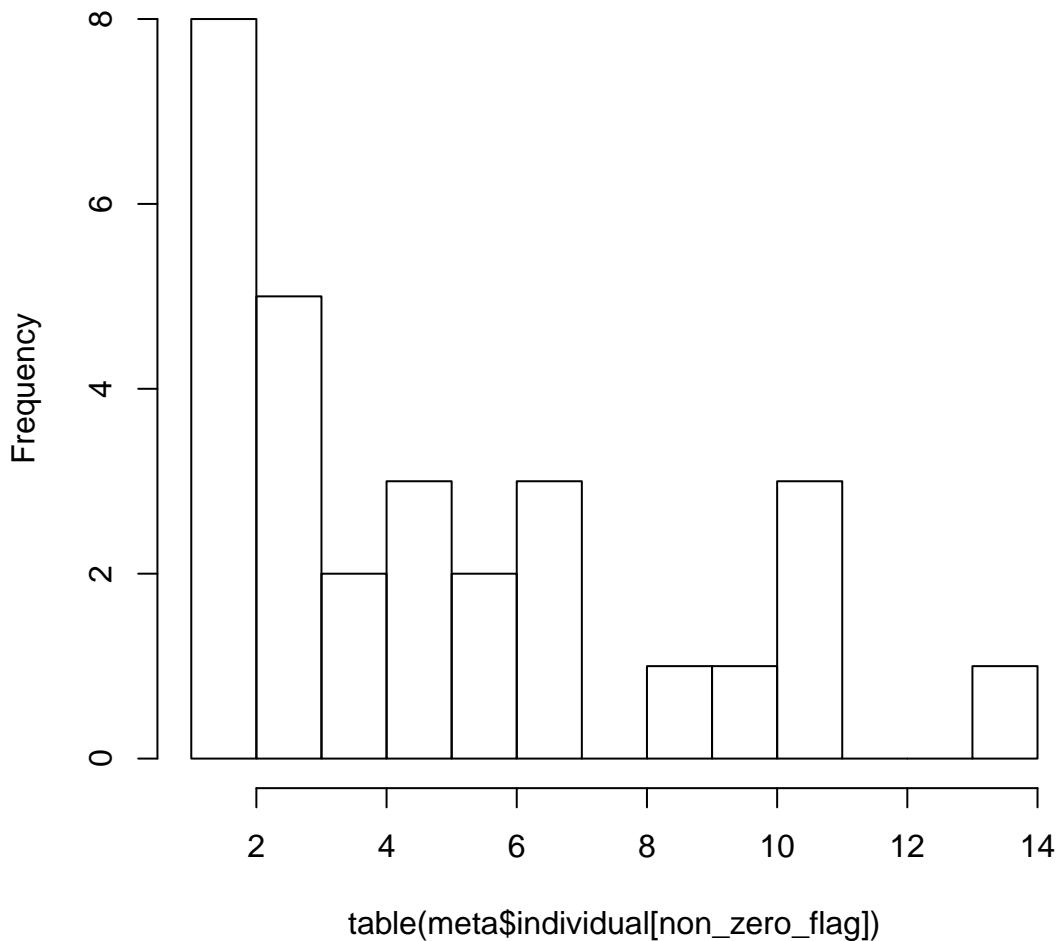
KSless nonsig: individual expression cell count of gene#2



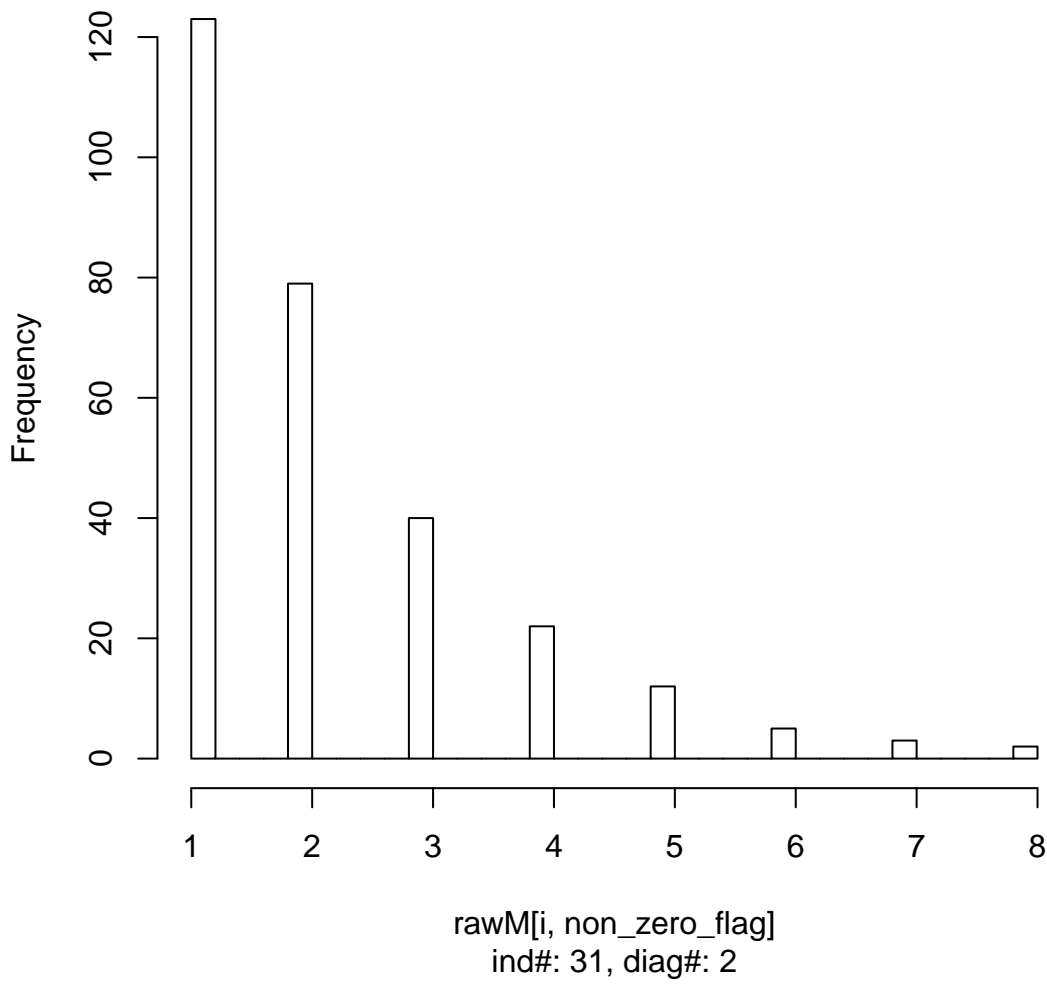
S nonsig: log expression of gene#3, pval ob=0.3714, non-zero num



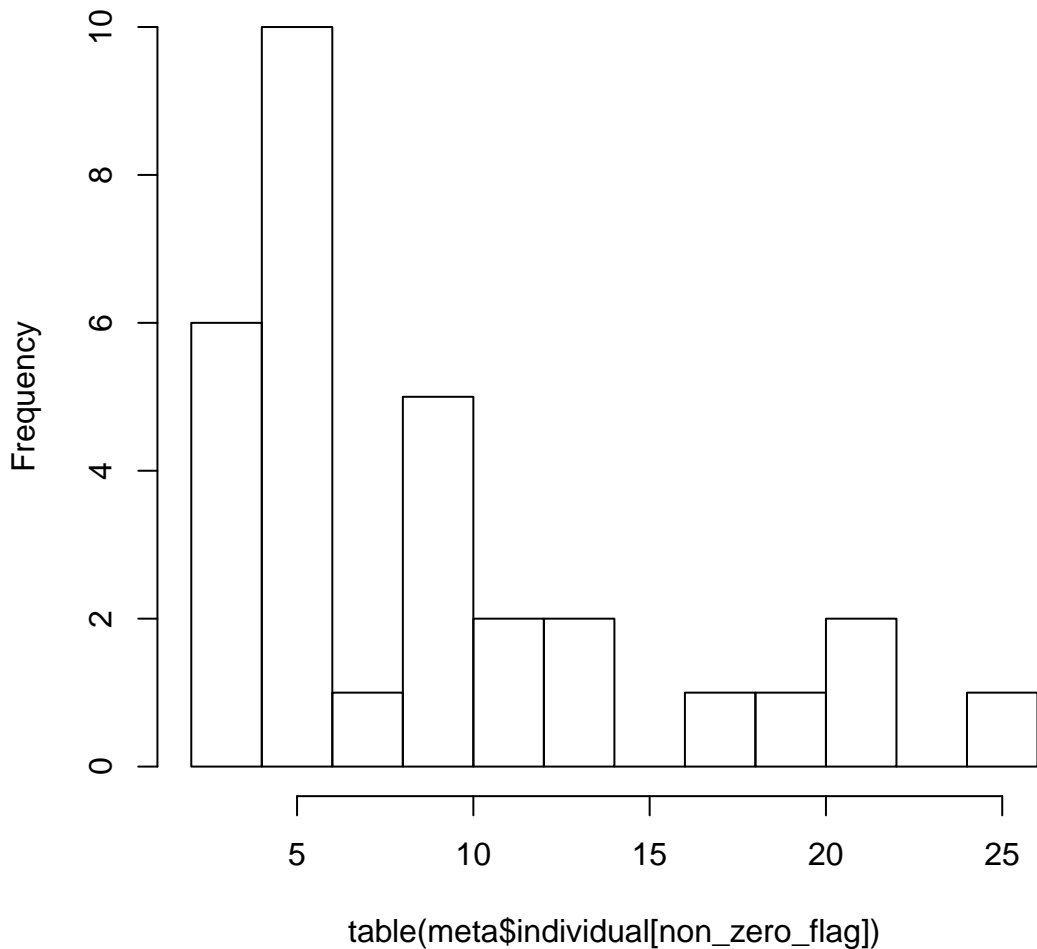
KSless nonsig: individual expression cell count of gene#3



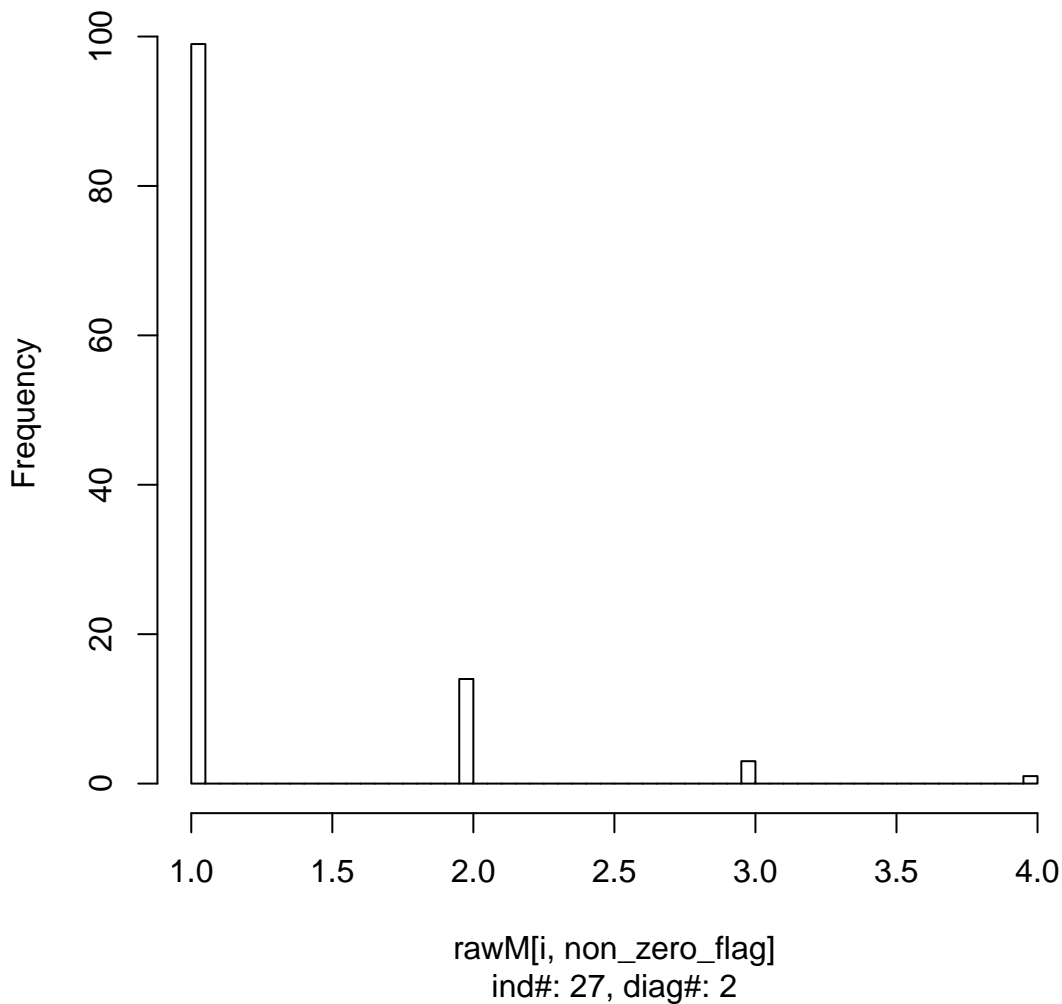
S nonsig: log expression of gene#4, pval ob=0.1014, non-zero num



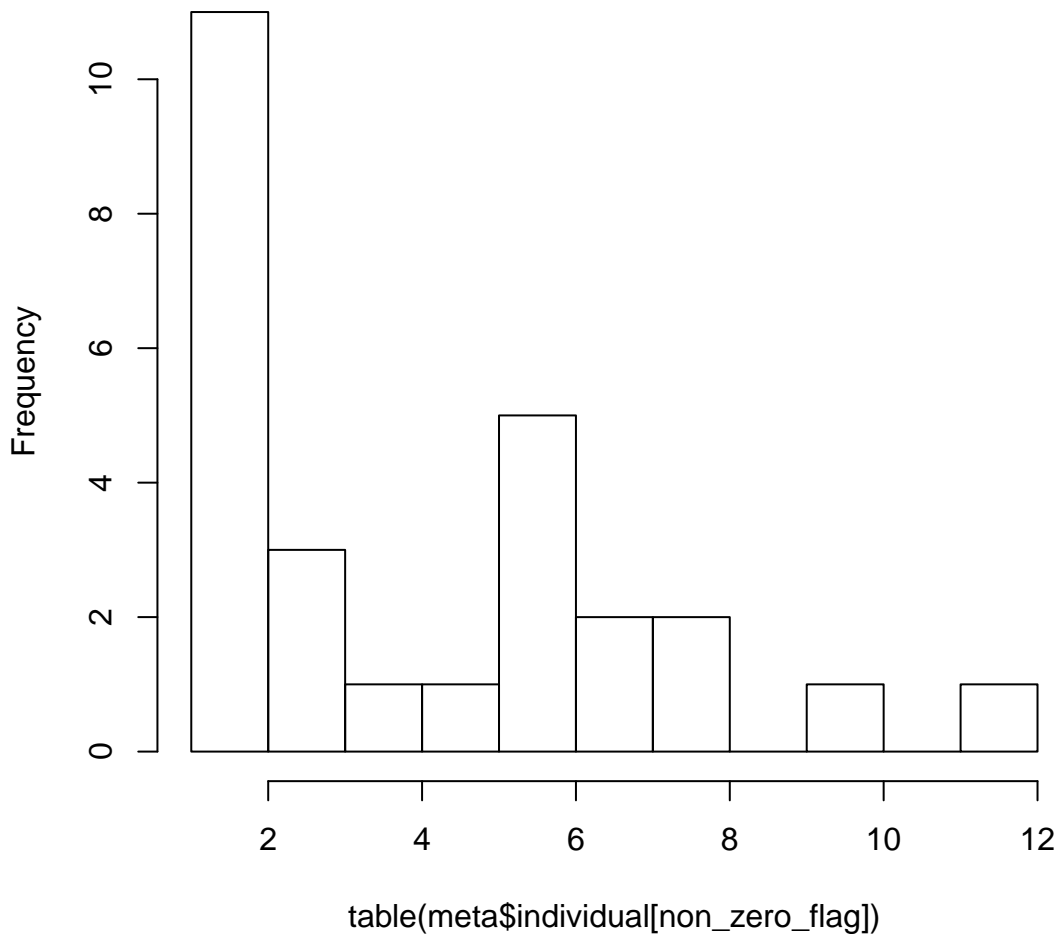
KSless nonsig: individual expression cell count of gene#4



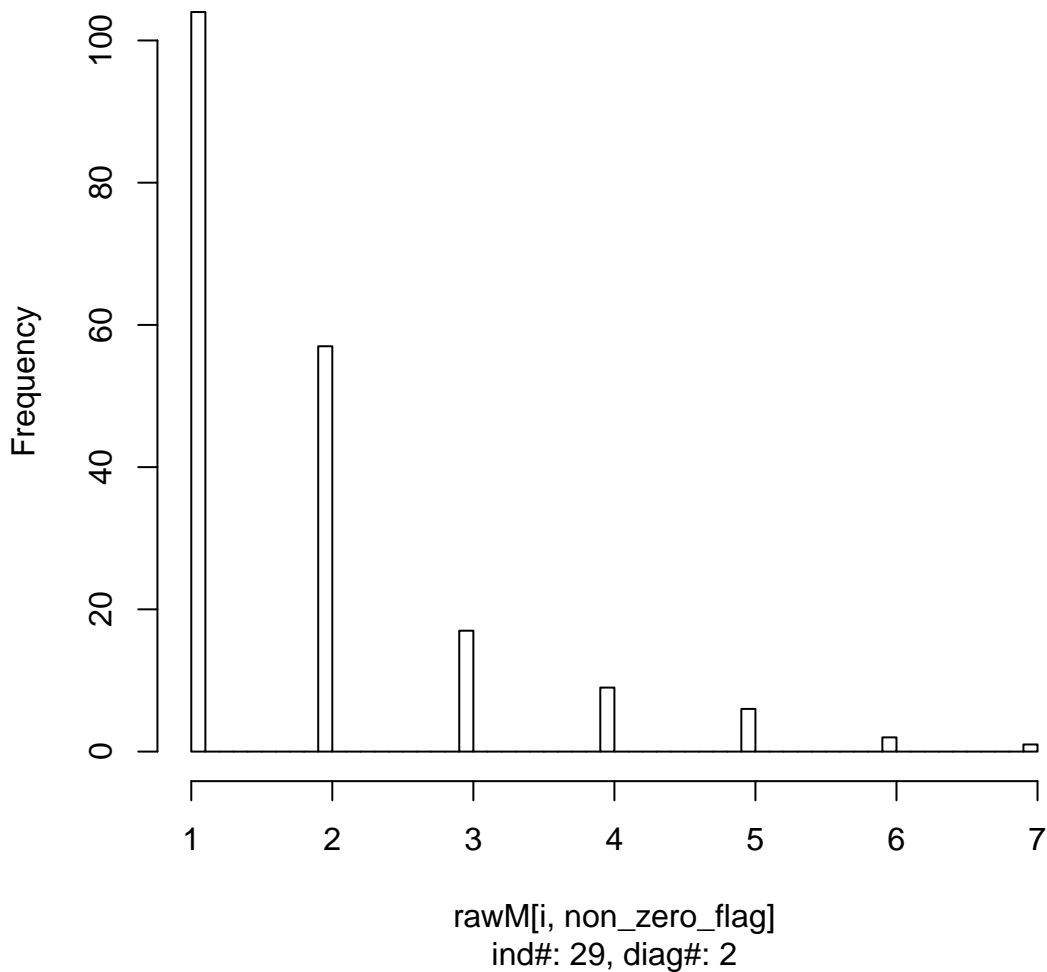
S nonsig: log expression of gene#5, pval ob=0.9133, non-zero nu



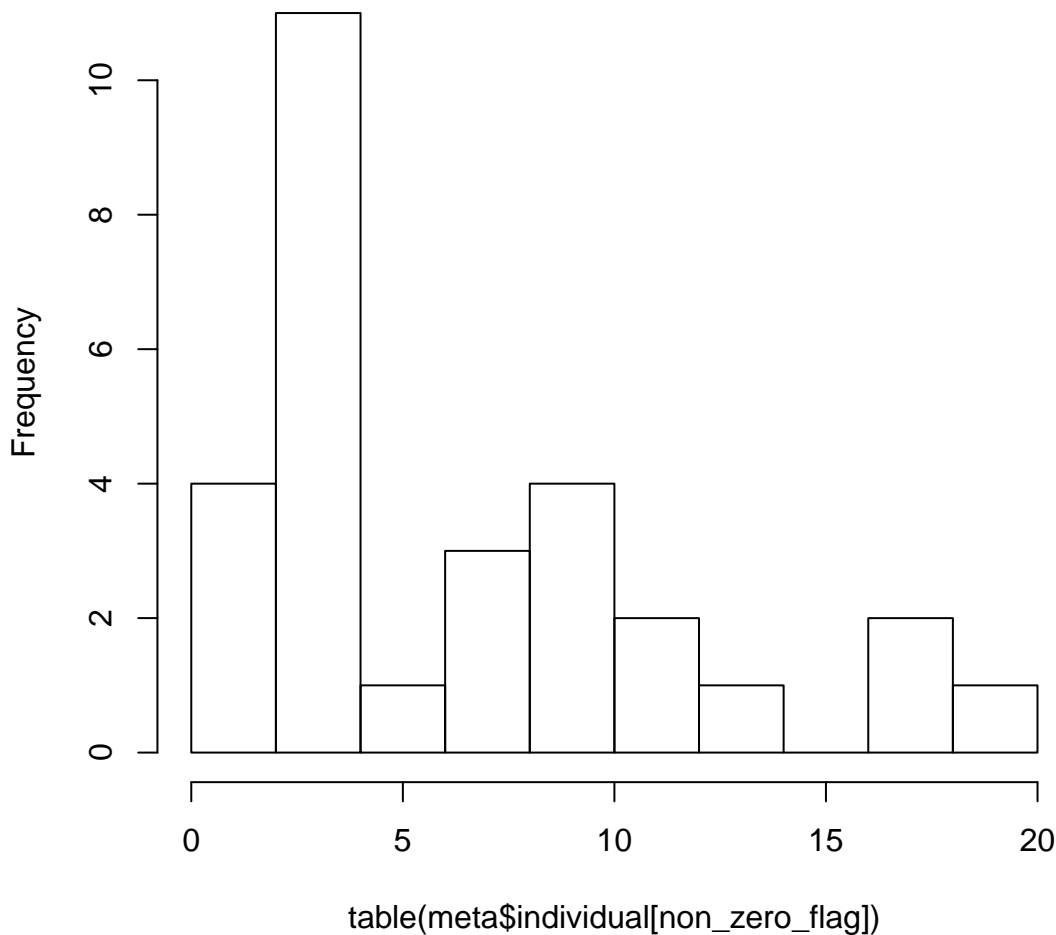
KSless nonsig: individual expression cell count of gene#5



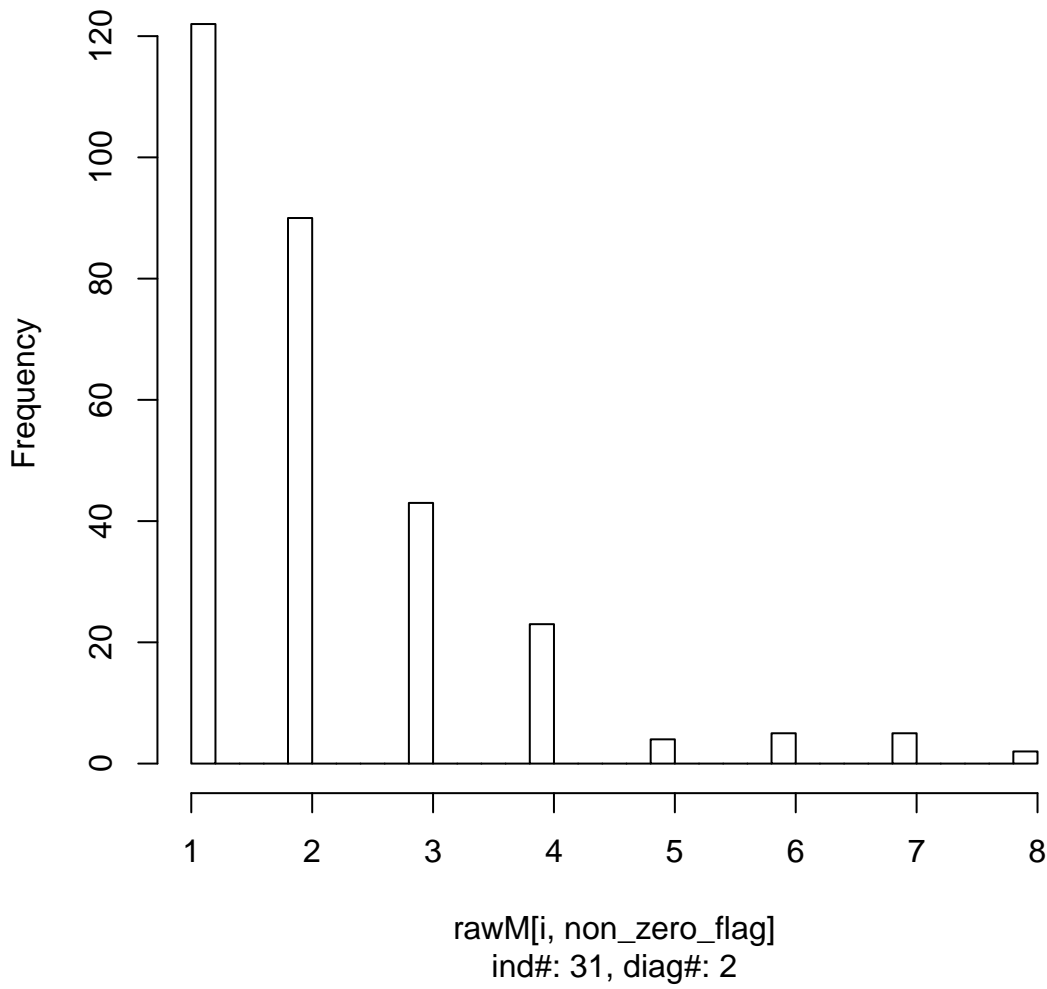
S nonsig: log expression of gene#6, pval ob=0.8727, non-zero num



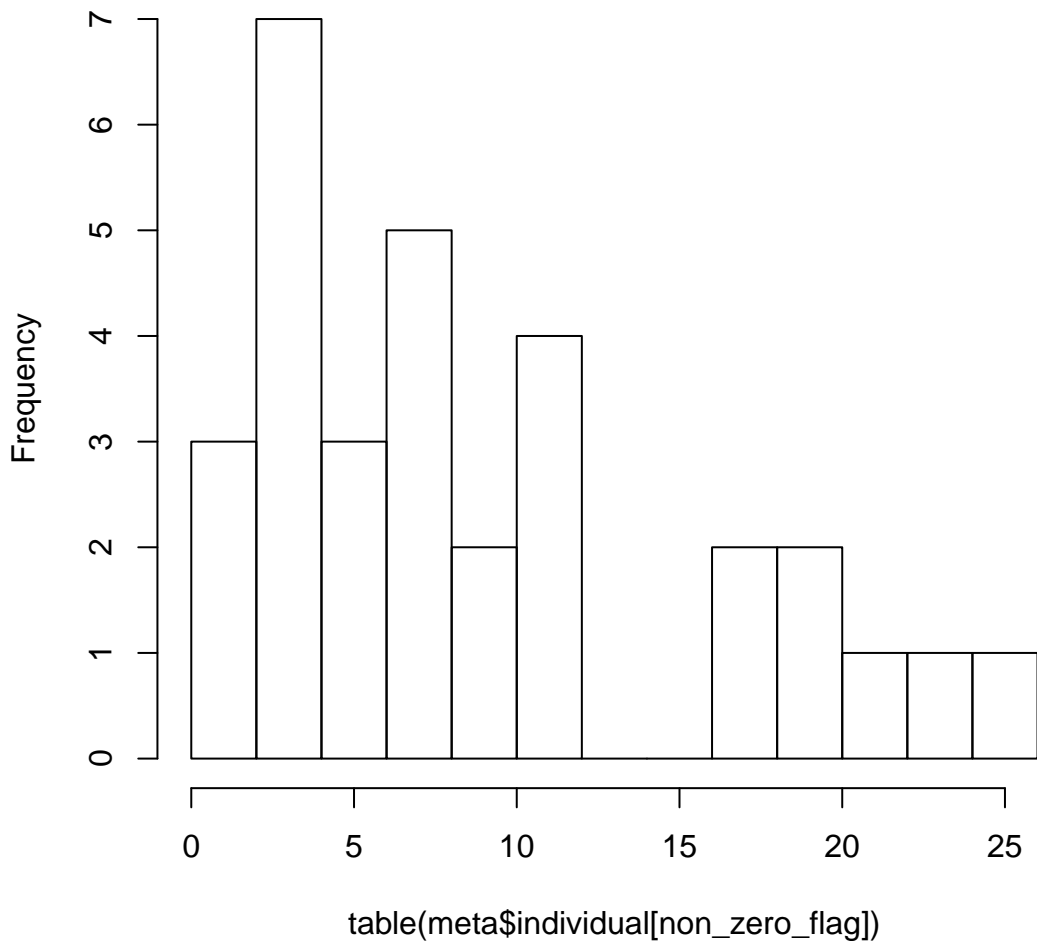
KSless nonsig: individual expression cell count of gene#6



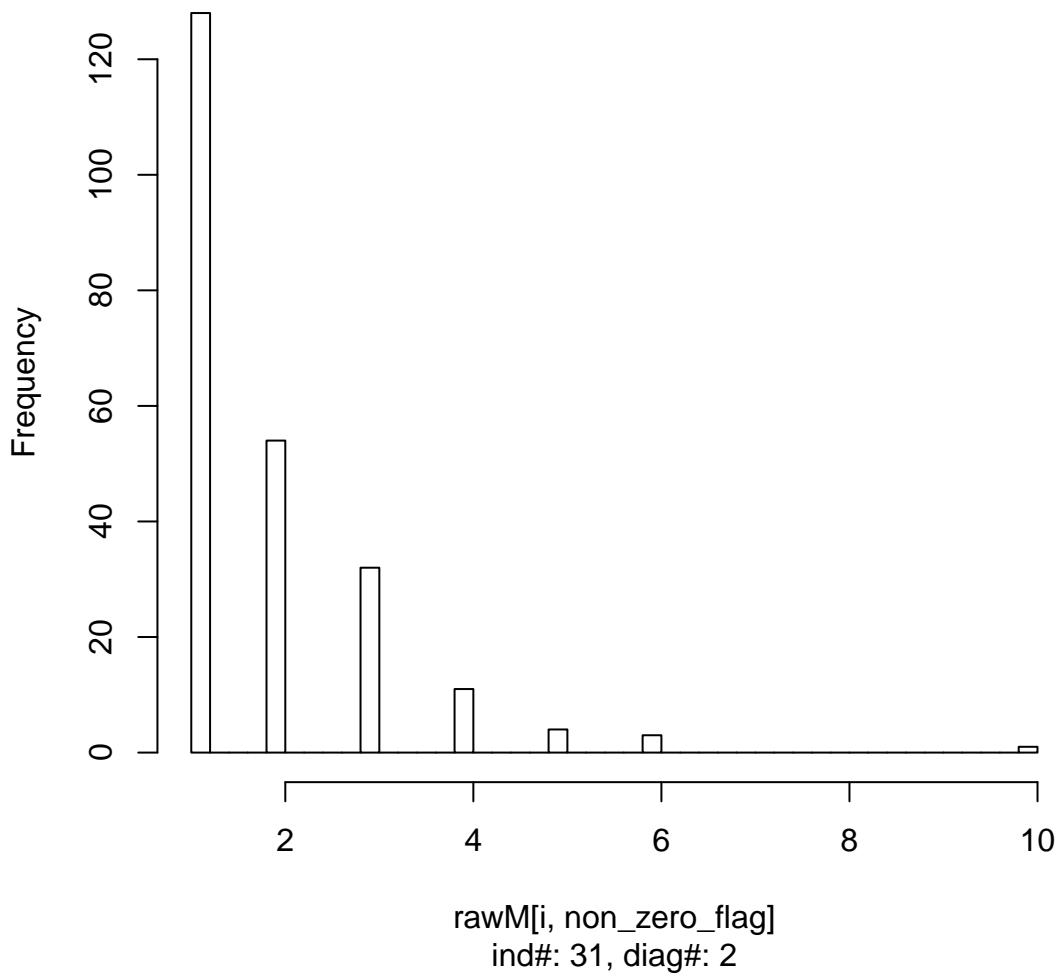
KS nonsig: log expression of gene#7, pval ob=0.67, non-zero num



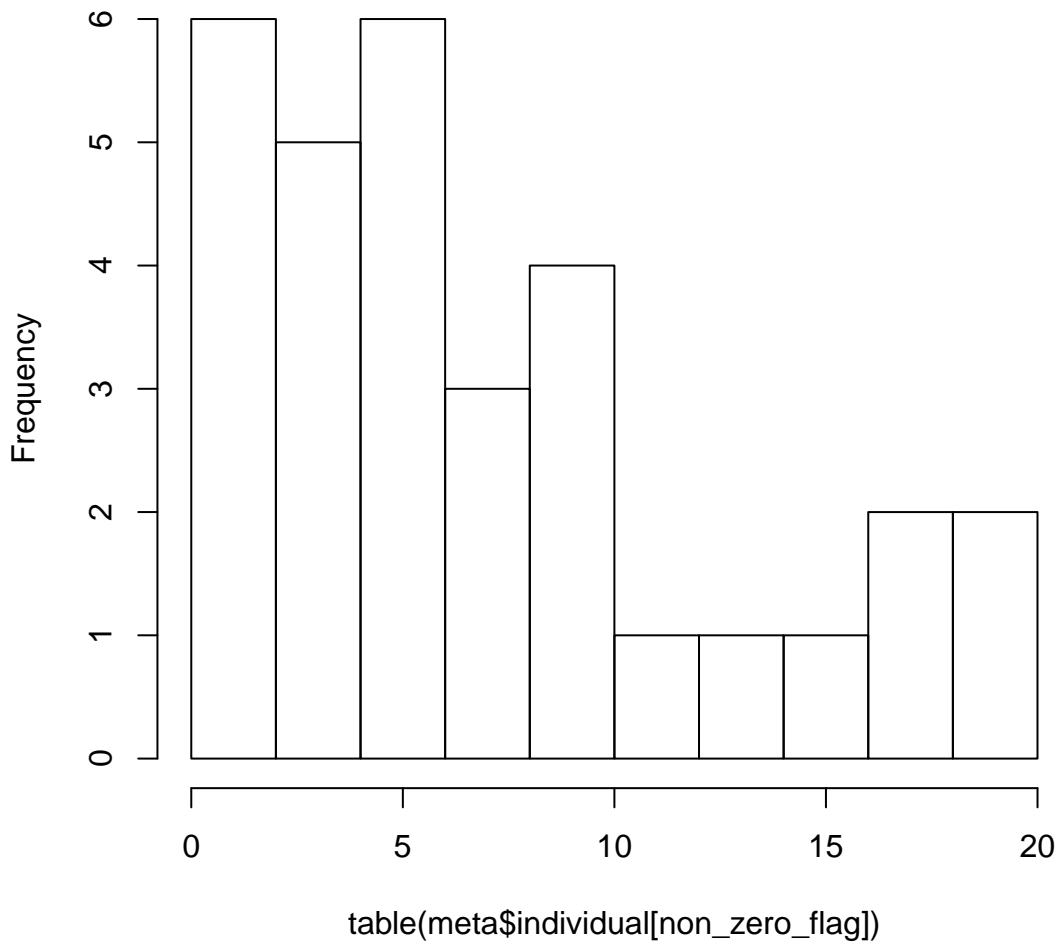
KSless nonsig: individual expression cell count of gene#7



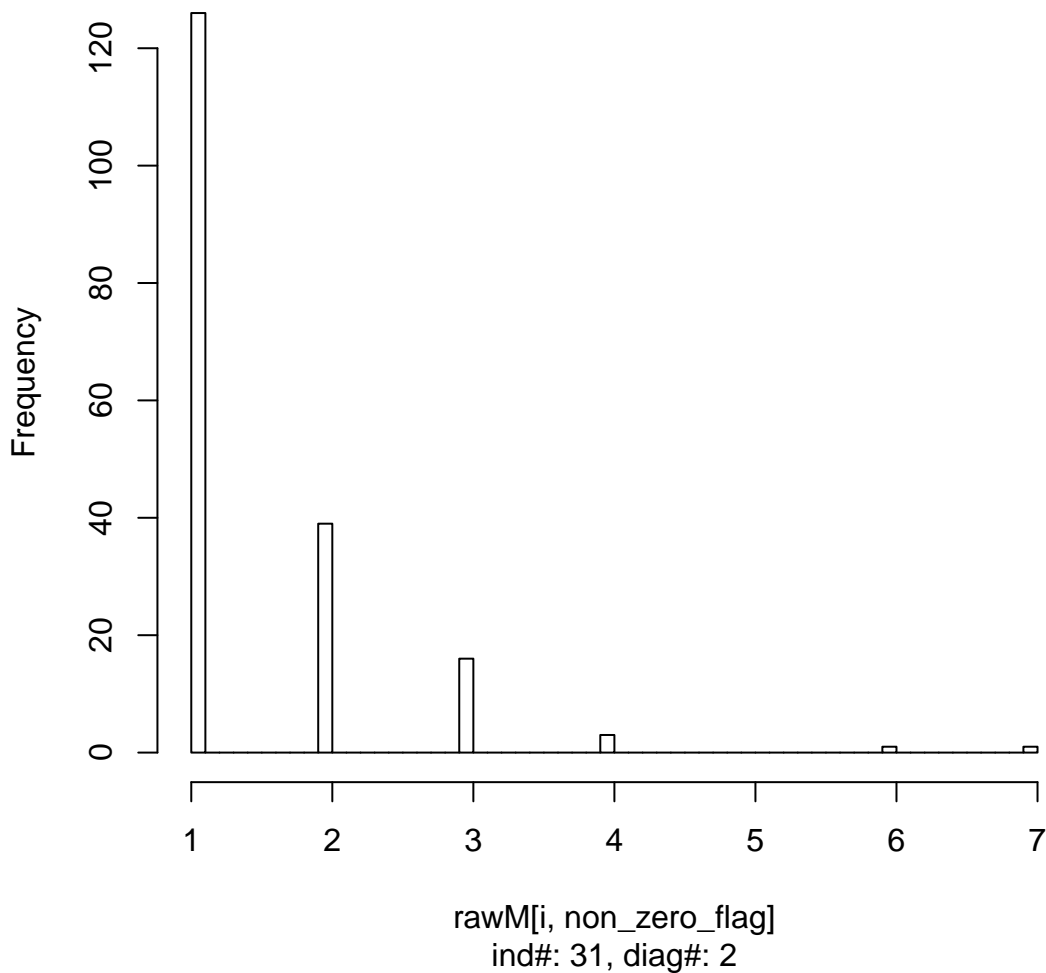
S nonsig: log expression of gene#8, pval ob=0.9372, non-zero num



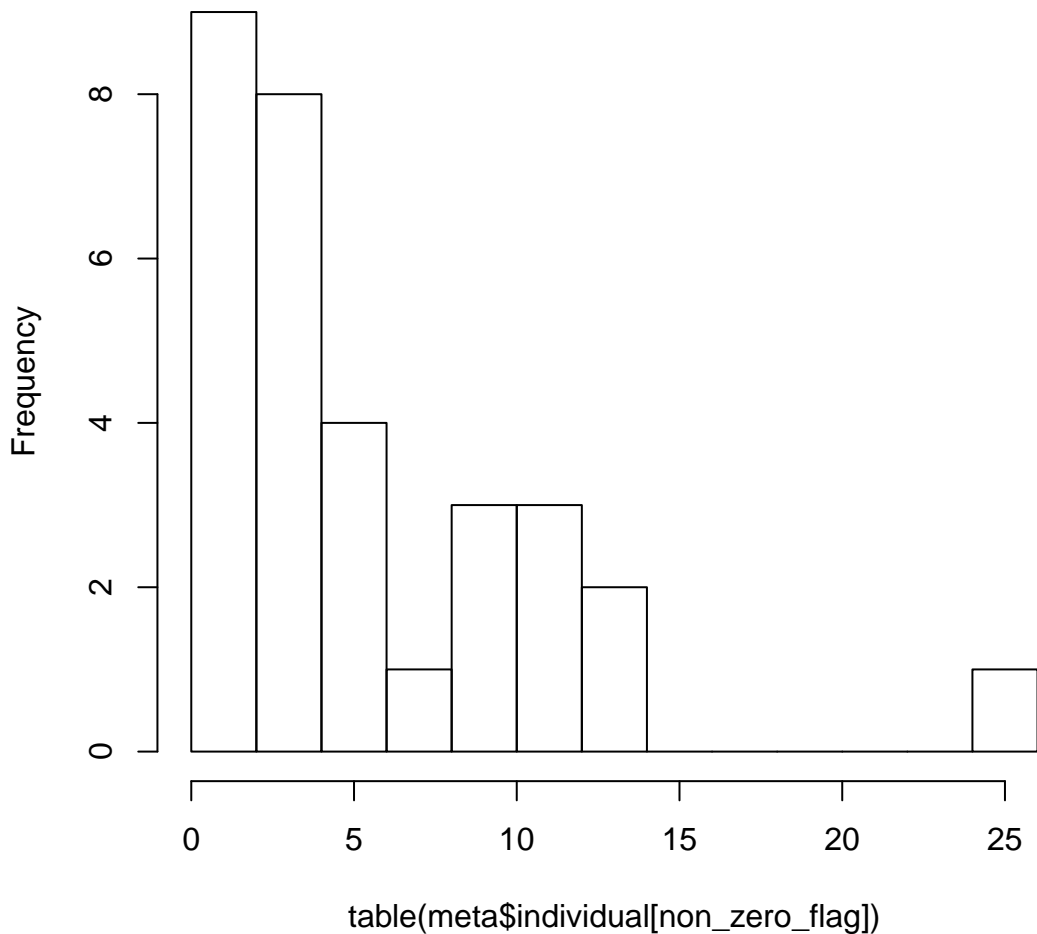
KSless nonsig: individual expression cell count of gene#8



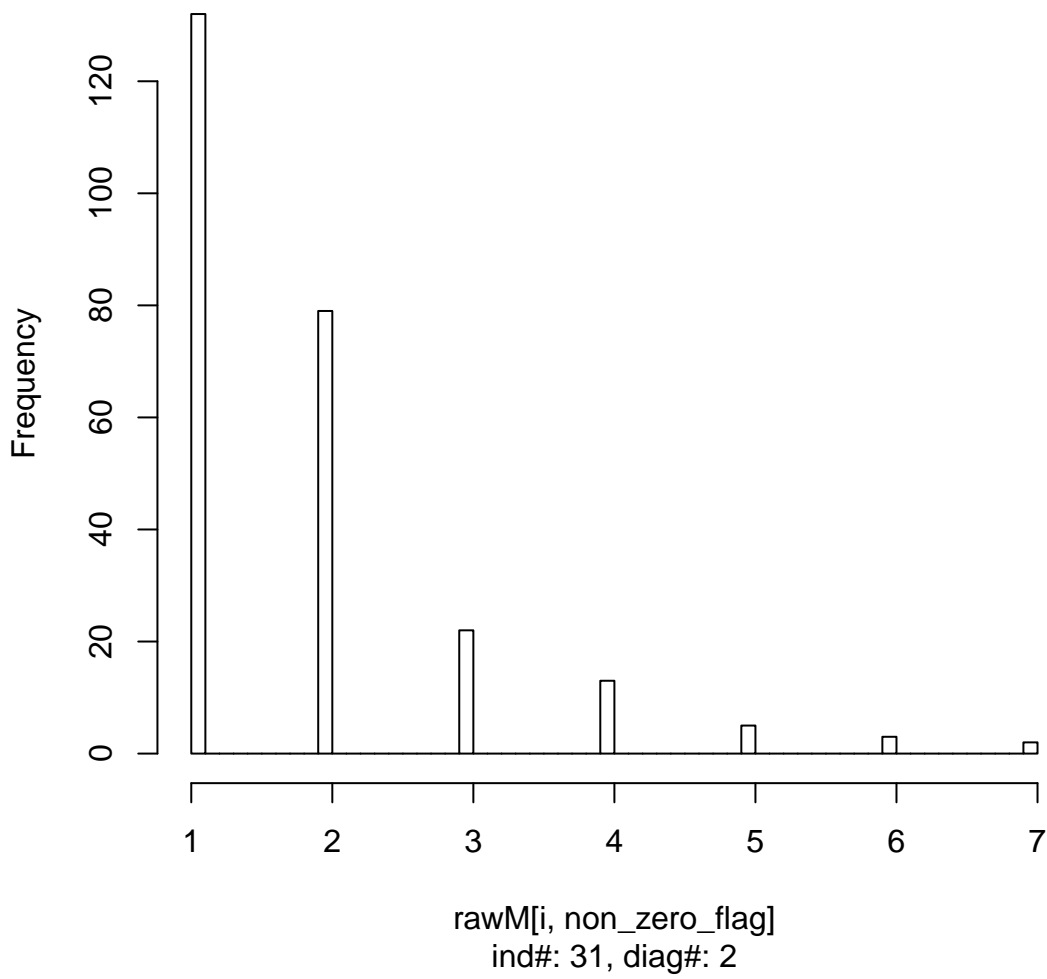
S nonsig: log expression of gene#9, pval ob=0.2979, non-zero num



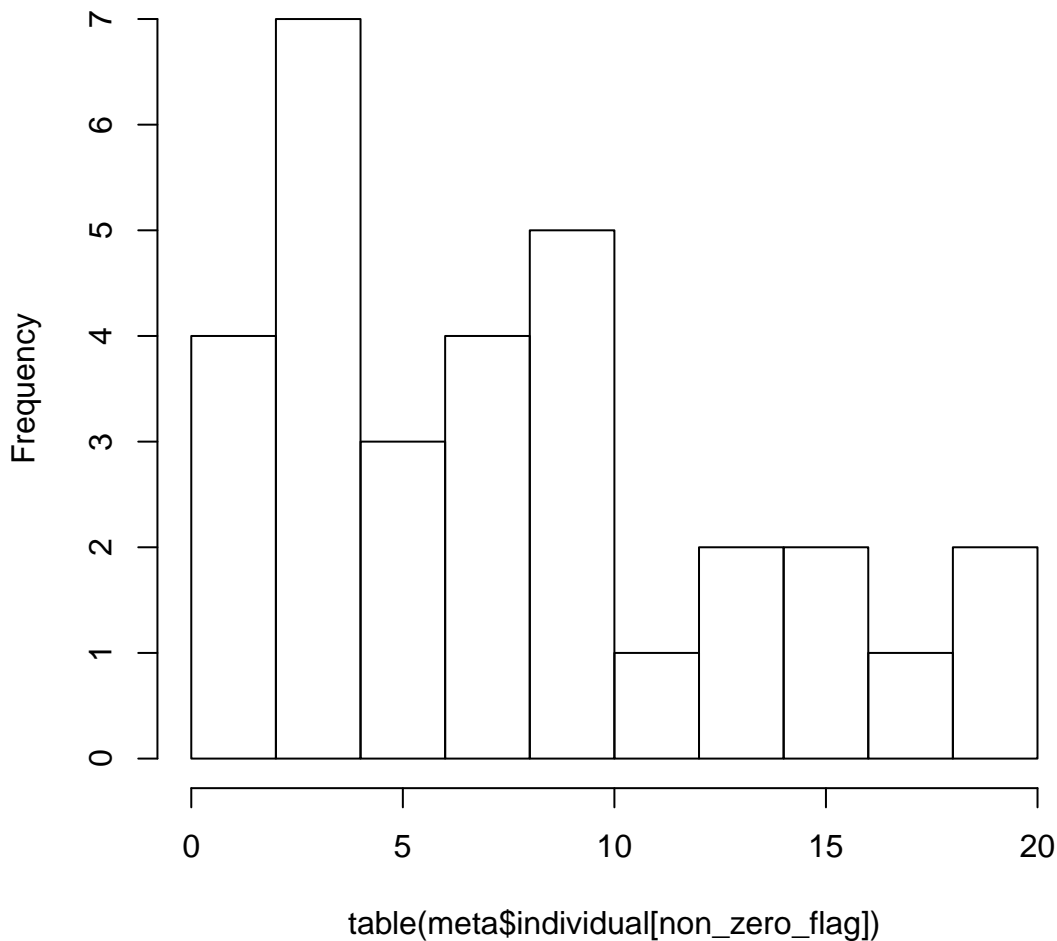
KSless nonsig: individual expression cell count of gene#9



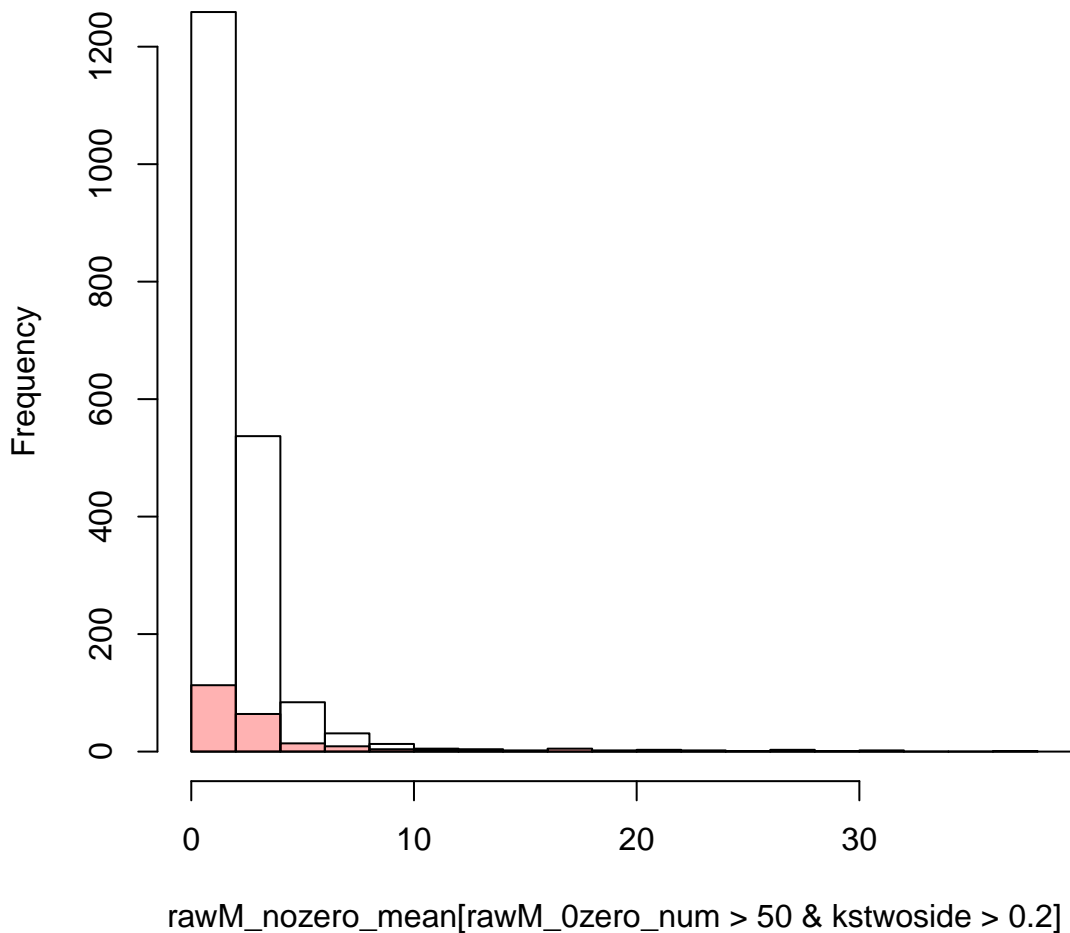
S nonsig: log expression of gene#11, pval ob=0.118, non-zero num



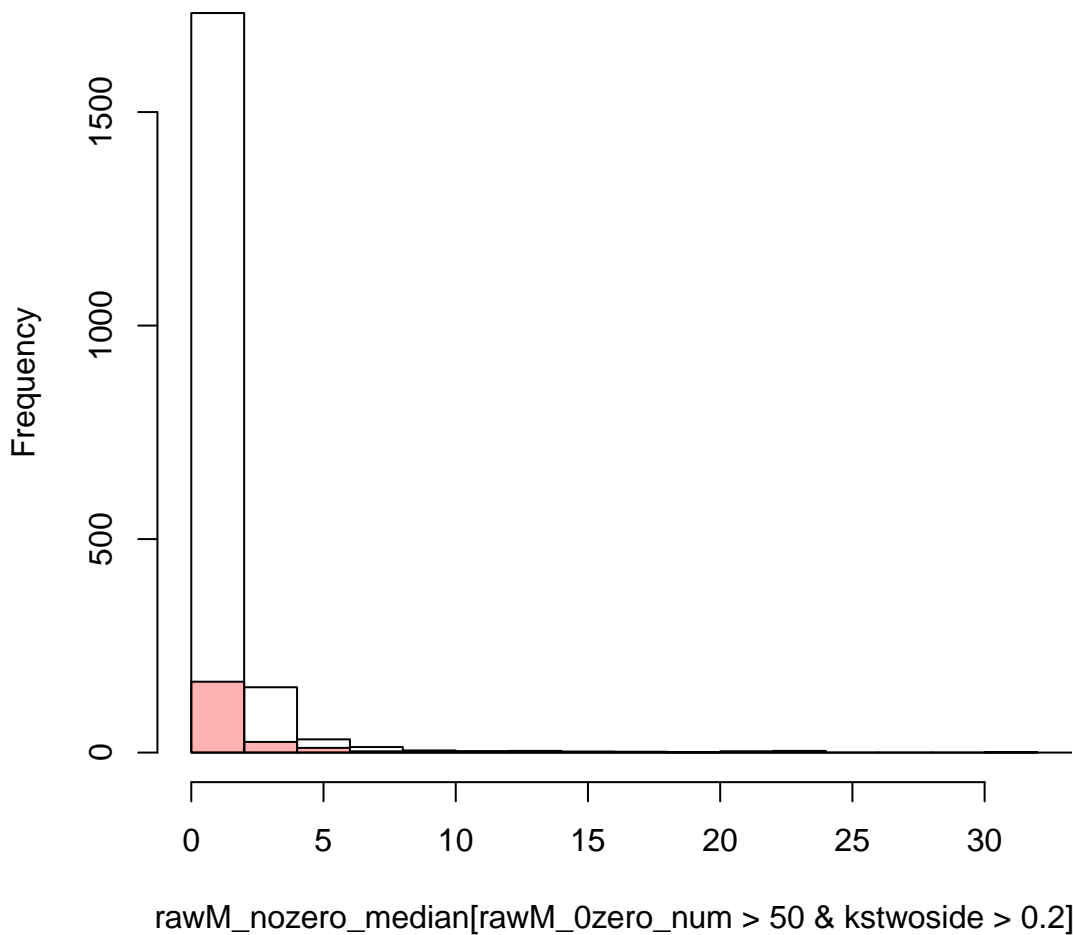
KSless nonsig: individual expression cell count of gene#11



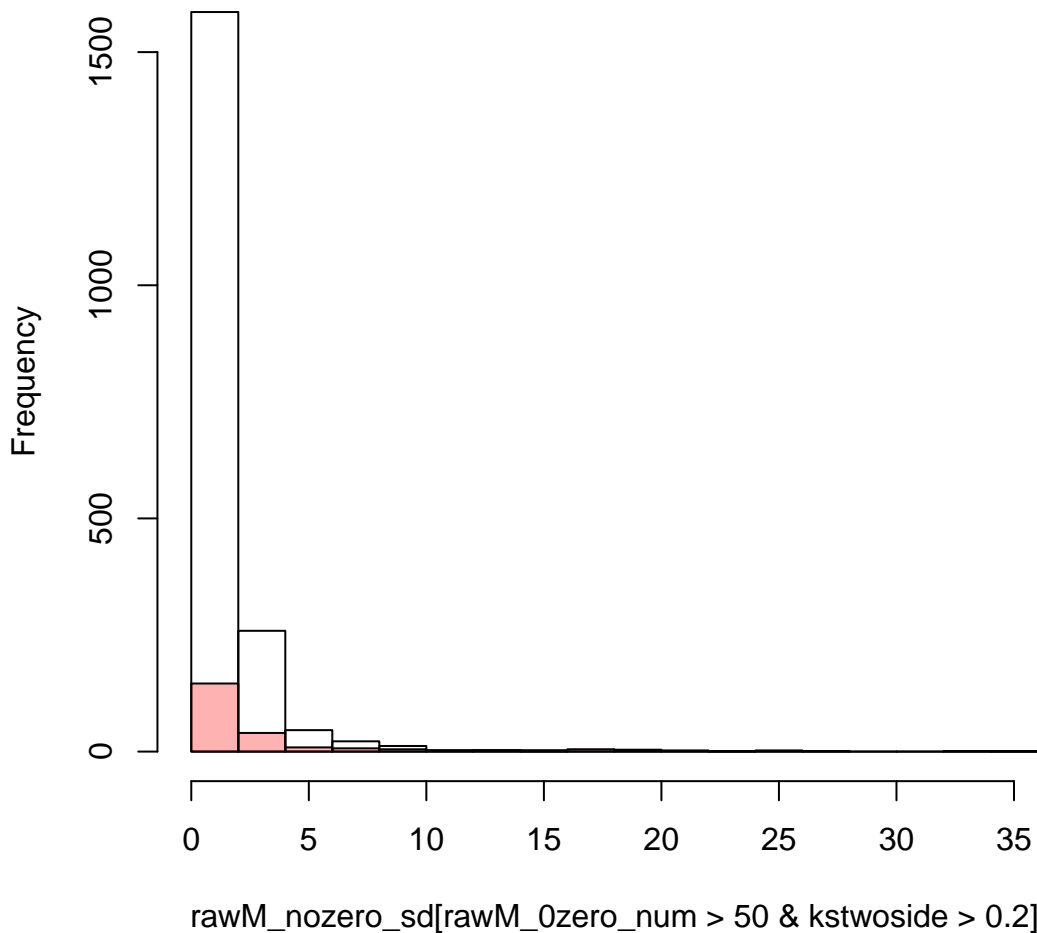
Histogram of rawM_nozero_mean[rawM_0zero_num > 50 & kstwsid



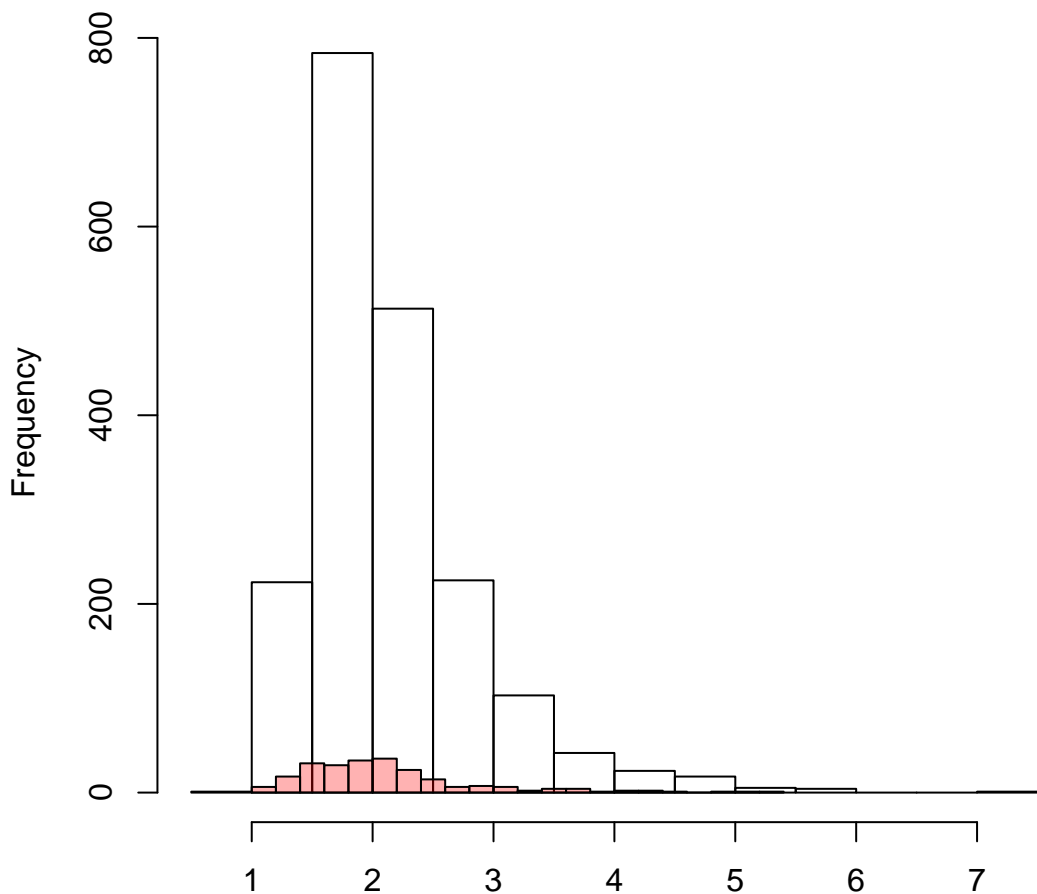
ogram of rawM_nozero_median[rawM_0zero_num > 50 & kstwosi



histogram of rawM_nozero_sd[rawM_0zero_num > 50 & kstwside

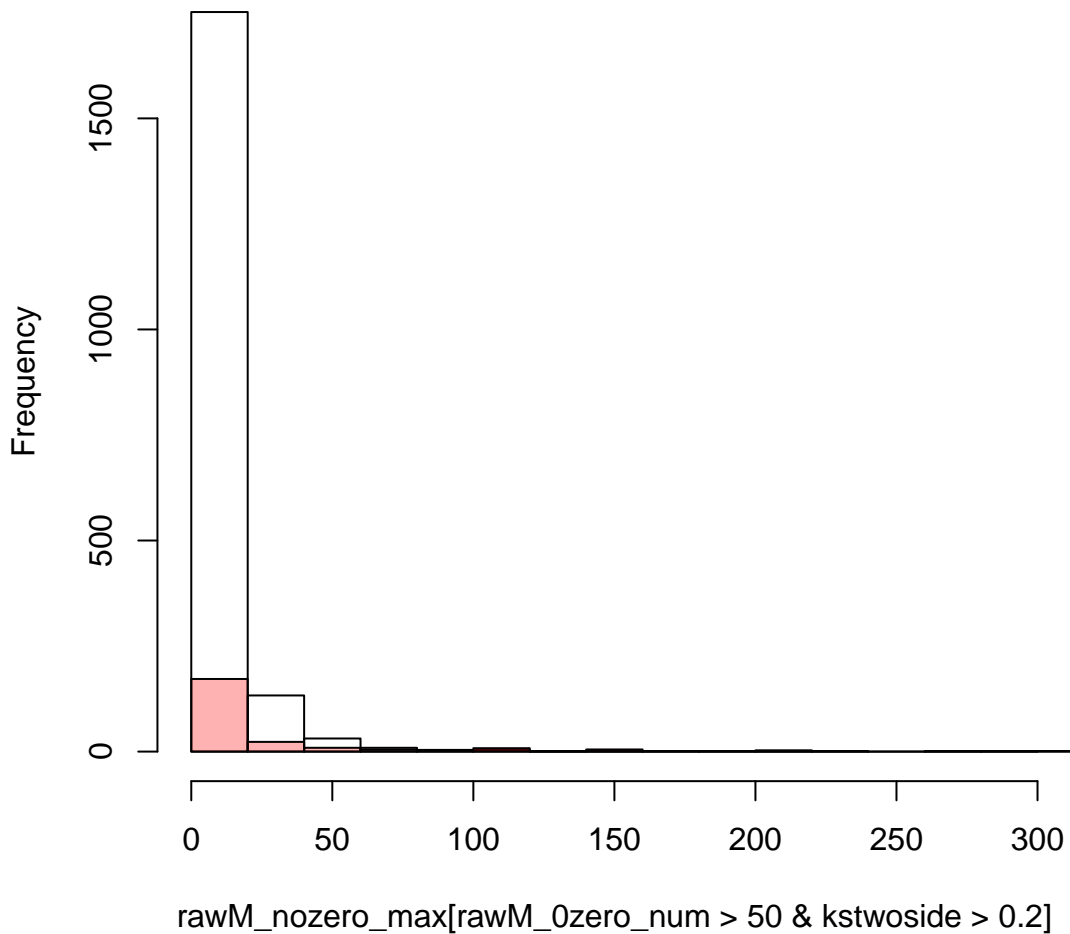


gram of rawM_nozero_skewness[rawM_0zero_num > 50 & kstws

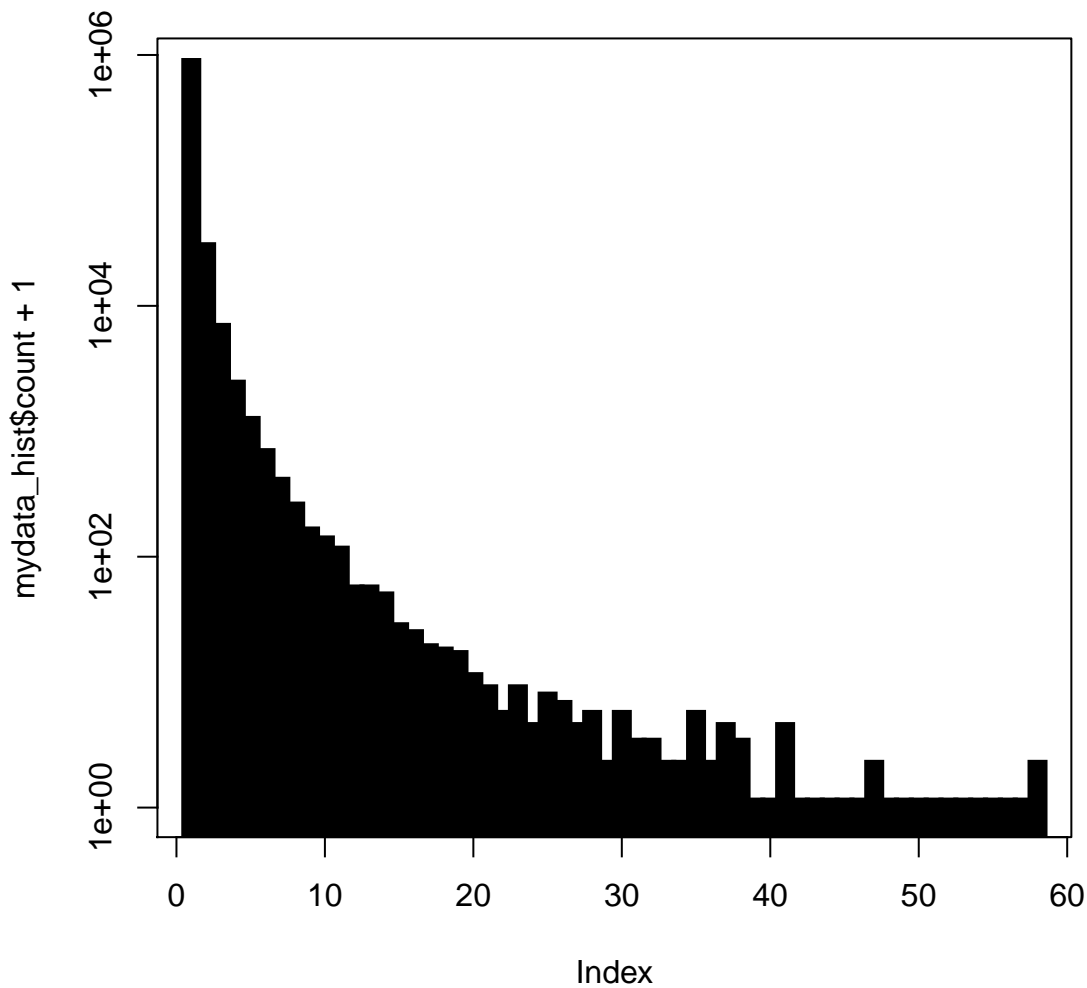


rawM_nozero_skewness[rawM_0zero_num > 50 & kstwside > 0.2]

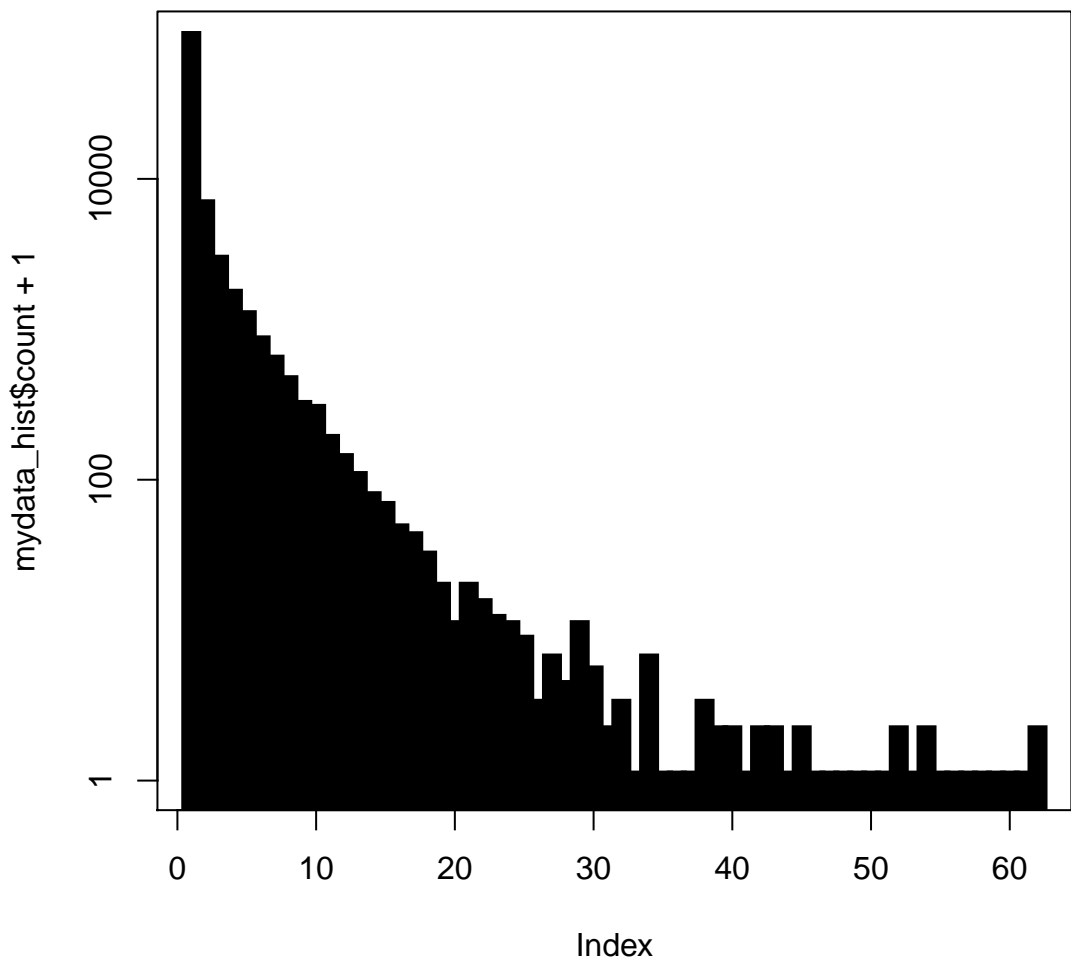
Histogram of rawM_nozero_max[rawM_0zero_num > 50 & kstwside



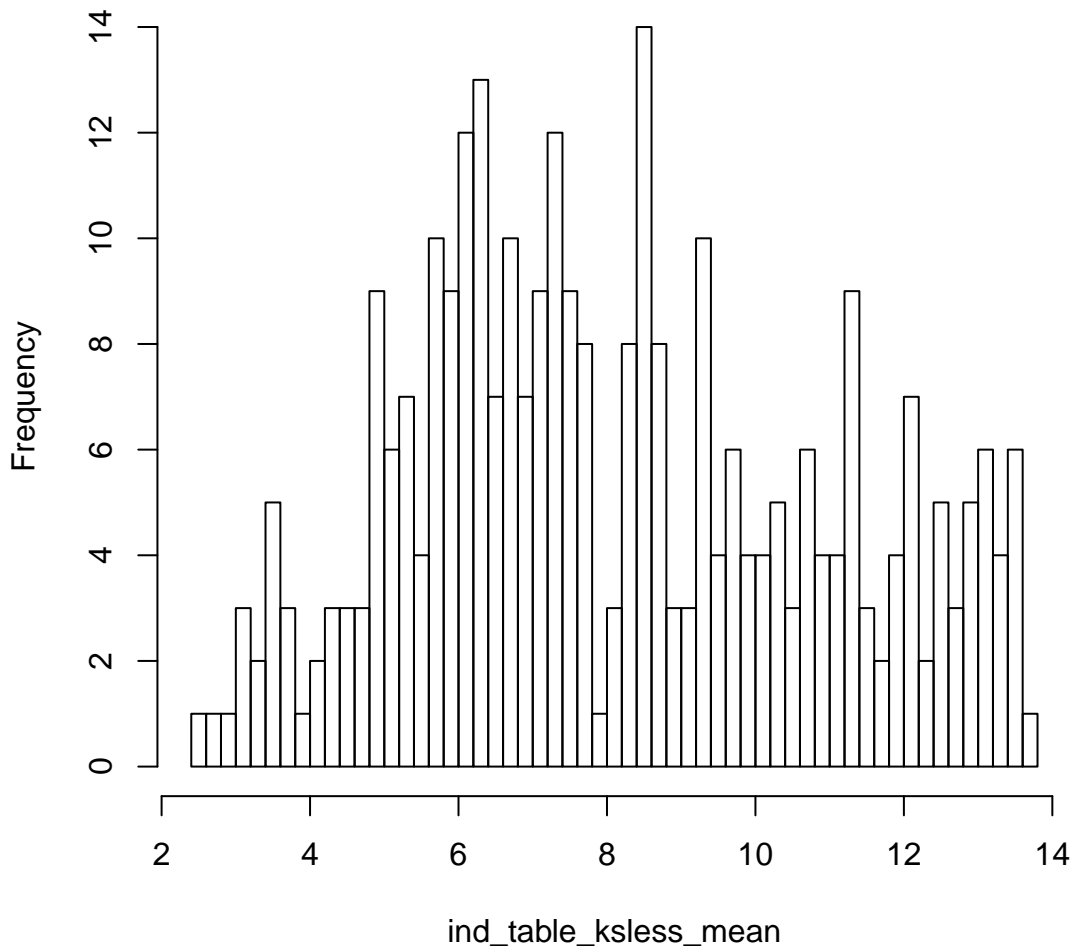
genes $\log(\text{expression} + 1)$ with least 50 cell expression and kstwosi



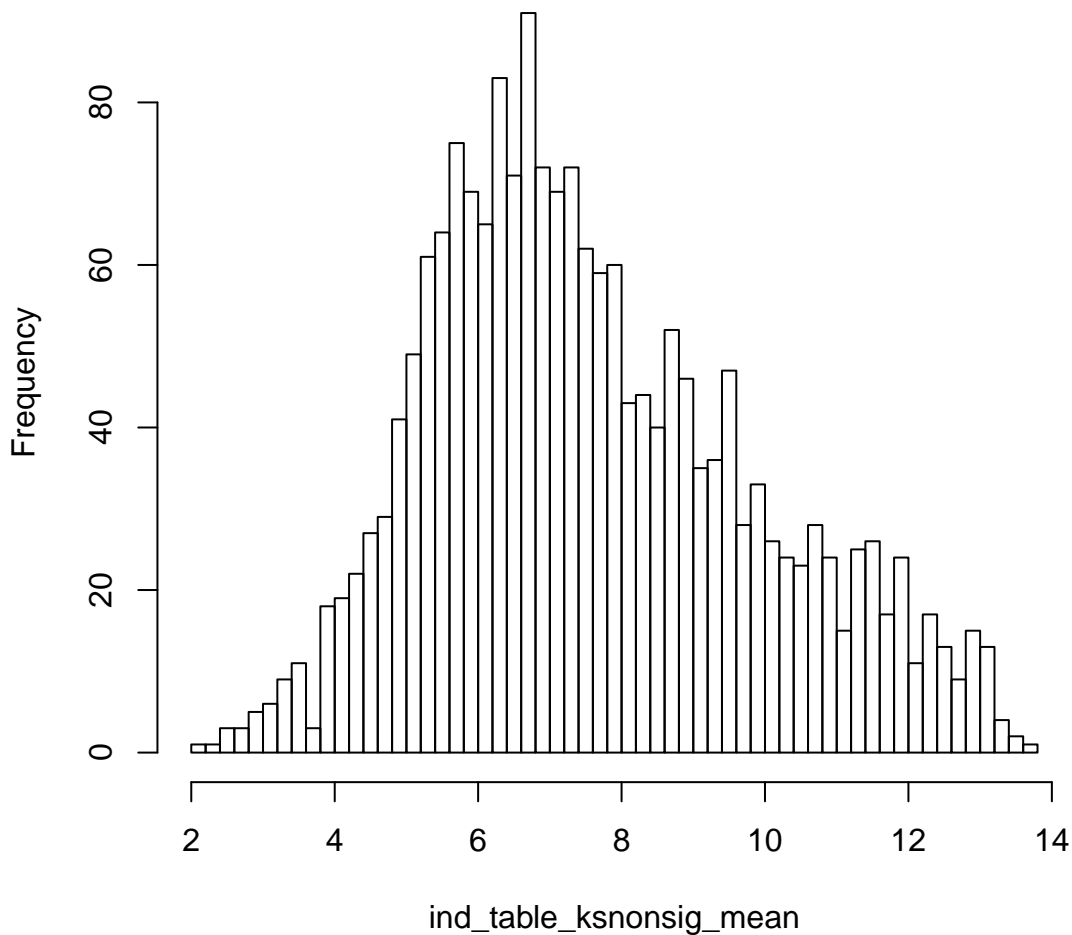
nes $\log(\text{expression} + 1)$ with least 50 cell expression and kstwo



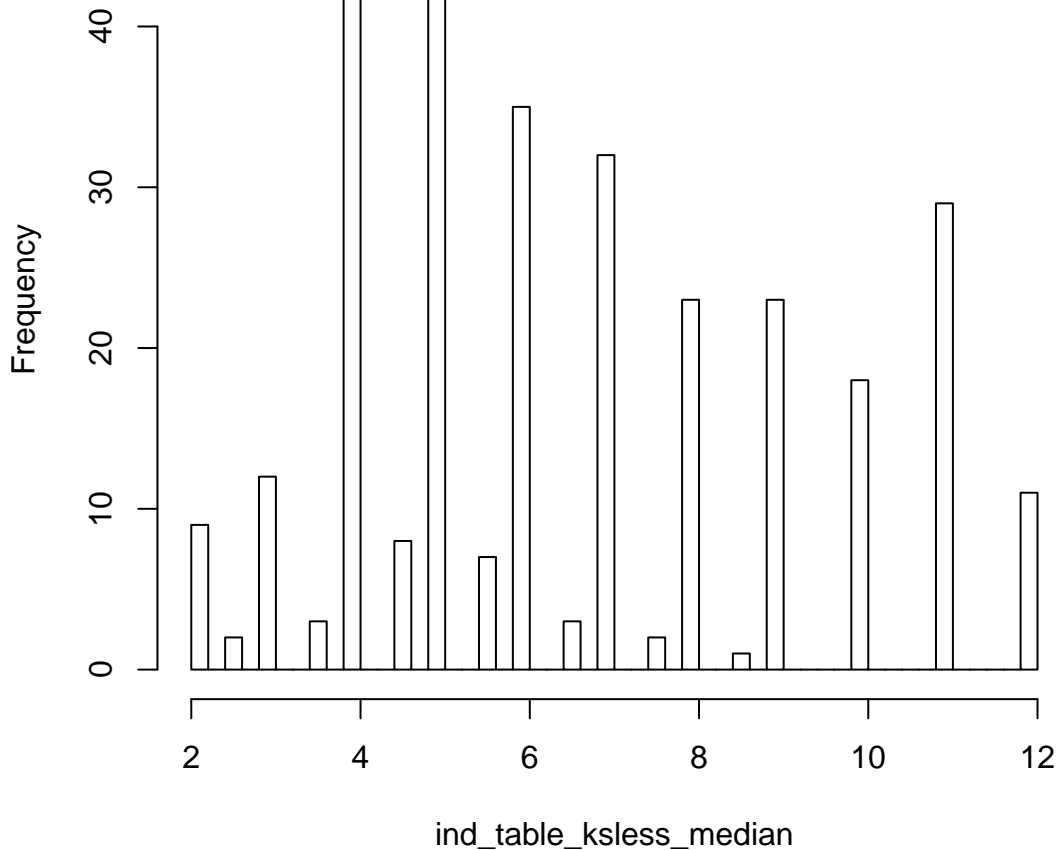
Histogram of ind_table_ksless_mean



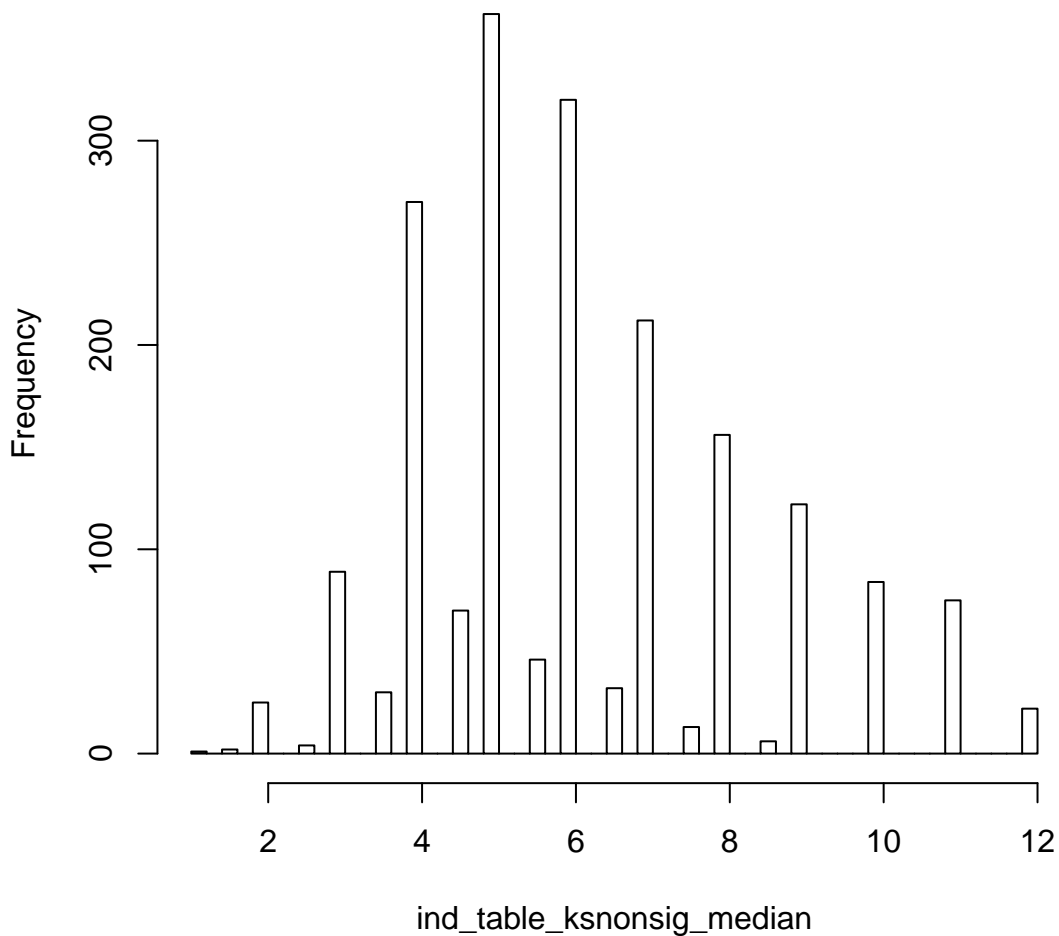
Histogram of ind_table_ksnonsig_mean



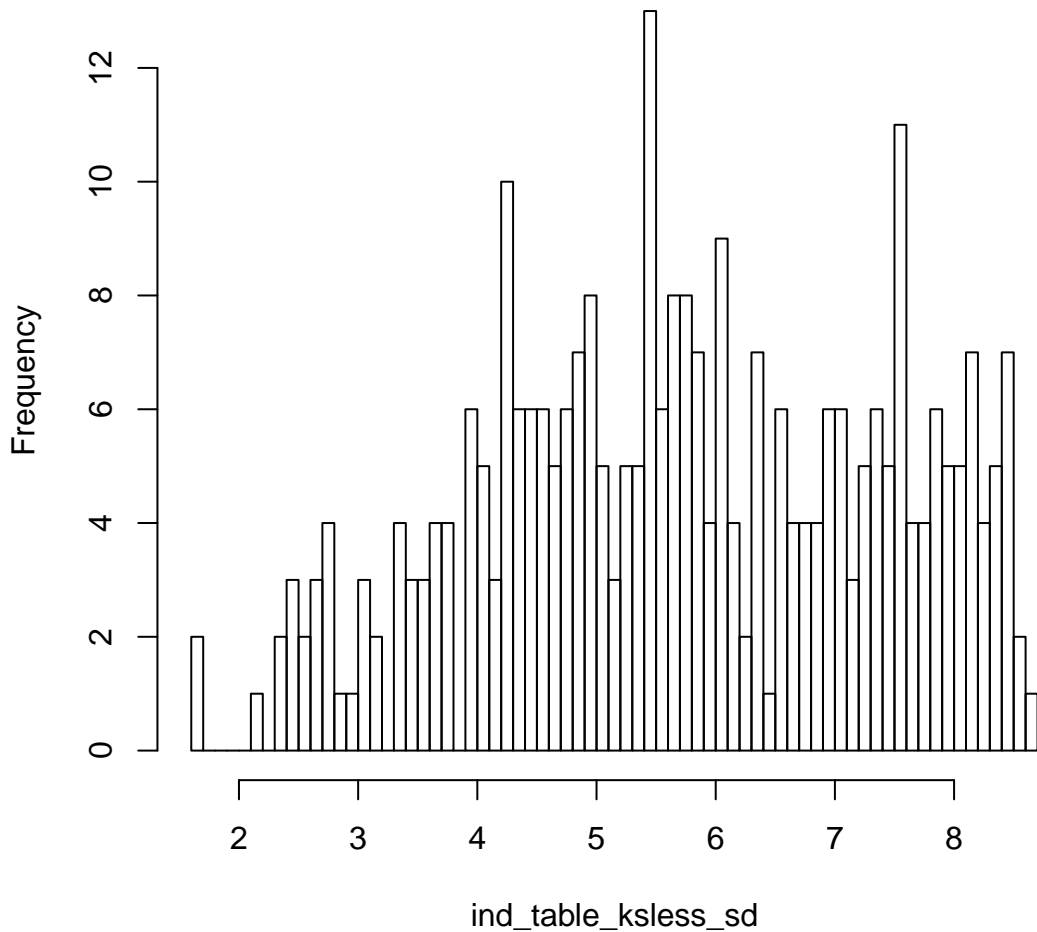
Histogram of ind_table_ksless_median



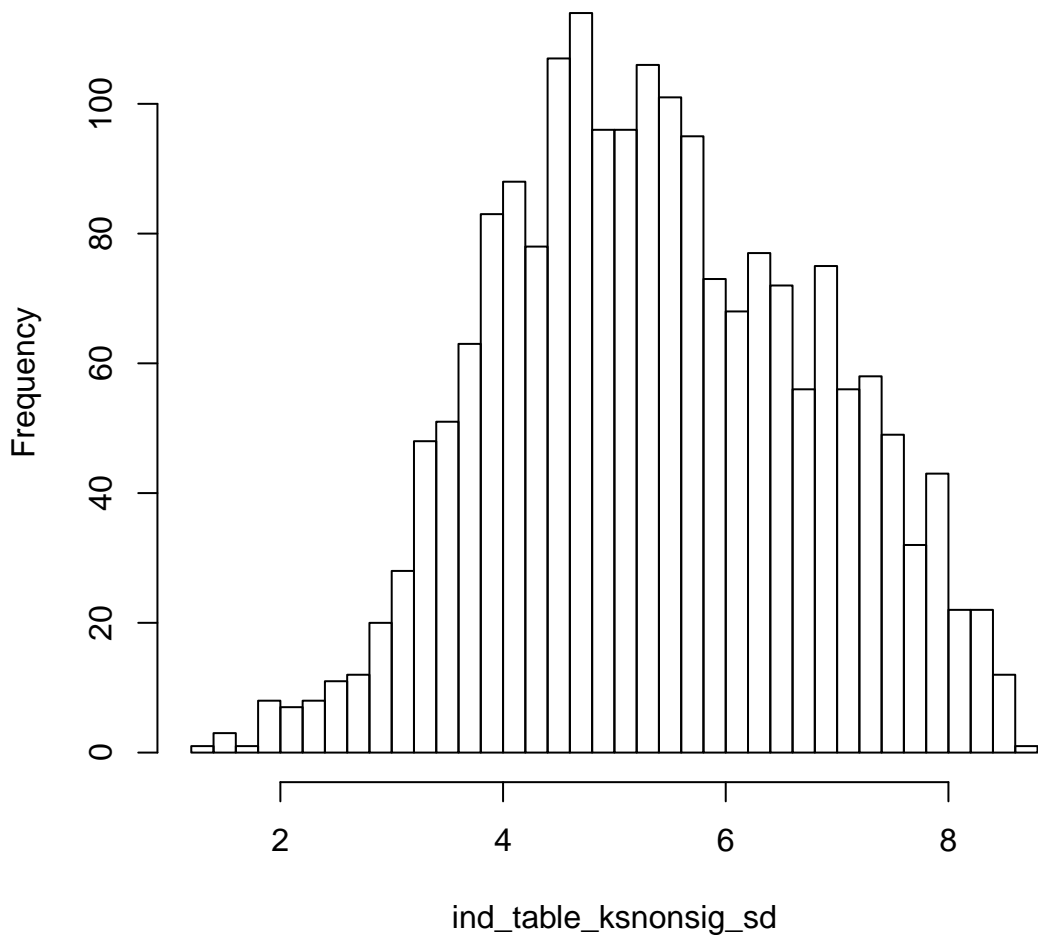
Histogram of ind_table_ksnonsig_median



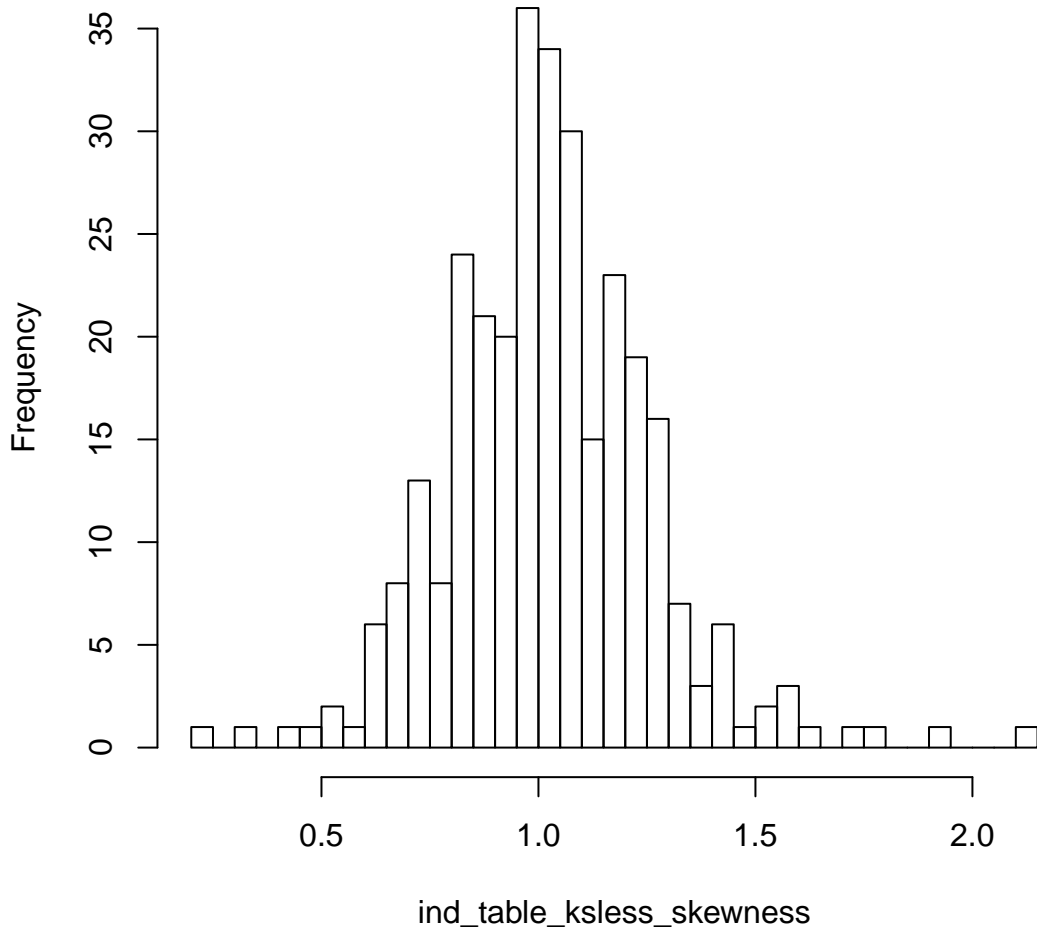
Histogram of ind_table_ksless_sd



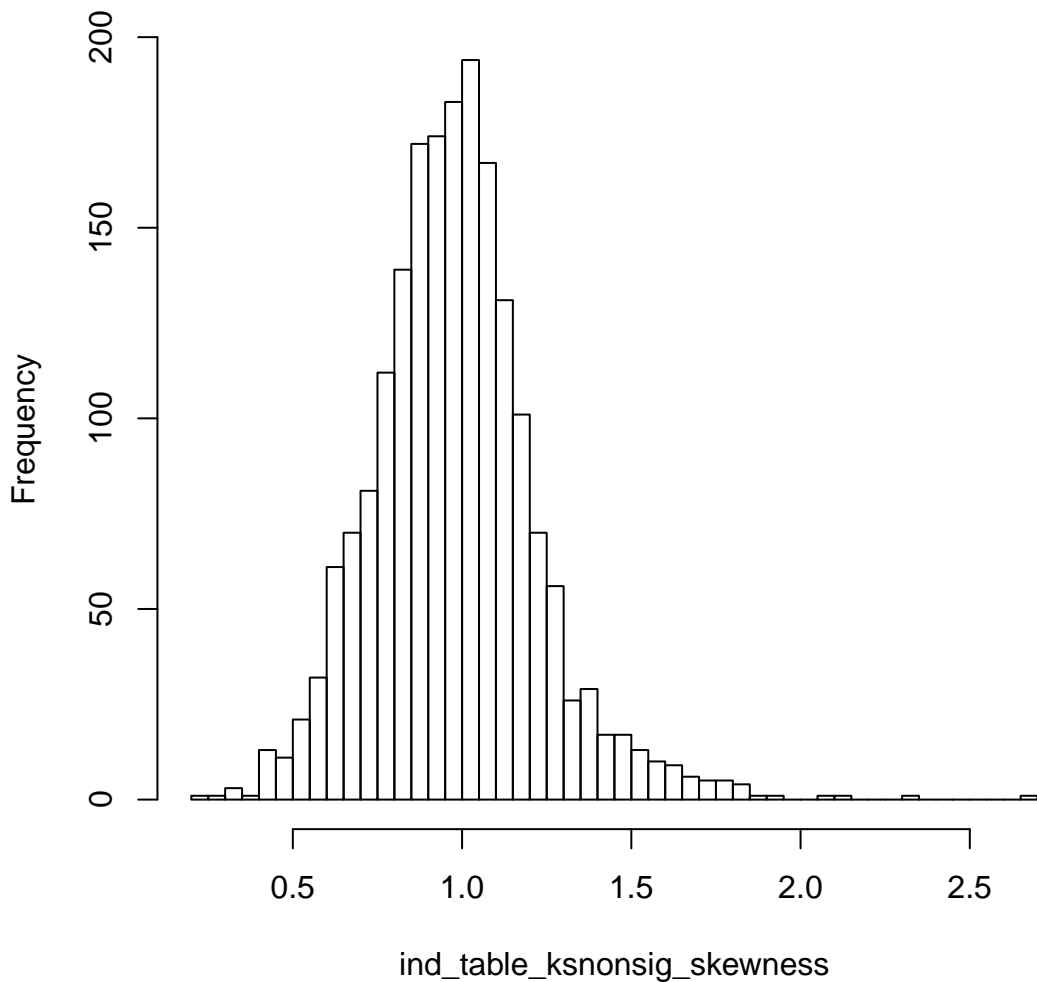
Histogram of ind_table_ksnonsig_sd



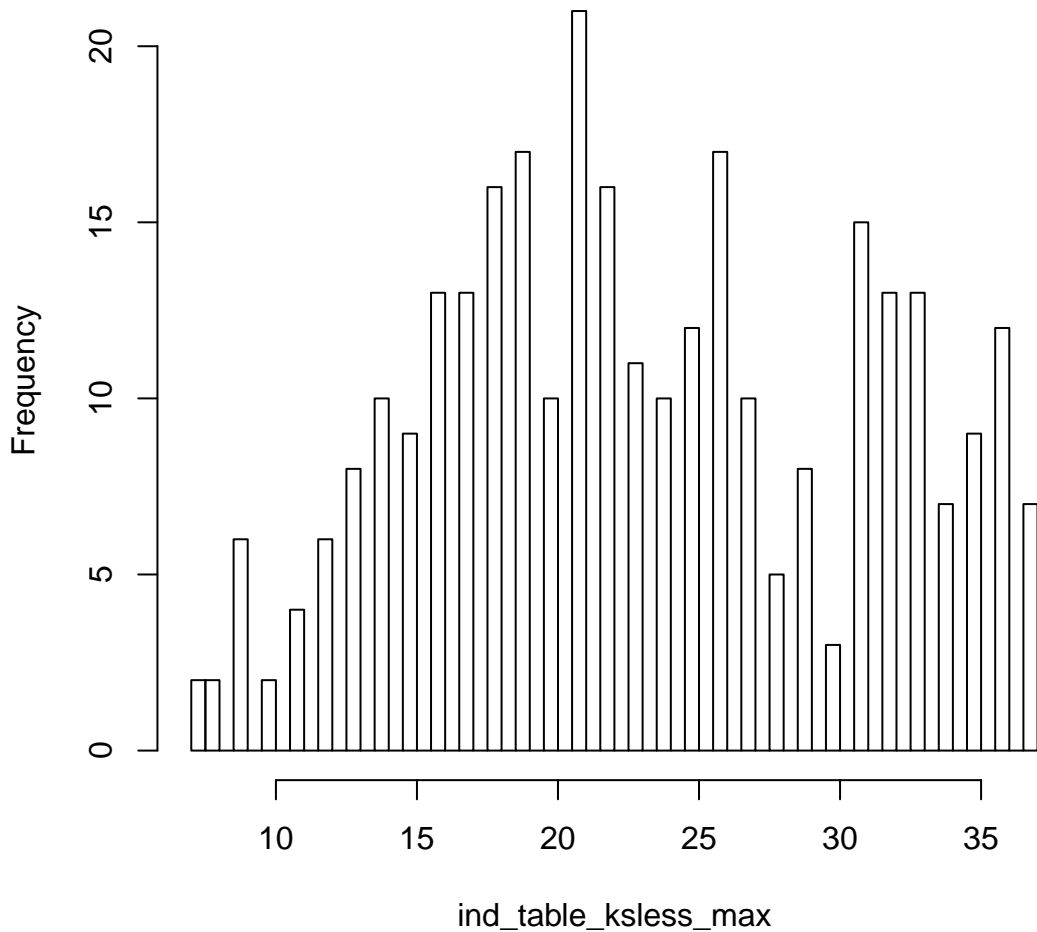
Histogram of ind_table_ksless_skewness



Histogram of ind_table_ksnonsig_skewness



Histogram of ind_table_ksless_max



Histogram of ind_table_ksnonsig_max

