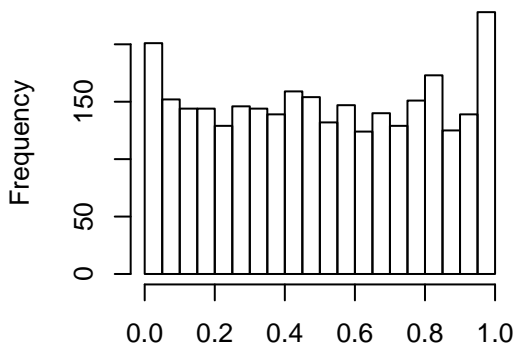
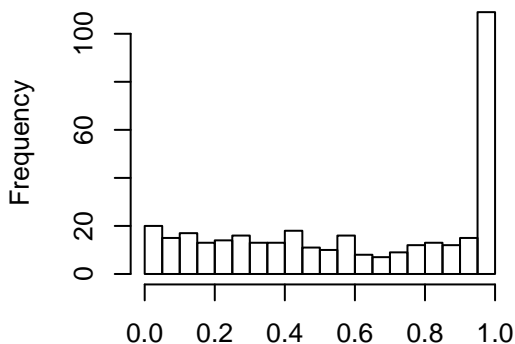


perm pvalues



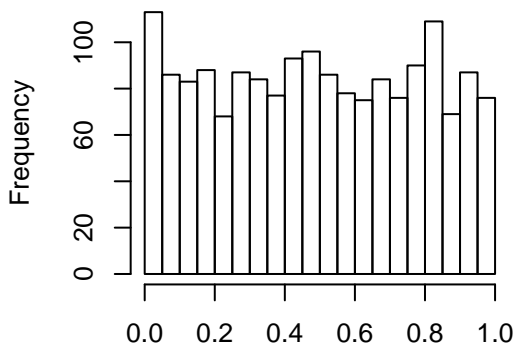
rawp
n=3000

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



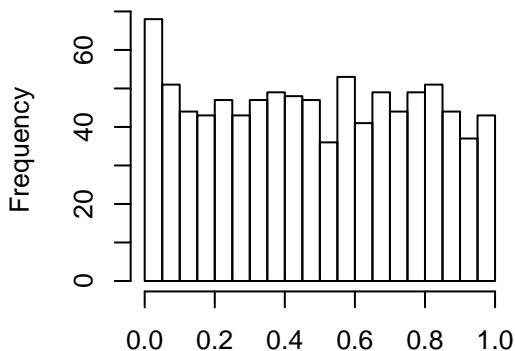
rawM_0zero_num < max(20, min(rawM_0zero_num, 100))
n=361, ks_pval=1.86517468137026e-12

perm pvalues,rawM_0zero_num >= 20



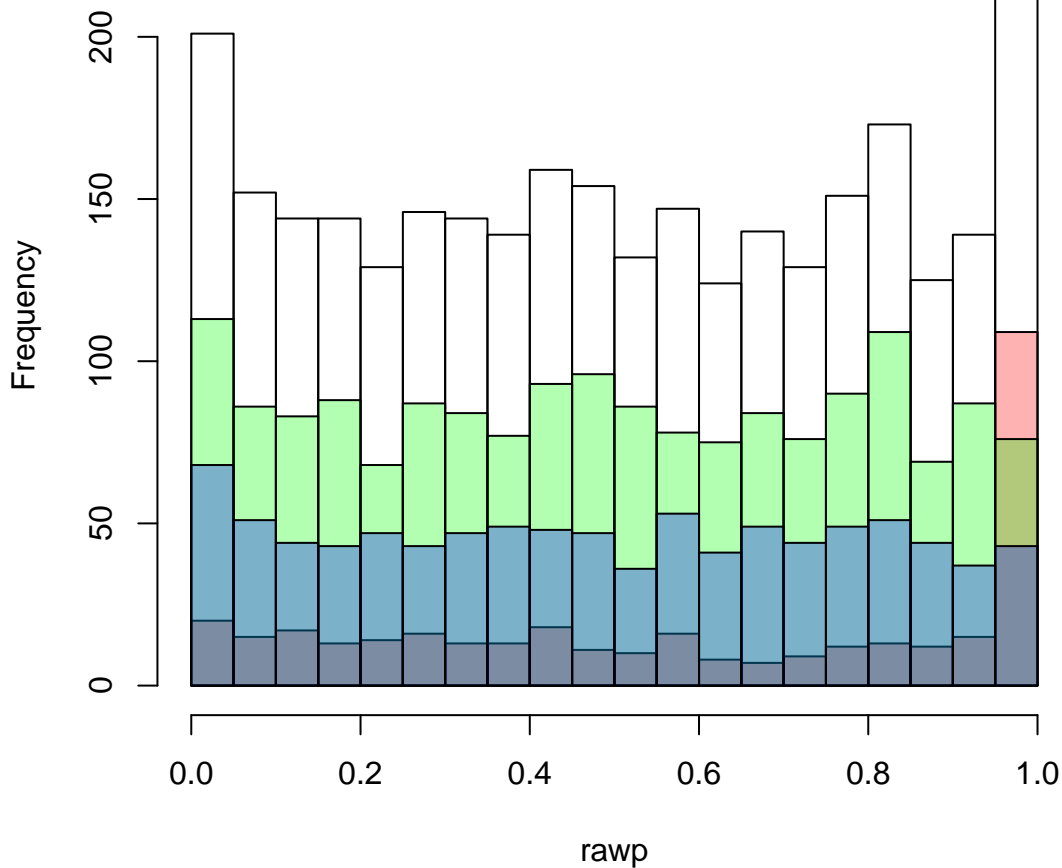
rawp[rawM_0zero_num >= 20 & rawM_0zero_num < 100]
n=1705, ks_pval=0.906840106379963

perm pvalues,rawM_0zero_num >= 100

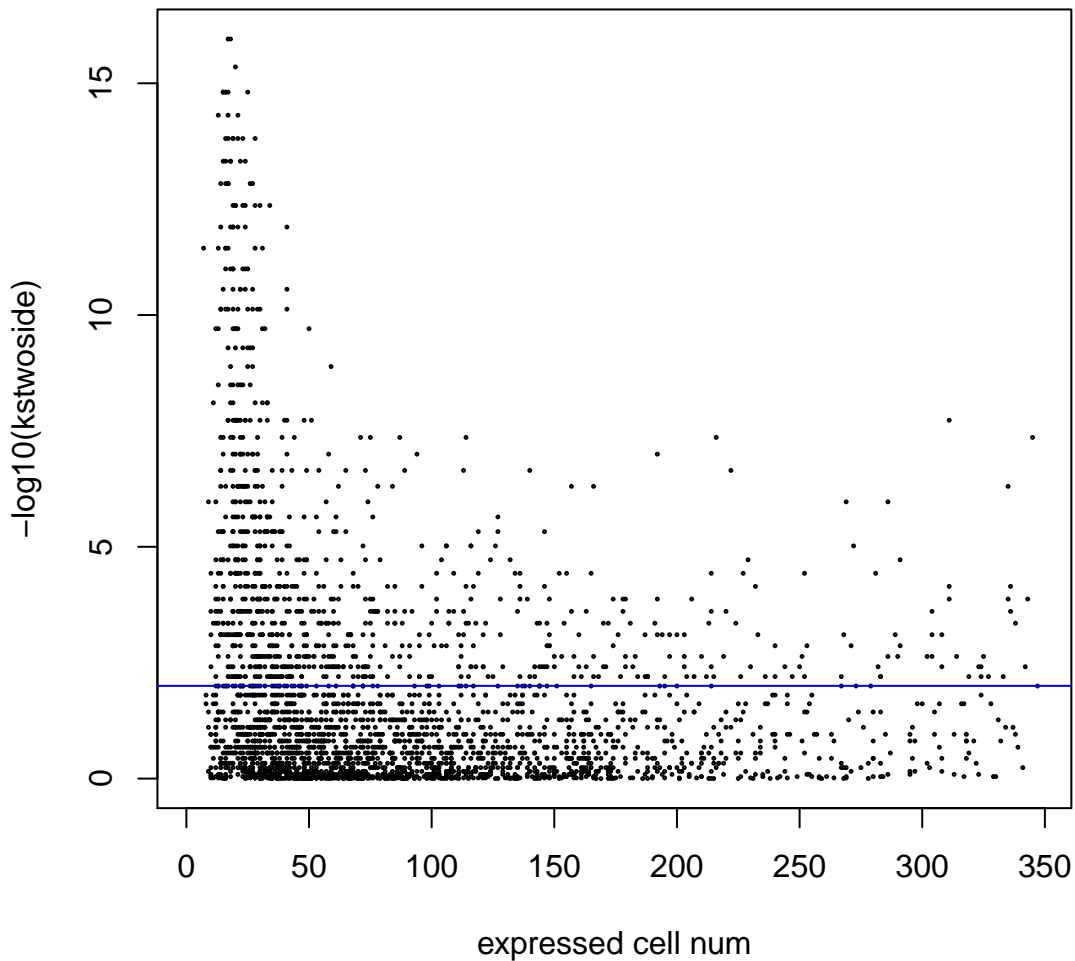


rawp[rawM_0zero_num >= 100]
n=934, ks_pval=0.721004902720523

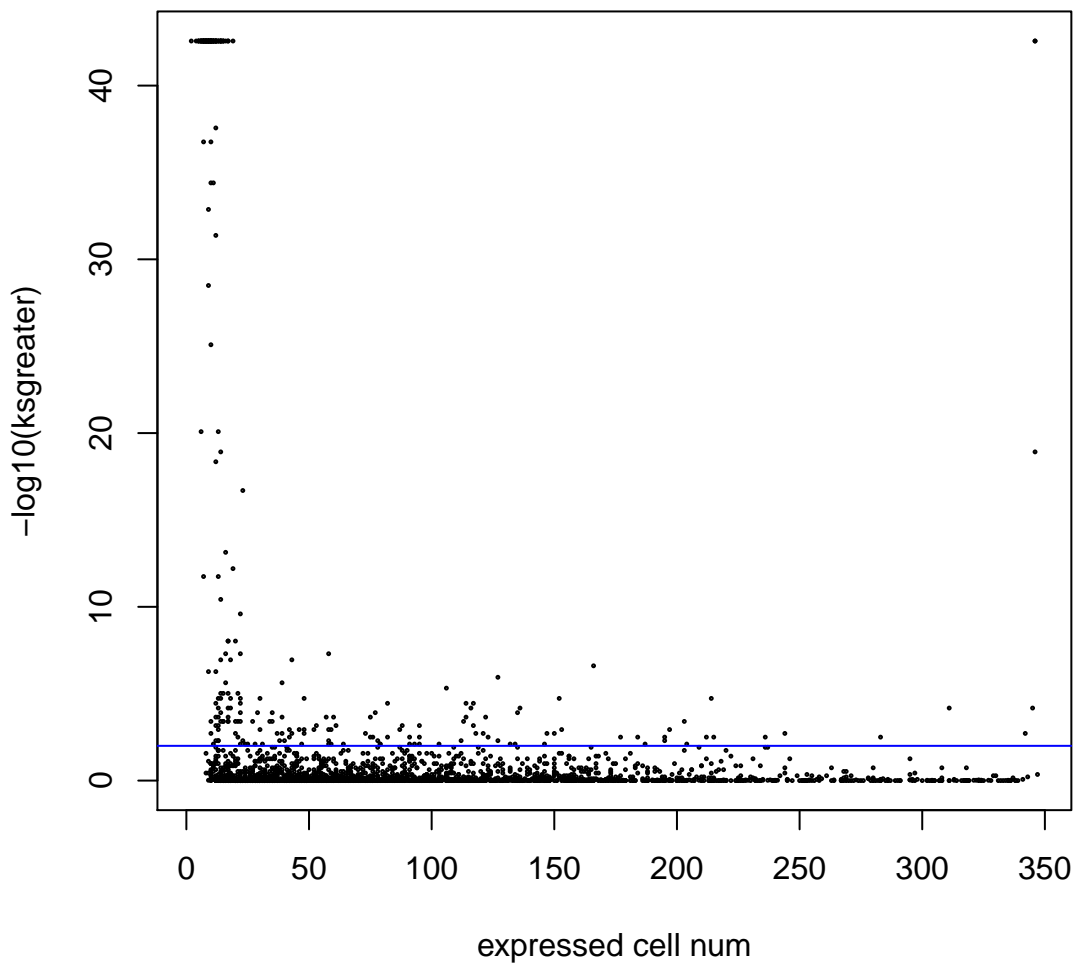
perm pvalues



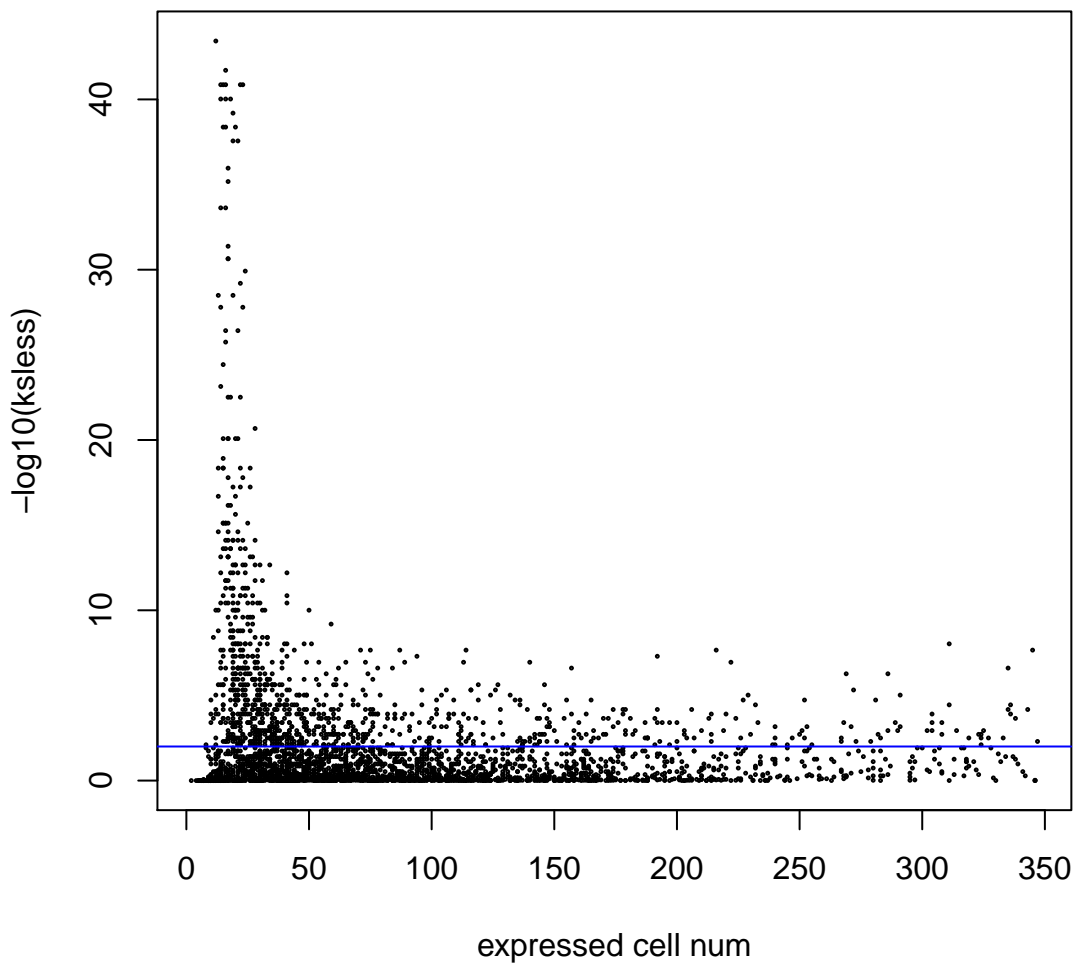
sig_KStwoside: 34.6%



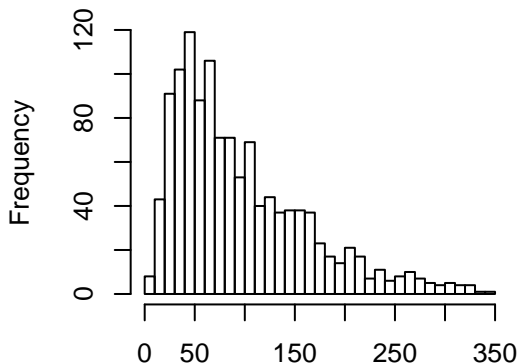
sig_KSgreater: 8.233%



sig_KSless: 31.8%

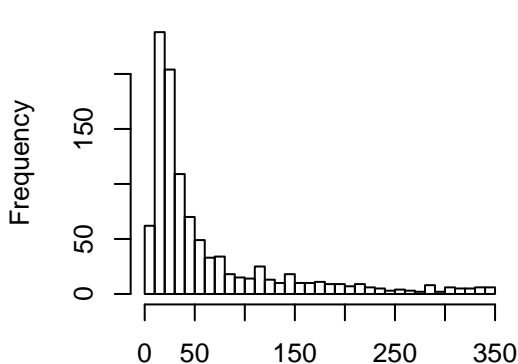


expression cell num,kstwoside>0.1



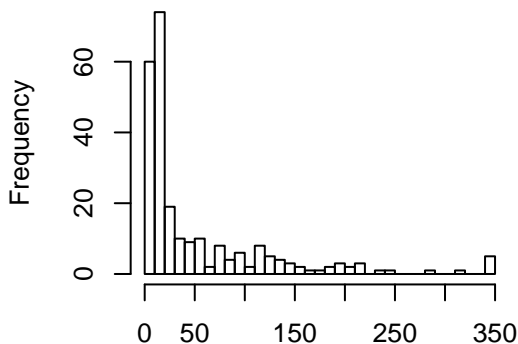
rawM_0zero_num[kstwoside > 0.2]

expression cell num,kstwoside<0.0



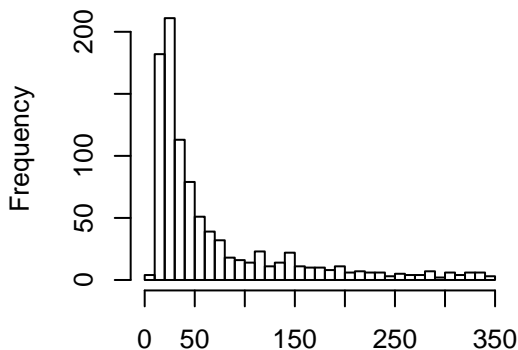
rawM_0zero_num[kstwoside < 0.01]

expression cell num,ksgreater<0.0



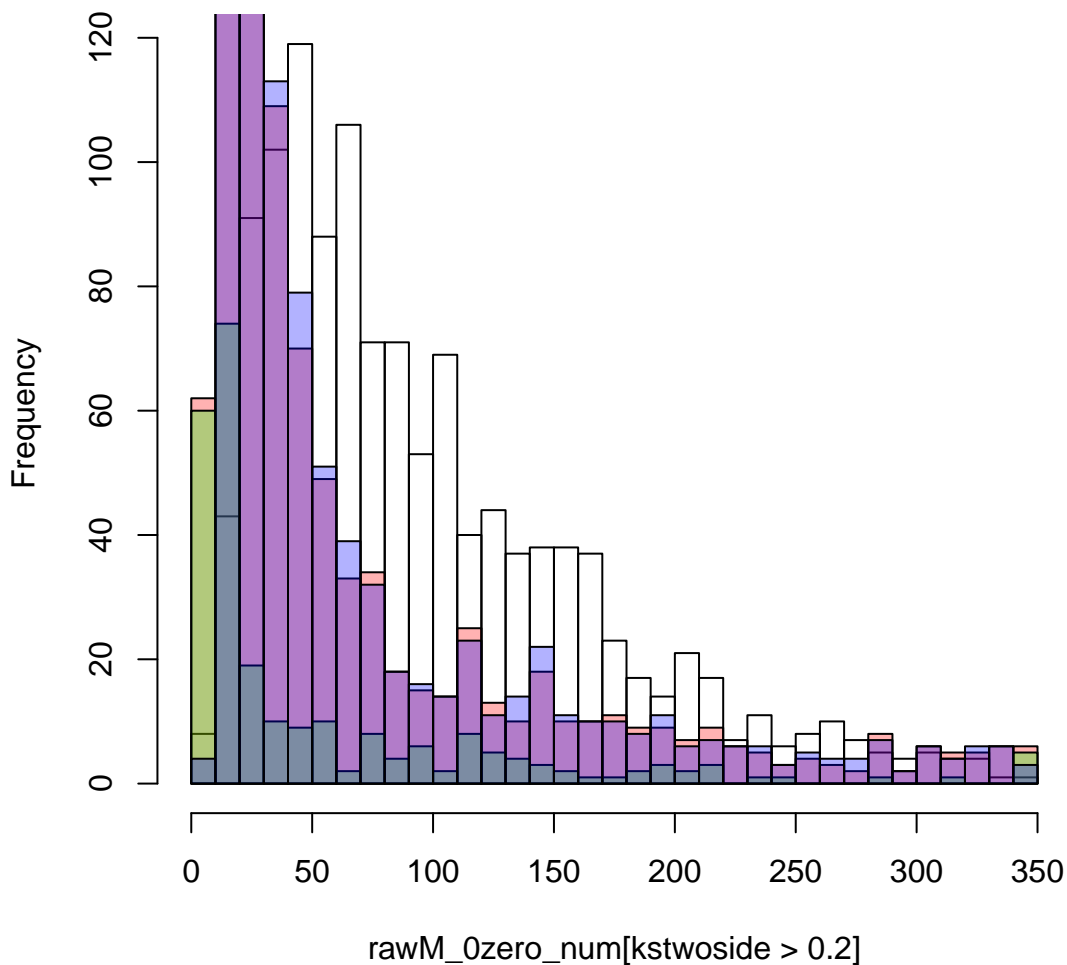
rawM_0zero_num[ksgreater < 0.01]

expression cell num,ksless<0.01

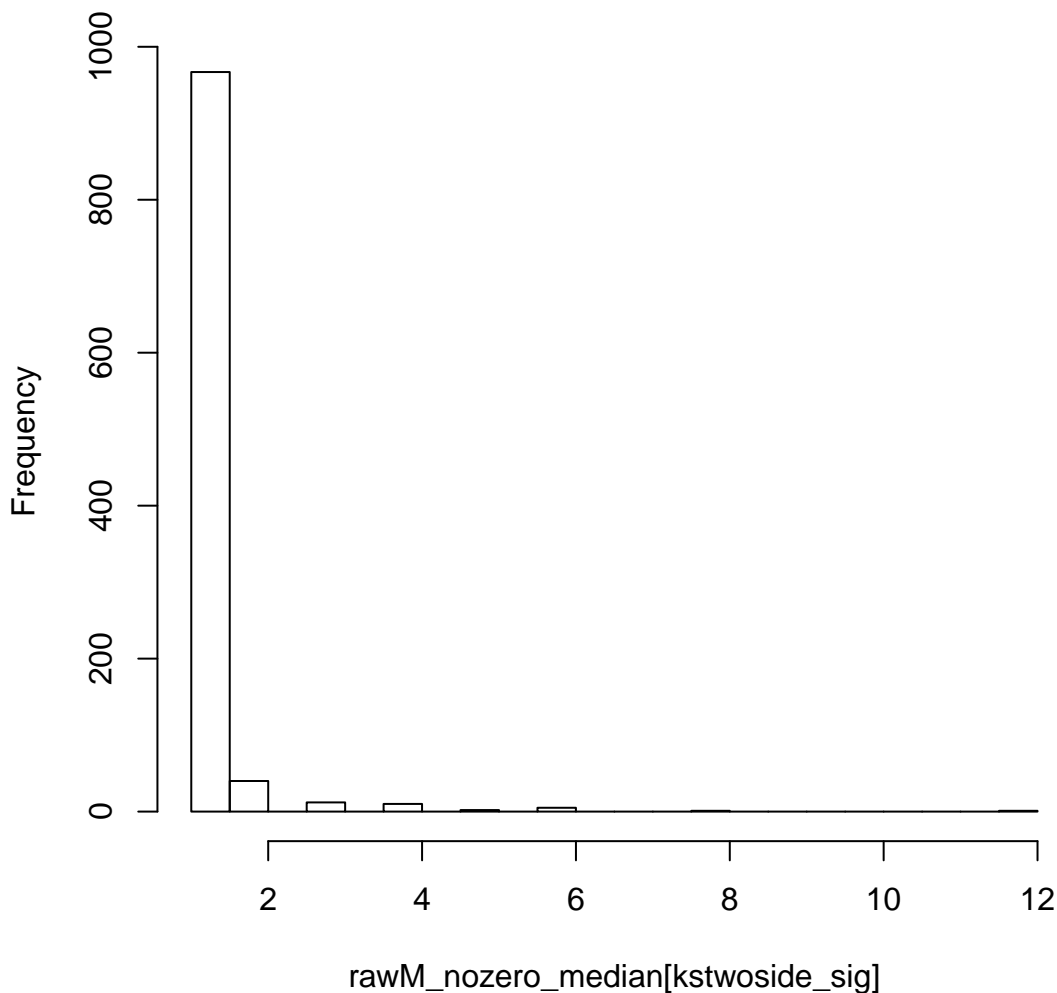


rawM_0zero_num[ksless < 0.01]

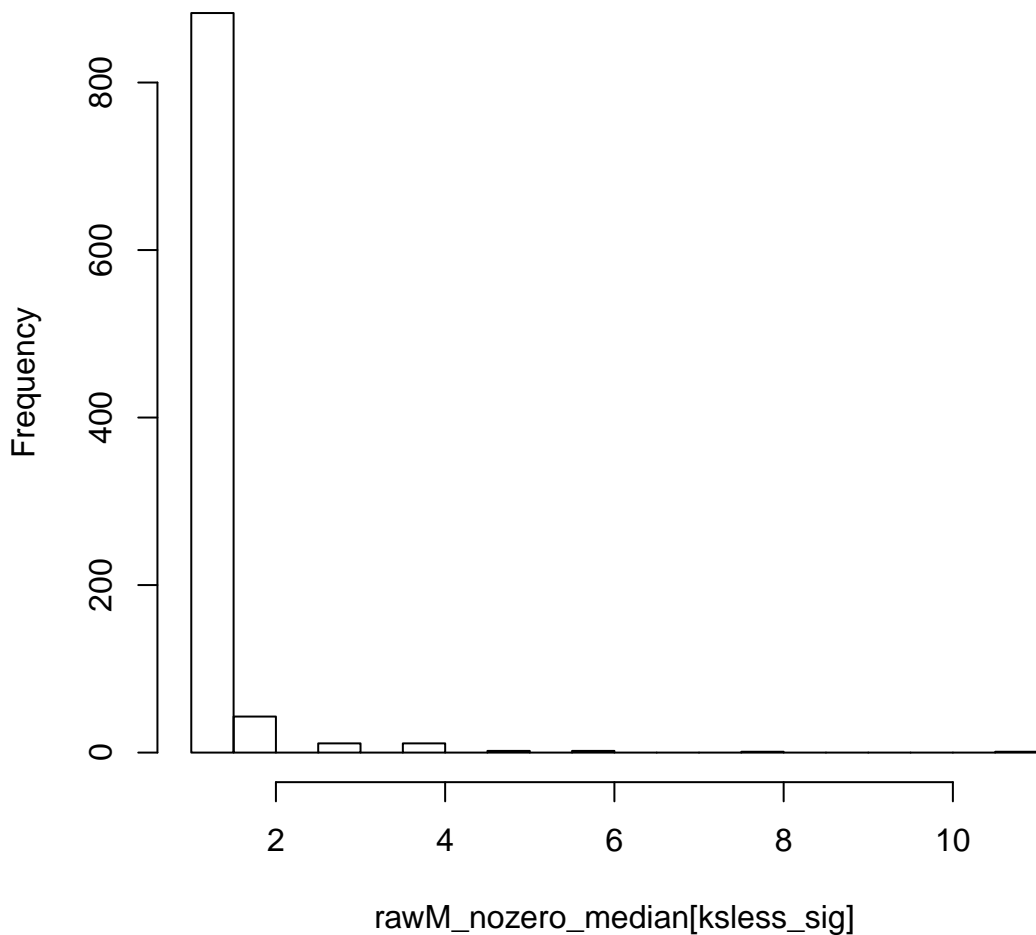
expression cell num



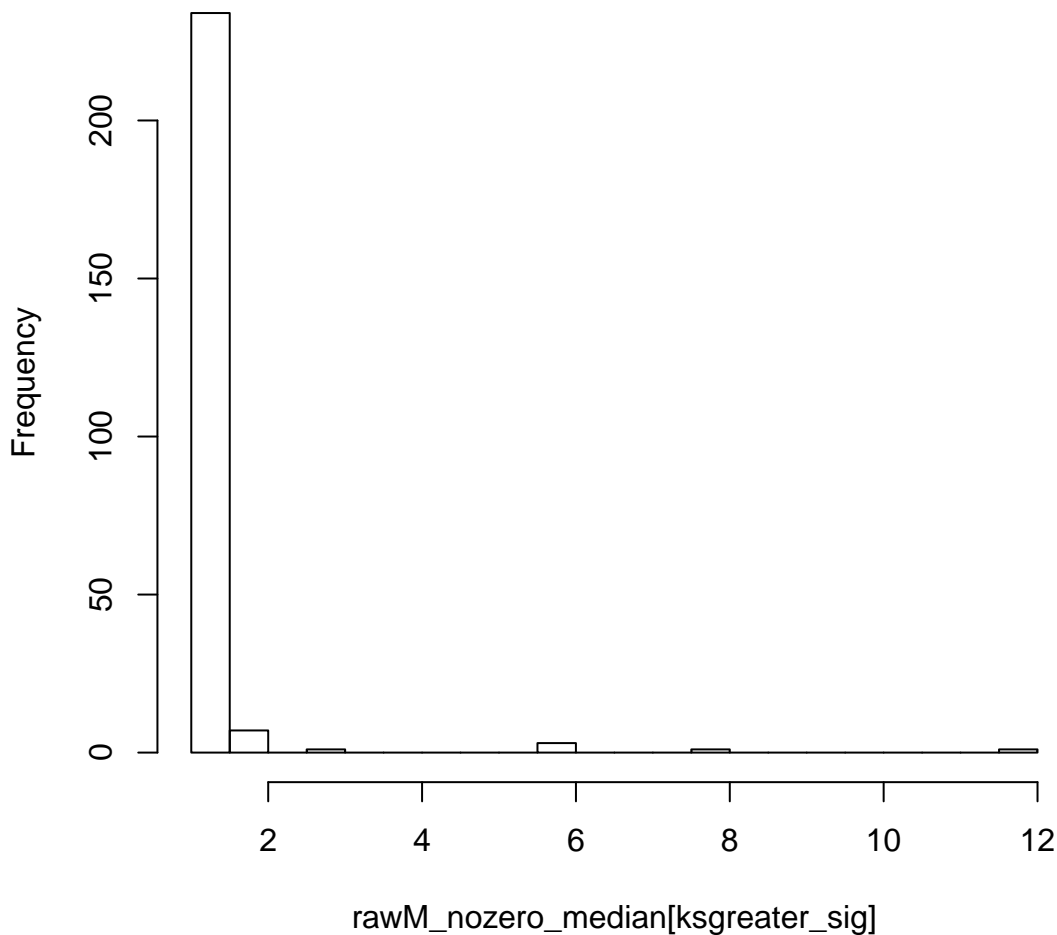
median of nozero log-express of genes, kstwoside sig



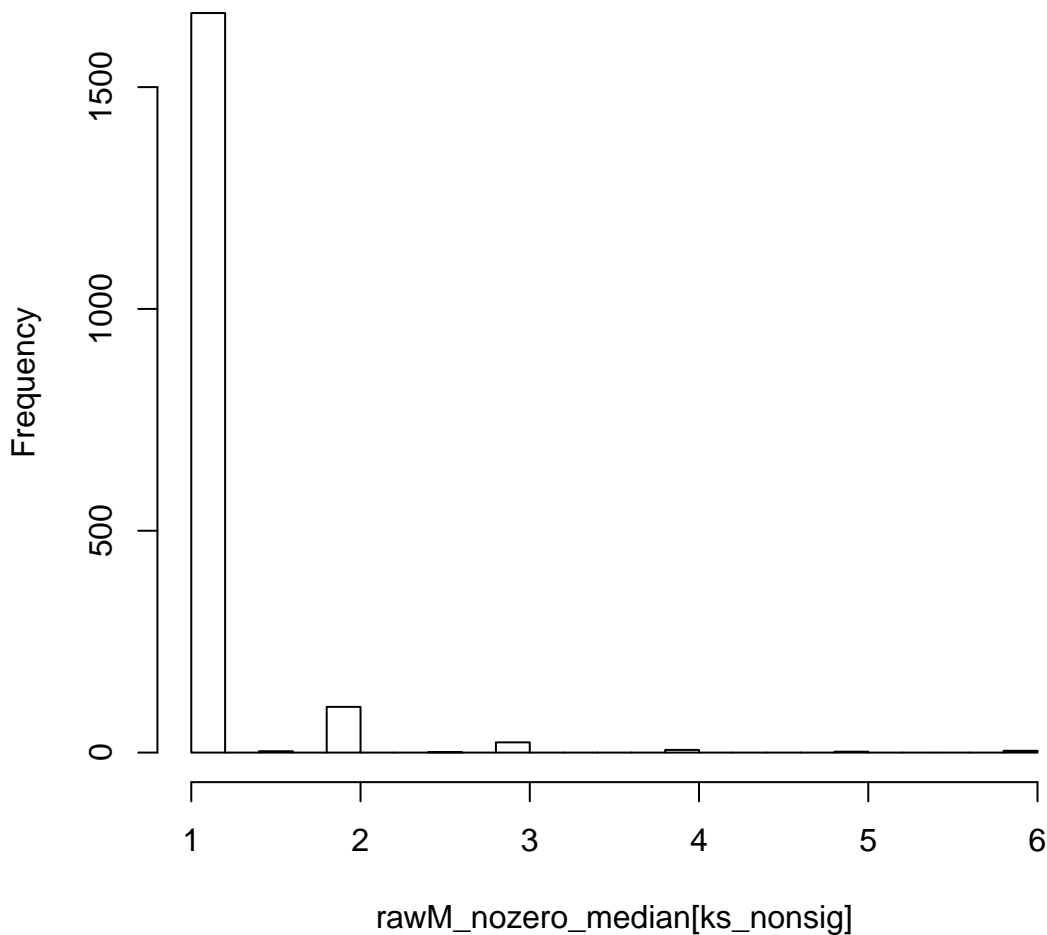
median of nozero log-express of genes, ksless sig



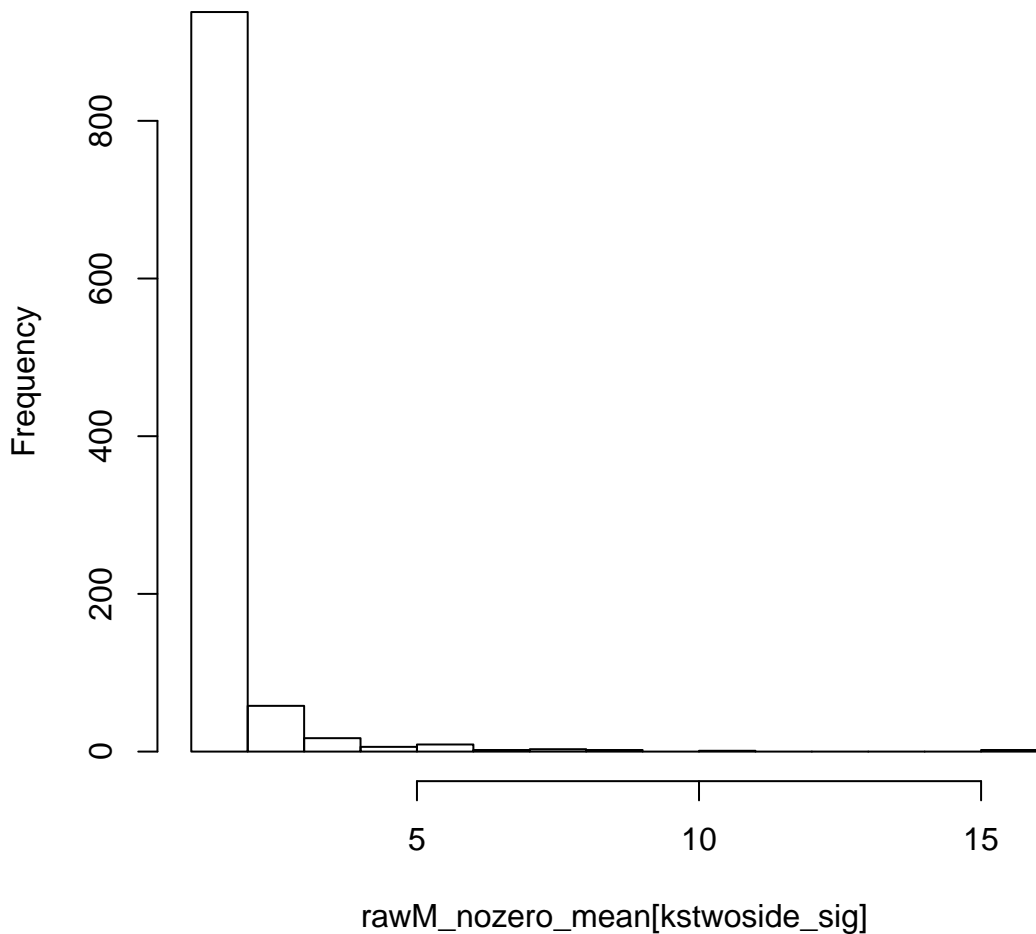
median of nozero log-express of genes,ksgreater sig



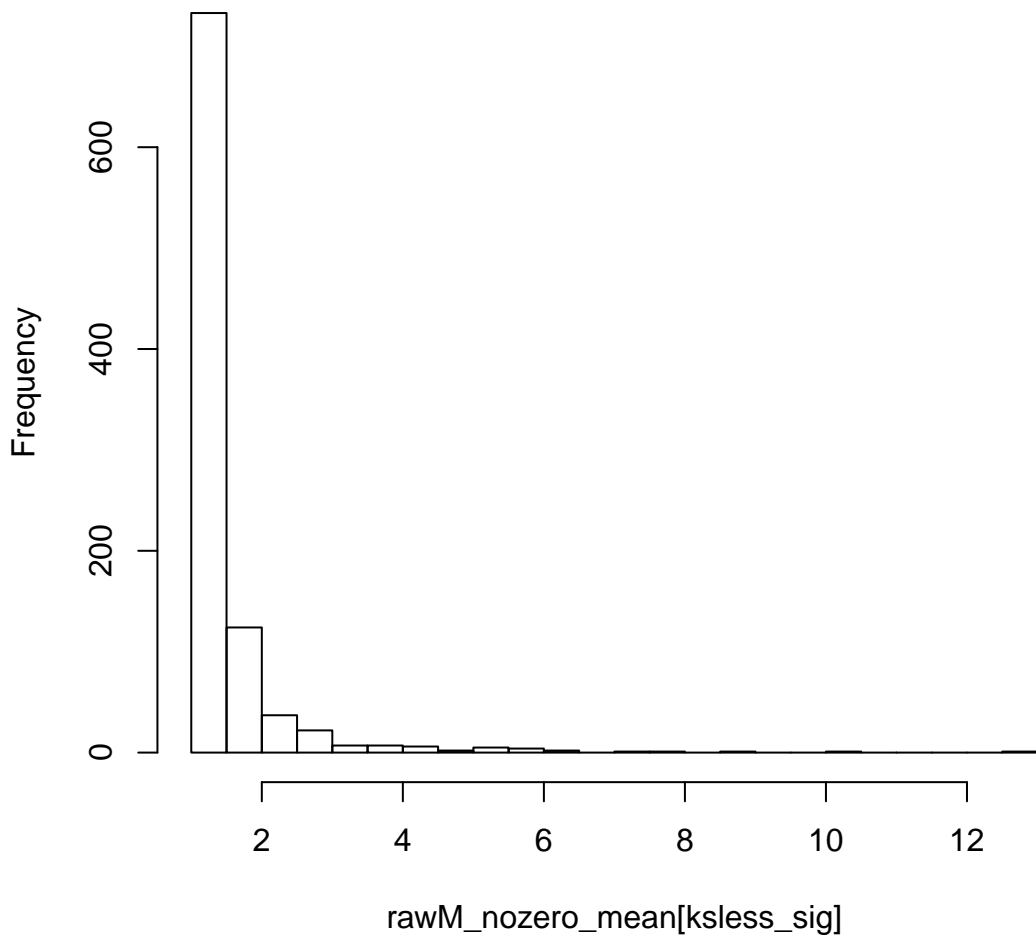
median of nozero log-express of genes,ks no sig



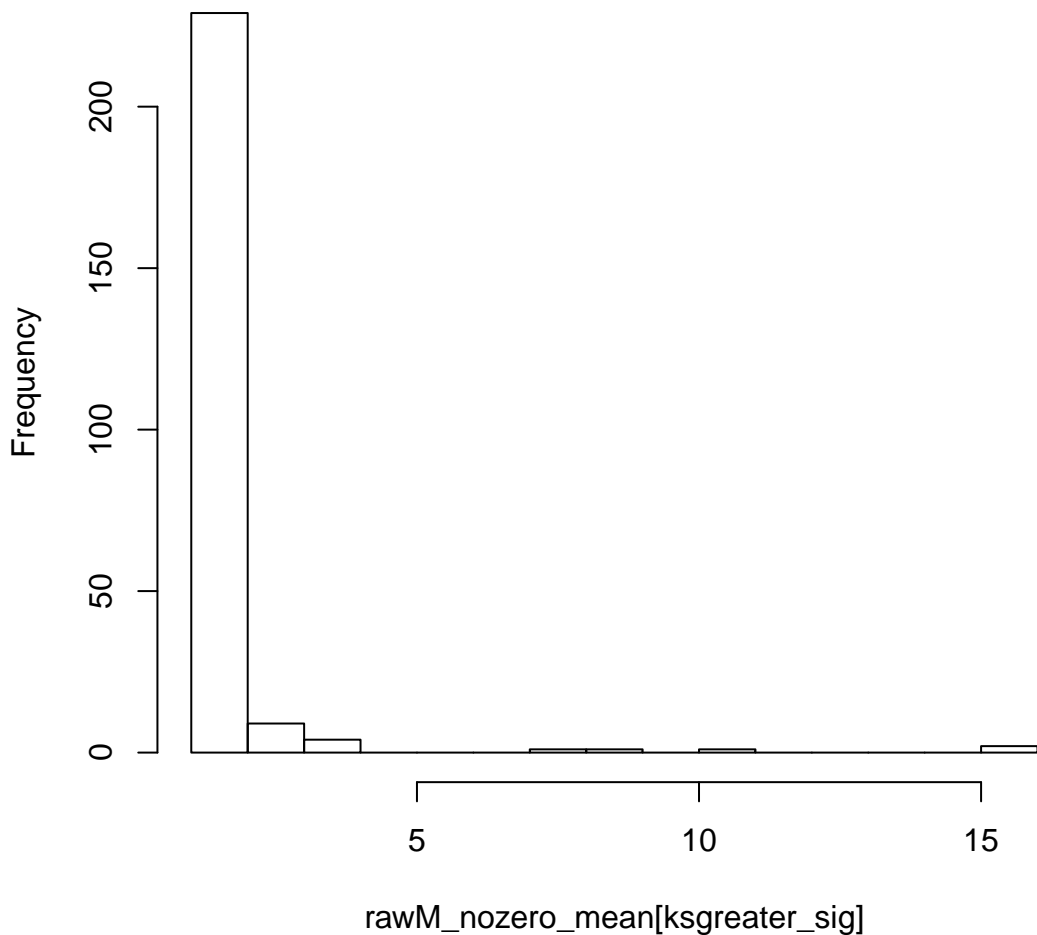
mean of nozero log-express of genes, kstwoside sig



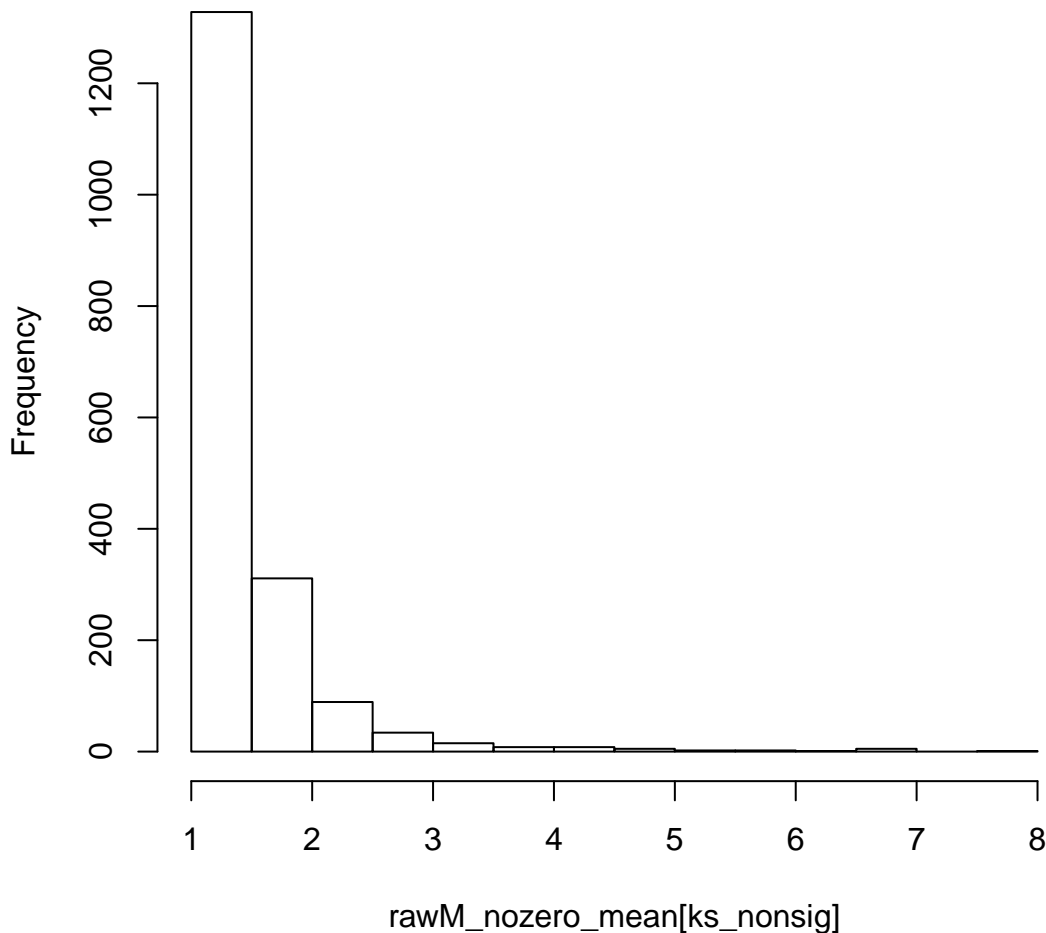
mean of nozero log-express of genes, ksless sig



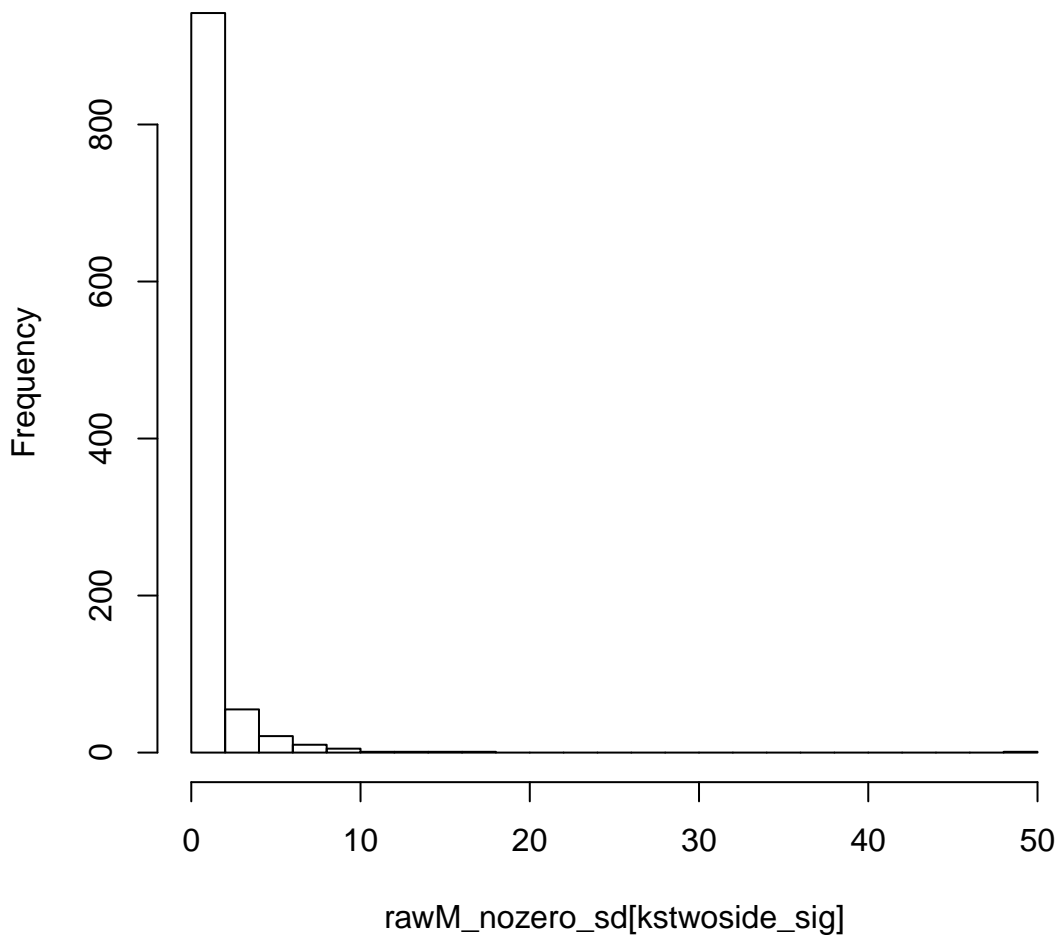
mean of nozero log-express of genes,ksgreater sig



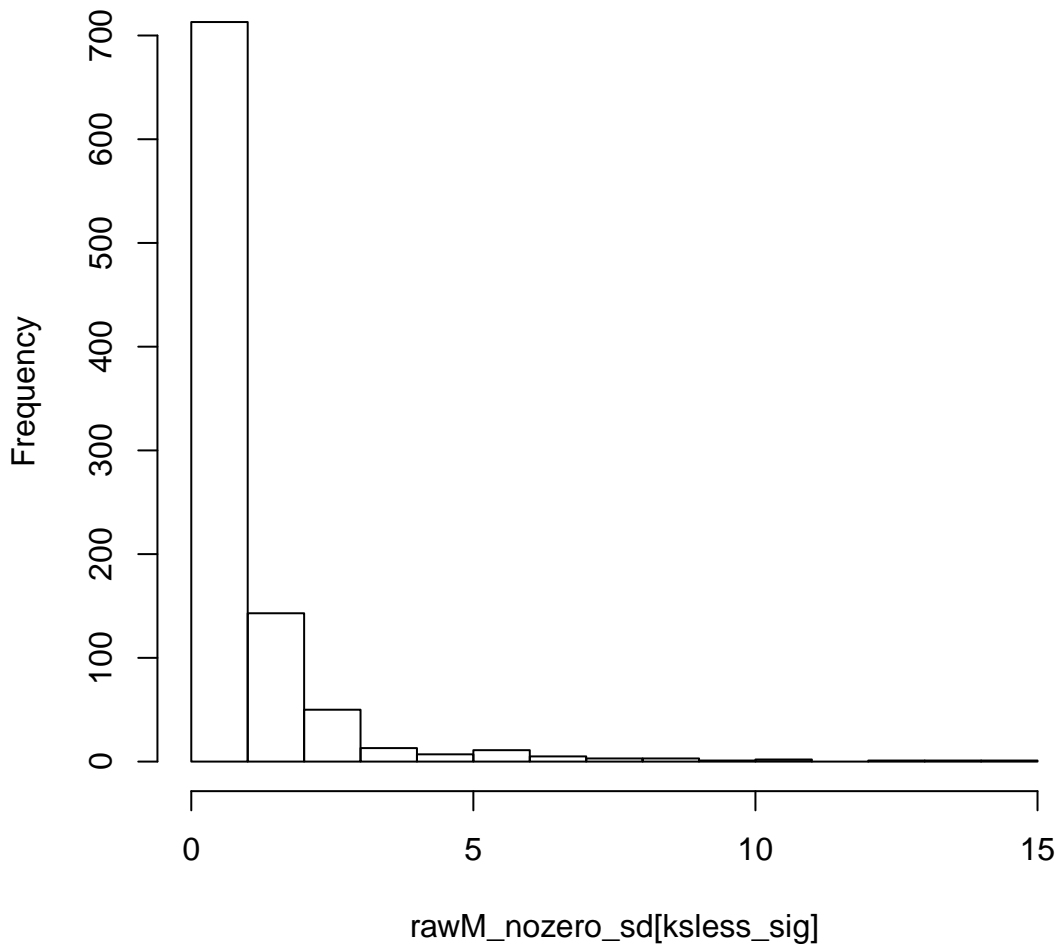
mean of nozero log-expres of genes,ks no sig



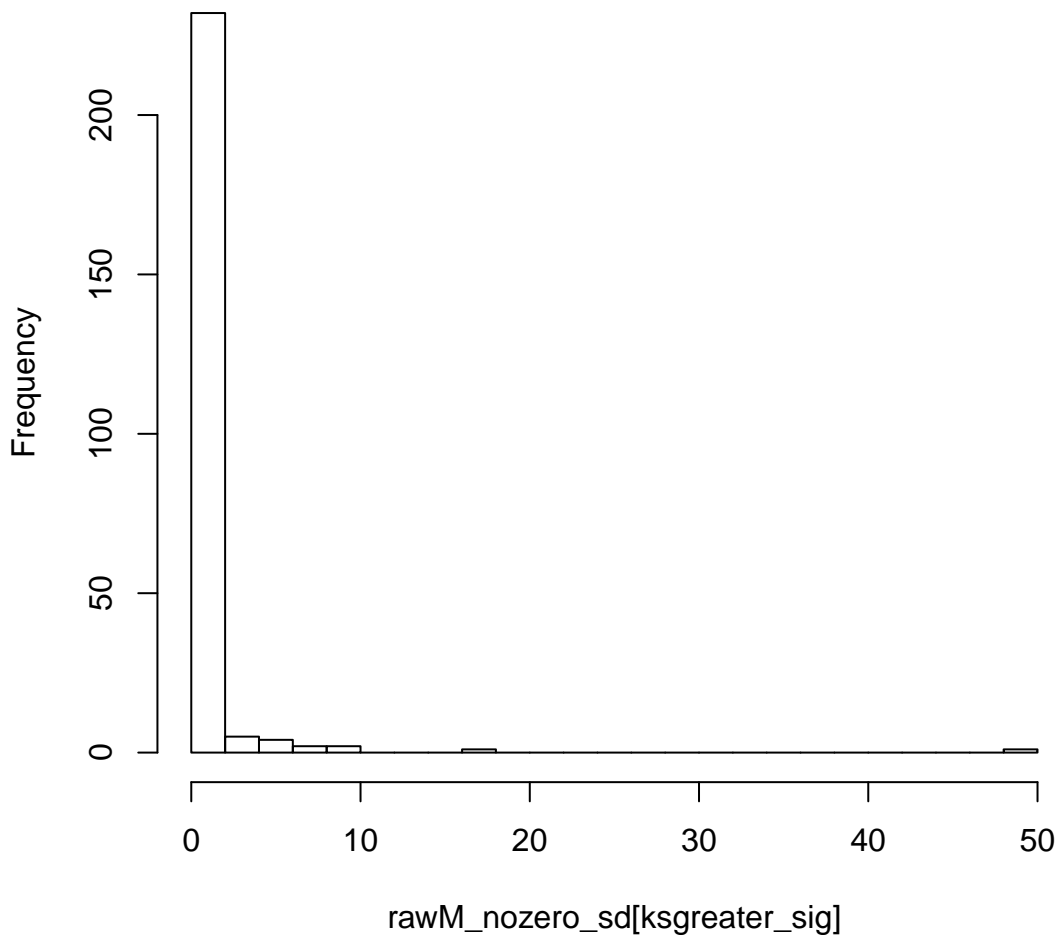
sd of nozero log-express of genes, kstwoside sig



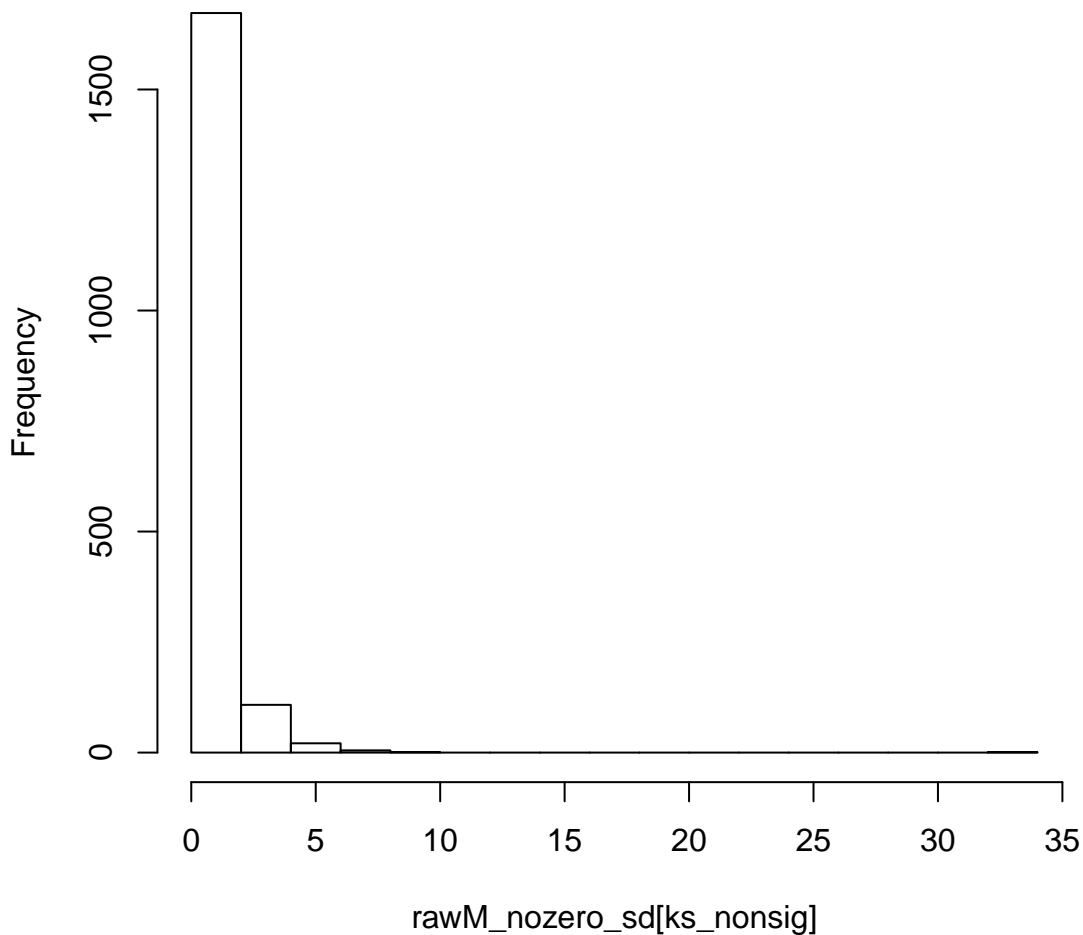
sd of nozero log-express of genes, ksless sig



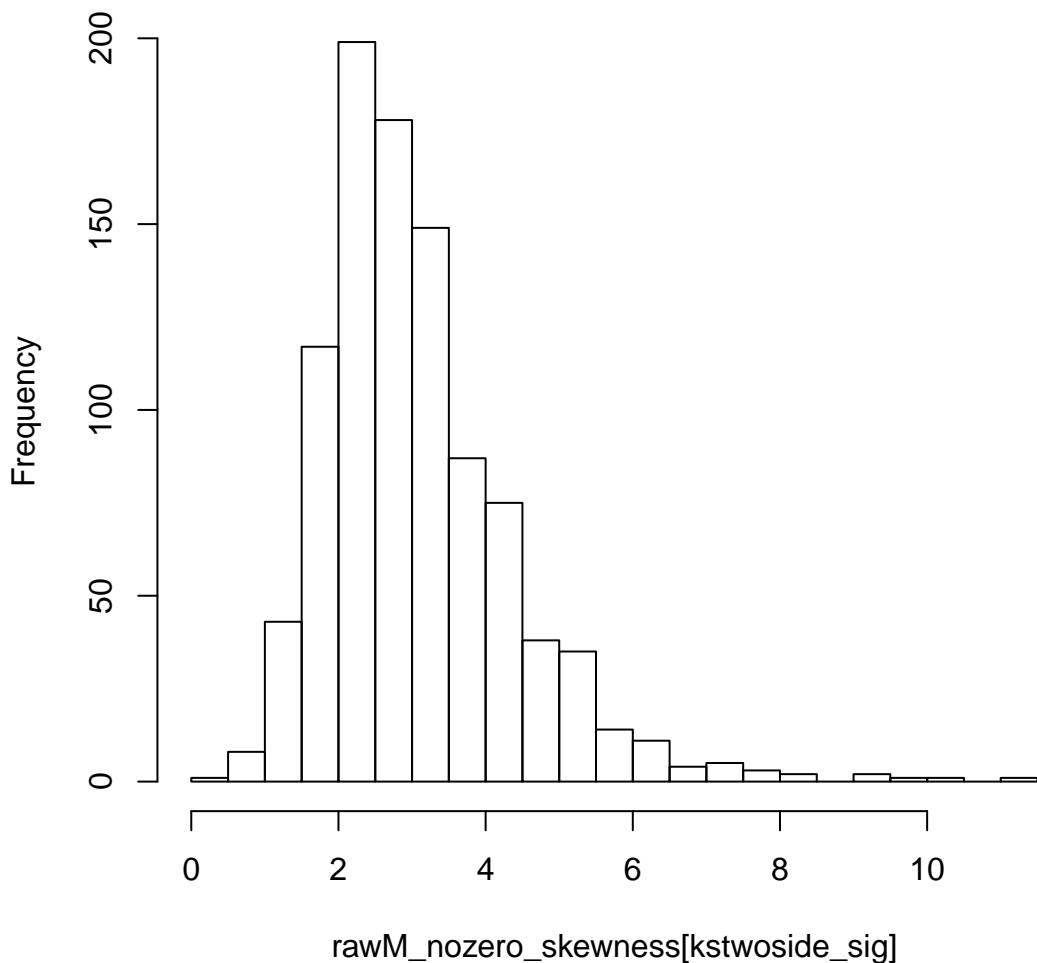
sd of nozero log-express of genes,ksgreater sig



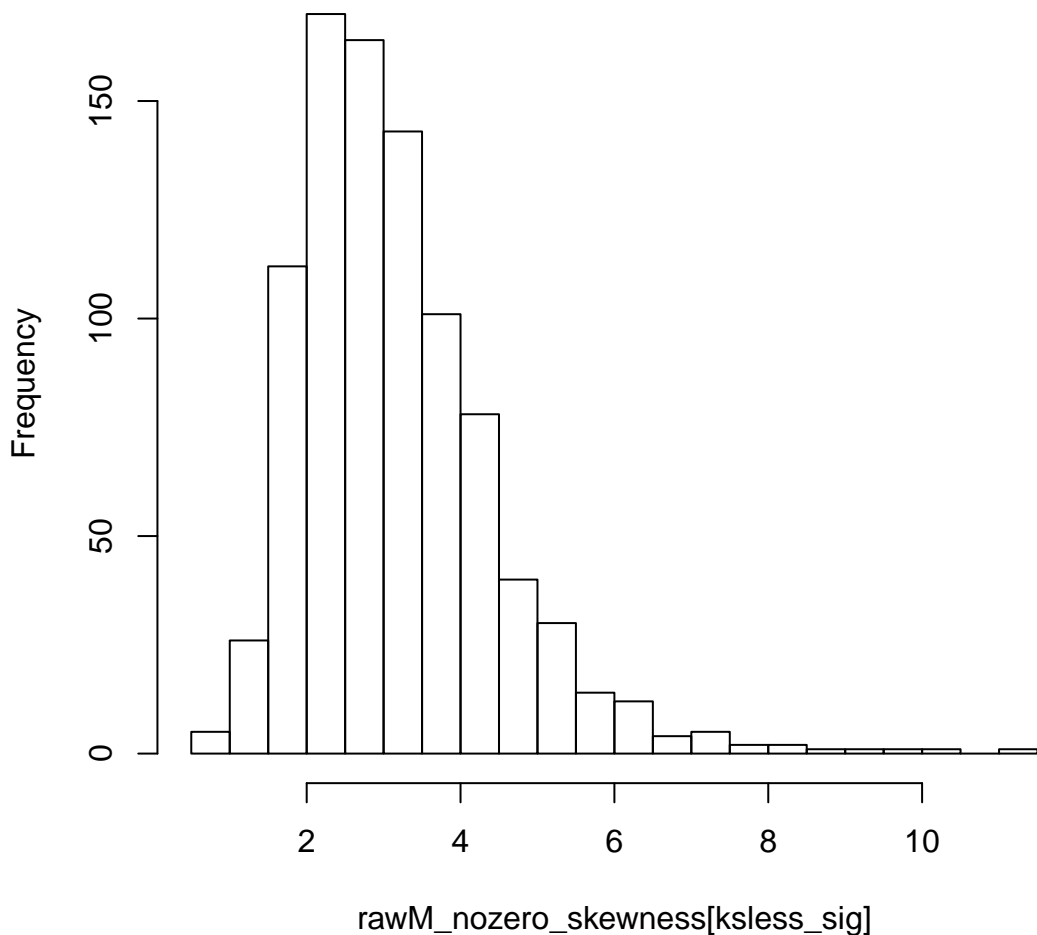
sd of nozero log-expres of genes,ks no sig



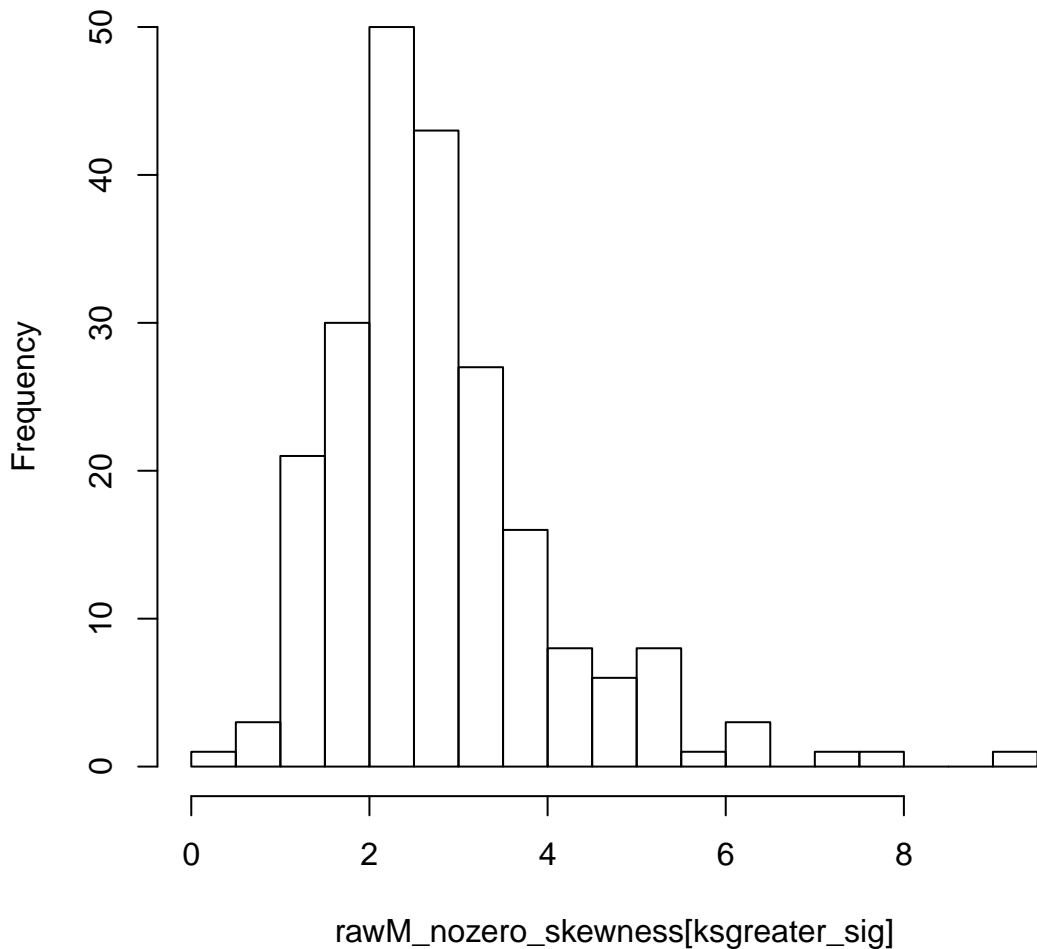
skewness of nozero log-express of genes, kstwo side sig



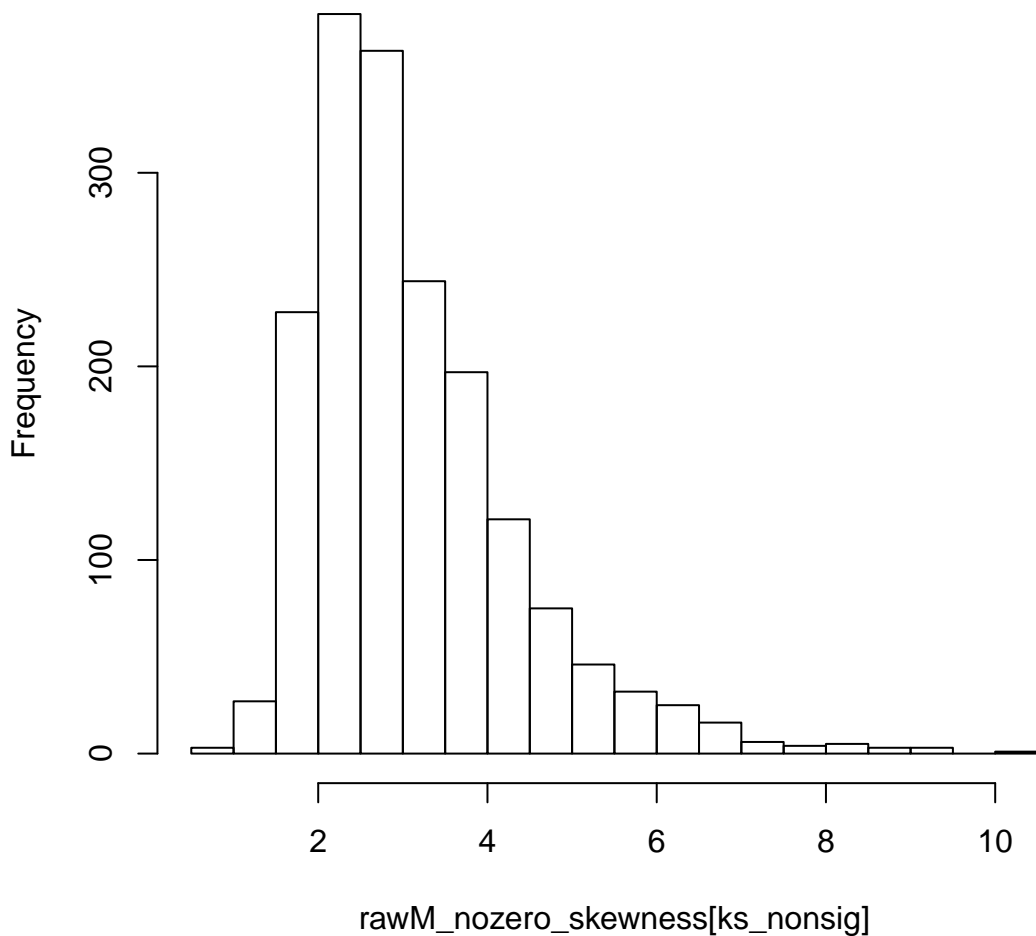
skewness of nozero log-express of genes, ksless sig



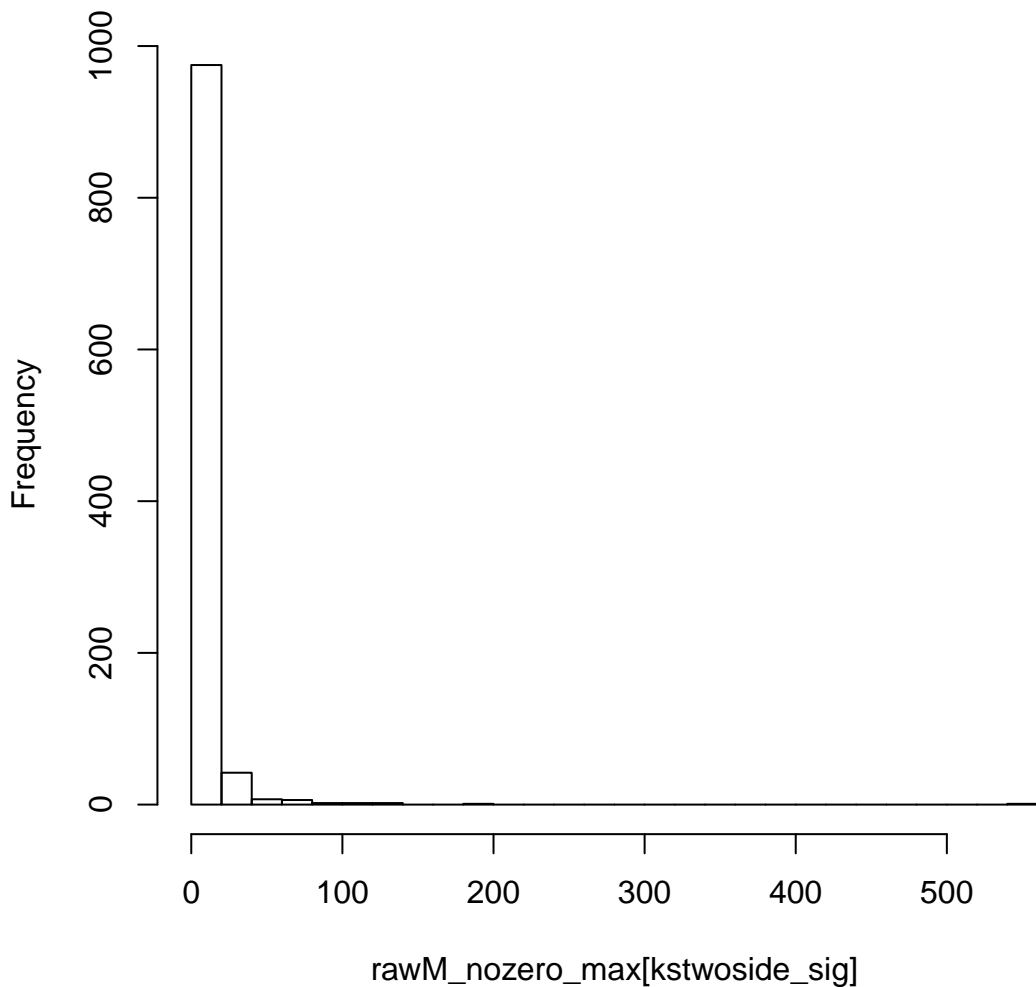
skewness of nozero log-express of genes,ksgreater sig



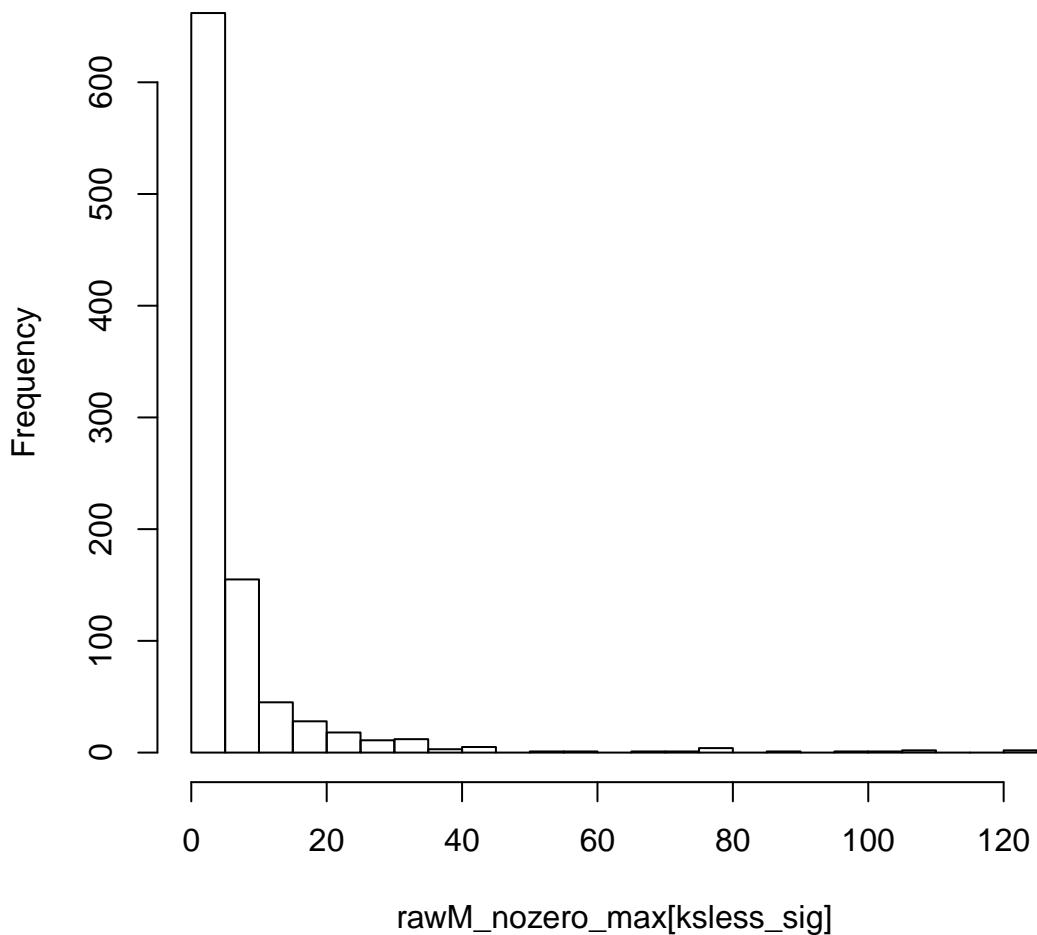
skewness of nozero log-express of genes,ks no sig



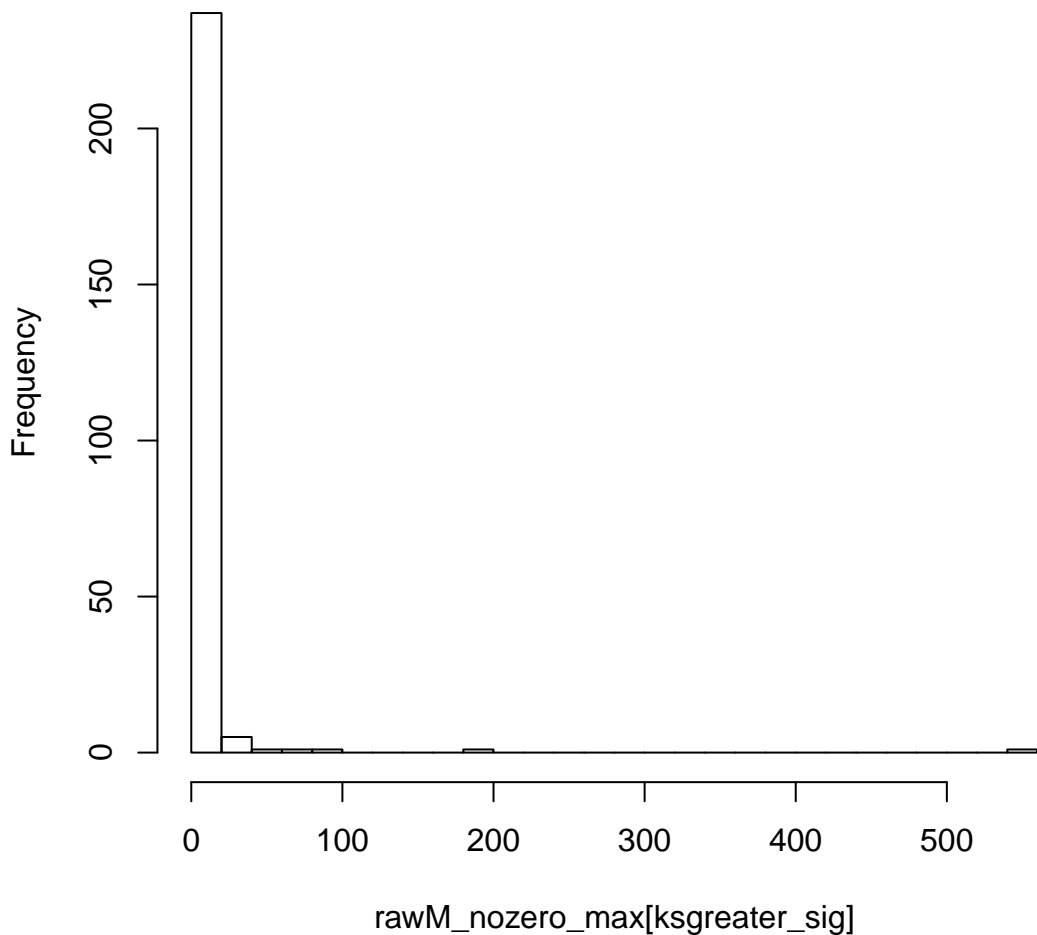
max of nozero log-express of genes, kstvoside sig



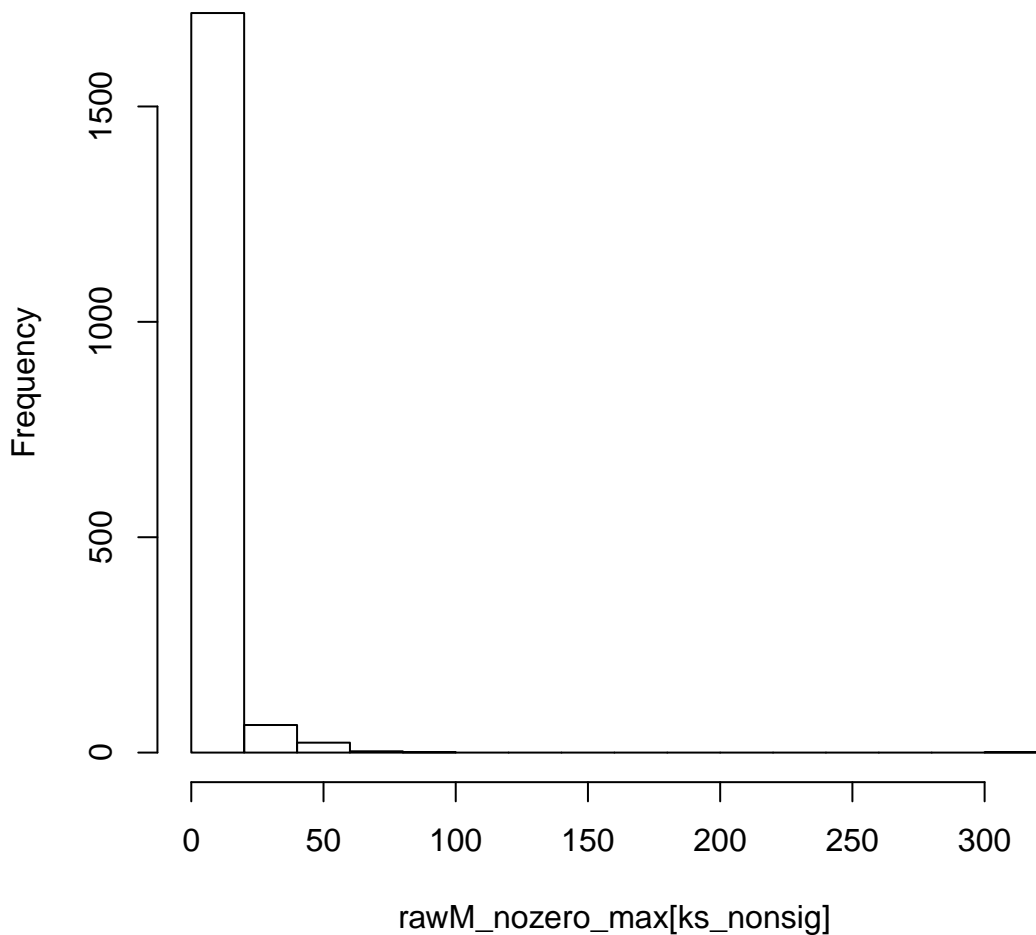
max of nozero log-express of genes, ksless sig



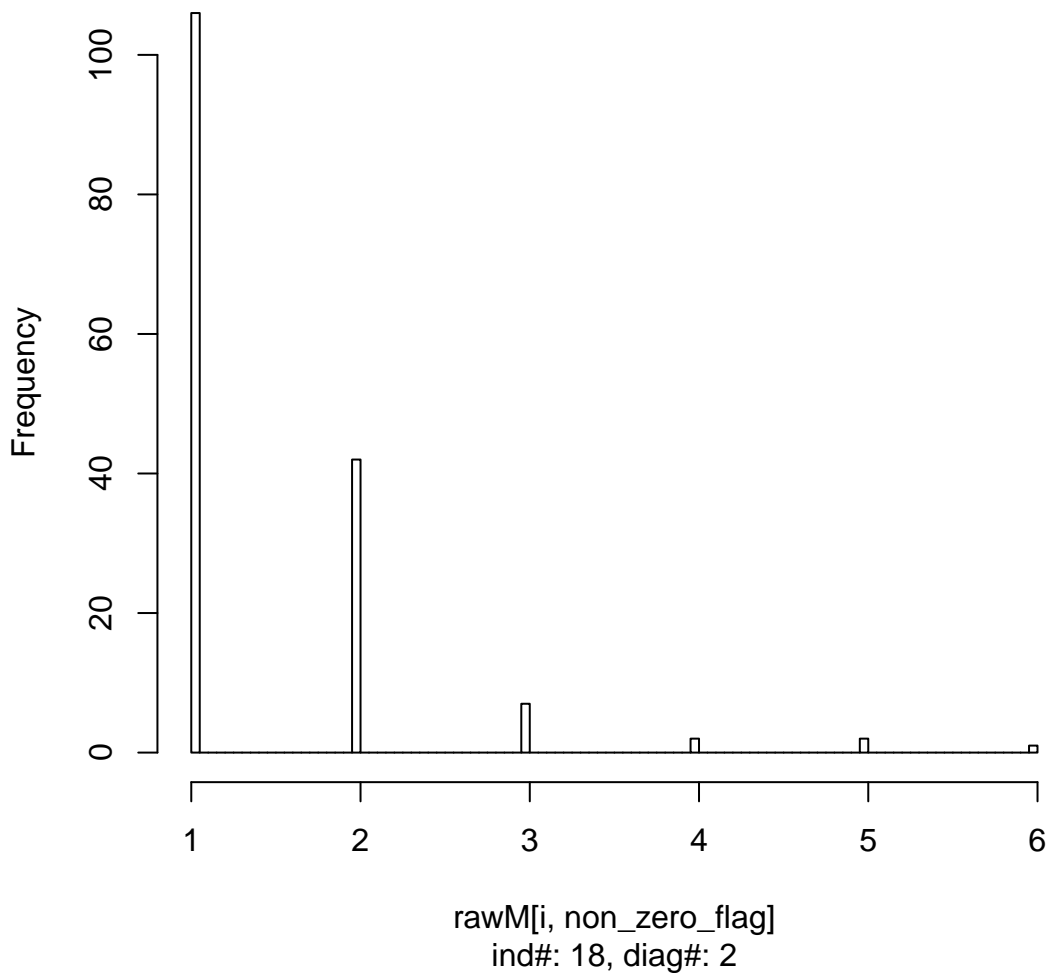
max of nozero log-express of genes,ksgreater sig



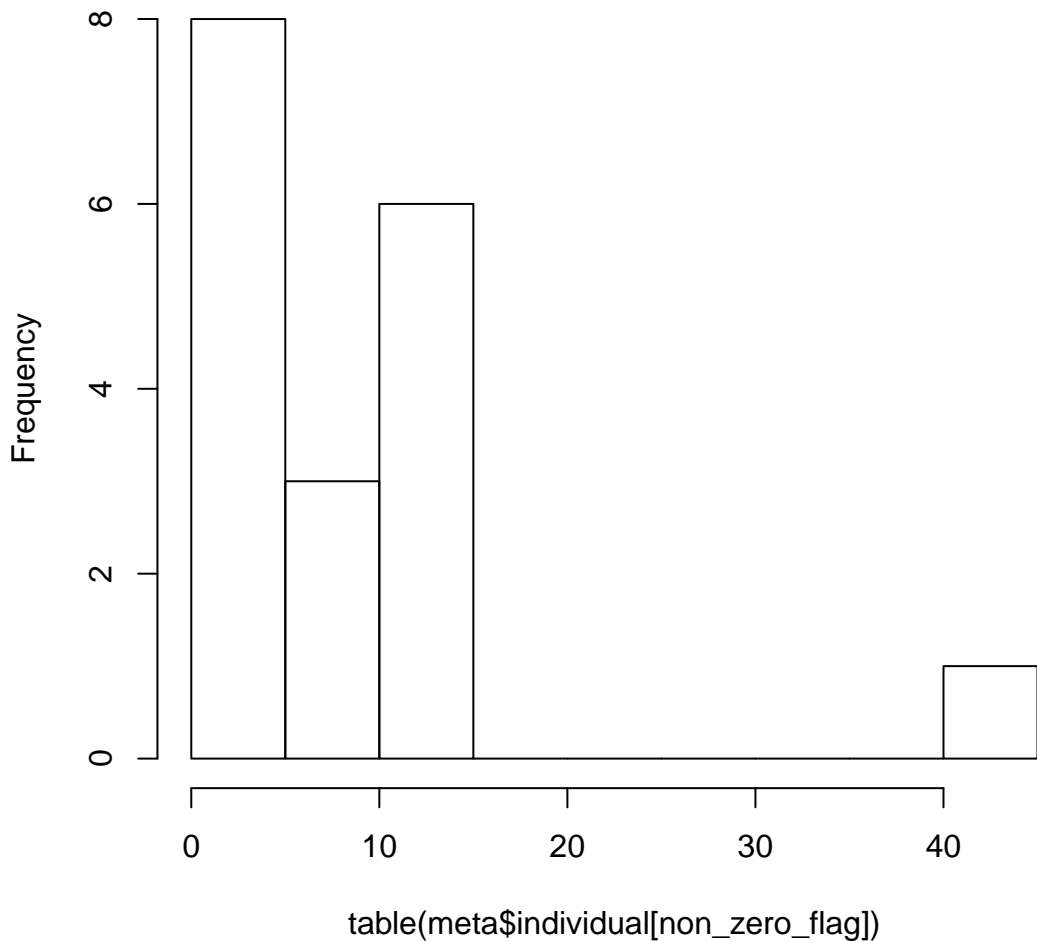
max of nozero log-expres of genes,ks no sig



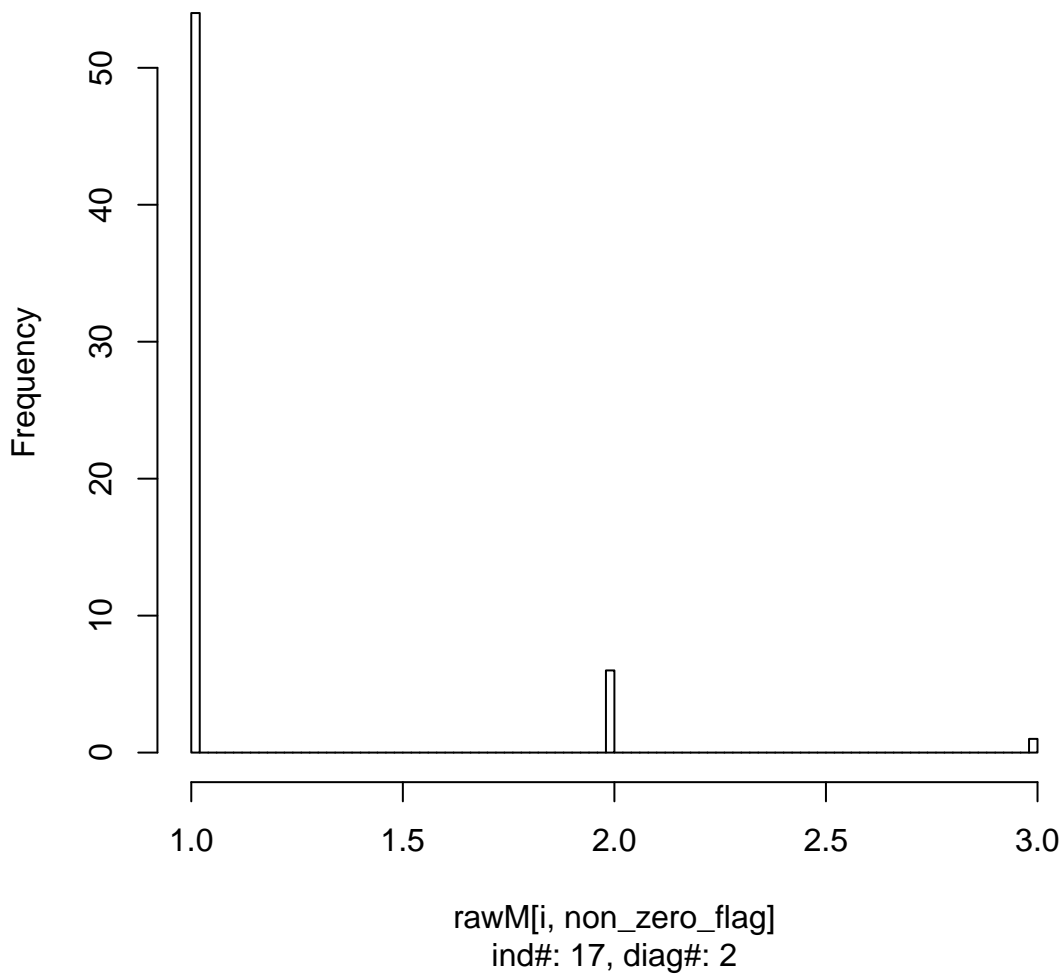
less sig: log expression of gene#1, pval ob=0.5006, non-zero nu



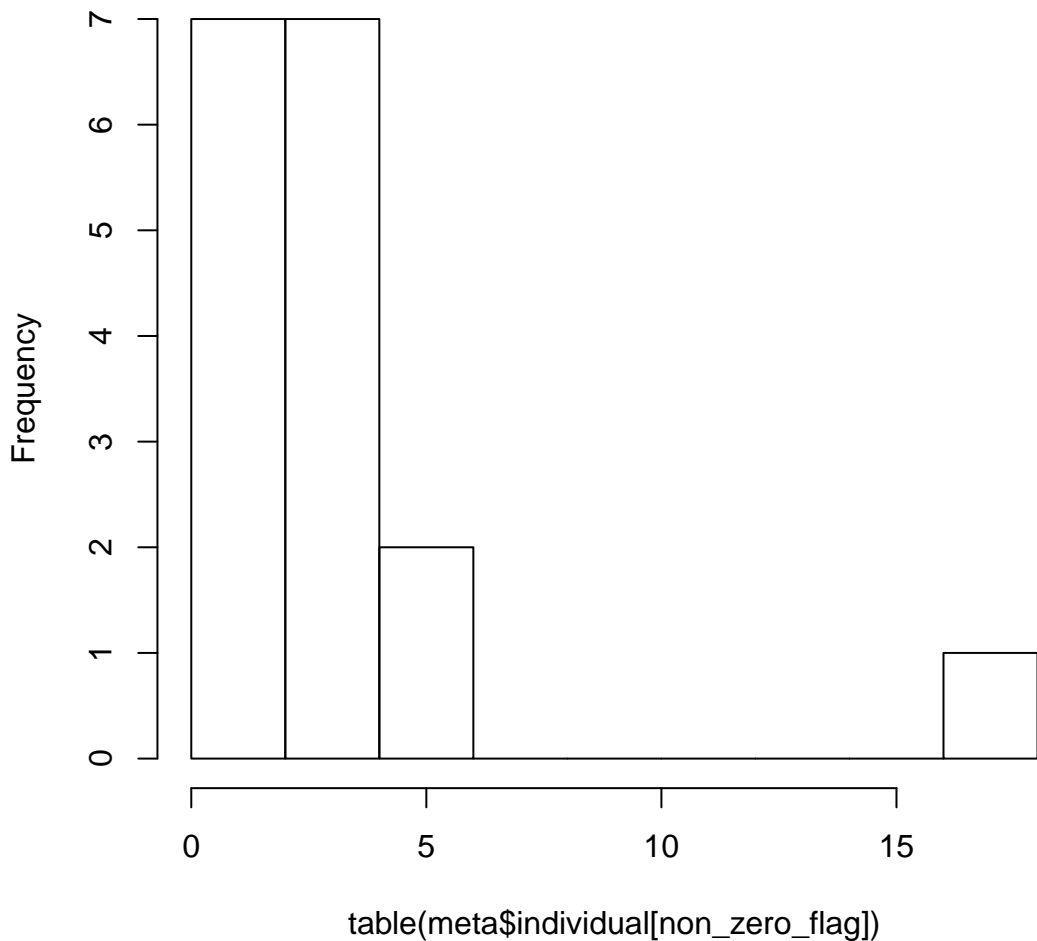
KSless sig: individual expression cell count of gene#1



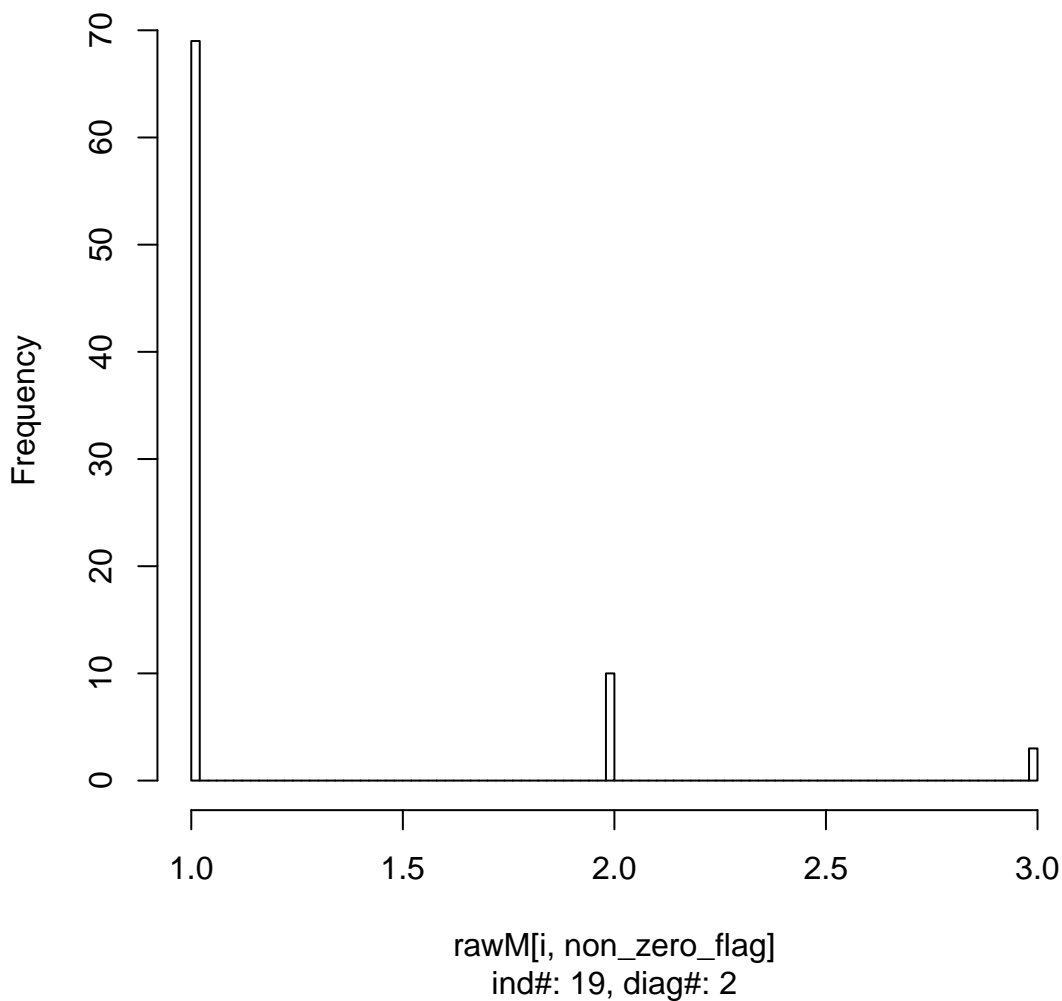
less sig: log expression of gene#12, pval ob=0.0017, non-zero n



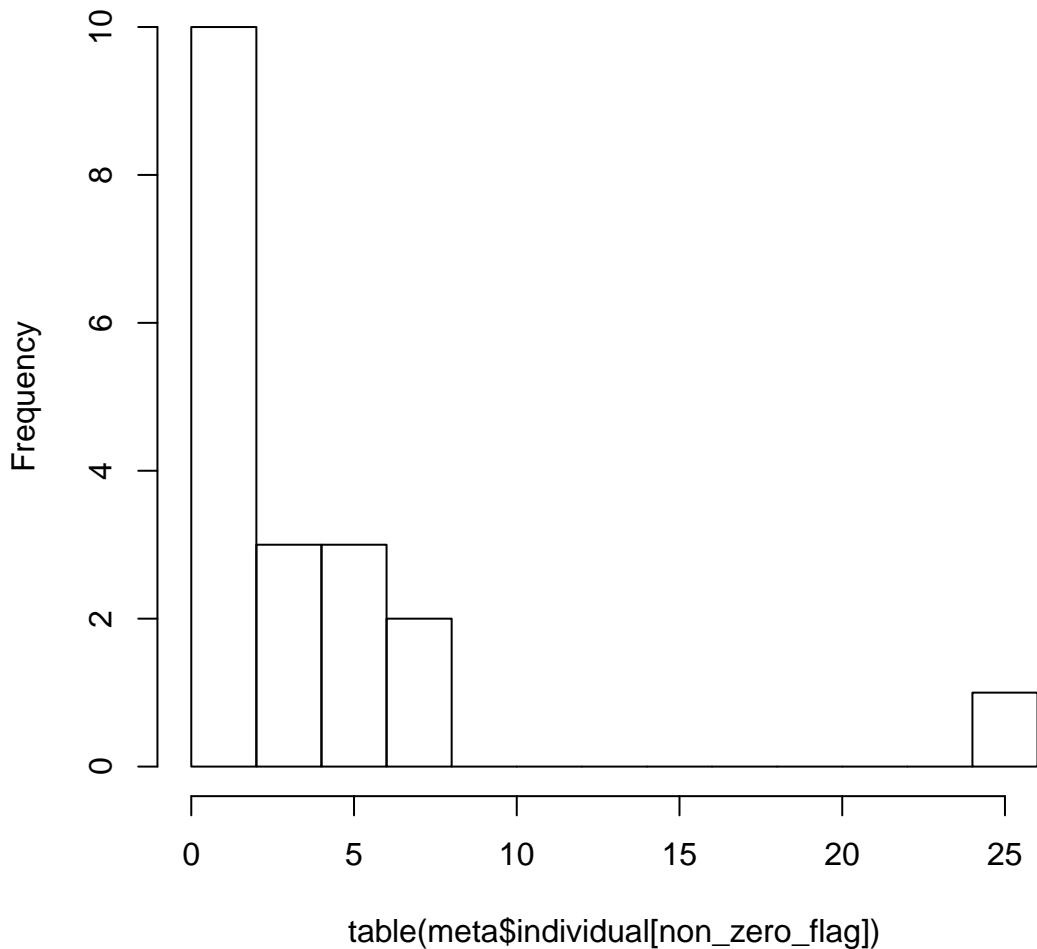
KSless sig: individual expression cell count of gene#12



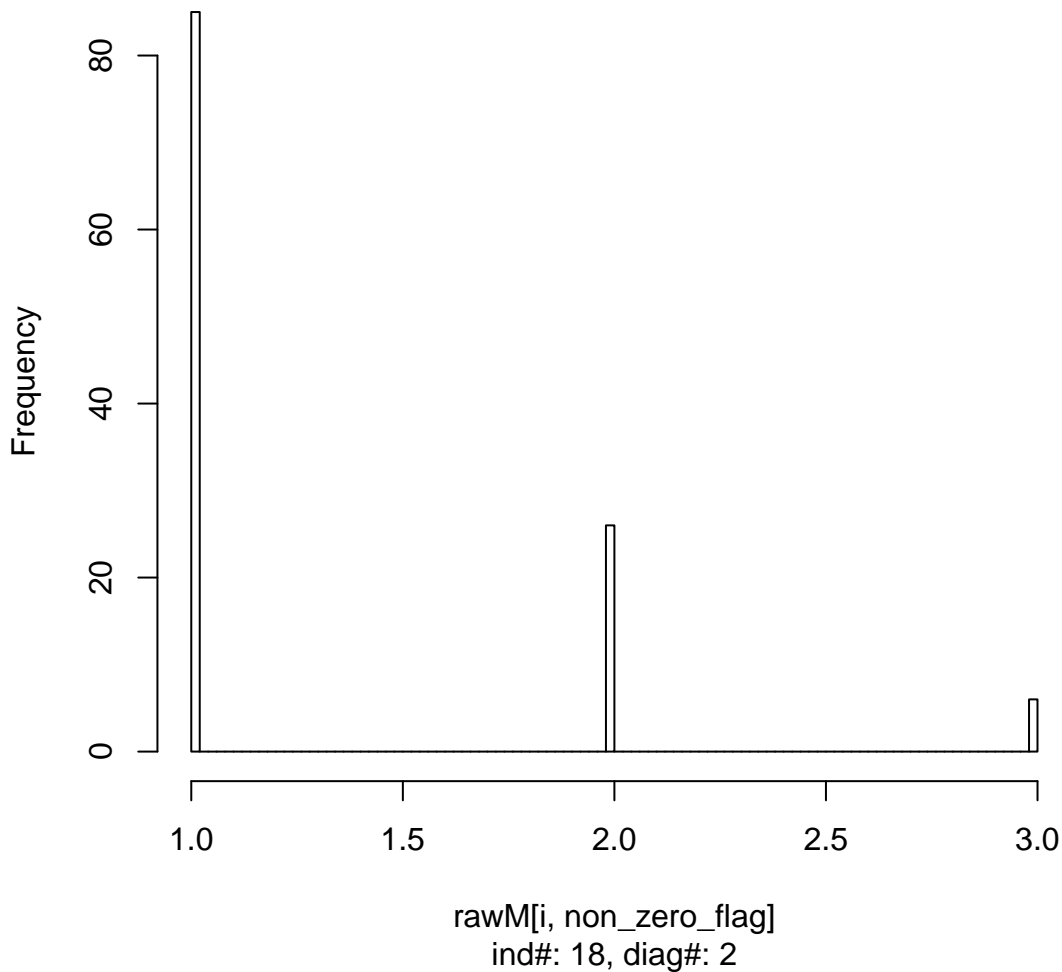
Shless sig: log expression of gene#26, pval ob=0.4207, non-zero n



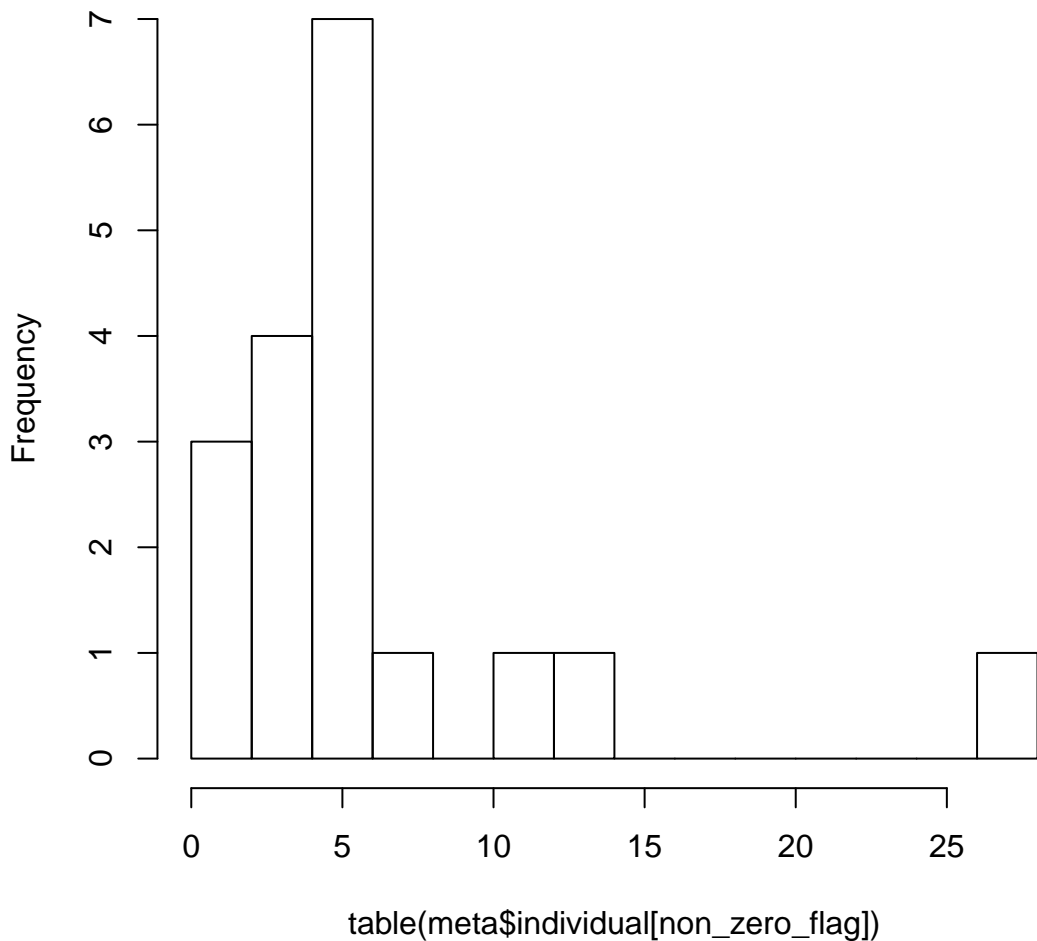
KSless sig: individual expression cell count of gene#26



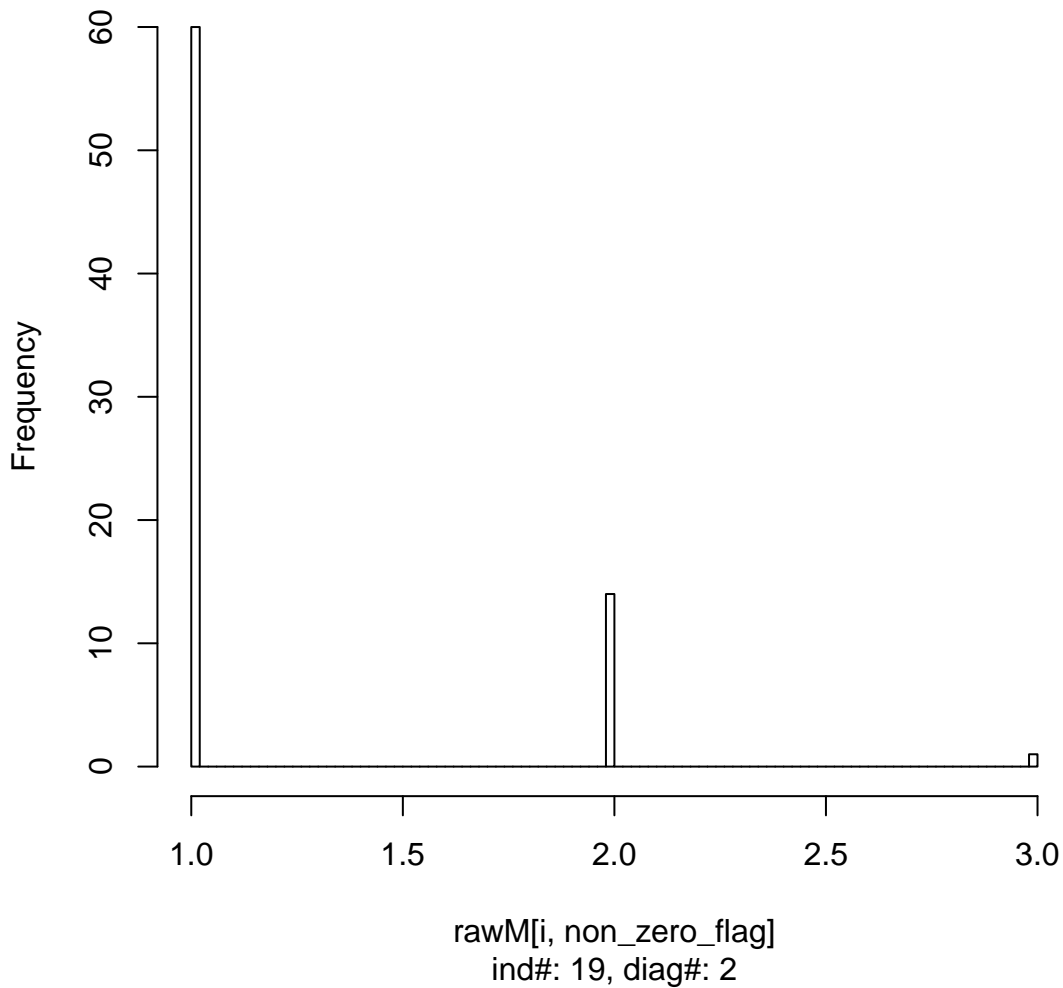
less sig: log expression of gene#67, pval ob=0.1874, non-zero nu



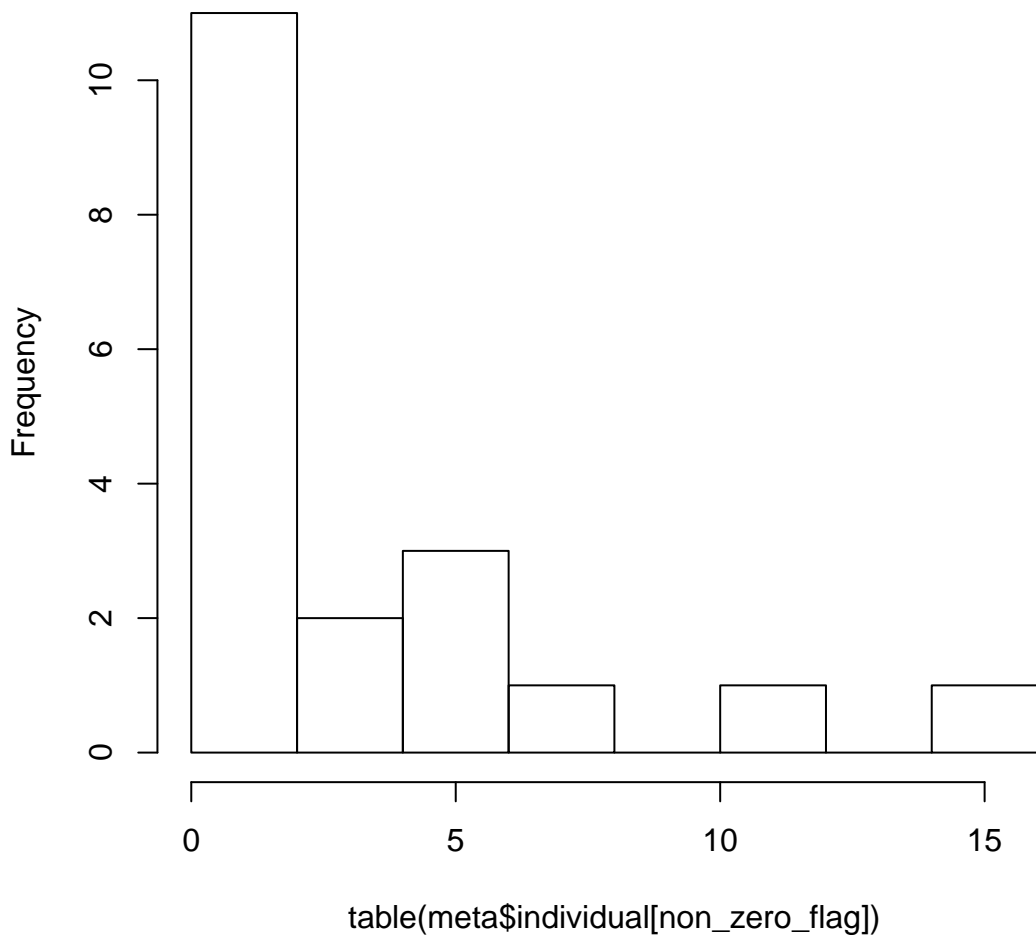
KSless sig: individual expression cell count of gene#67



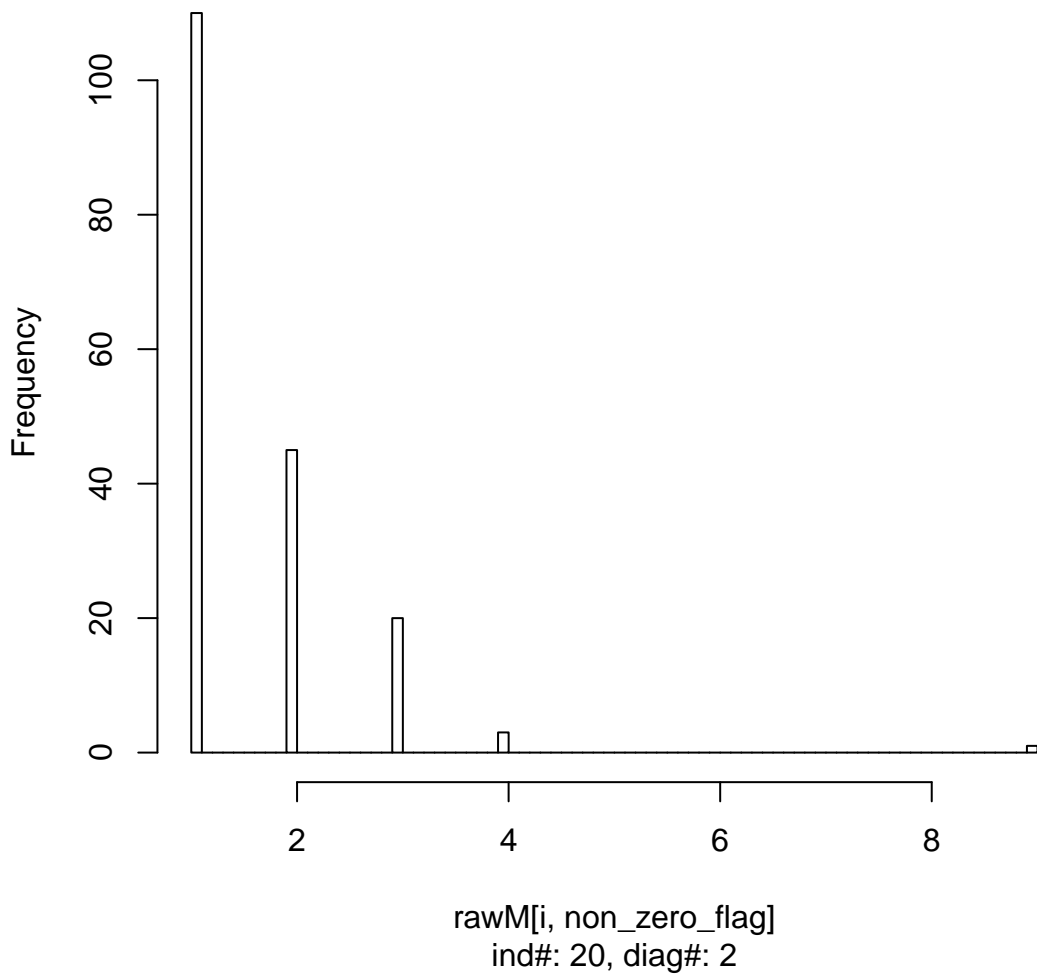
less sig: log expression of gene#76, pval ob=0.0057, non-zero n



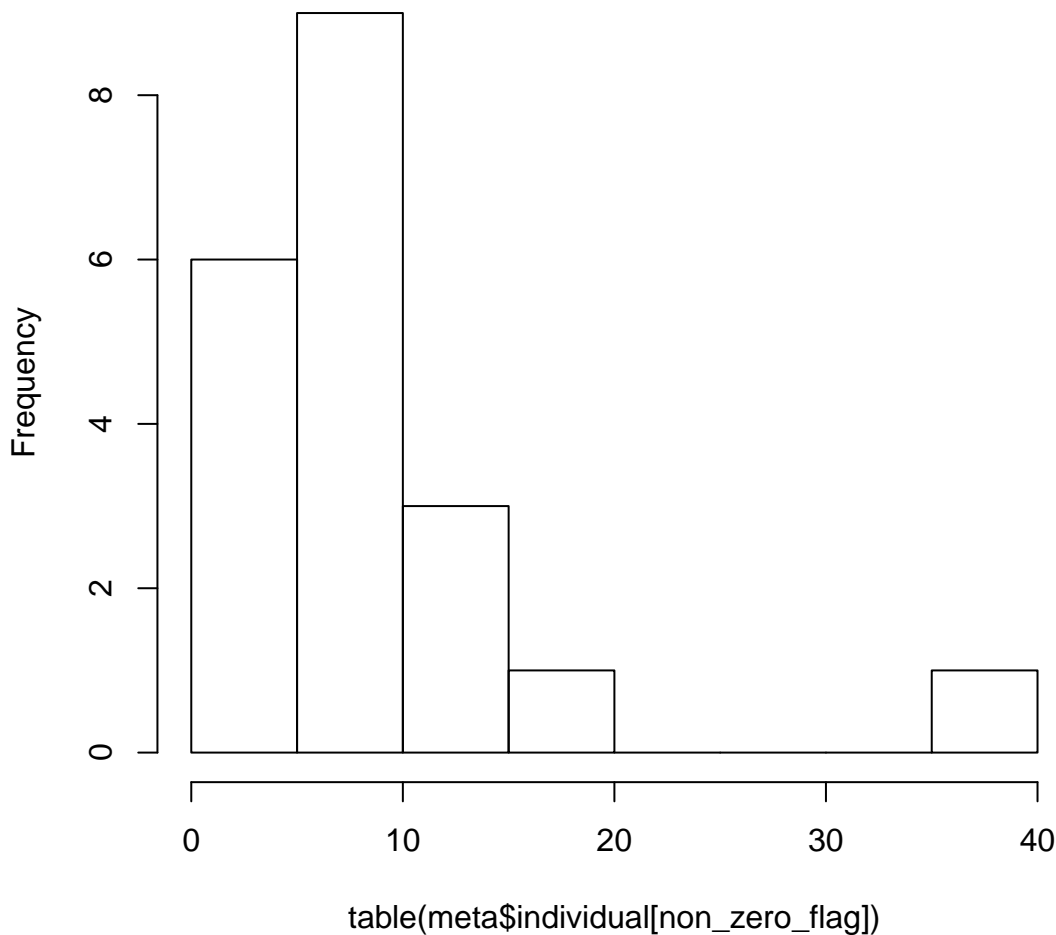
KSless sig: individual expression cell count of gene#76



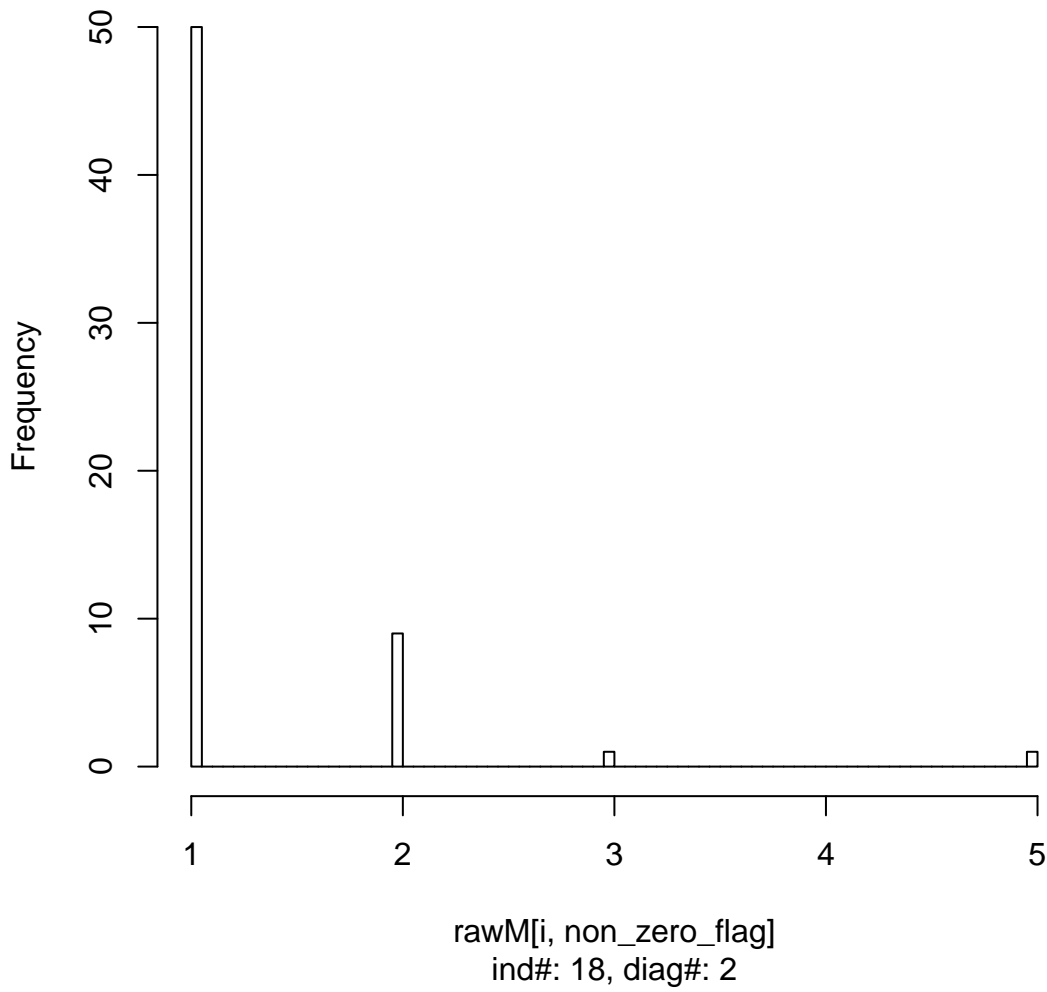
less sig: log expression of gene#82, pval ob=0.1144, non-zero nu



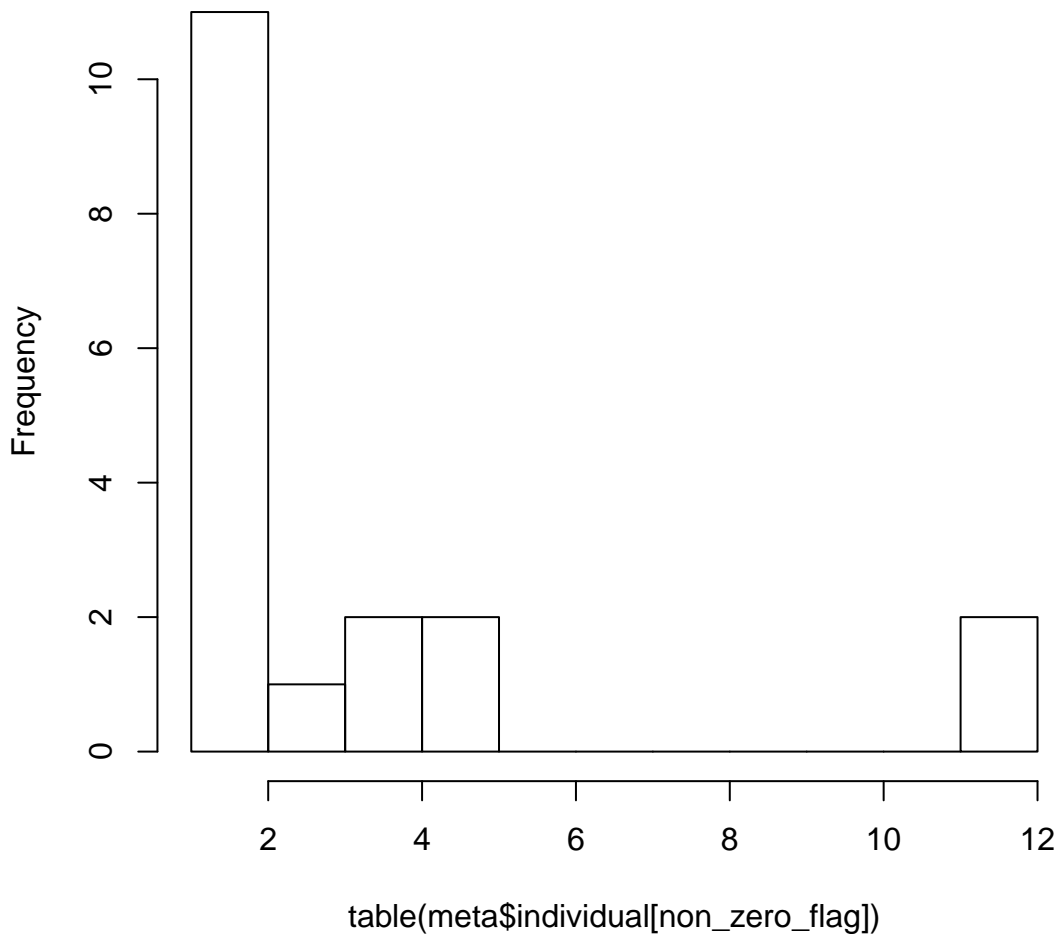
KSless sig: individual expression cell count of gene#82



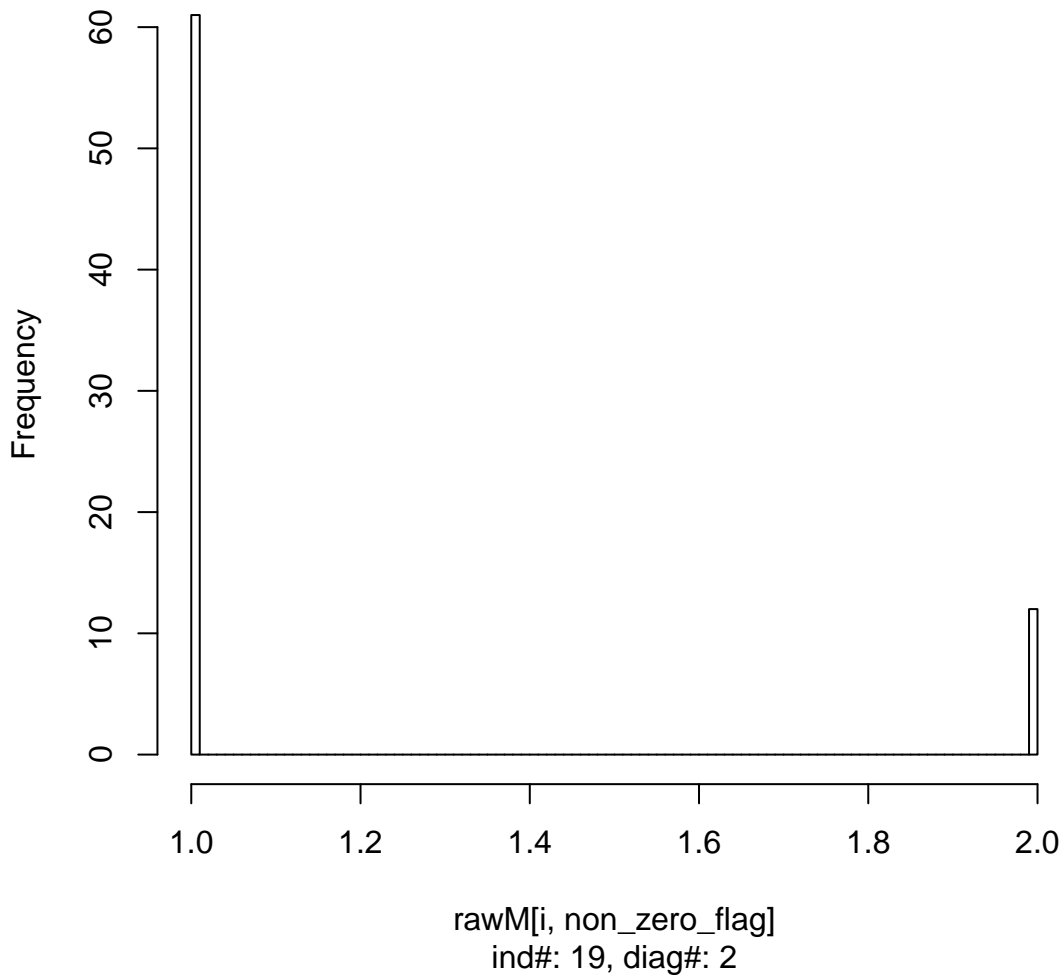
less sig: log expression of gene#83, pval ob=0.1386, non-zero n



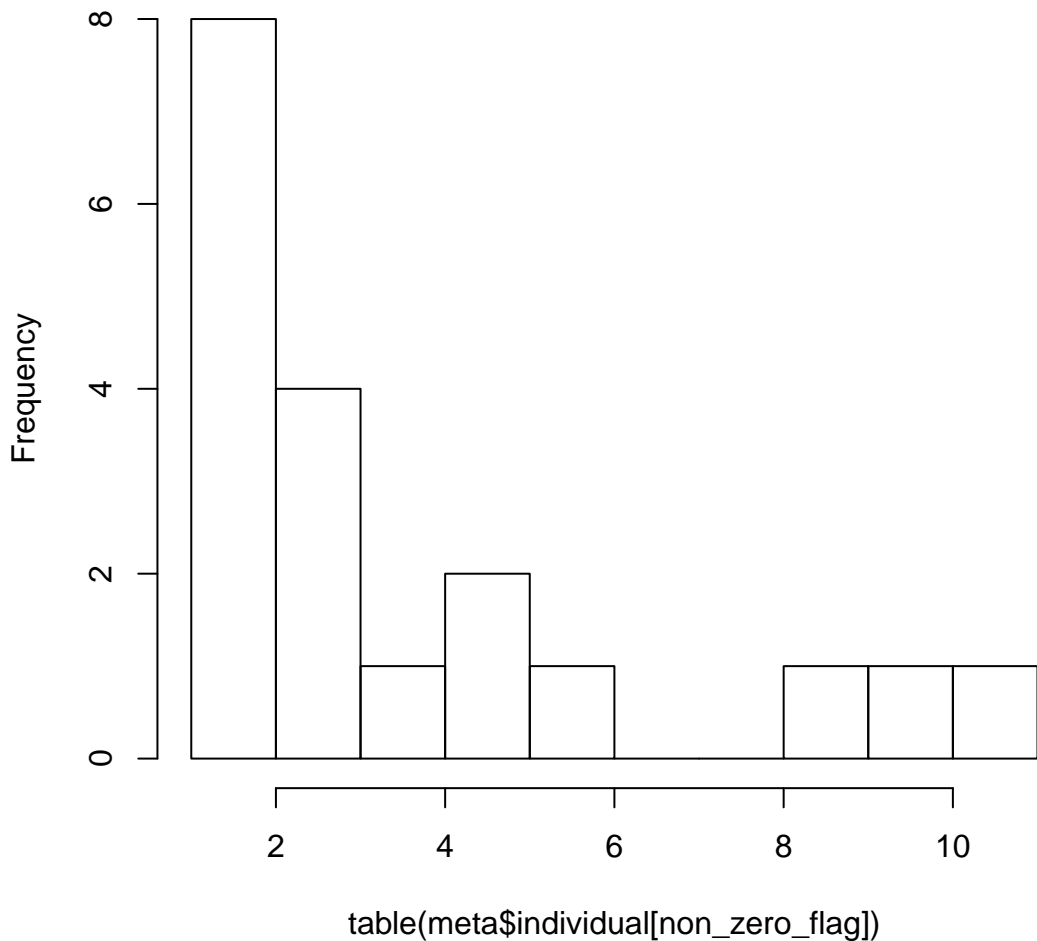
KSless sig: individual expression cell count of gene#83



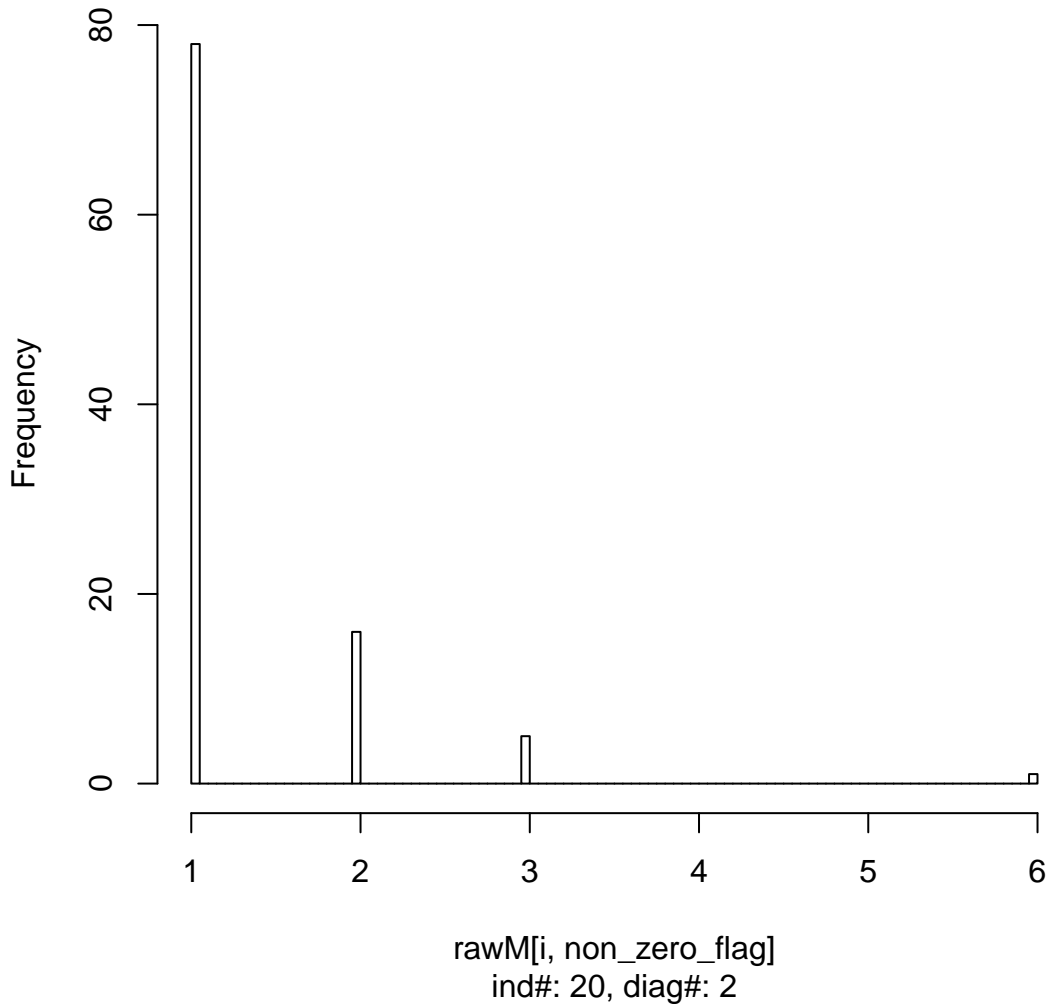
less sig: log expression of gene#105, pval ob=0.0352, non-zero n



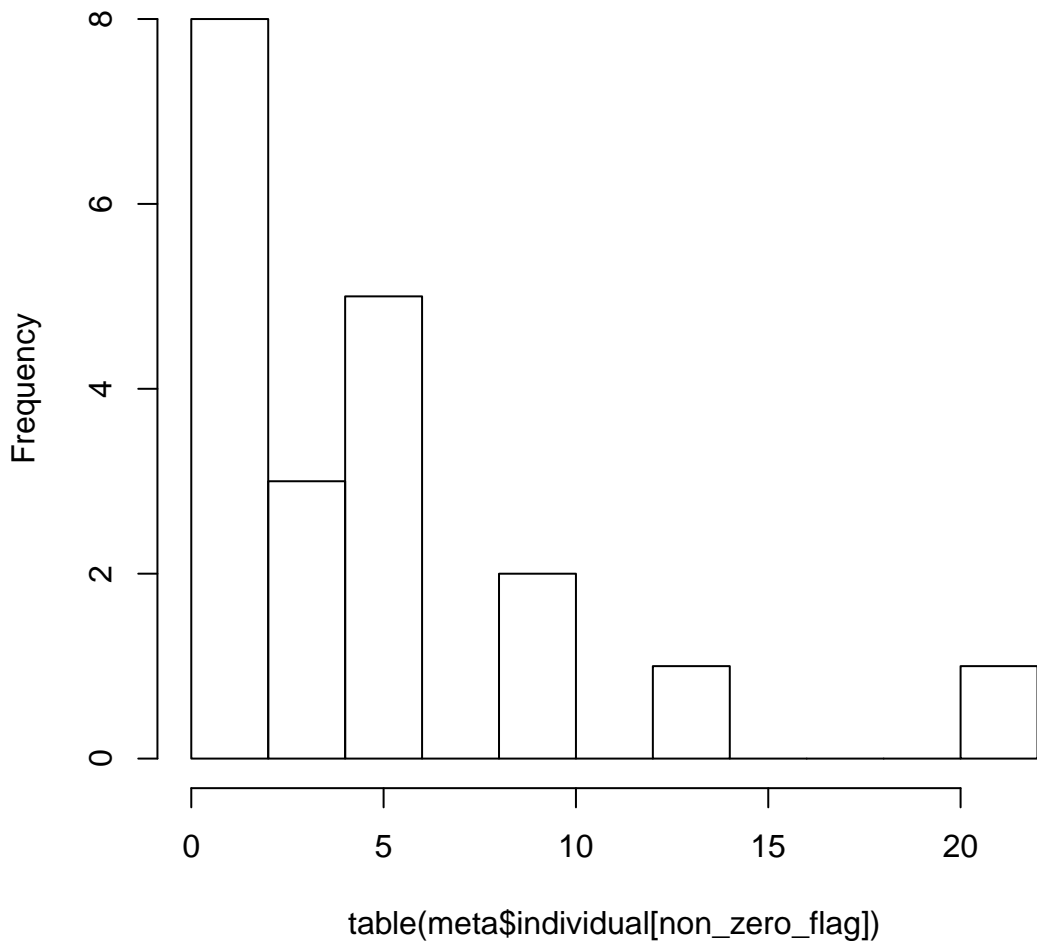
KSless sig: individual expression cell count of gene#105



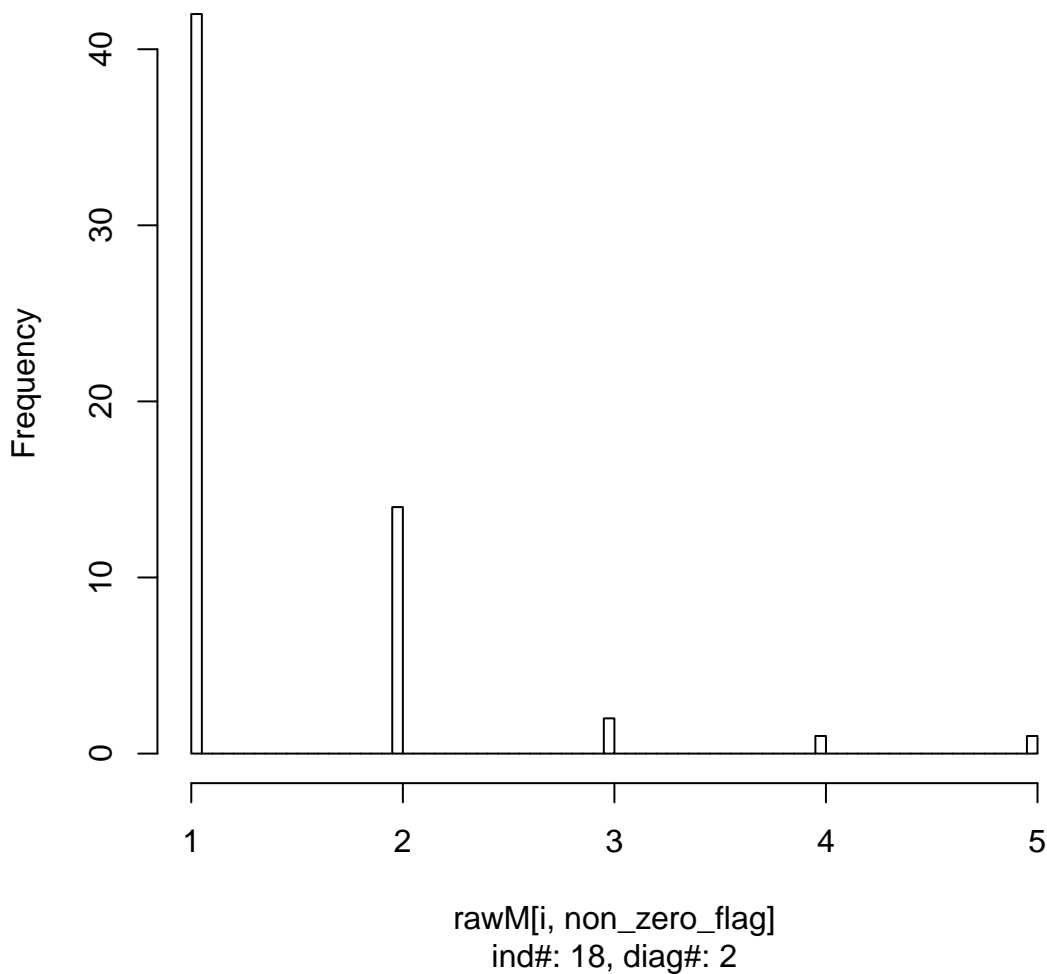
less sig: log expression of gene#106, pval ob=0.6627, non-zero n



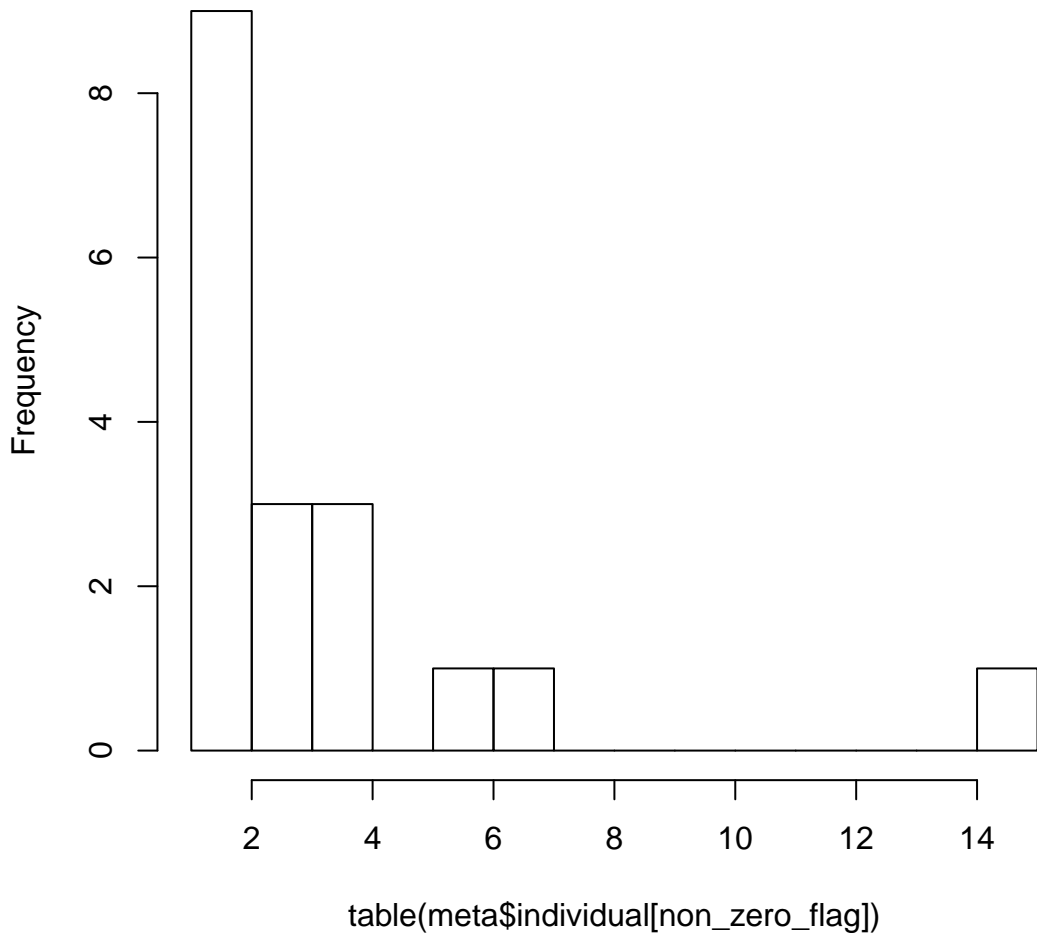
KSless sig: individual expression cell count of gene#106



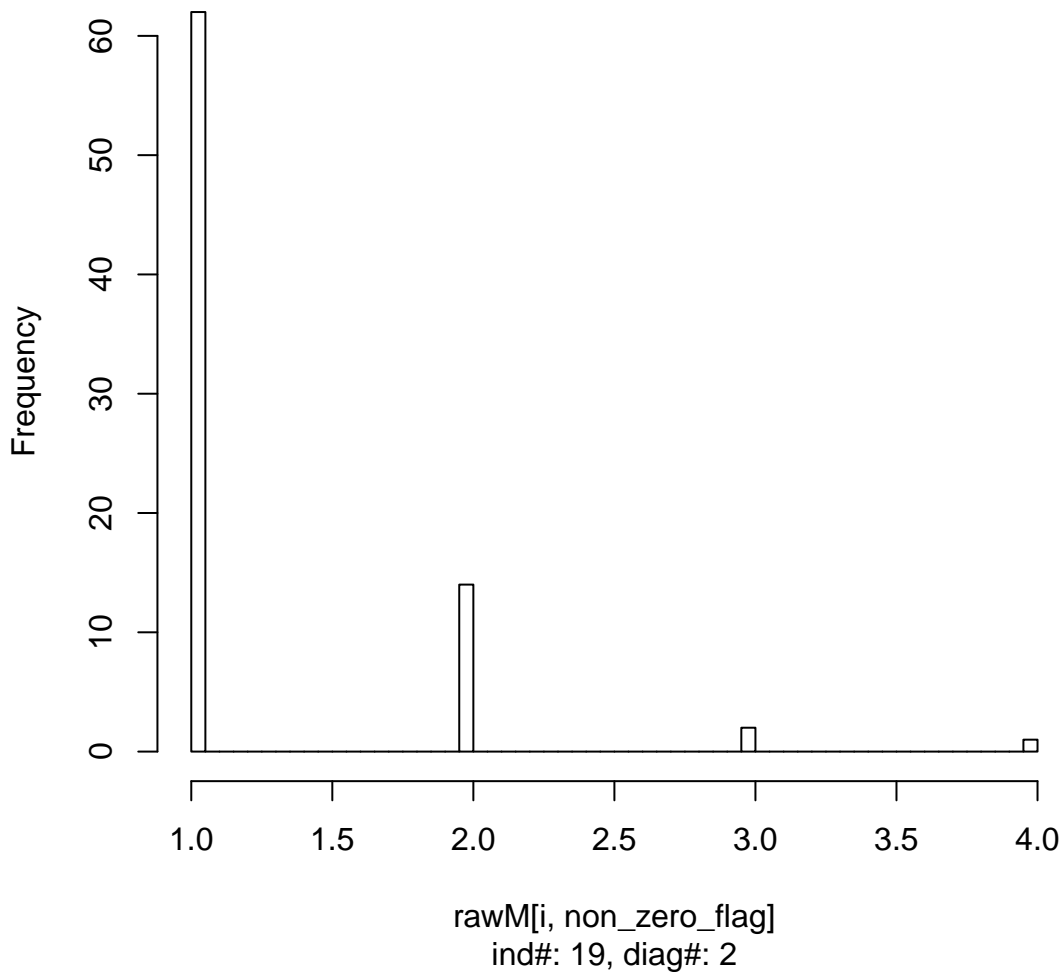
less sig: log expression of gene#108, pval ob=0.0019, non-zero n



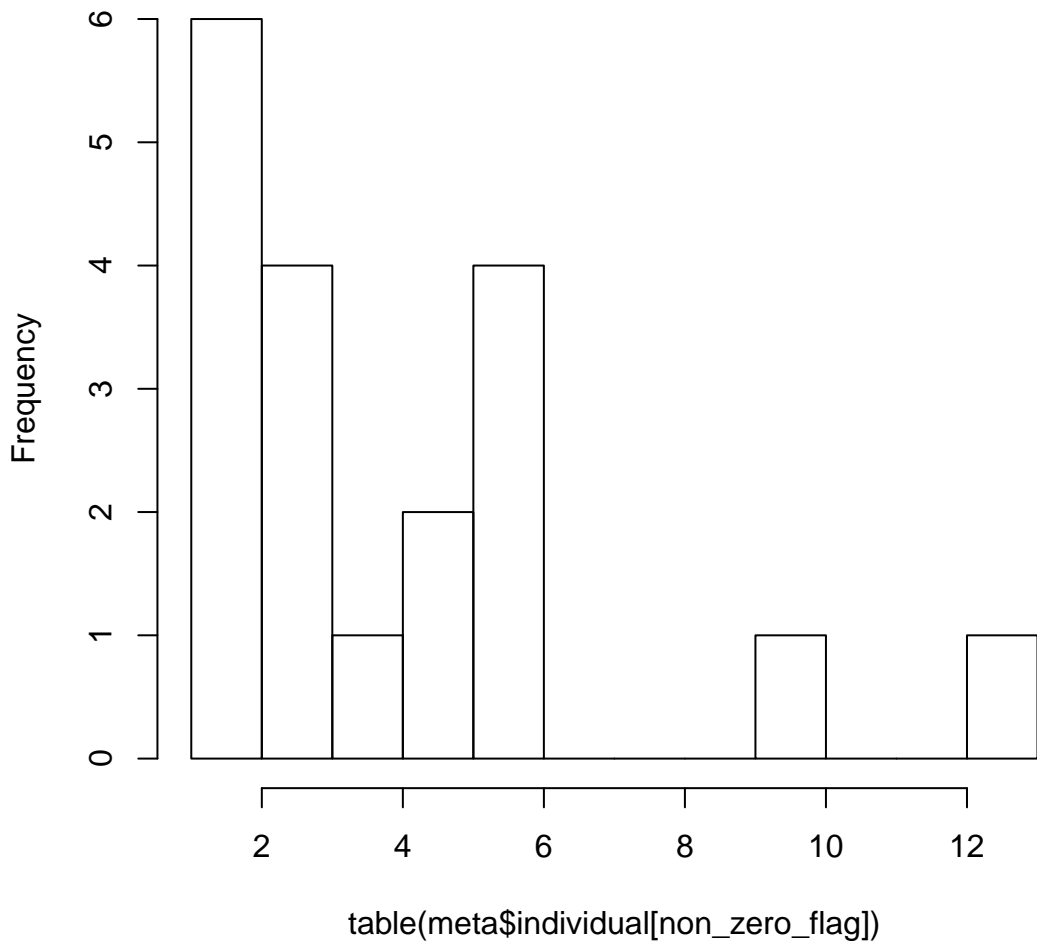
KSless sig: individual expression cell count of gene#108



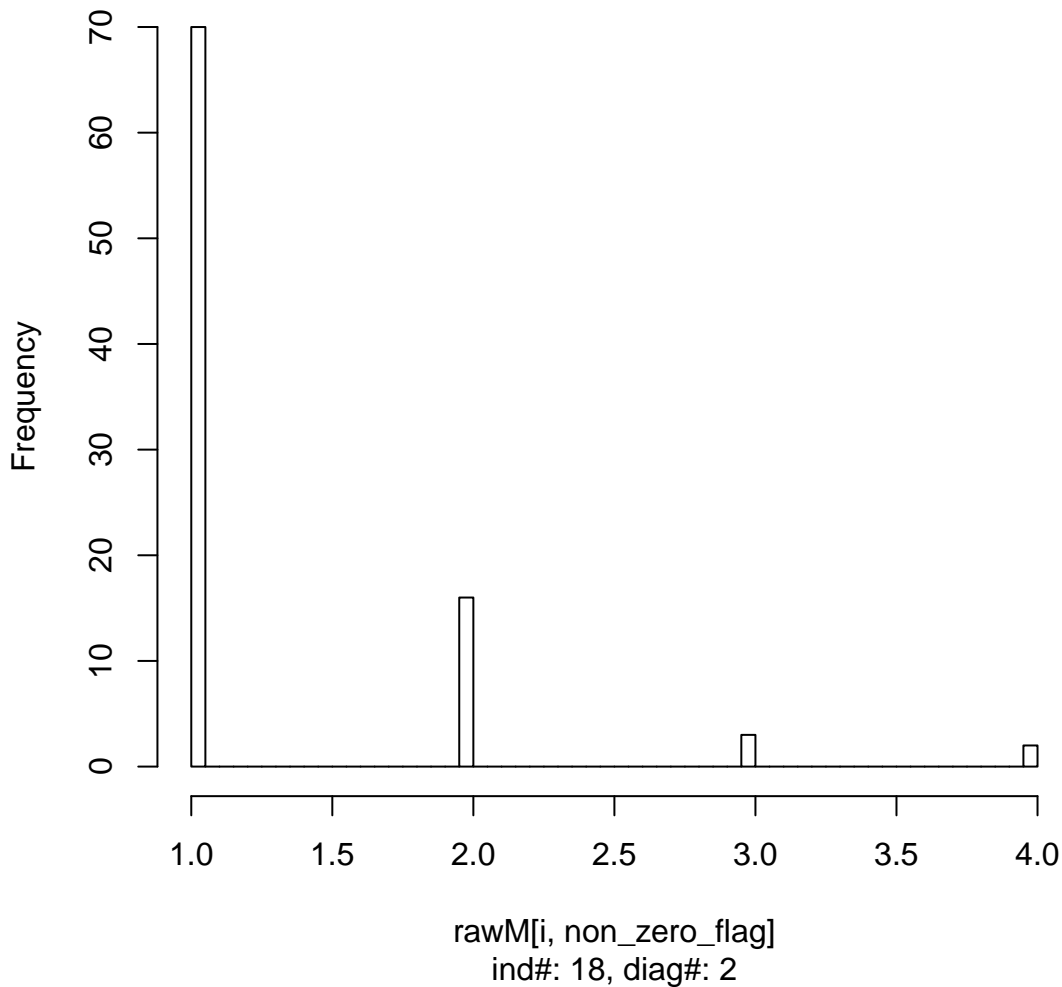
S nonsig: log expression of gene#3, pval ob=0.9855, non-zero nu



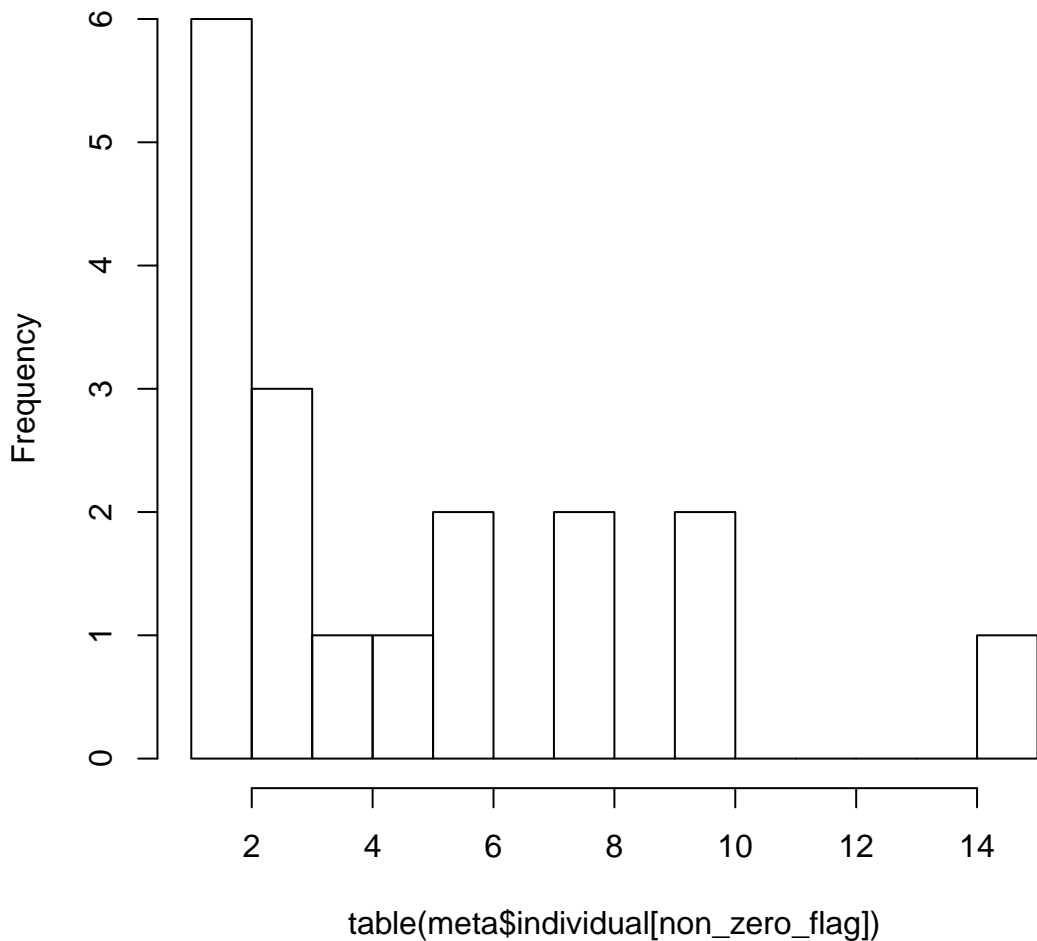
KSless nonsig: individual expression cell count of gene#3



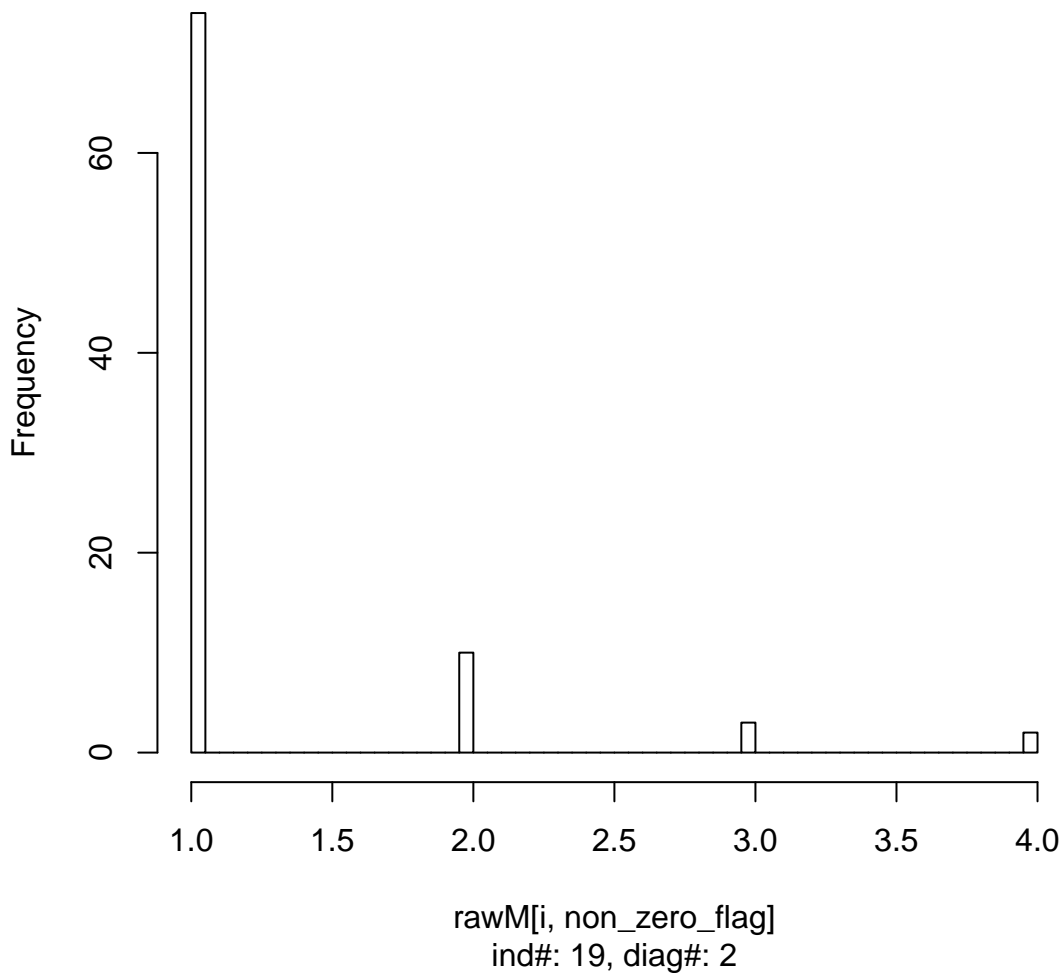
S nonsig: log expression of gene#6, pval ob=0.0446, non-zero nu



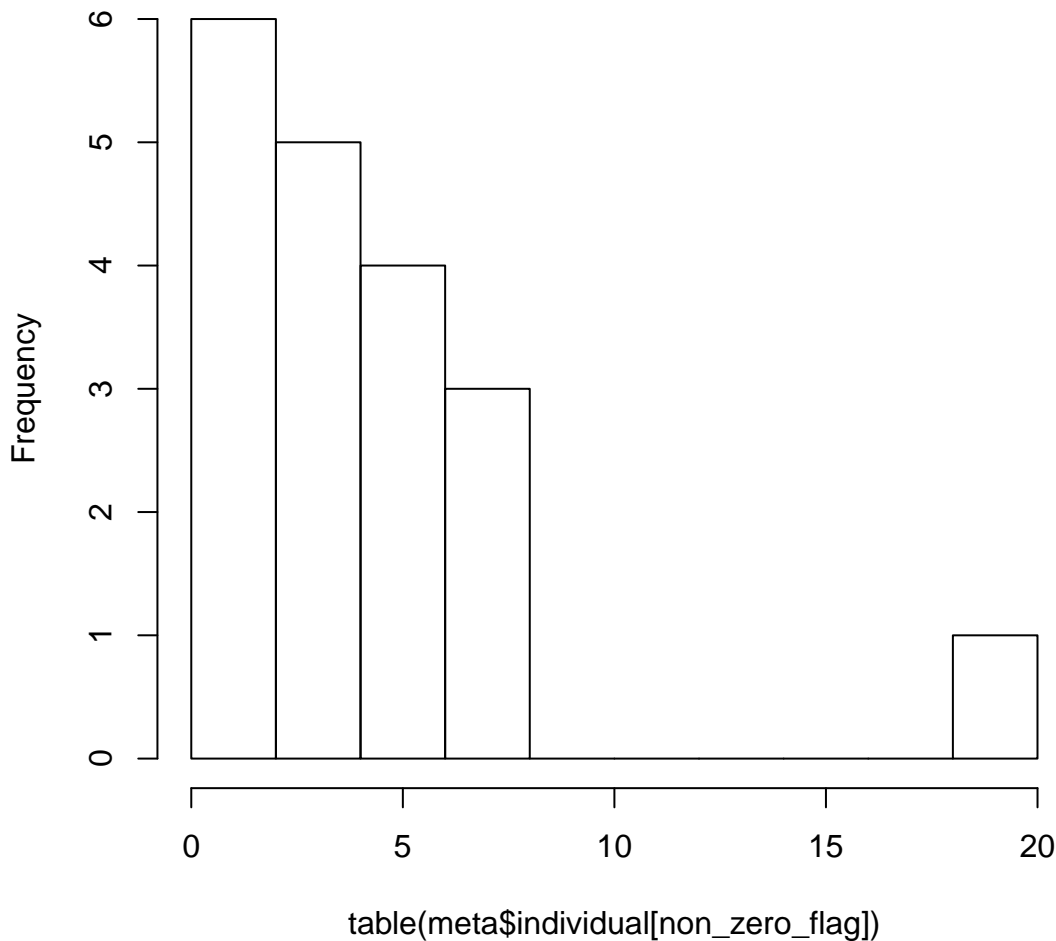
KSless nonsig: individual expression cell count of gene#6



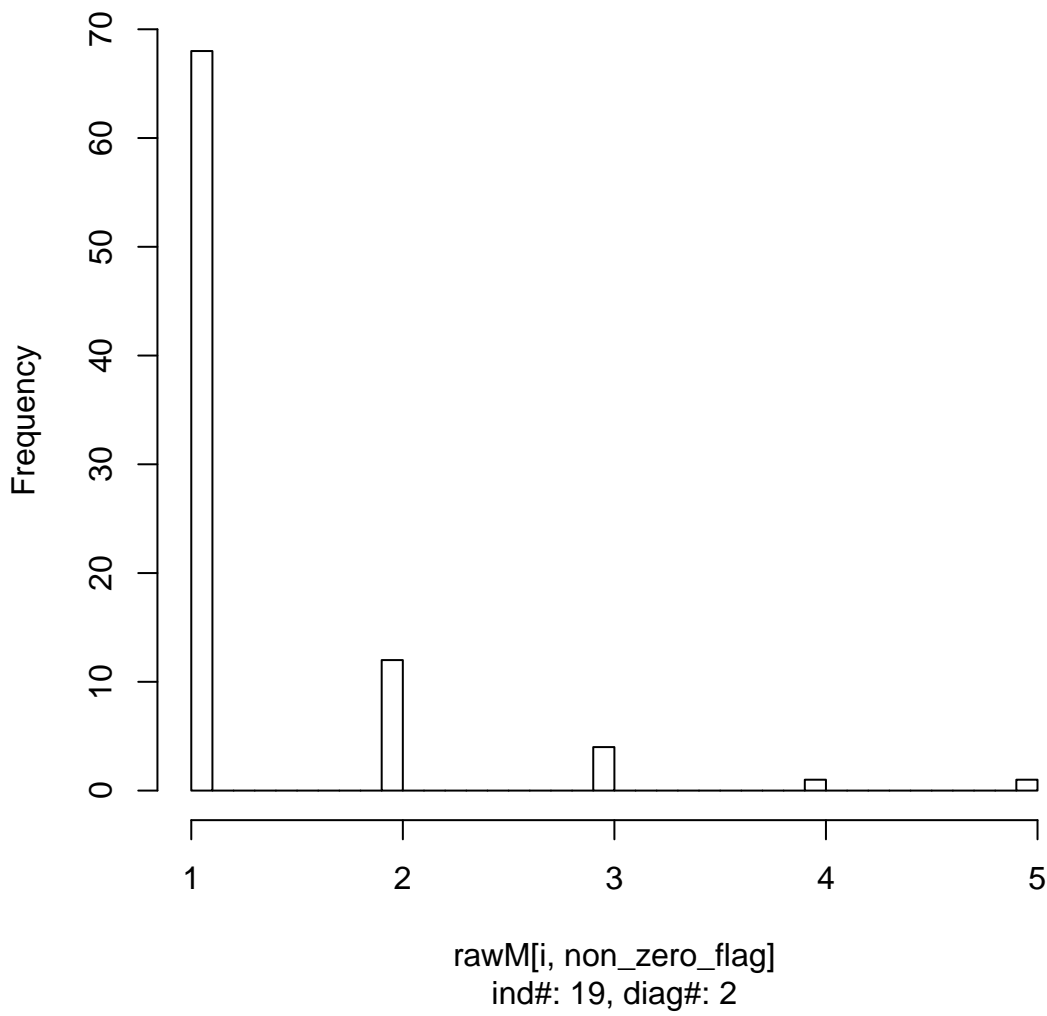
S nonsig: log expression of gene#9, pval ob=0.2909, non-zero nu



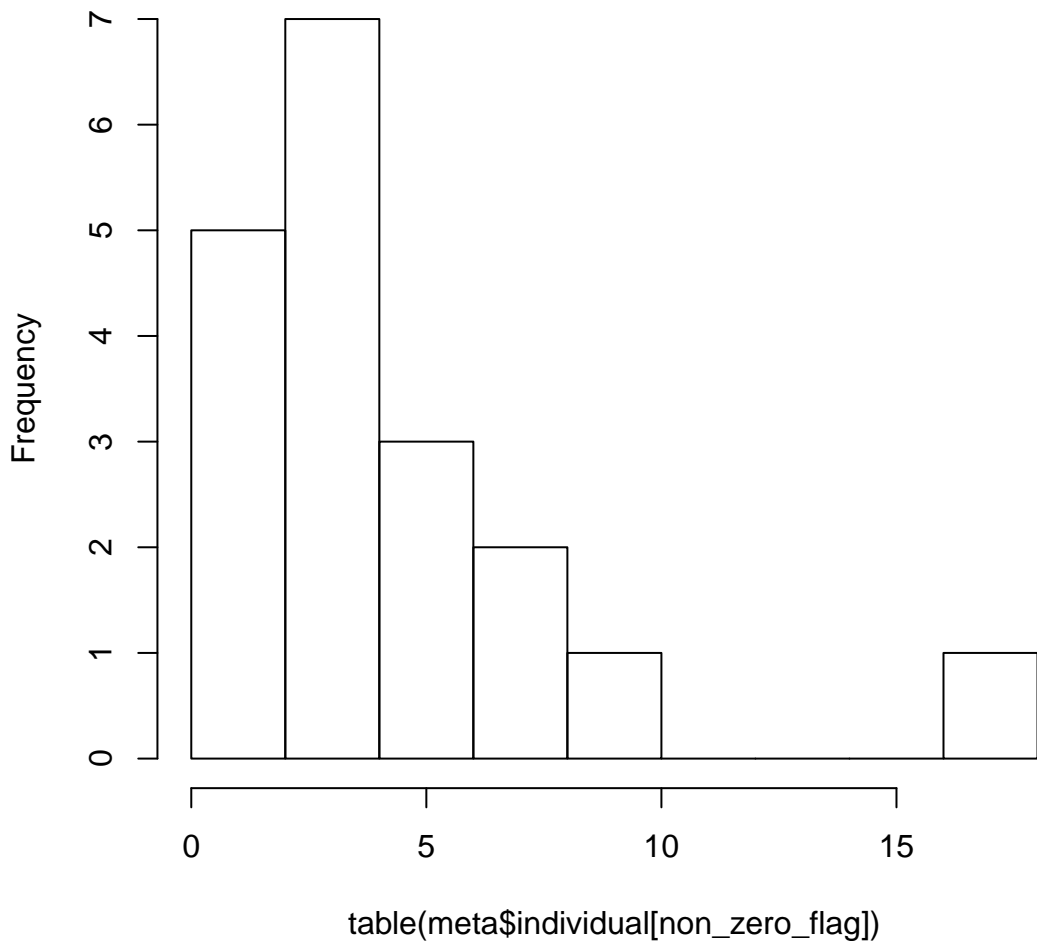
KSless nonsig: individual expression cell count of gene#9



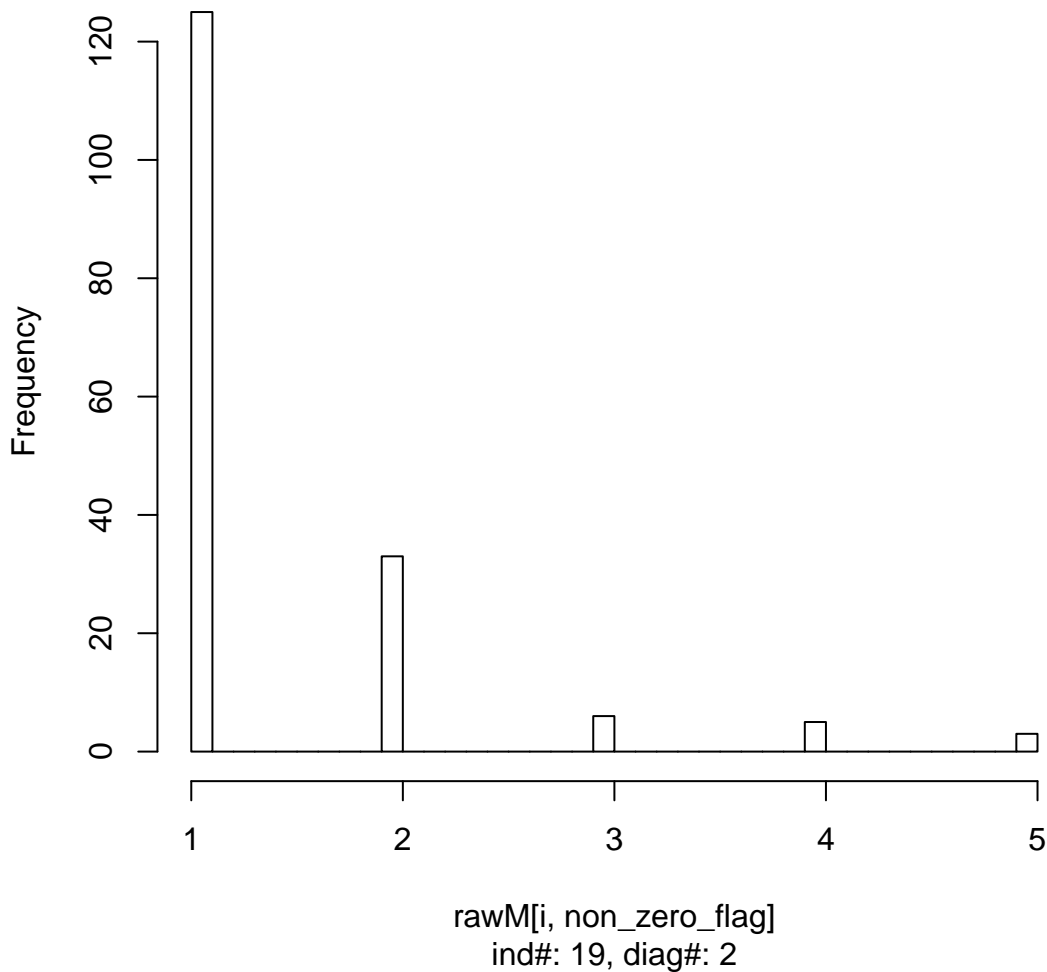
S nonsig: log expression of gene#11, pval ob=0.4565, non-zero n



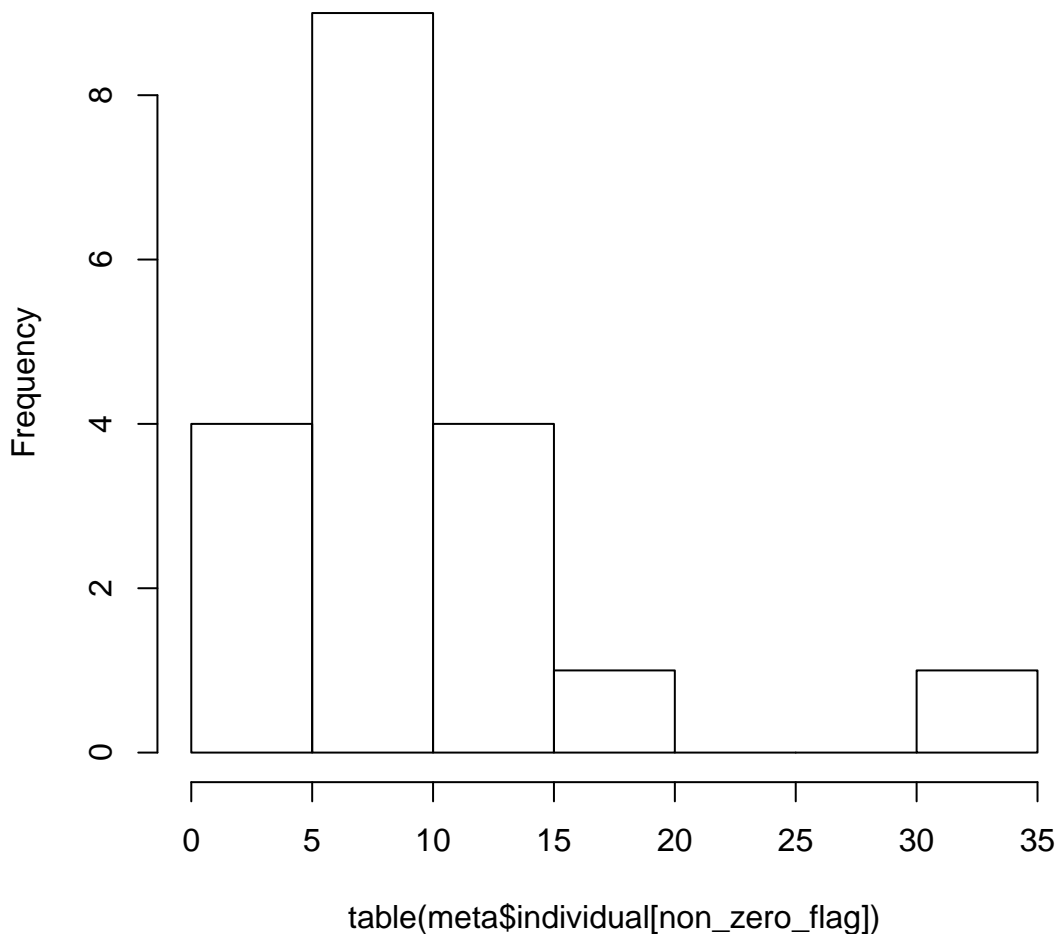
KSless nonsig: individual expression cell count of gene#11



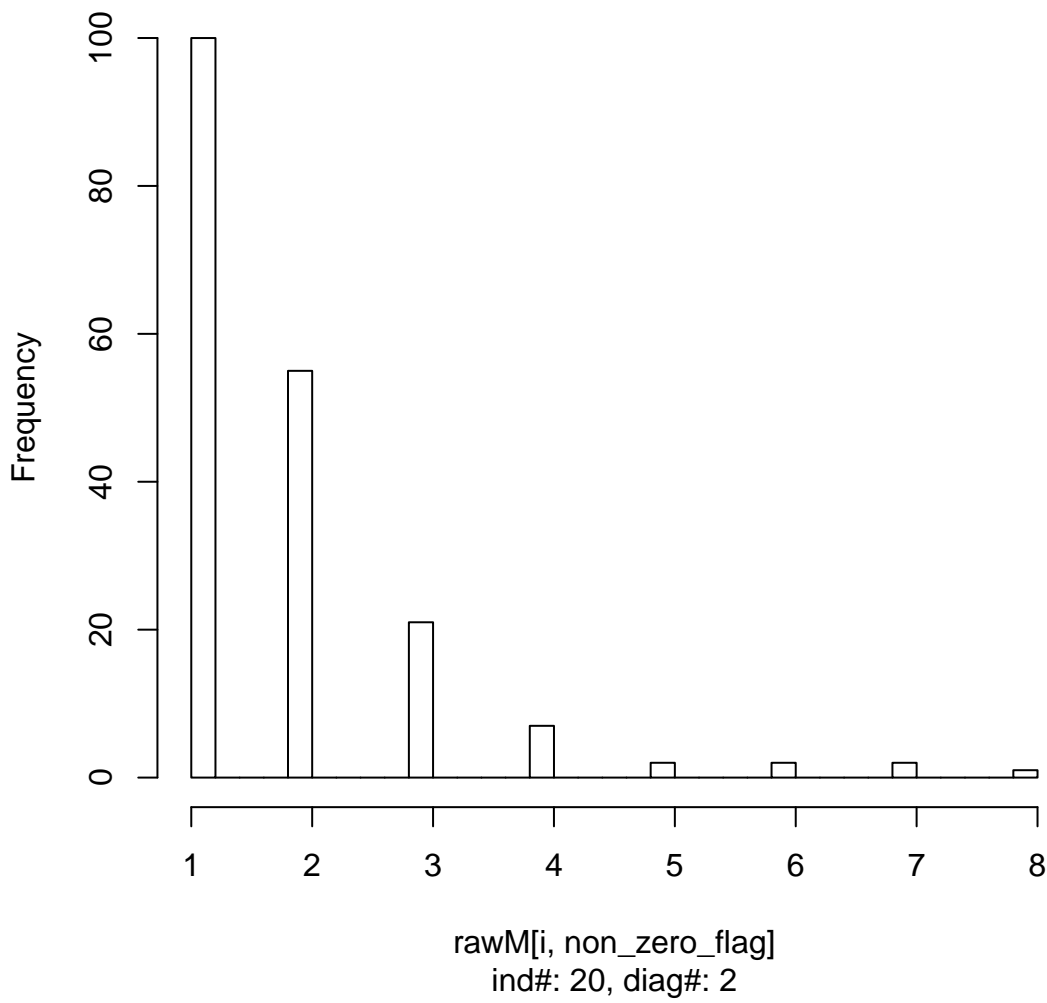
S nonsig: log expression of gene#18, pval ob=0.776, non-zero num



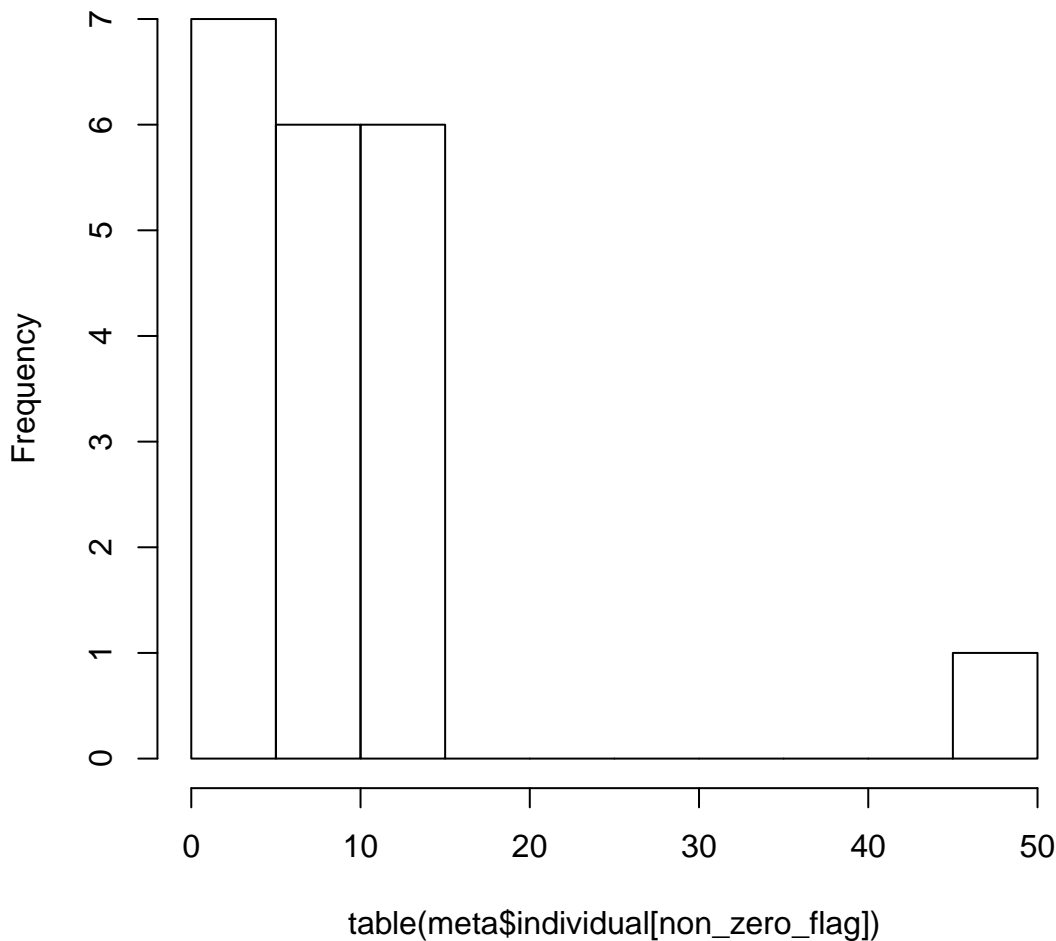
KSless nonsig: individual expression cell count of gene#18



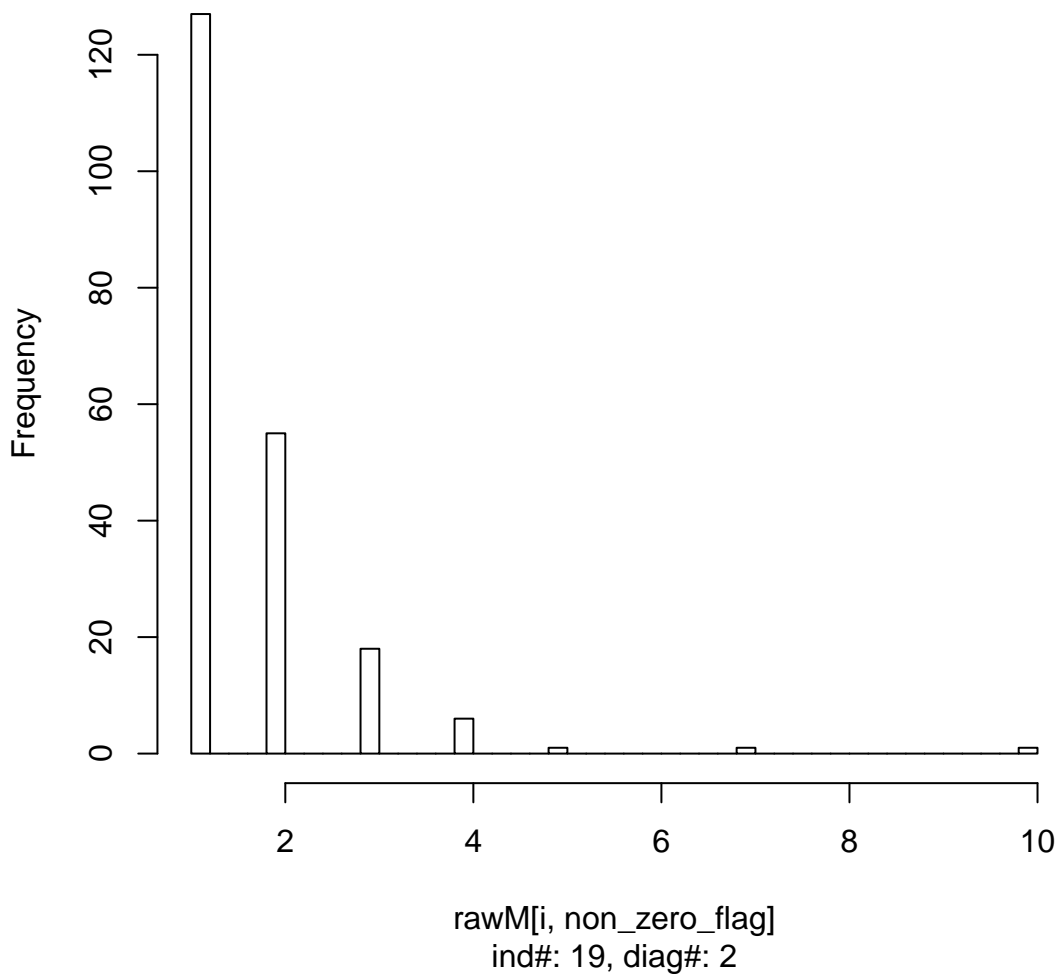
nsig: log expression of gene#27, pval ob=0.7048, non-zero nu



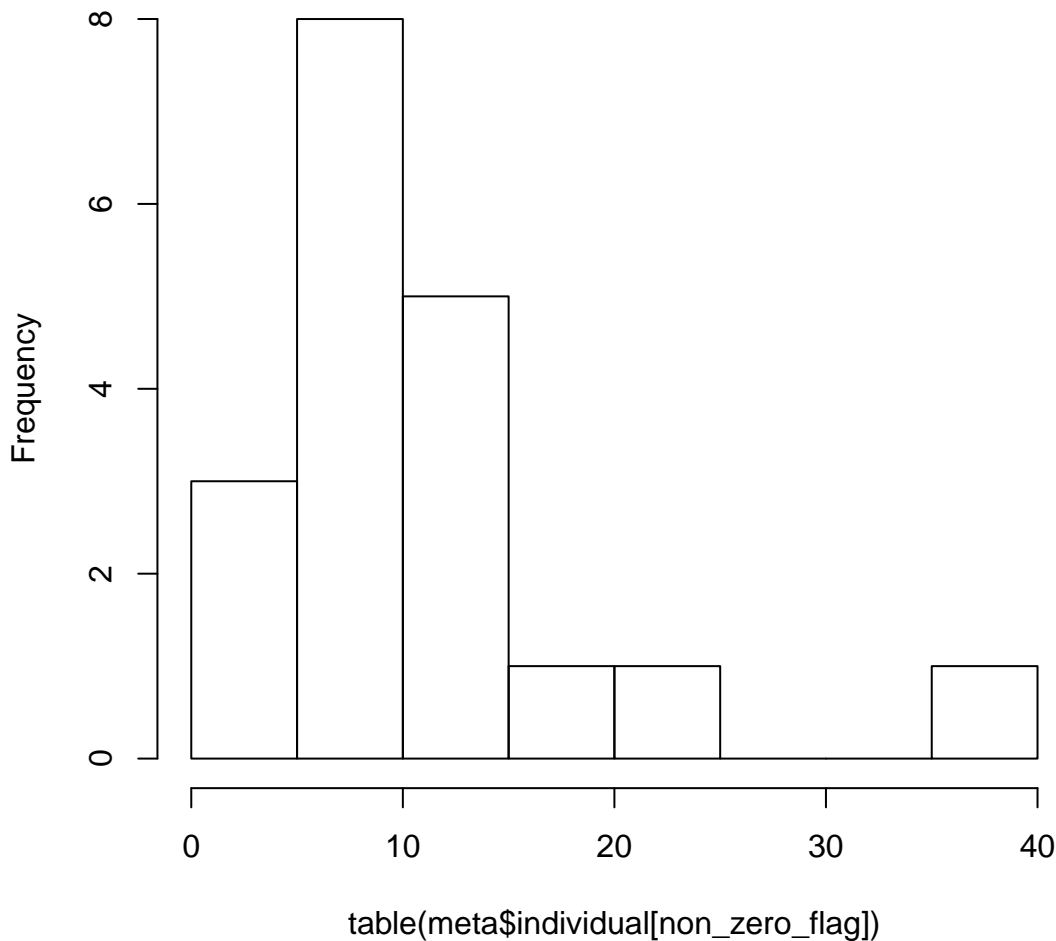
KSless nonsig: individual expression cell count of gene#27



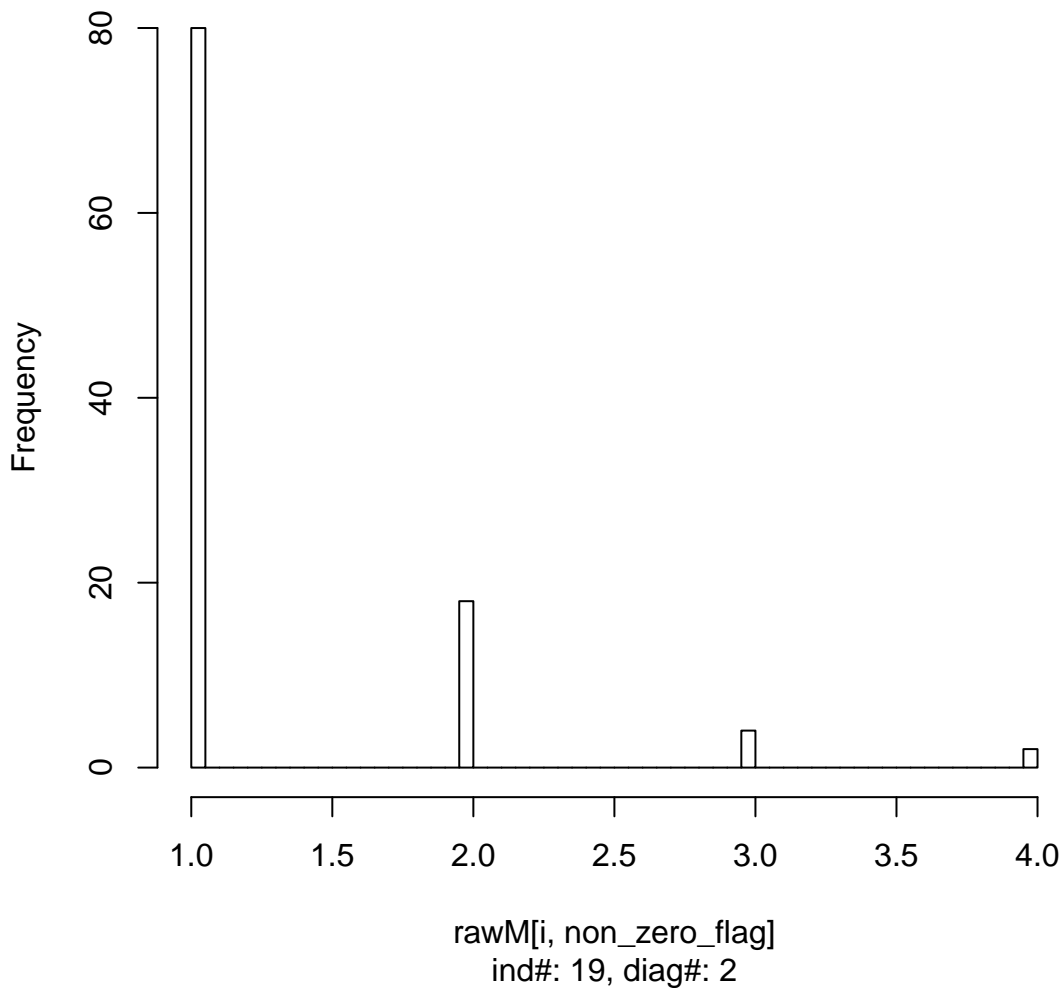
ns nonsig: log expression of gene#28, pval ob=0.8261, non-zero nu



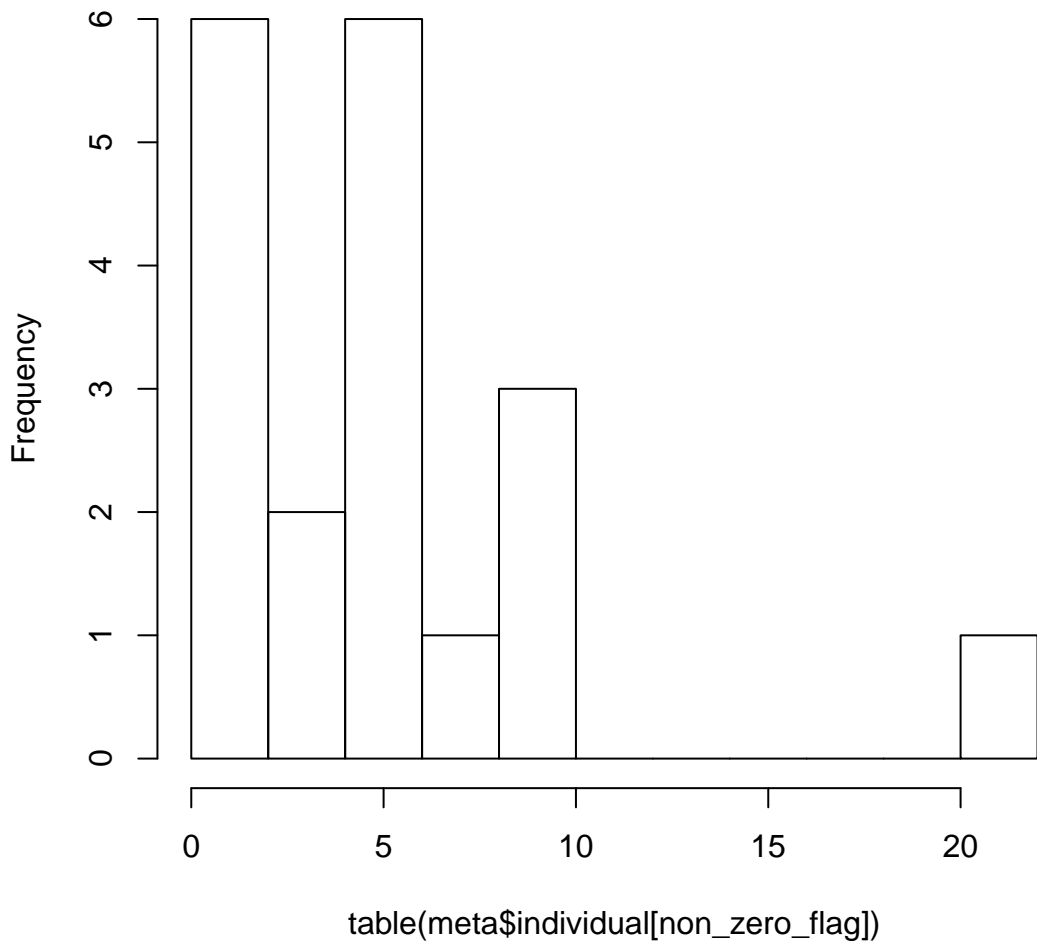
KSless nonsig: individual expression cell count of gene#28



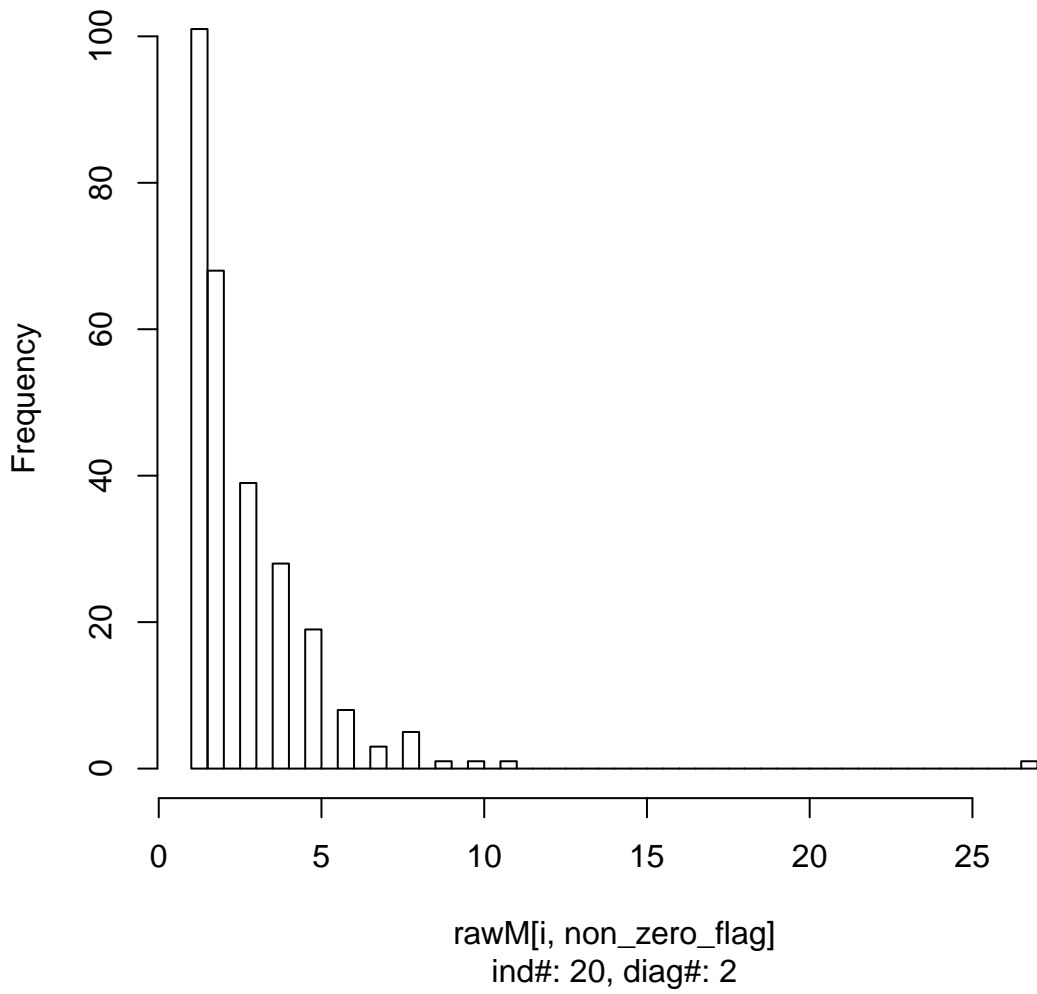
nsig: log expression of gene#29, pval ob=0.2843, non-zero nu



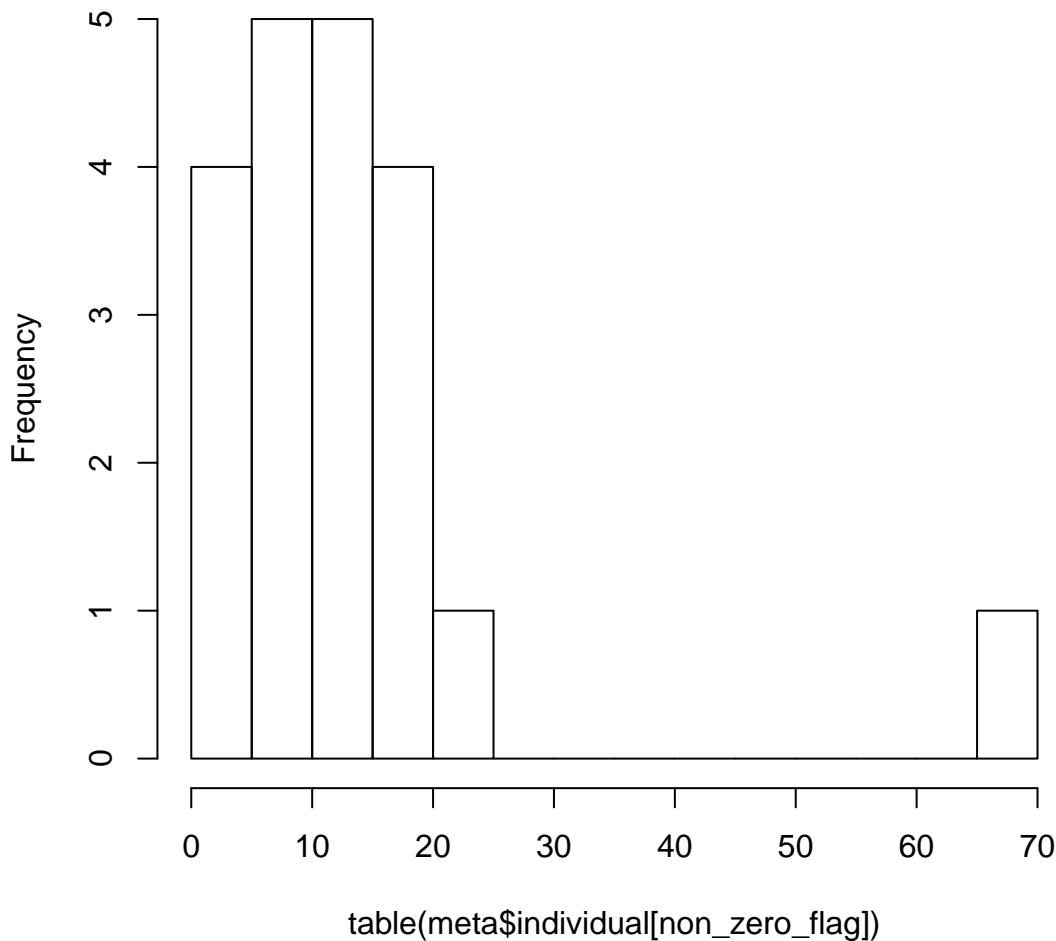
KSless nonsig: individual expression cell count of gene#29



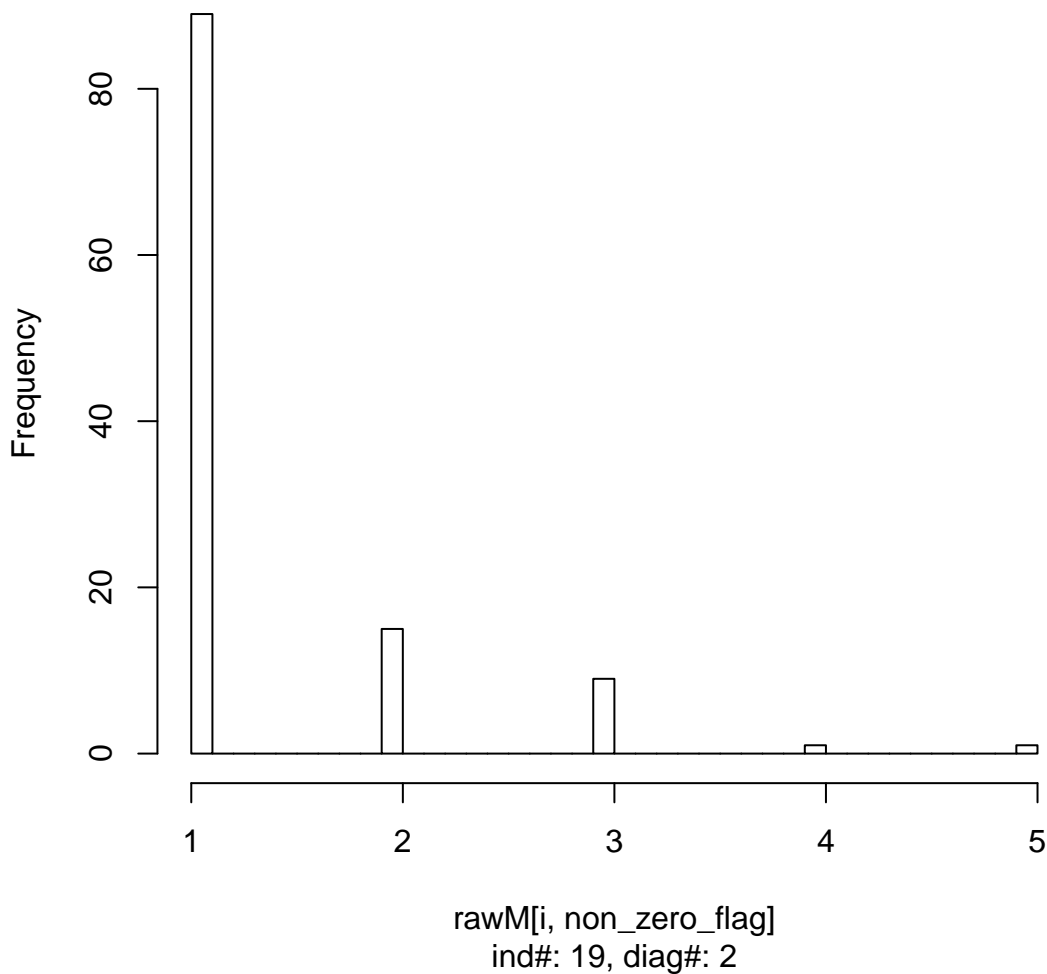
nsig: log expression of gene#32, pval ob=0.2016, non-zero nu



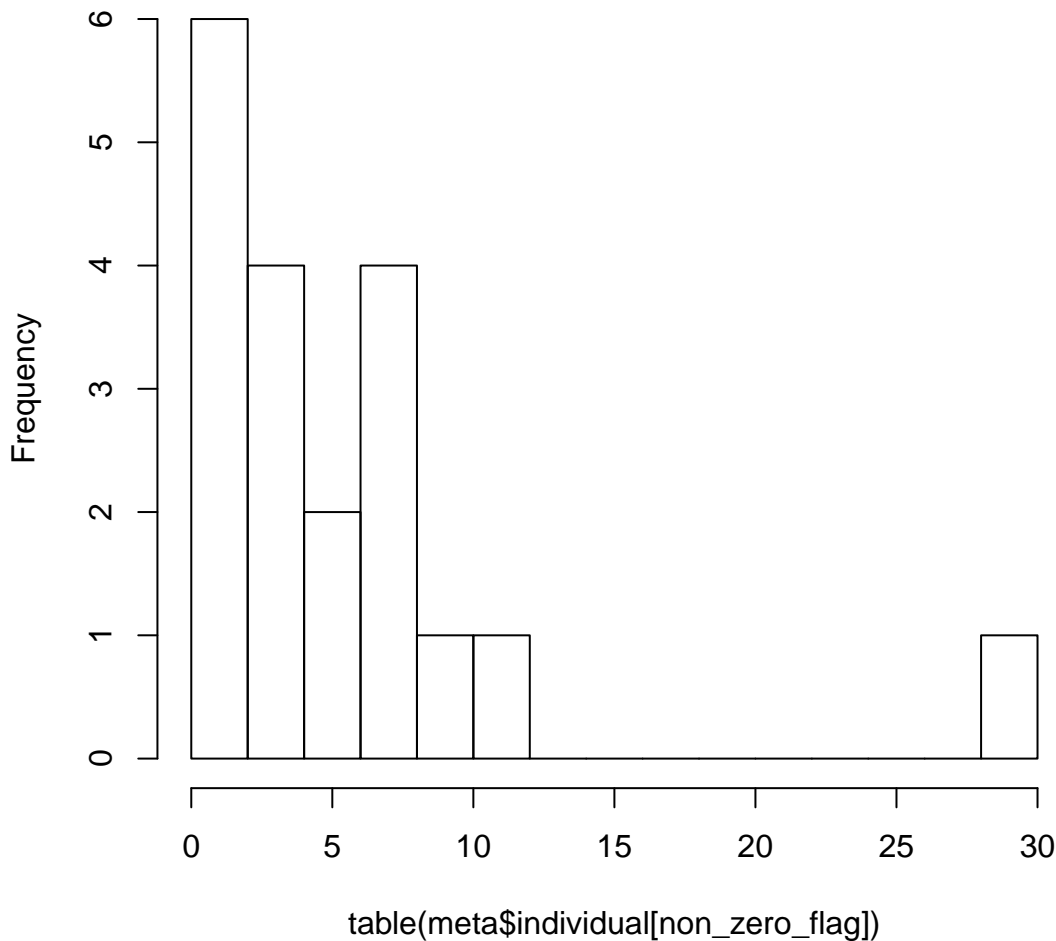
KSless nonsig: individual expression cell count of gene#32



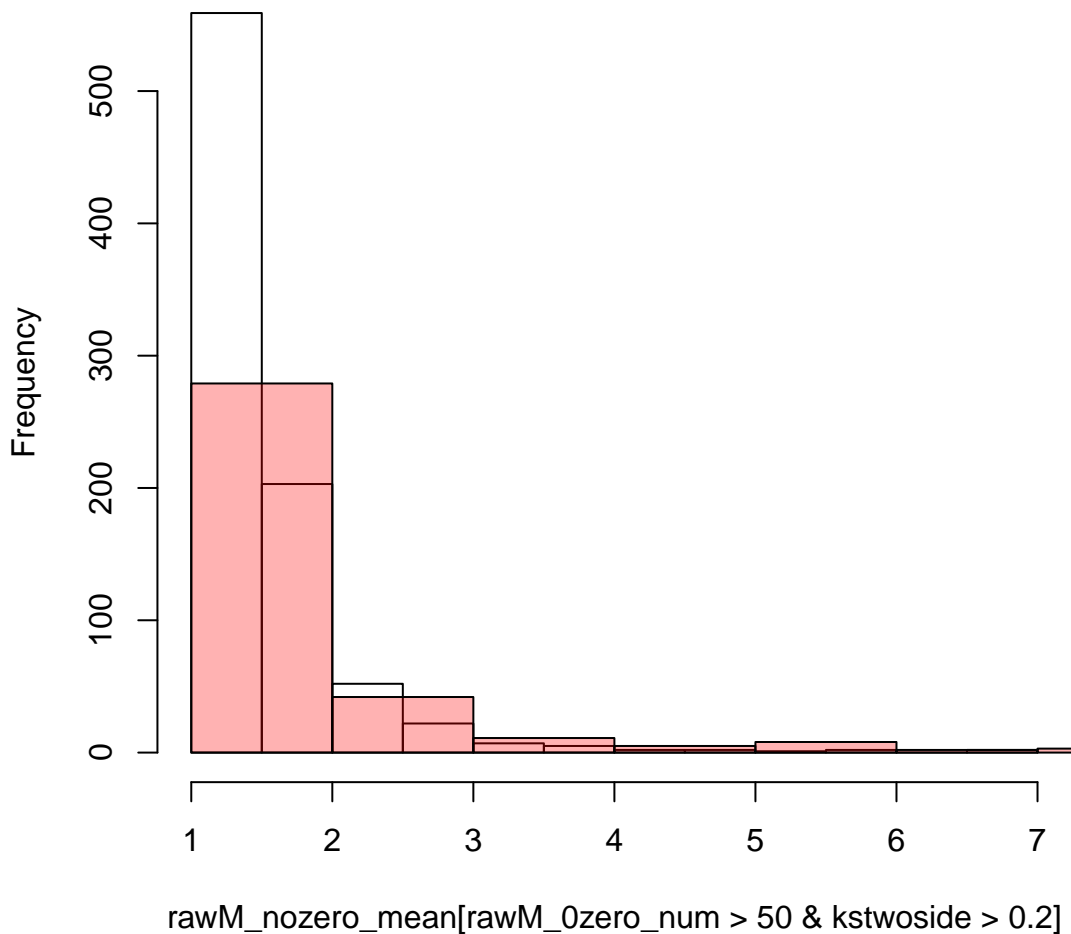
ns nonsig: log expression of gene#35, pval ob=0.3288, non-zero nu



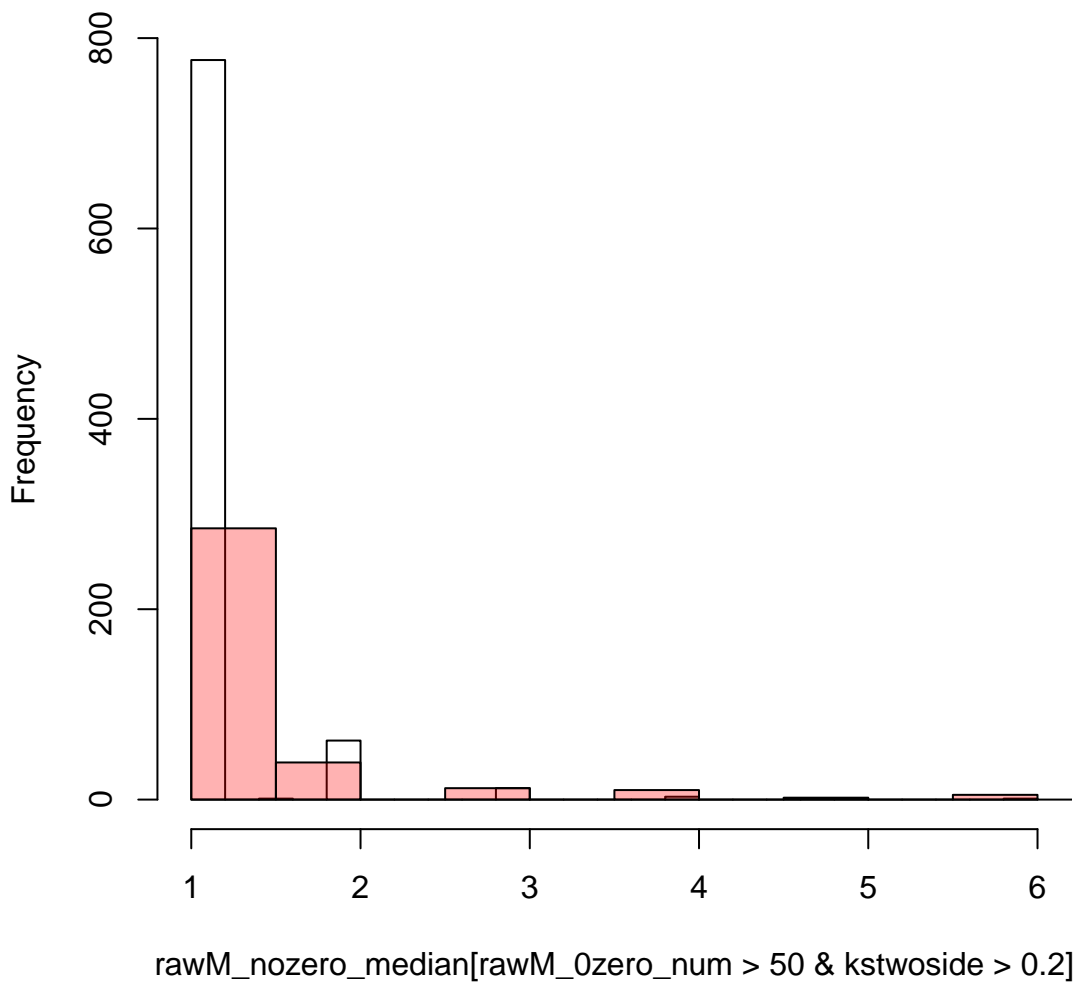
KSless nonsig: individual expression cell count of gene#35



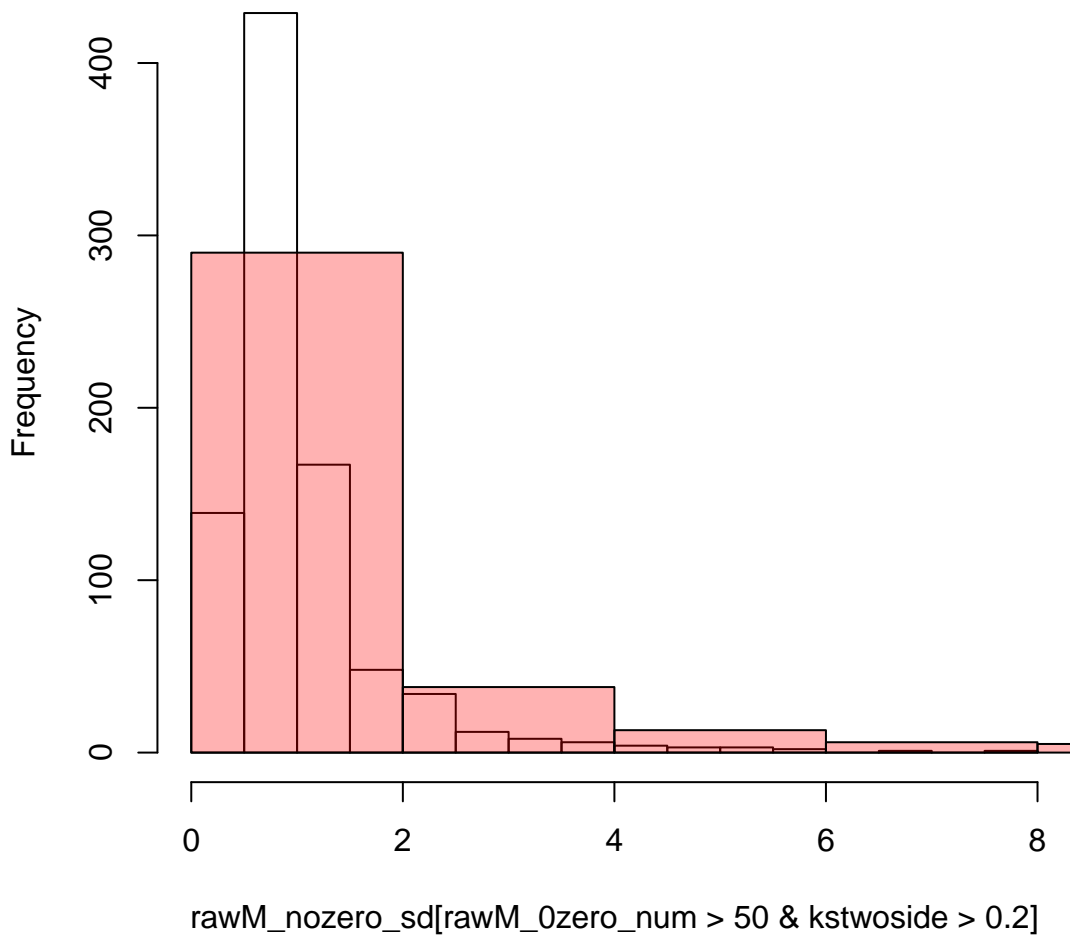
Histogram of rawM_nozero_mean[rawM_0zero_num > 50 & kstwosid



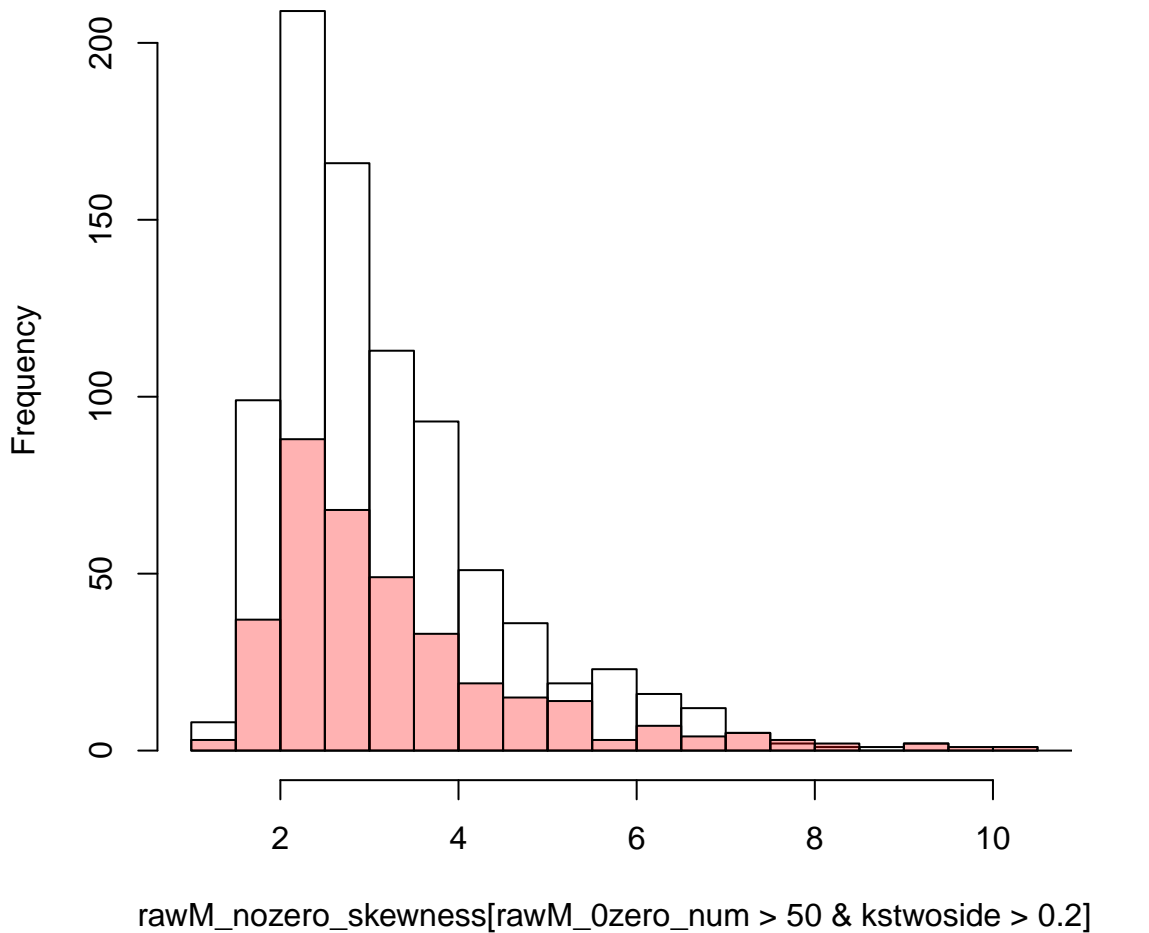
ogram of rawM_nozero_median[rawM_0zero_num > 50 & kstwosi



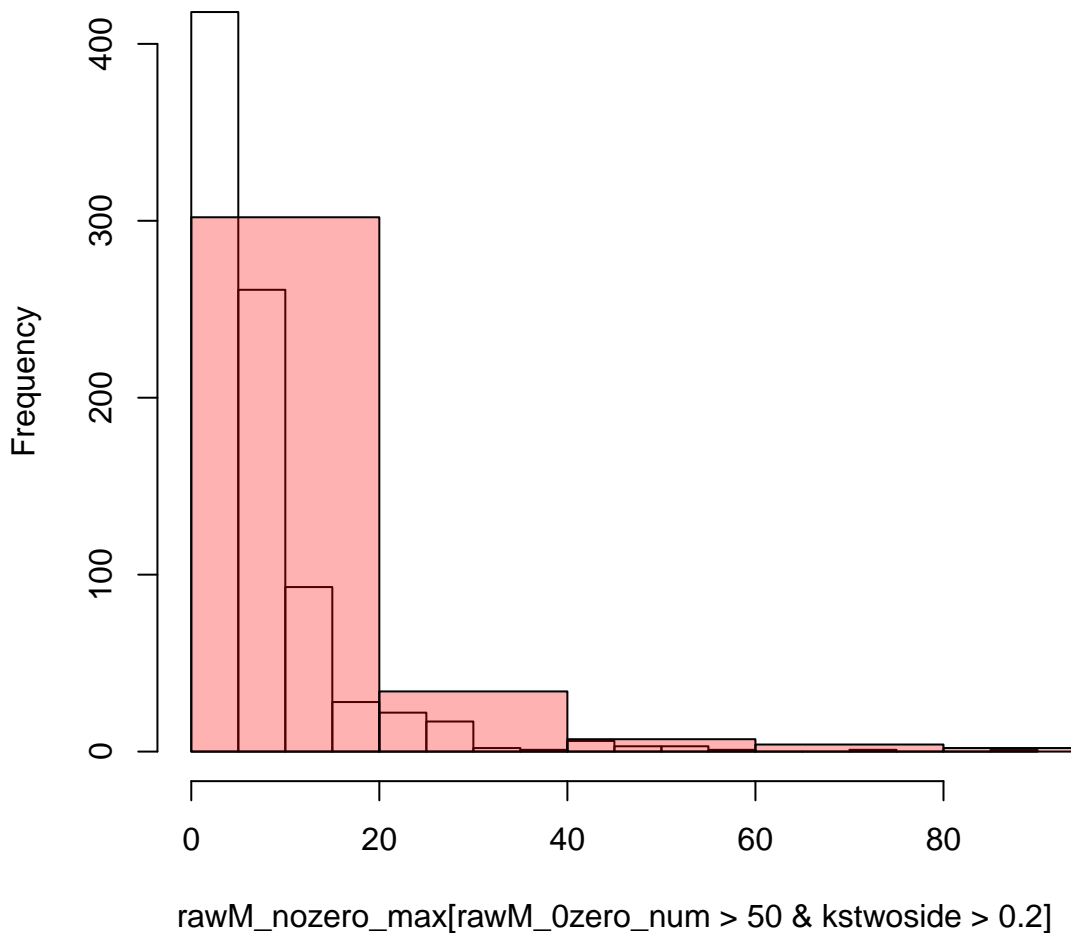
histogram of rawM_nozero_sd[rawM_0zero_num > 50 & kstwsoside



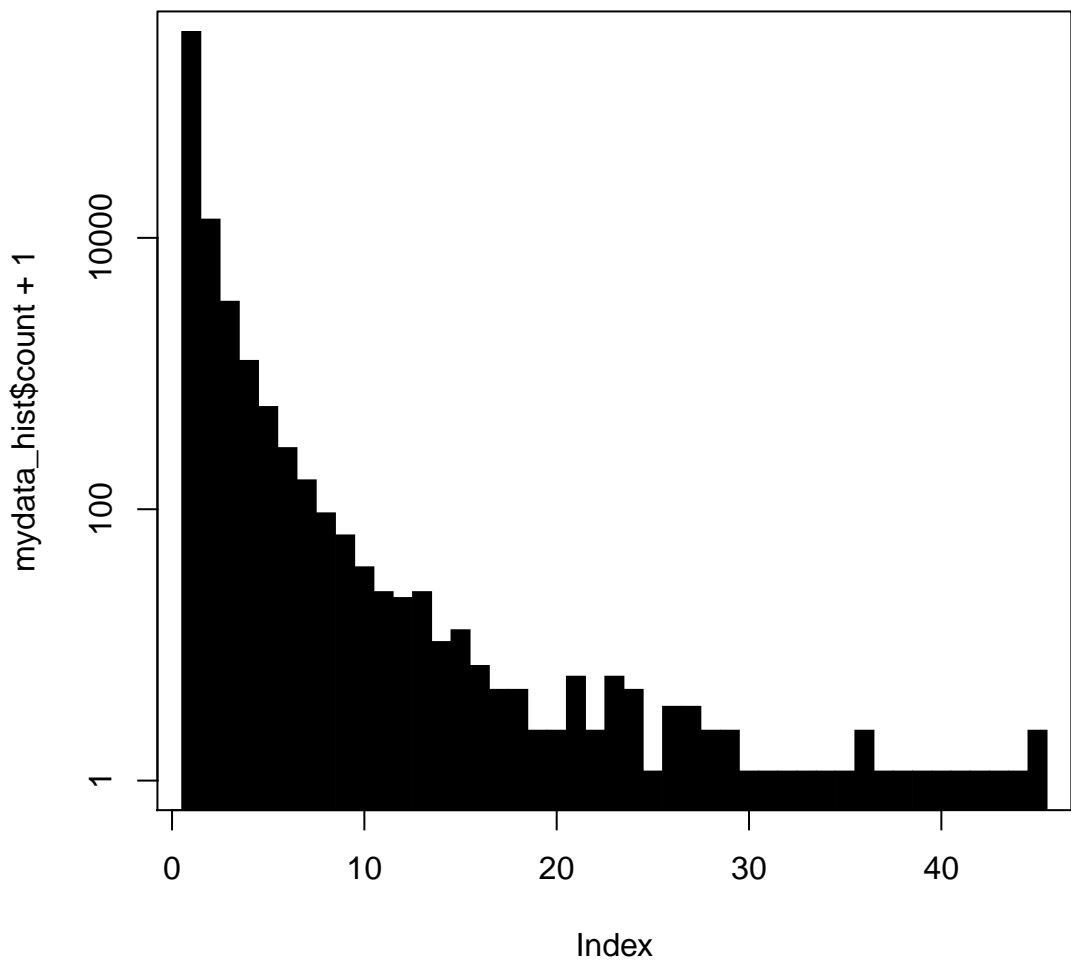
gram of rawM_nozero_skewness[rawM_0zero_num > 50 & kstws



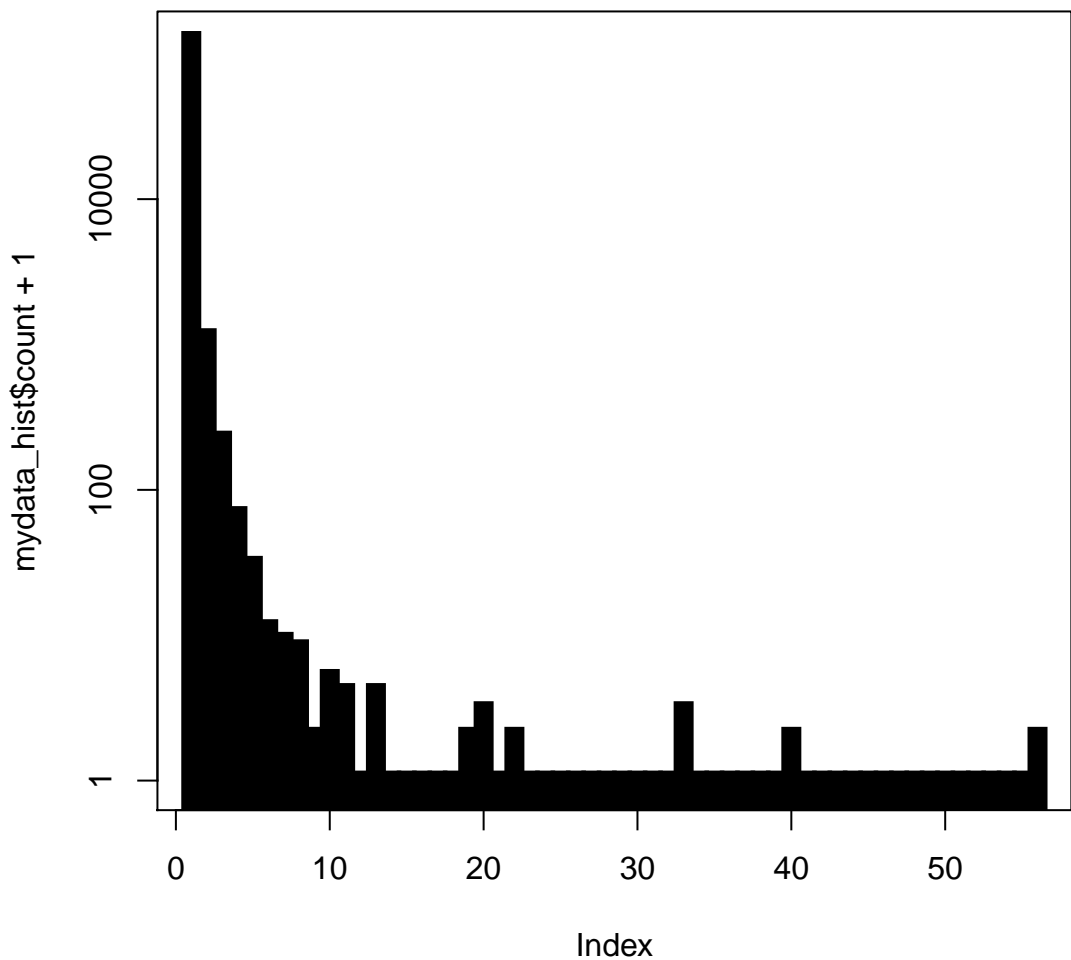
Histogram of rawM_nozero_max[rawM_0zero_num > 50 & kstwside



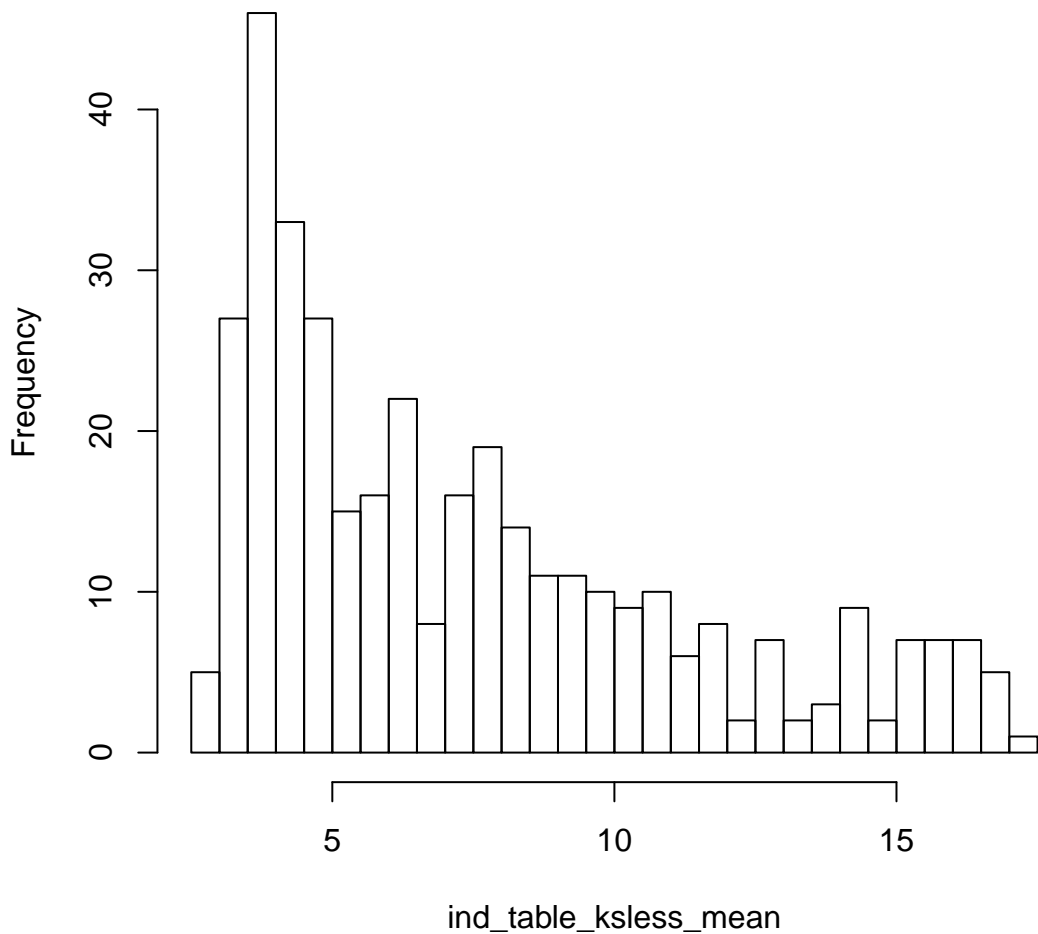
genes $\log(\text{expression} + 1)$ with least 50 cell expression and kstwosi



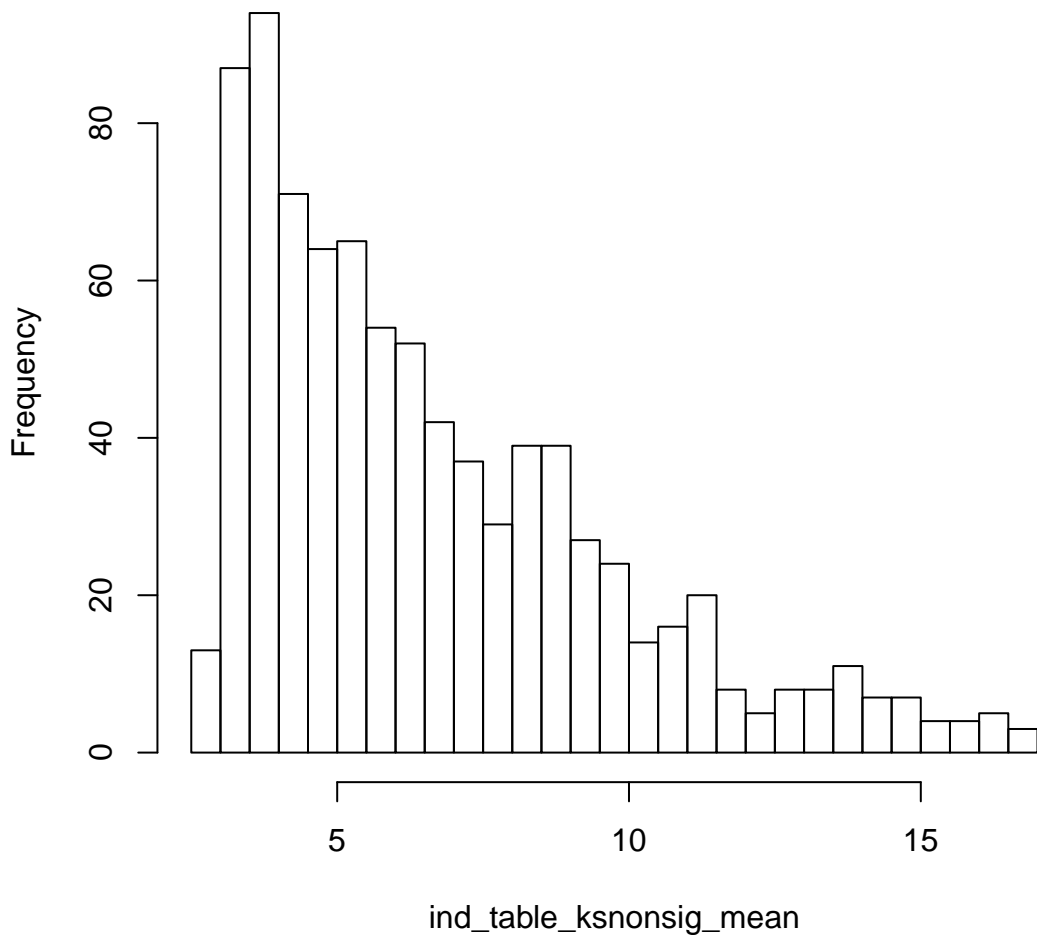
genes $\log(\text{expression} + 1)$ with least 50 cell expression and kstwo



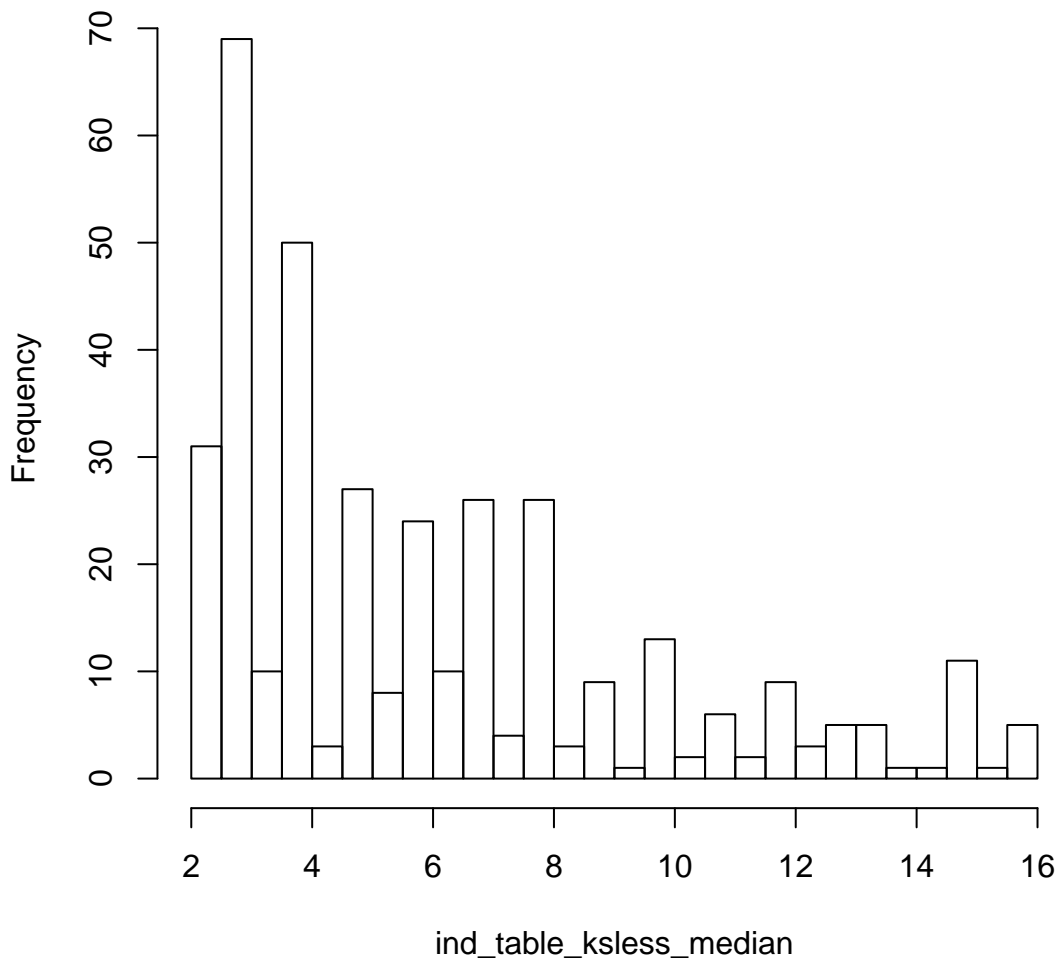
Histogram of ind_table_ksless_mean



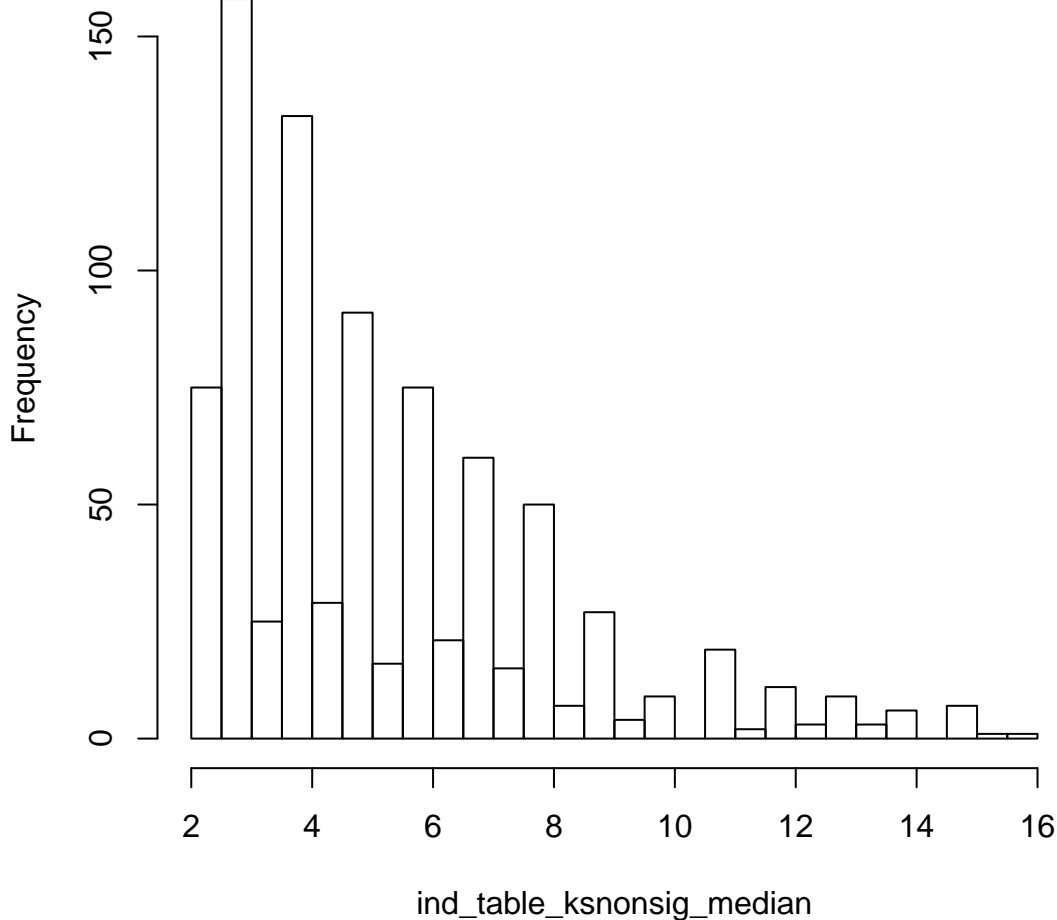
Histogram of ind_table_ksnonsig_mean



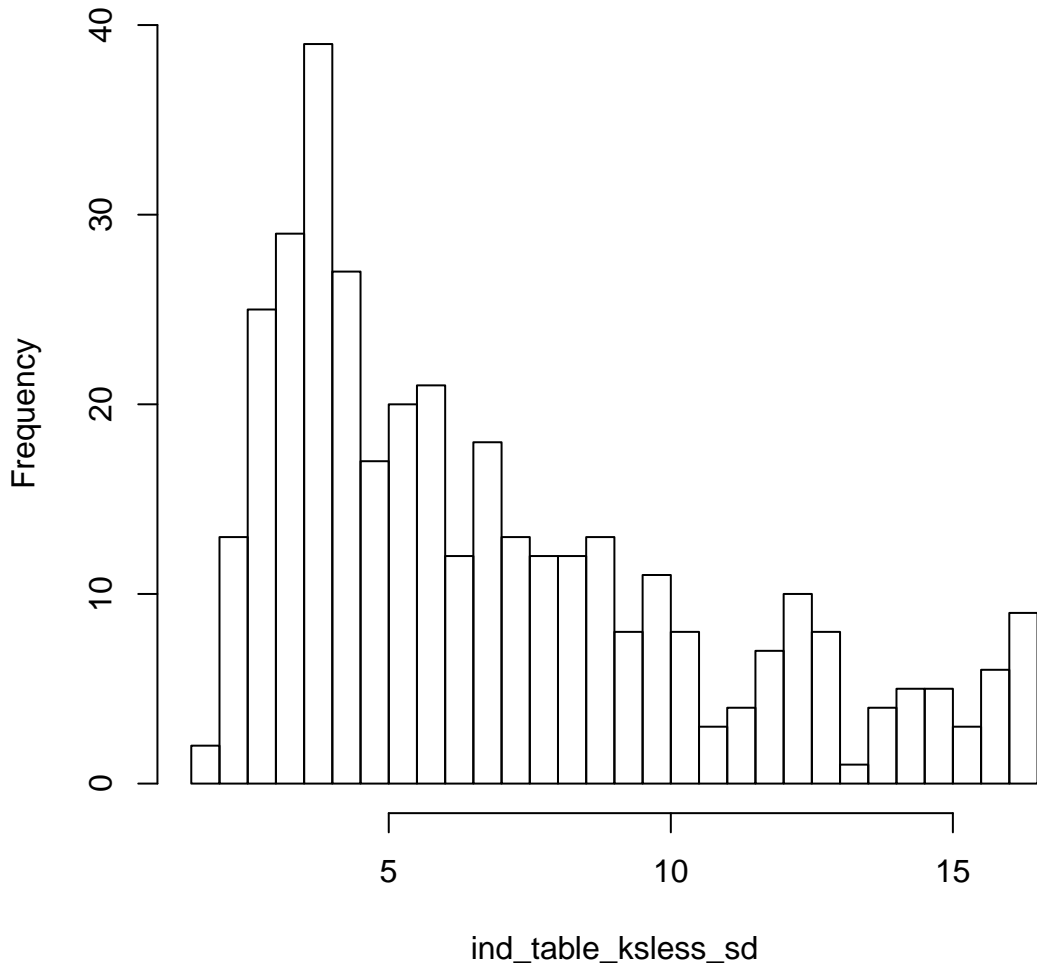
Histogram of ind_table_ksless_median



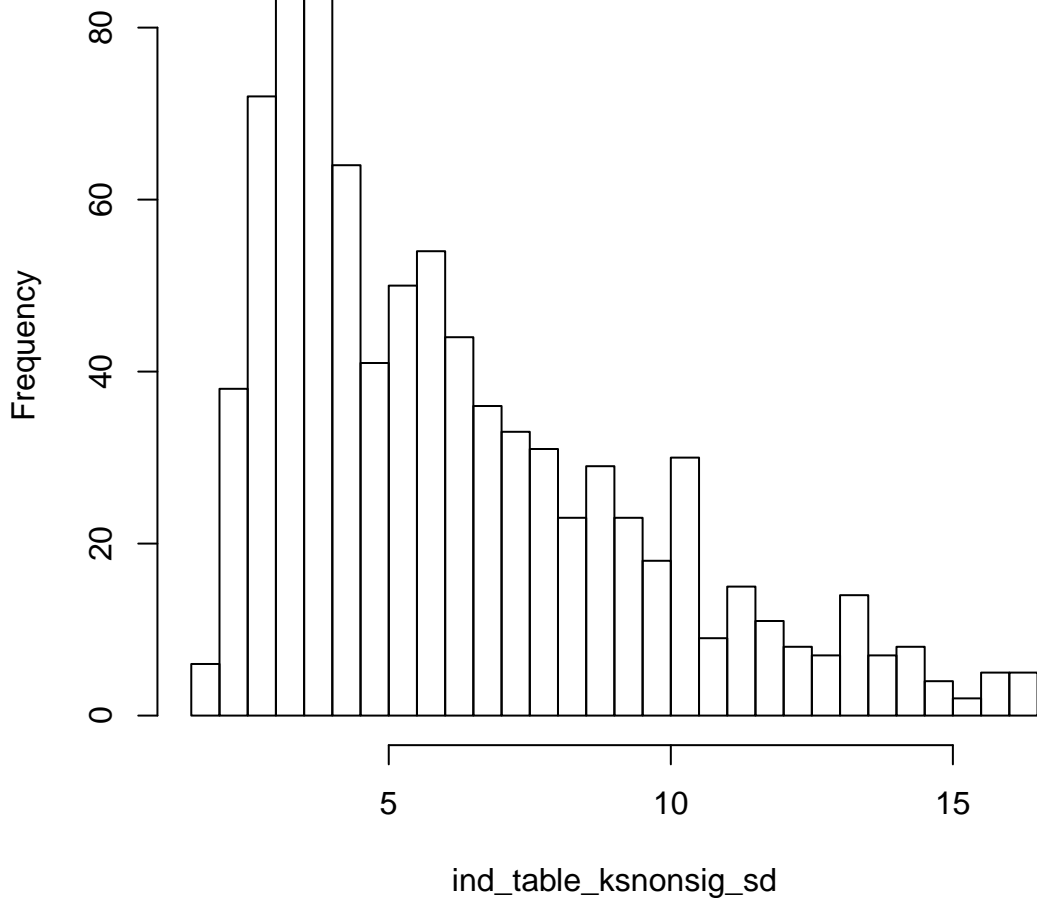
Histogram of ind_table_ksnonsig_median



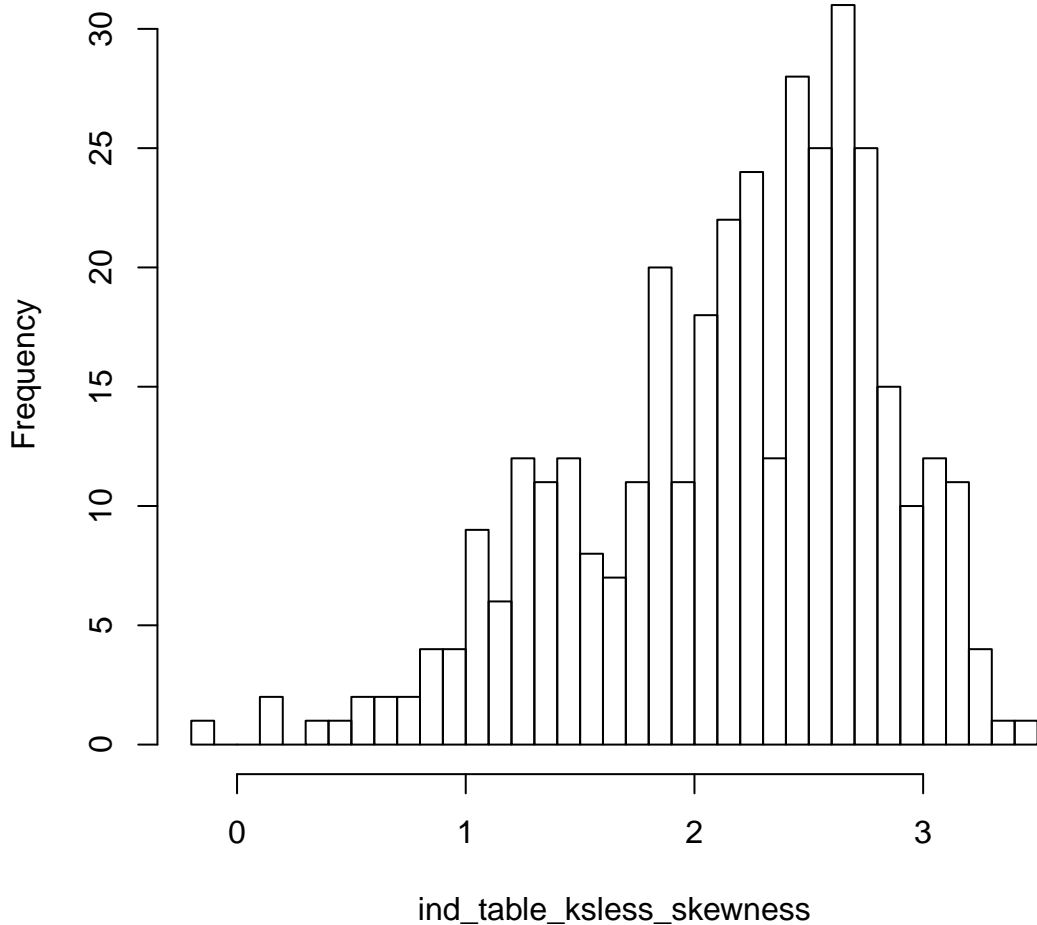
Histogram of ind_table_ksless_sd



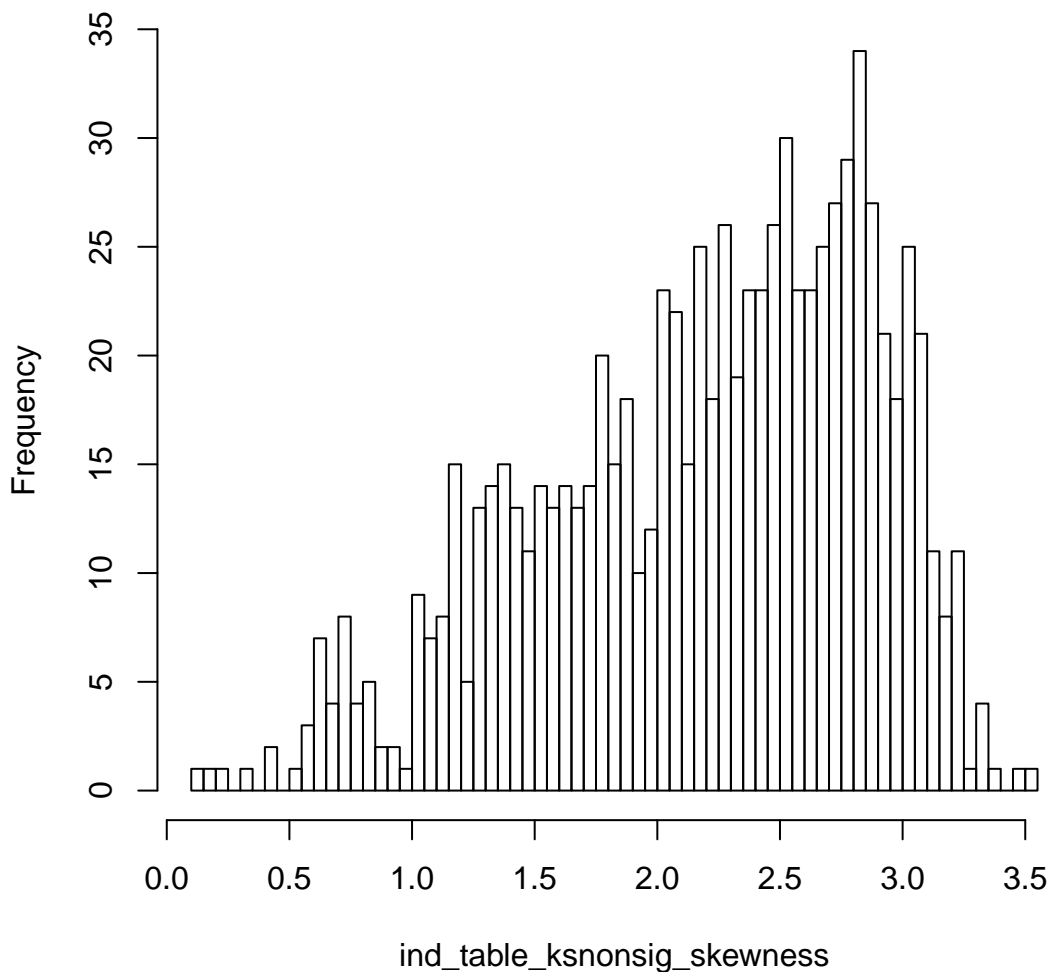
Histogram of ind_table_ksnonsig_sd



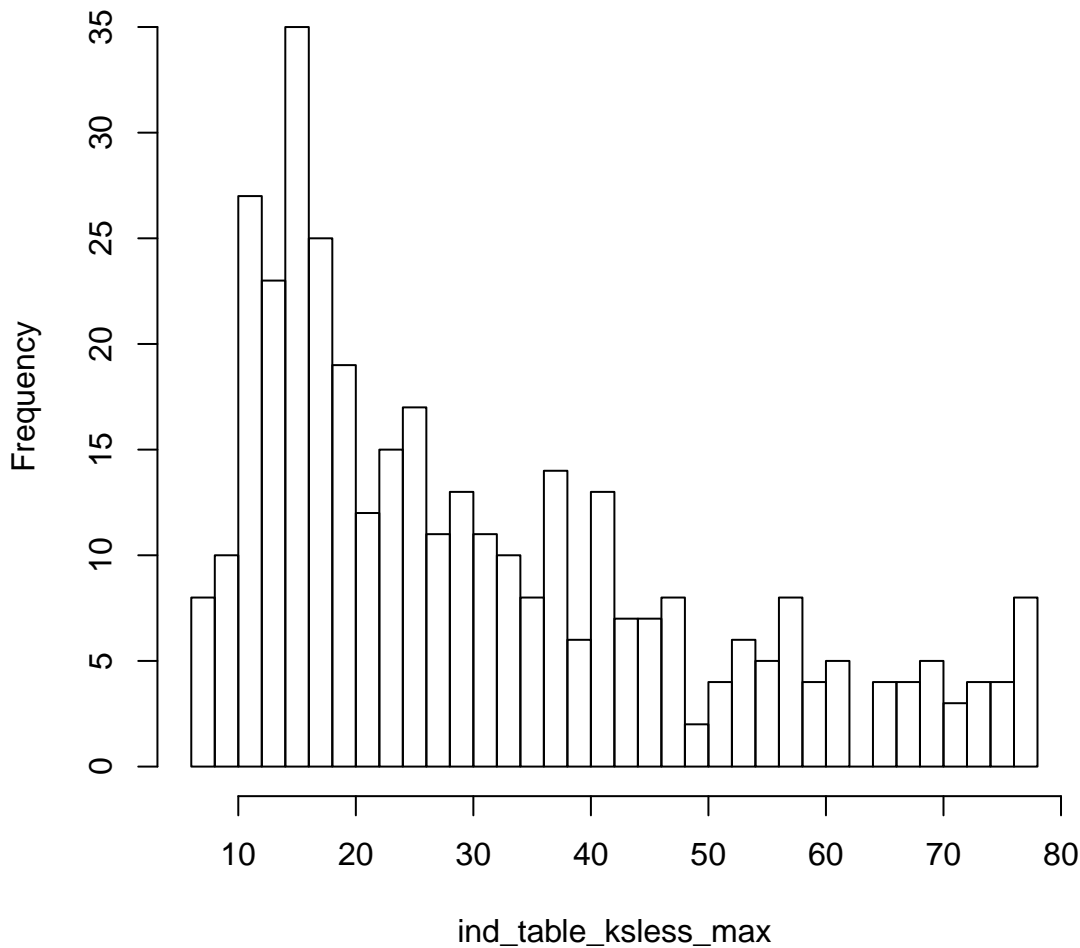
Histogram of ind_table_ksless_skewness



Histogram of ind_table_ksnonsig_skewness



Histogram of ind_table_ksless_max



Histogram of ind_table_ksnonsig_max

