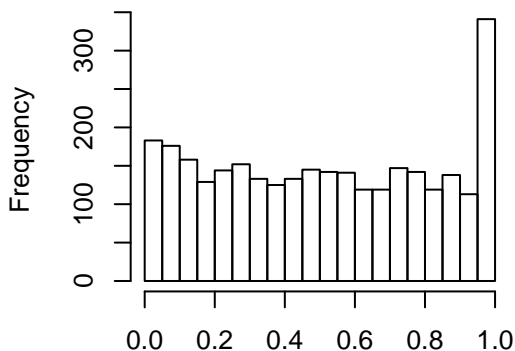
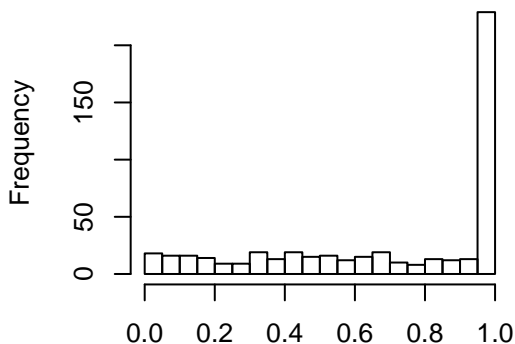


perm pvalues



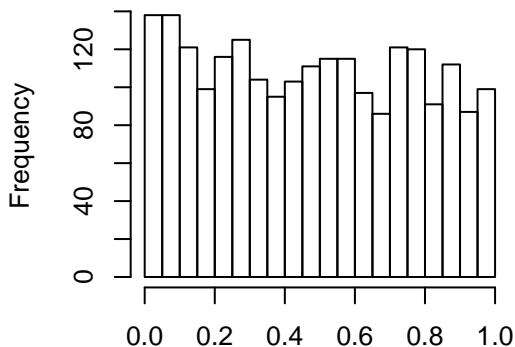
rawp
n=2999

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



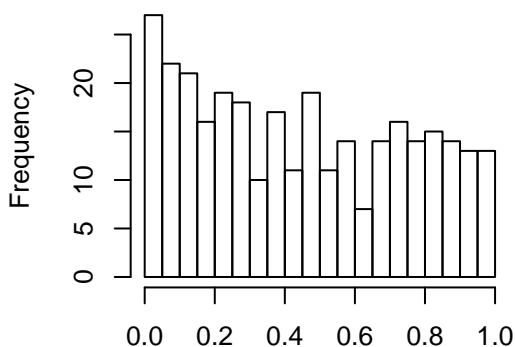
rawp[rawM_0zero_num < max(20, min(rawM_0zero_num, 100))]
n=495, ks_pval=0

perm pvalues,rawM_0zero_num 20–



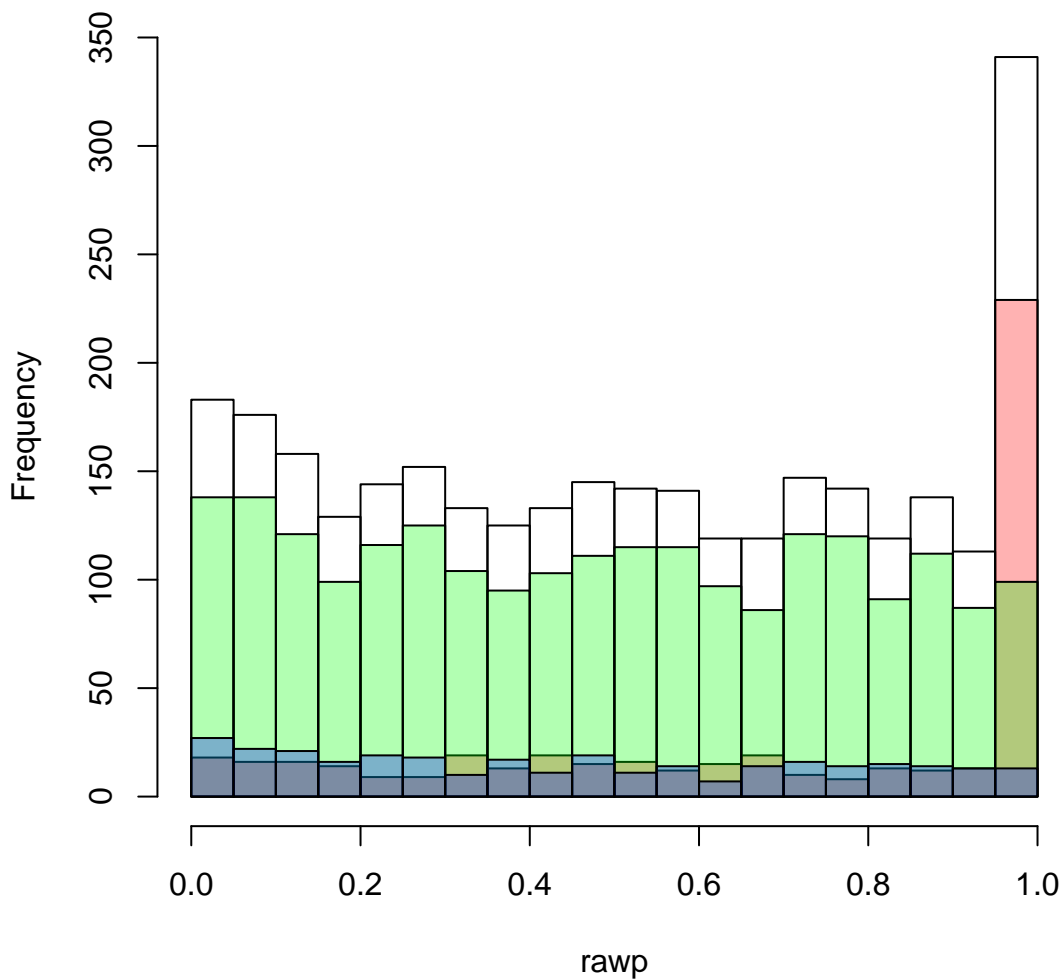
rawp[rawM_0zero_num >= 20 & rawM_0zero_num < 100]
n=2193, ks_pval=0.108025590020677

perm pvalues,rawM_0zero_num>=100

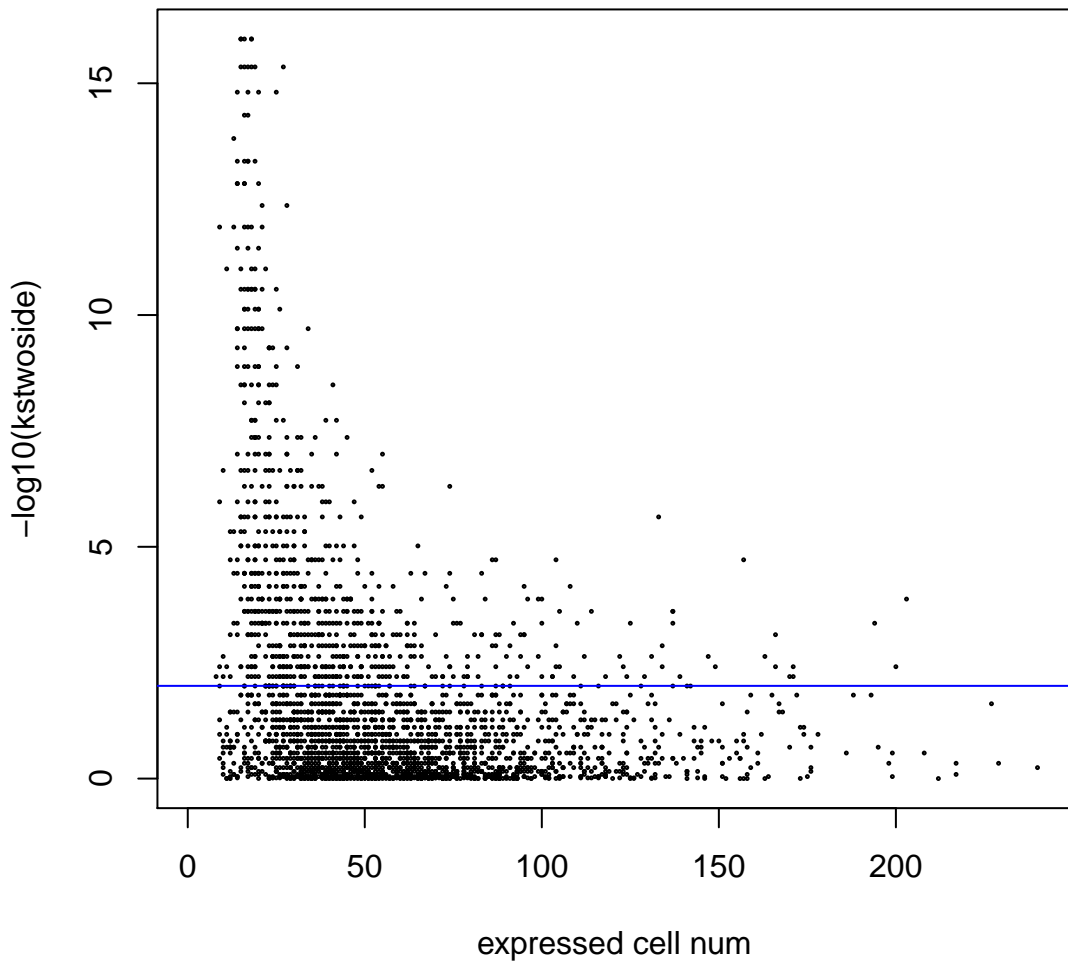


rawp[rawM_0zero_num >= 100]
n=311, ks_pval=0.090992410446865

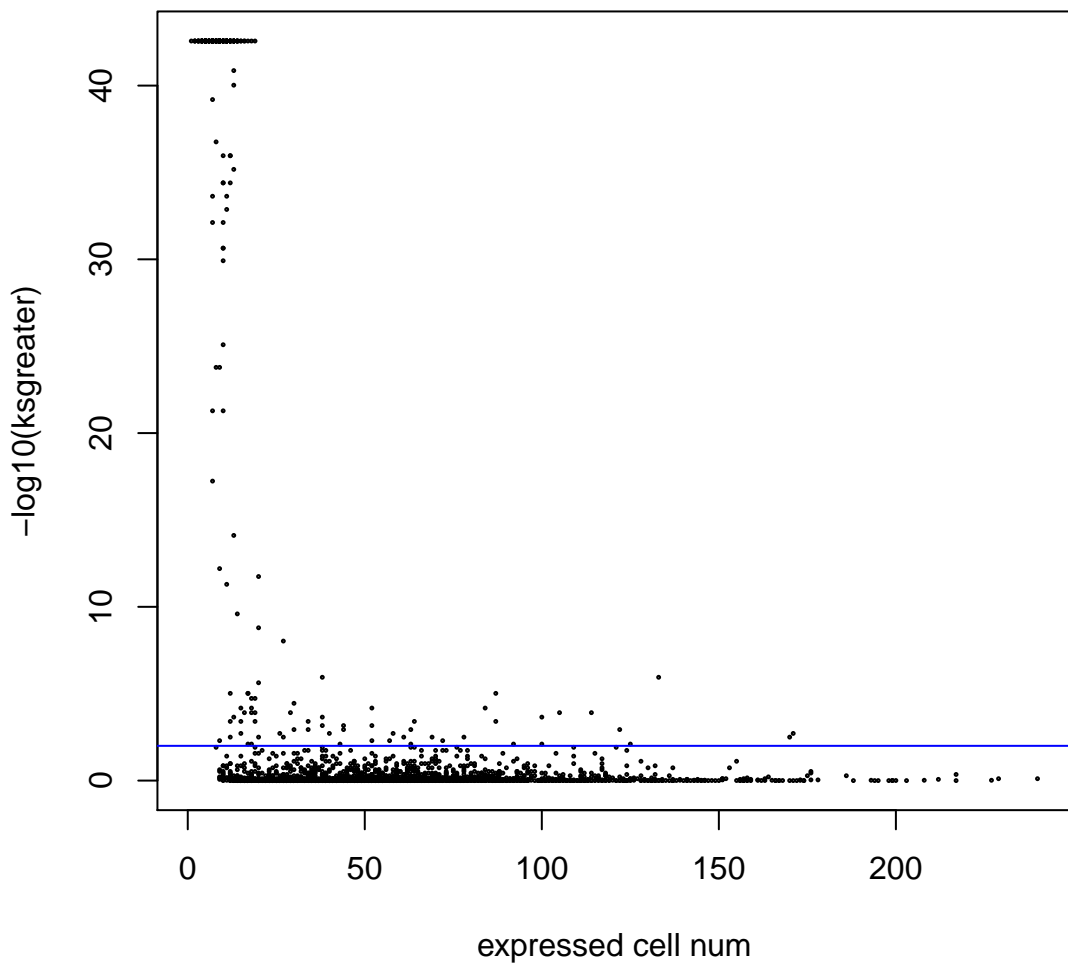
perm pvalues



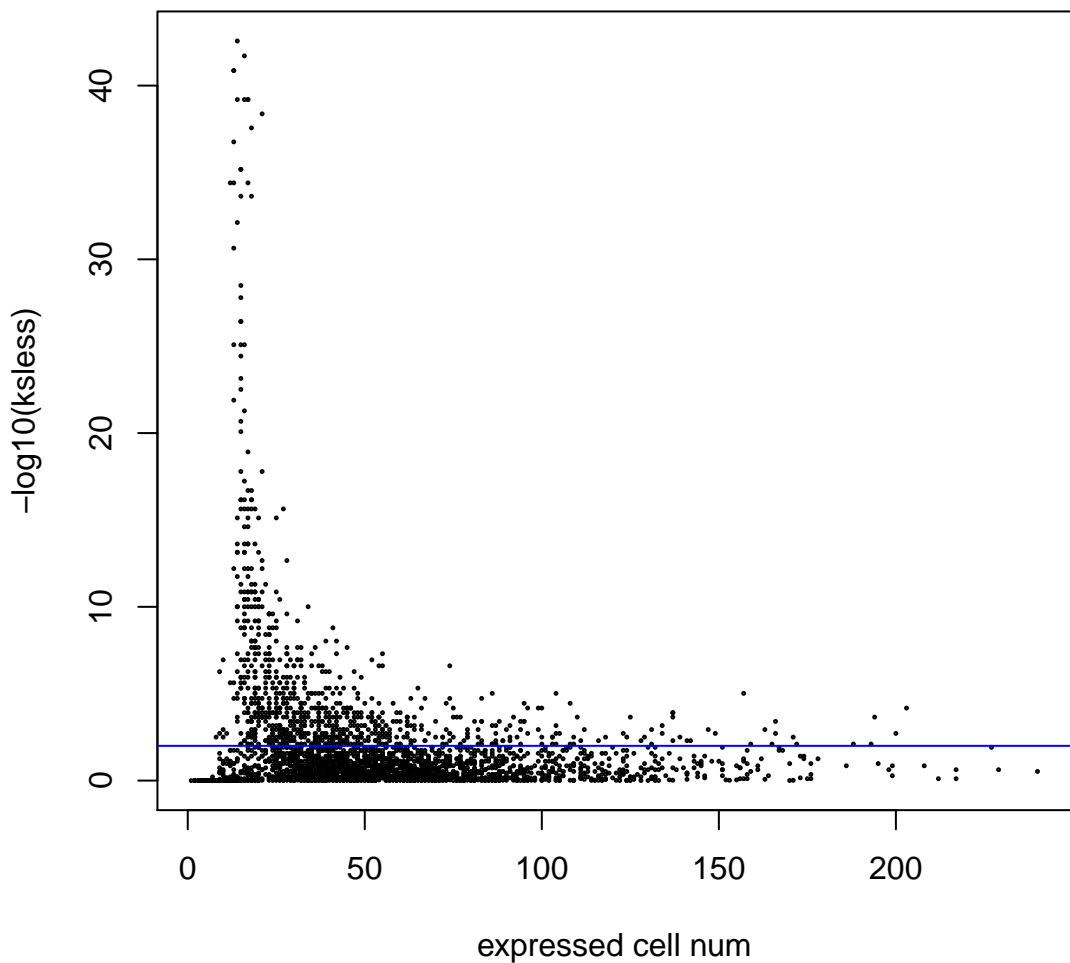
sig_KStwoside: 33.078%



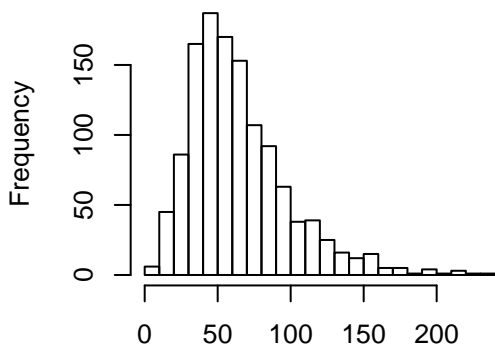
sig_KSgreater: 9.336%



sig_KSless: 28.776%

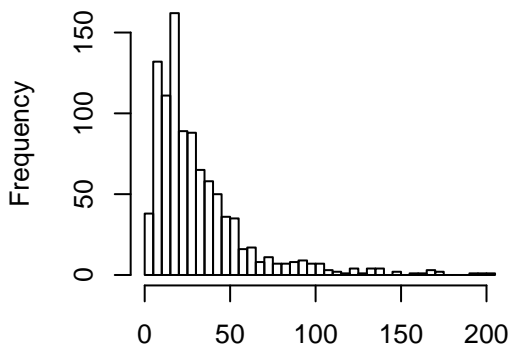


expression cell num,kstwoside>0.2



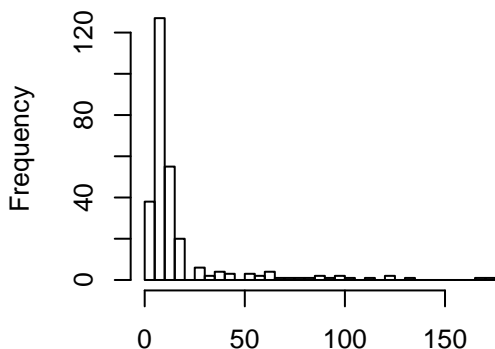
rawM_0zero_num[kstwoside > 0.2]

expression cell num,kstwoside<0.01



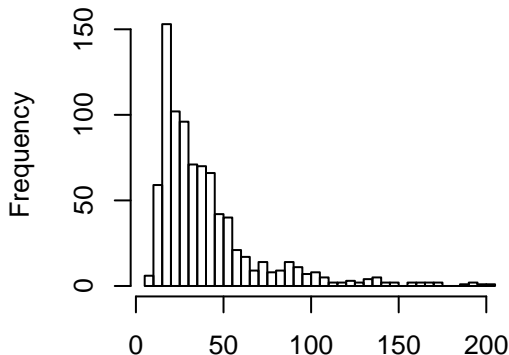
rawM_0zero_num[kstwoside < 0.01]

expression cell num,ksgreater<0.01



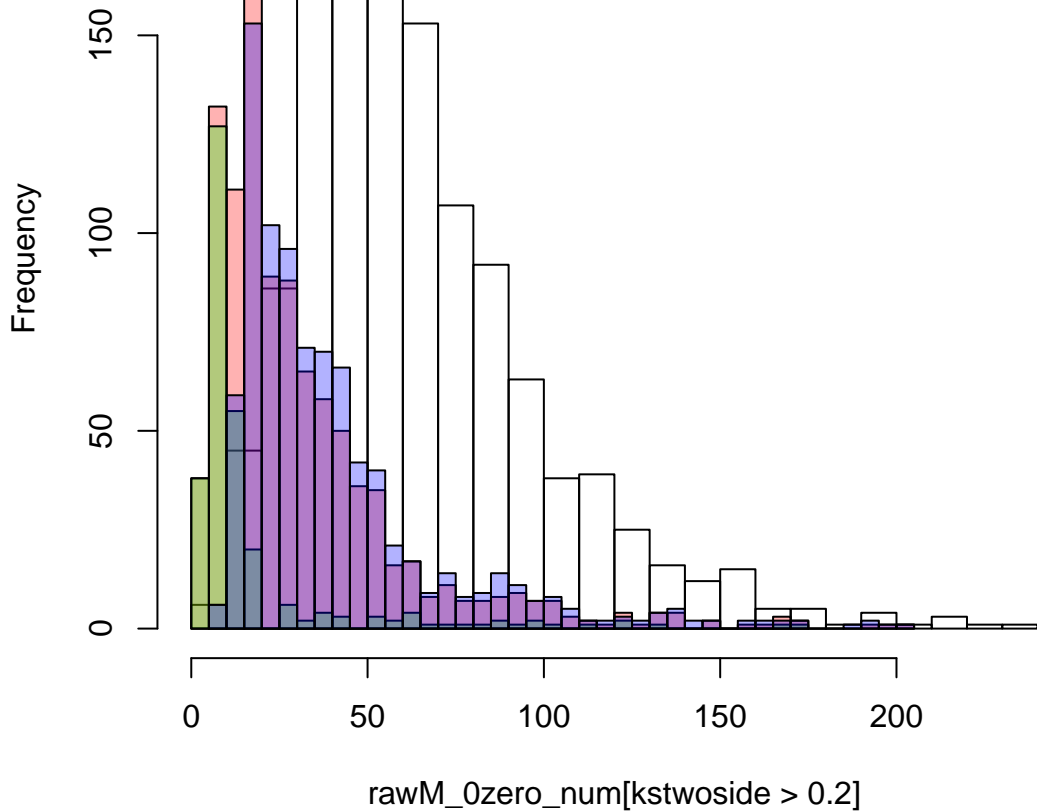
rawM_0zero_num[ksgreater < 0.01]

expression cell num,ksless<0.01

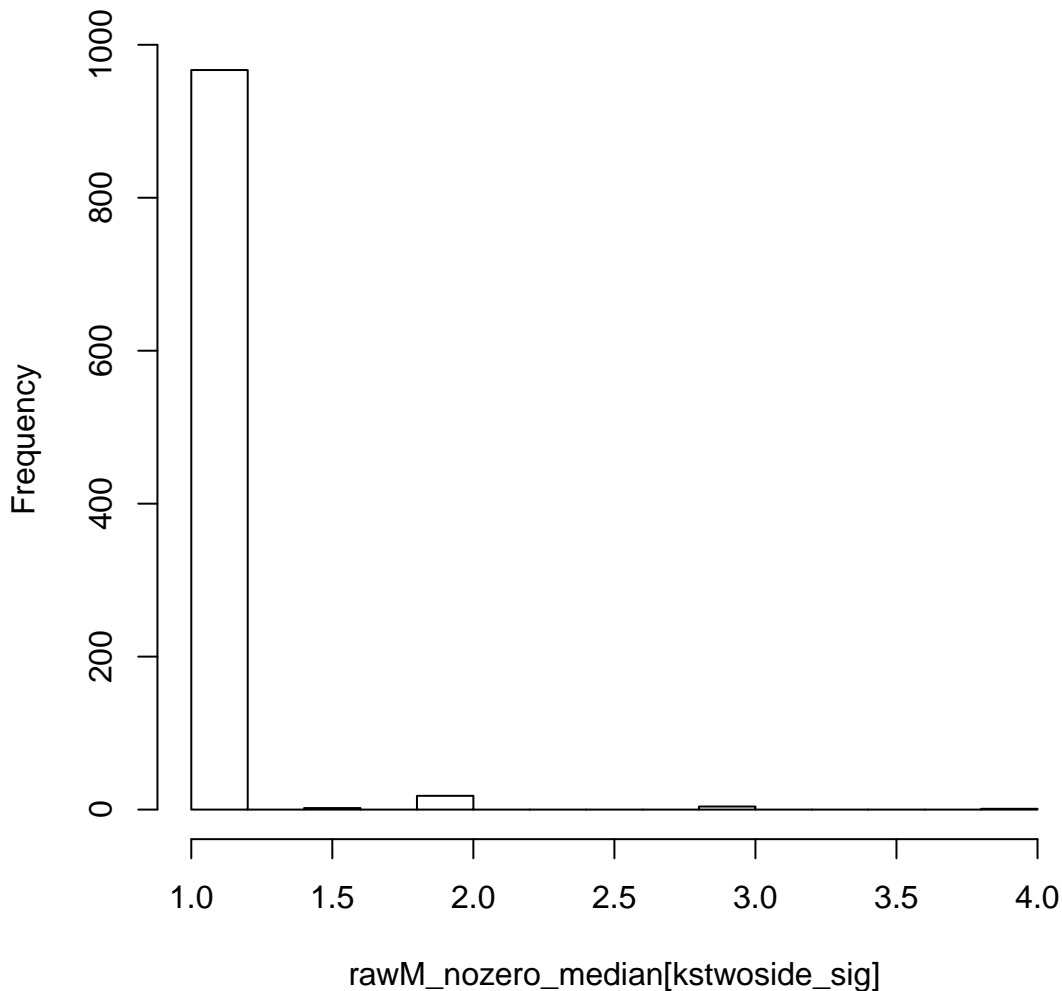


rawM_0zero_num[ksless < 0.01]

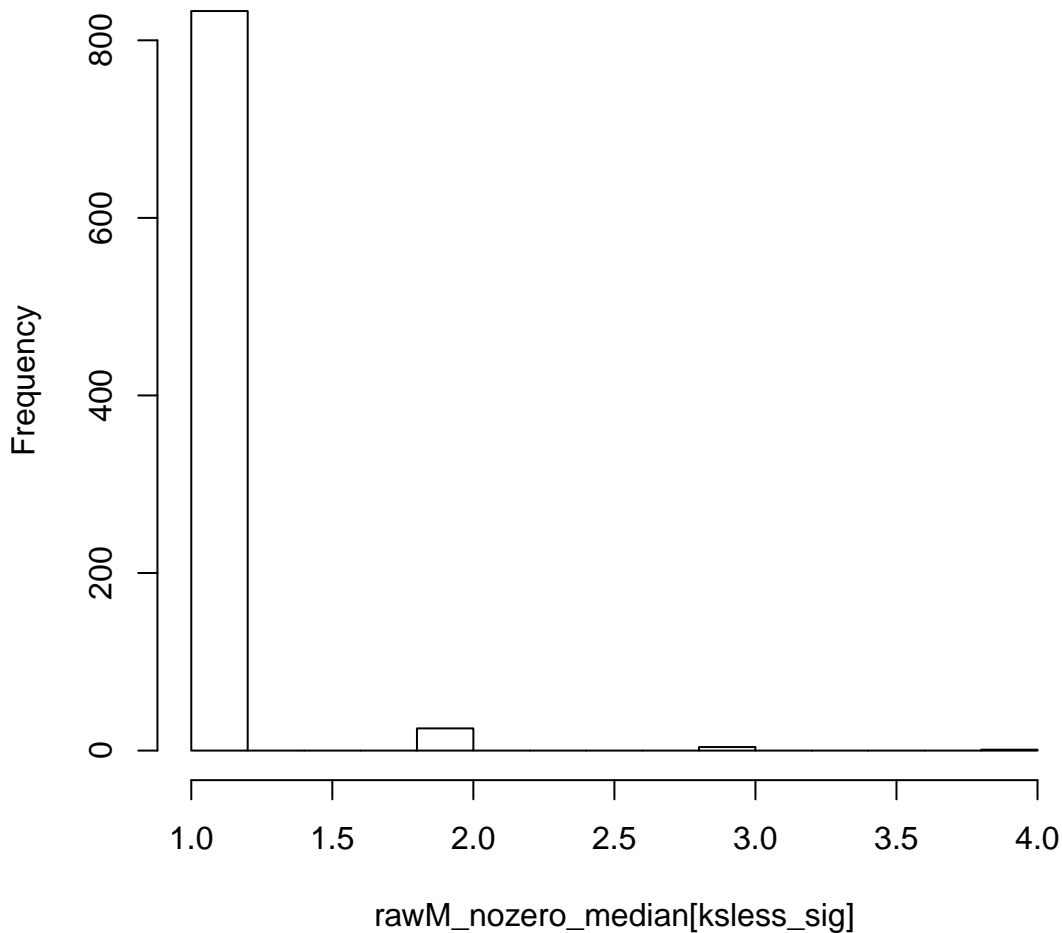
expression cell num



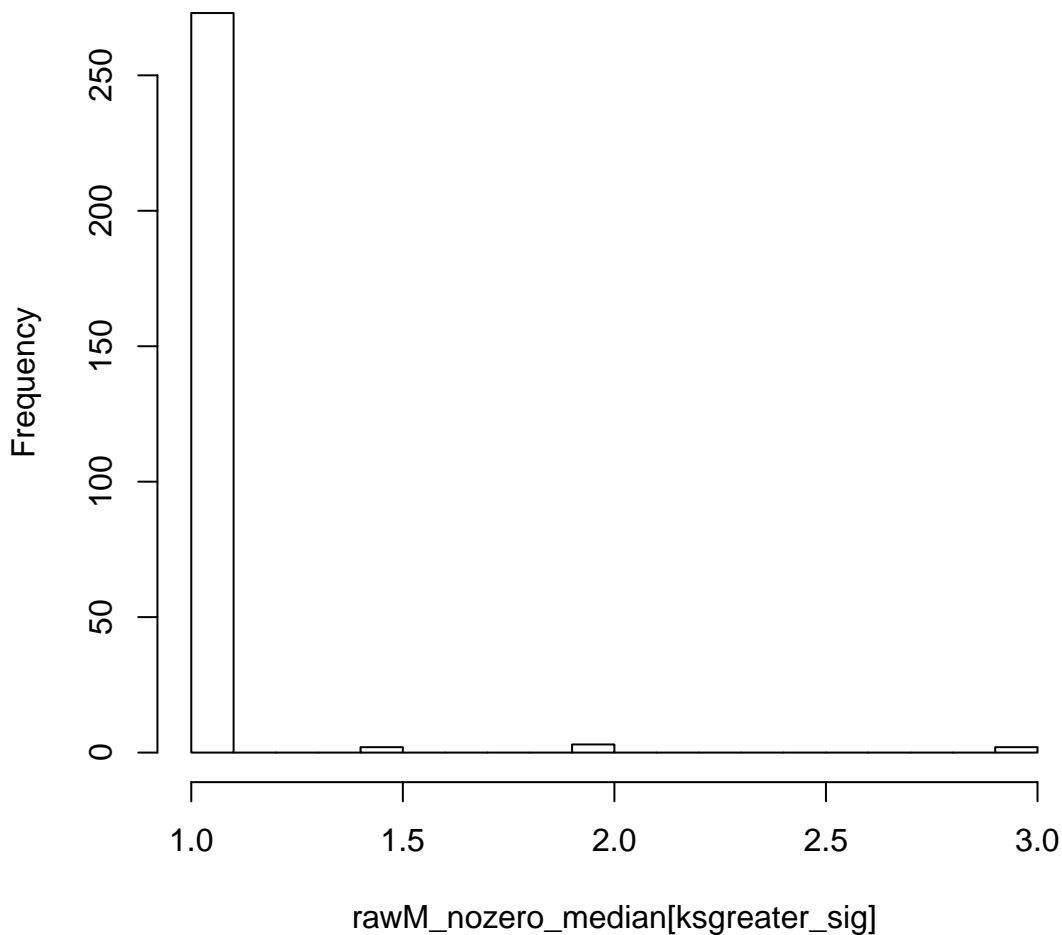
median of nozero log-express of genes, kstwoside sig



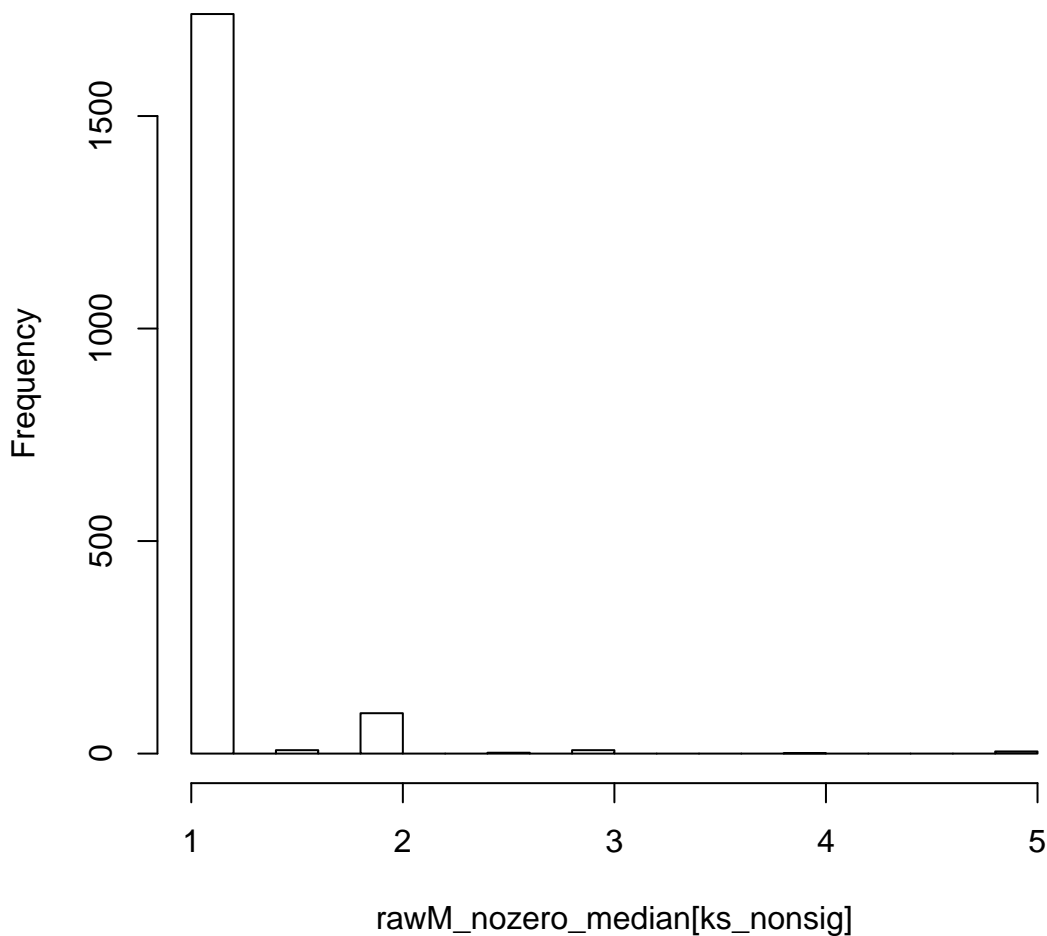
median of nozero log-express of genes, ksless sig



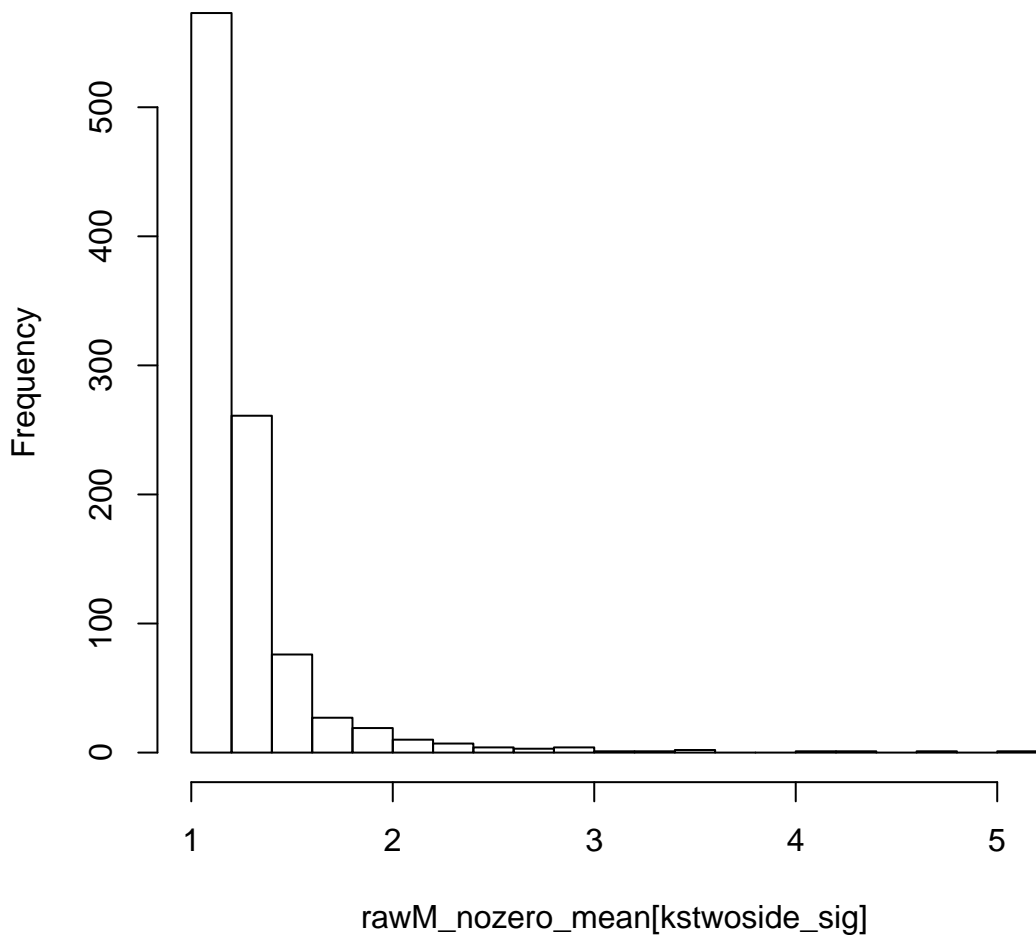
median of nozero log-express of genes,ksgreater sig



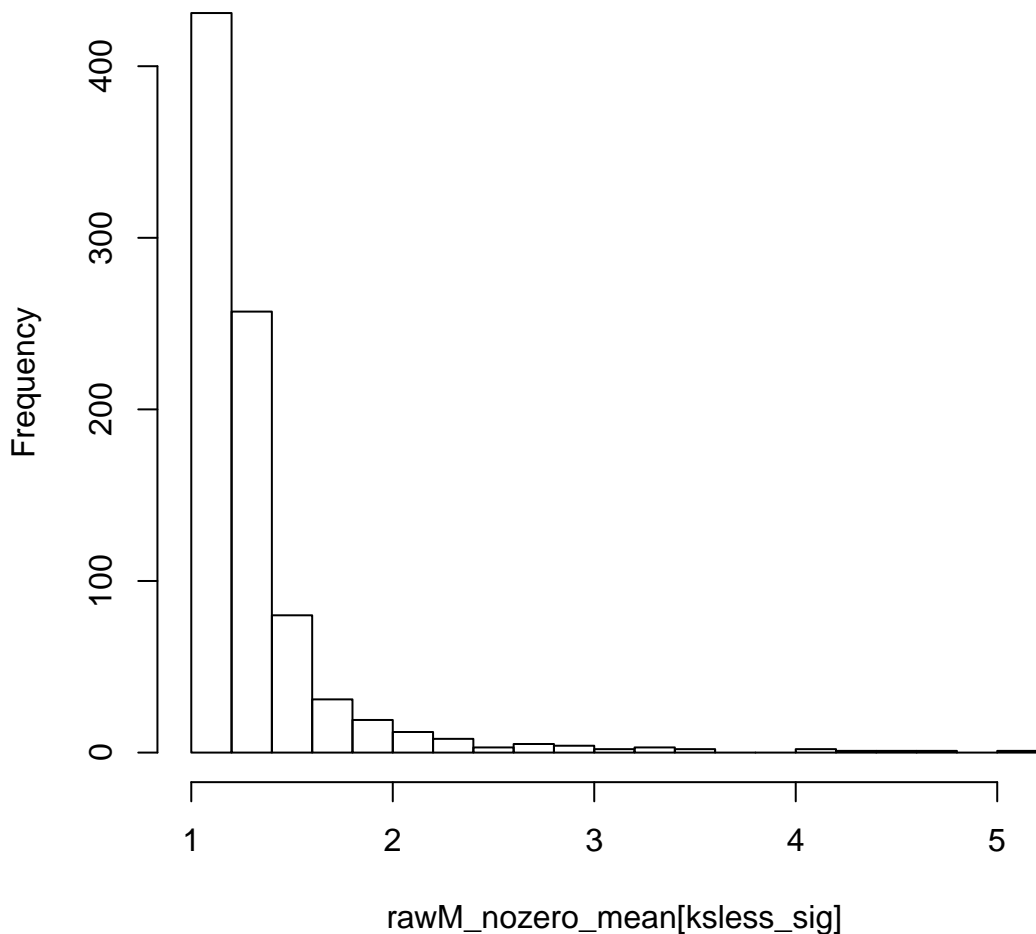
median of nozero log-express of genes,ks no sig



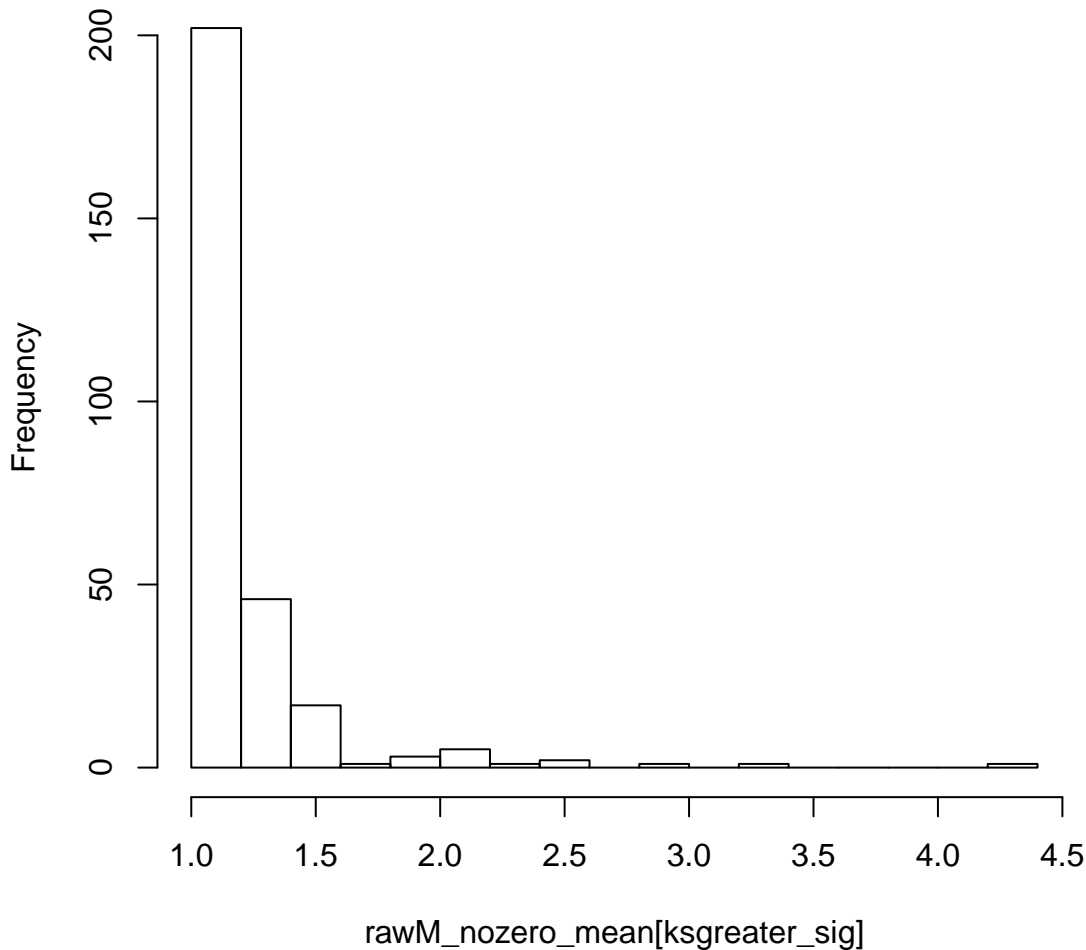
mean of nozero log-express of genes, kstwoside sig



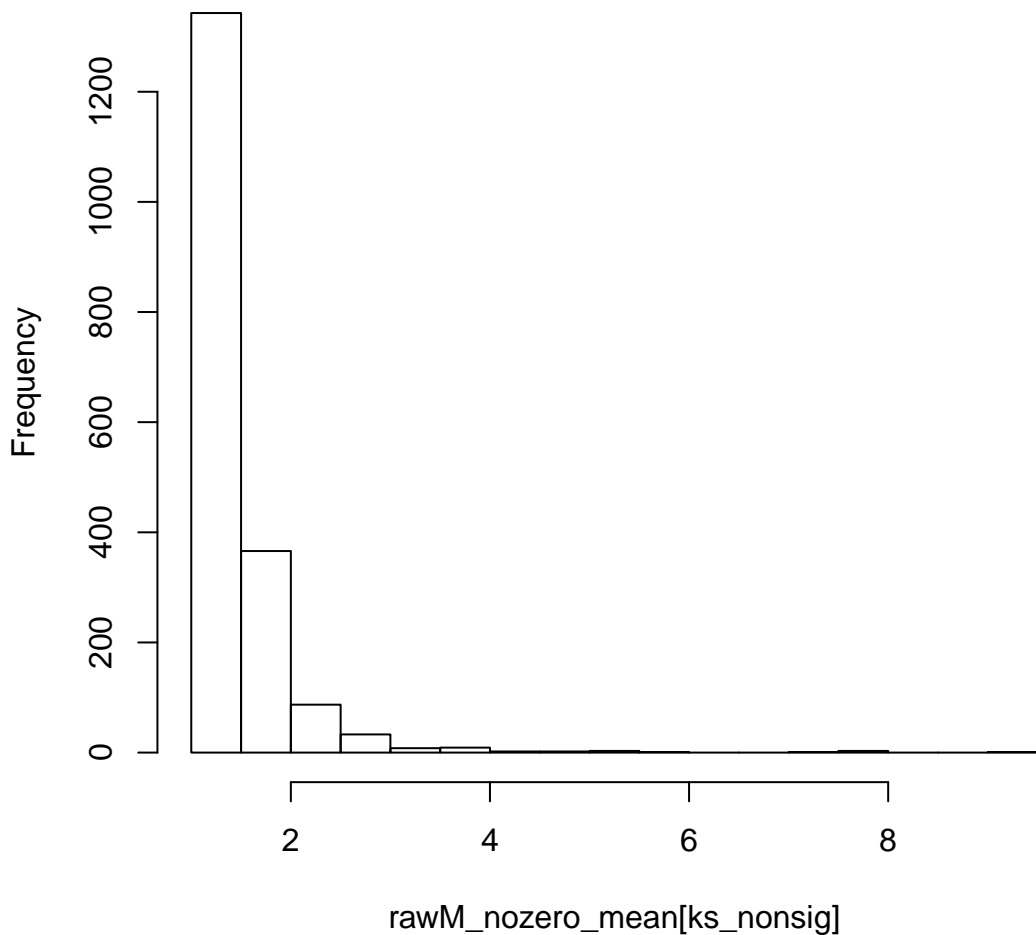
mean of nozero log-express of genes, ksless sig



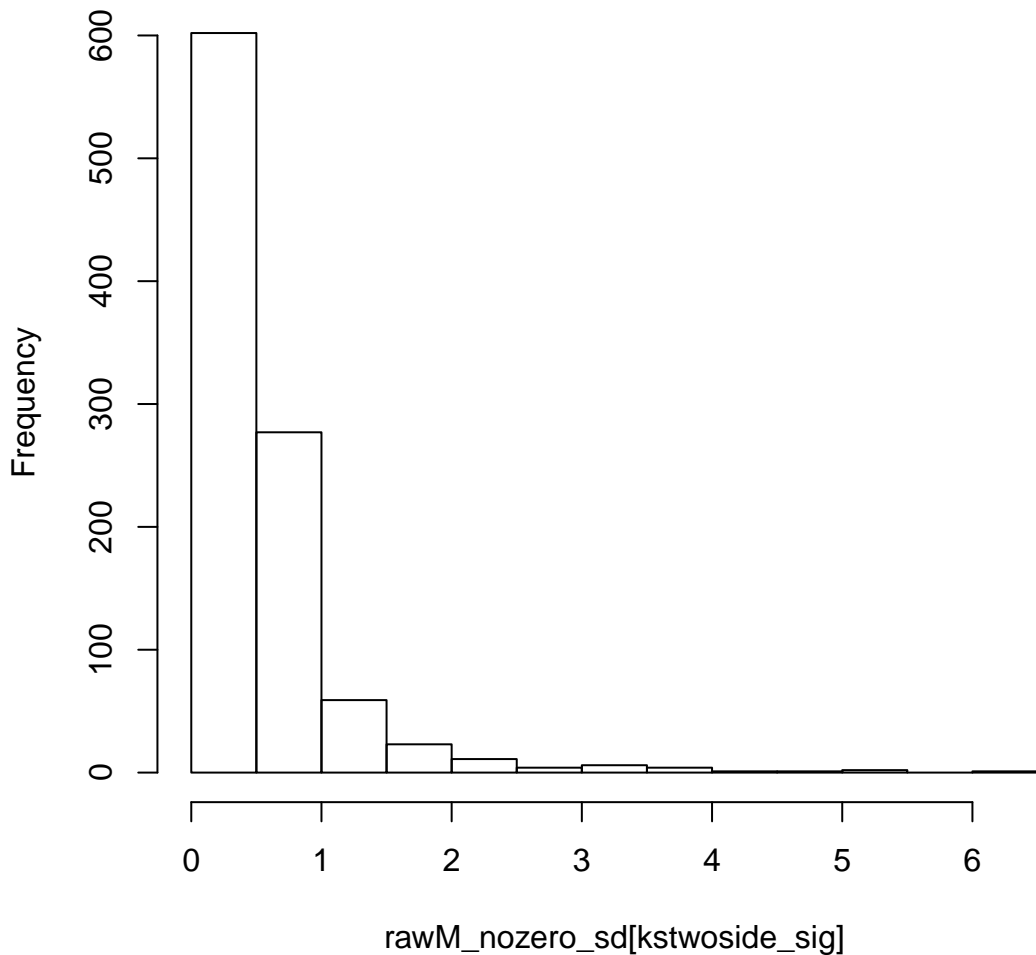
mean of nozero log-express of genes,ksgreater sig



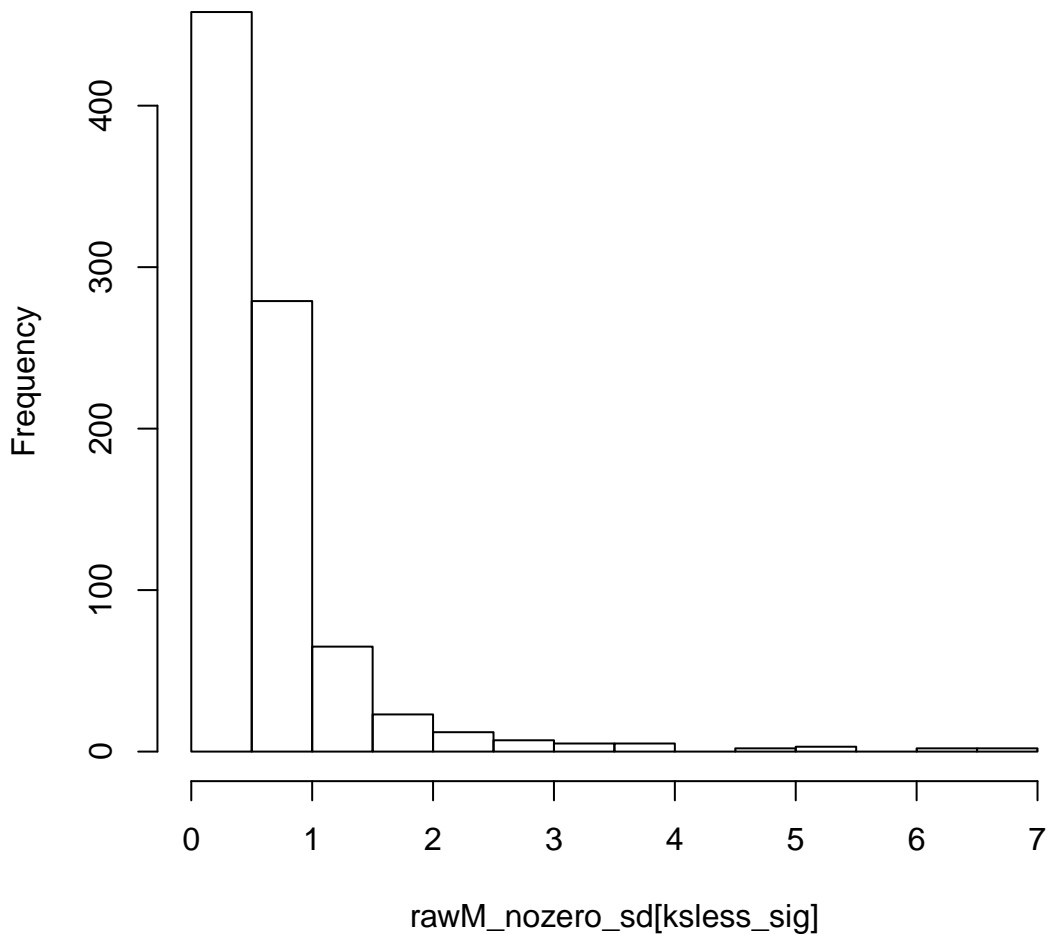
mean of nozero log-expres of genes,ks no sig



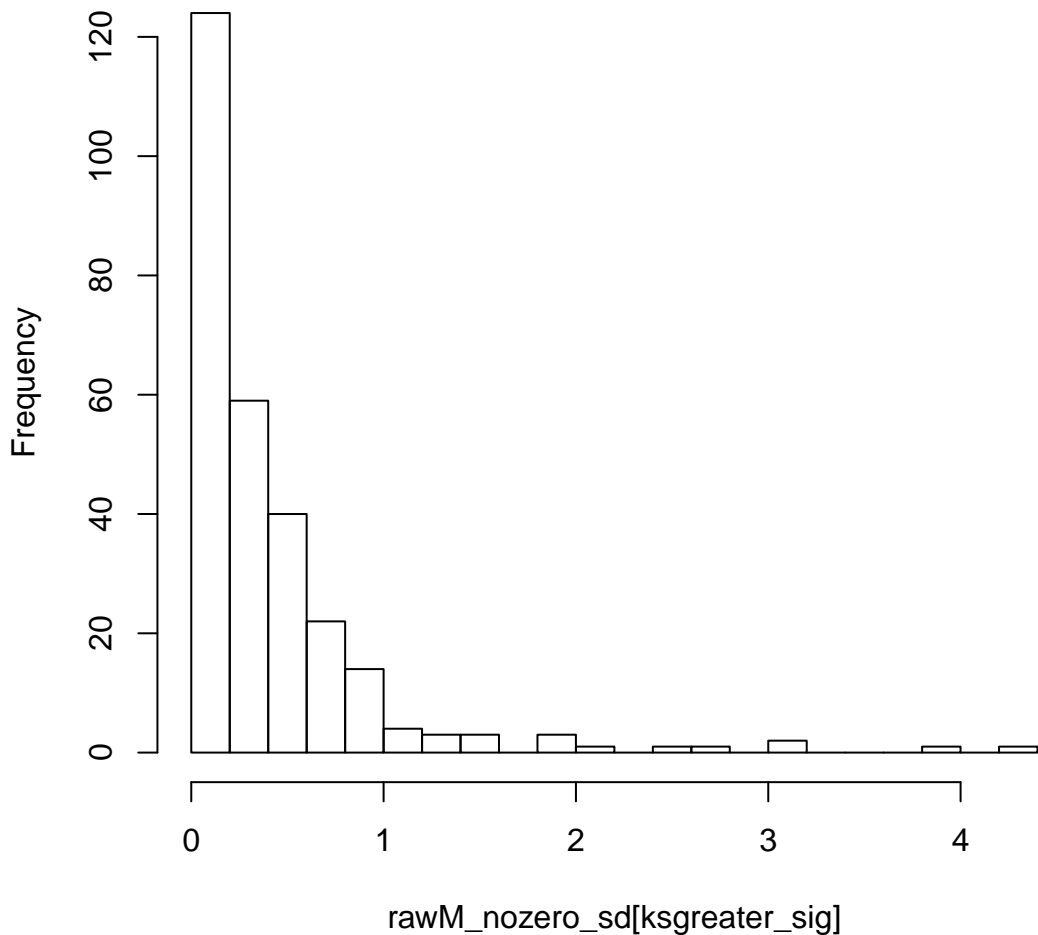
sd of nozero log-express of genes, kstwoside sig



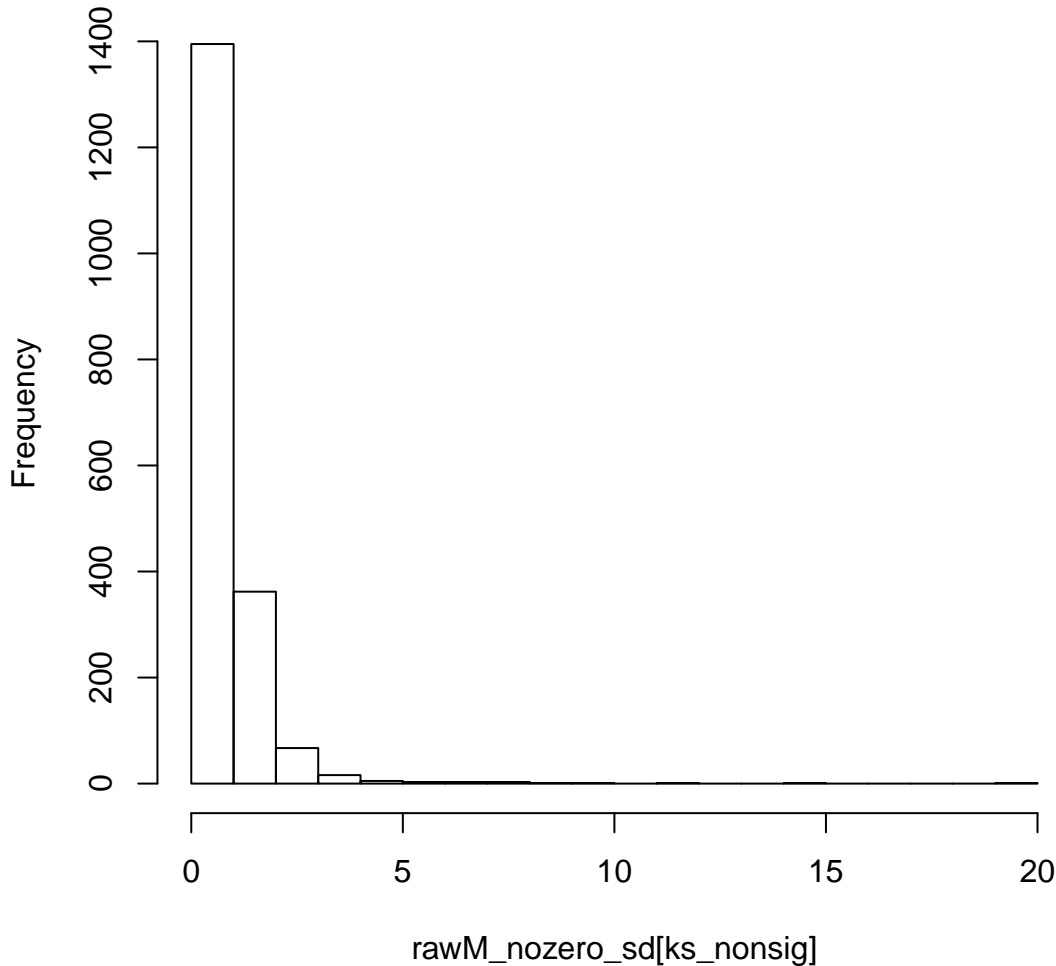
sd of nozero log-express of genes, ksless sig



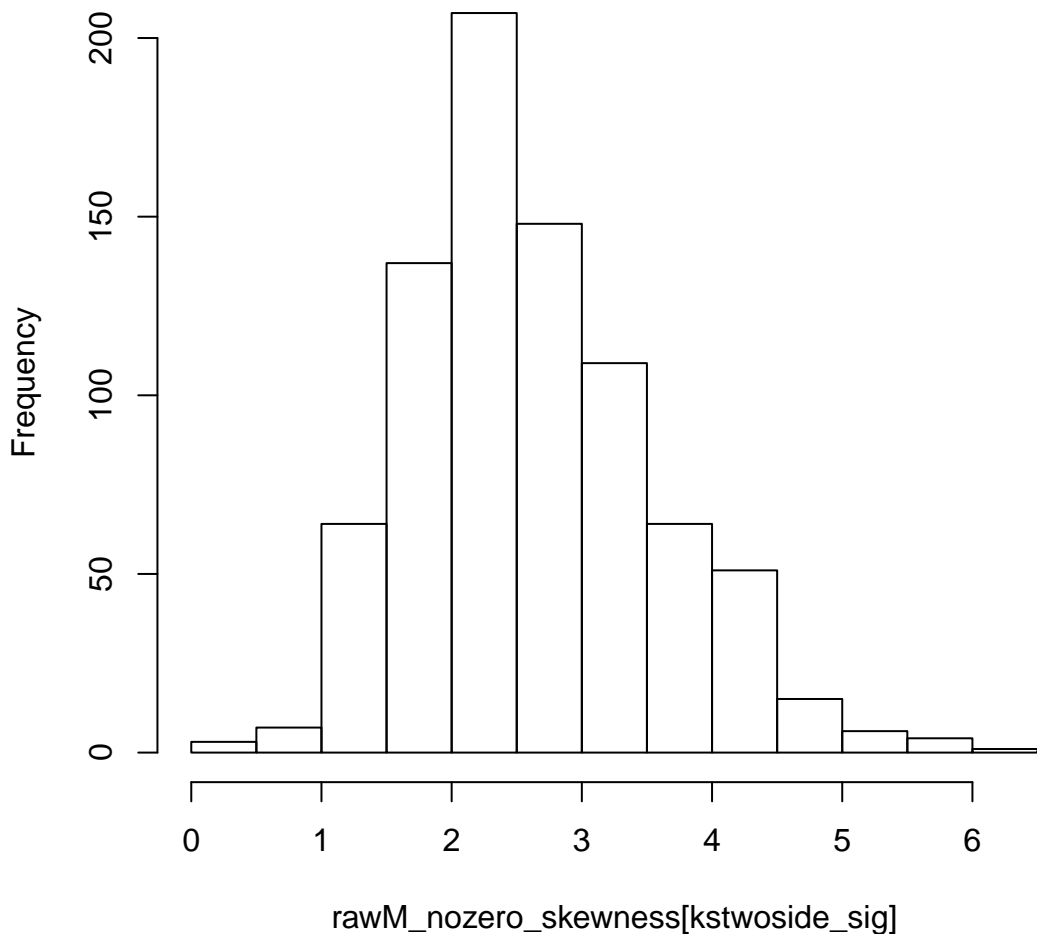
sd of nozero log-express of genes,ksgreater sig



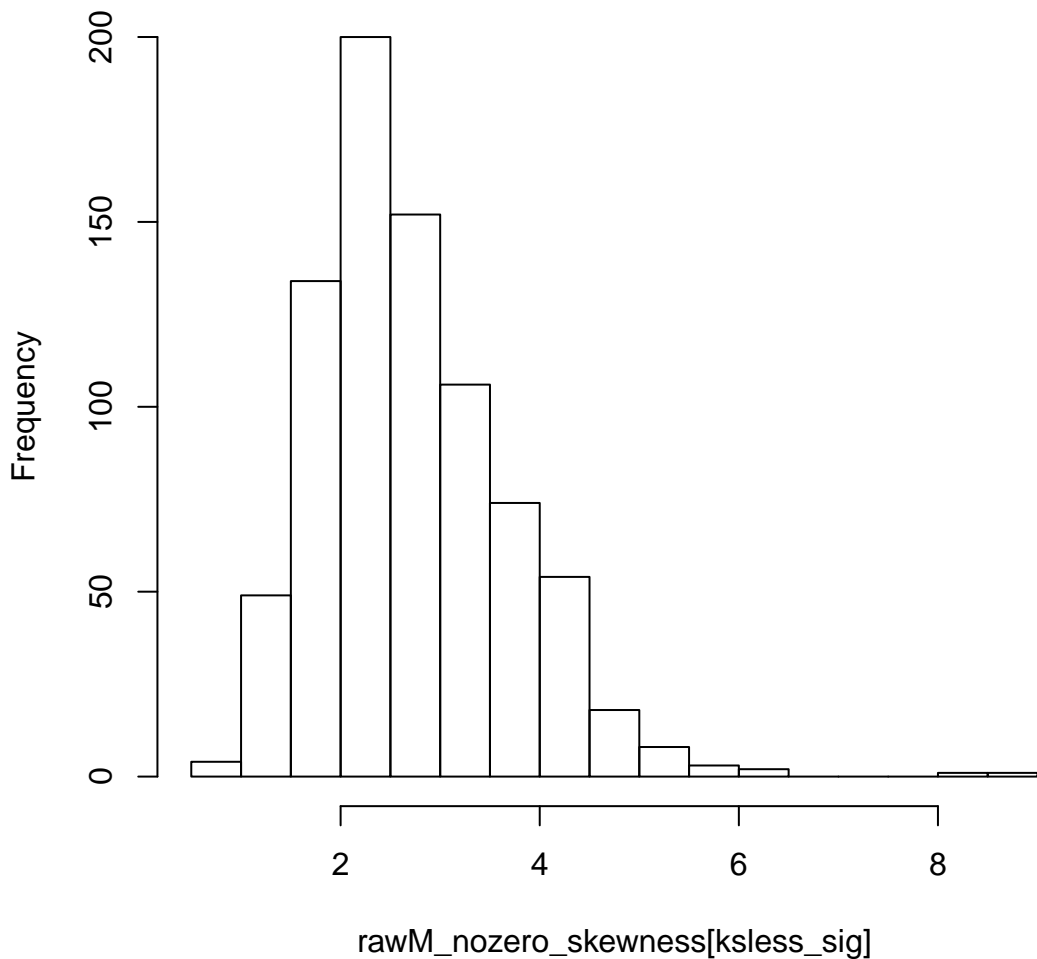
sd of nozero log-express of genes,ks no sig



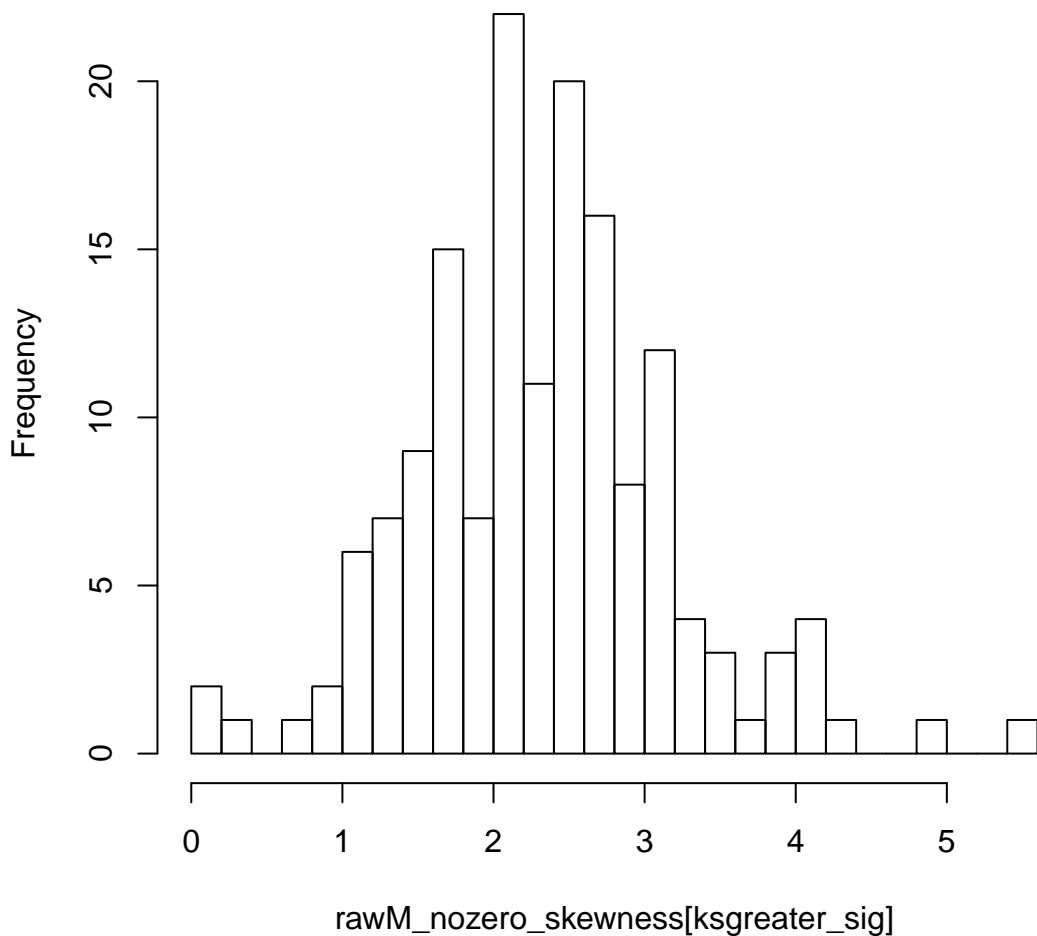
skewness of nozero log-express of genes, kstwo side sig



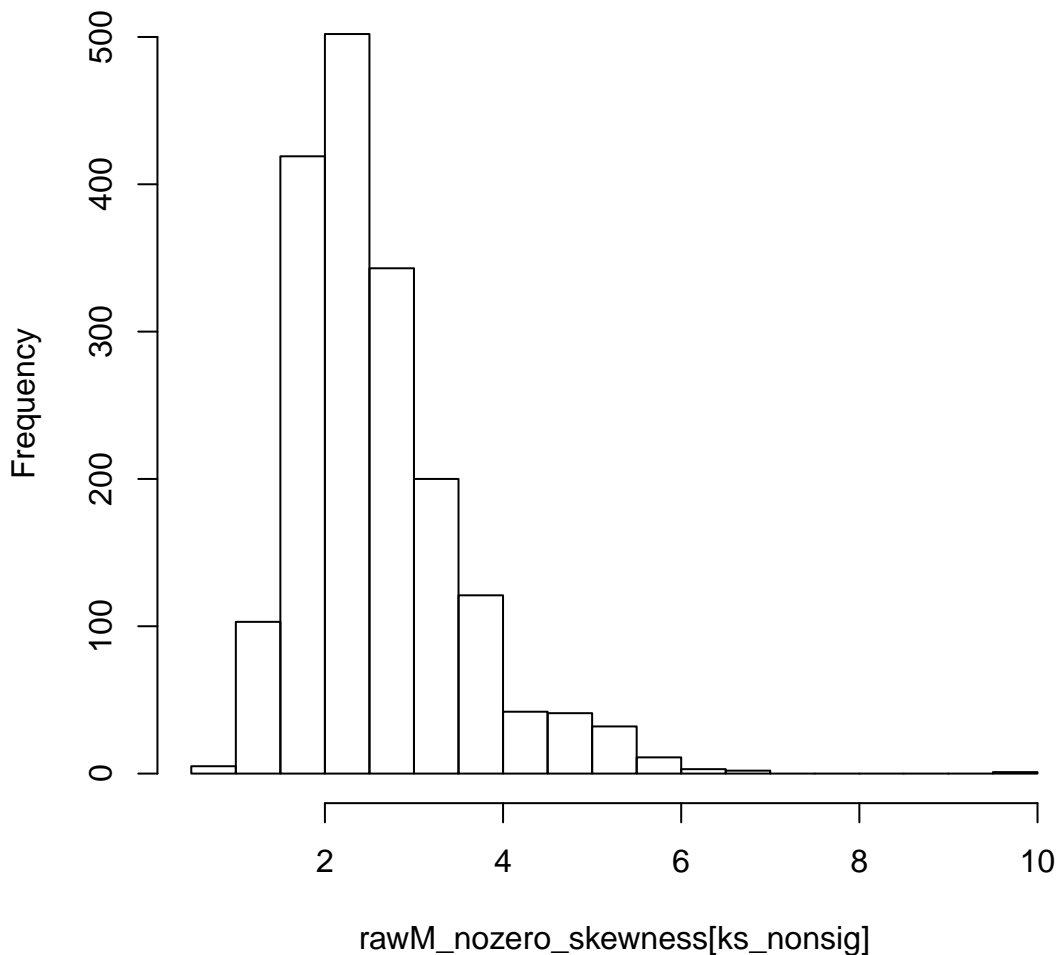
skewness of nozero log-express of genes, ksless sig



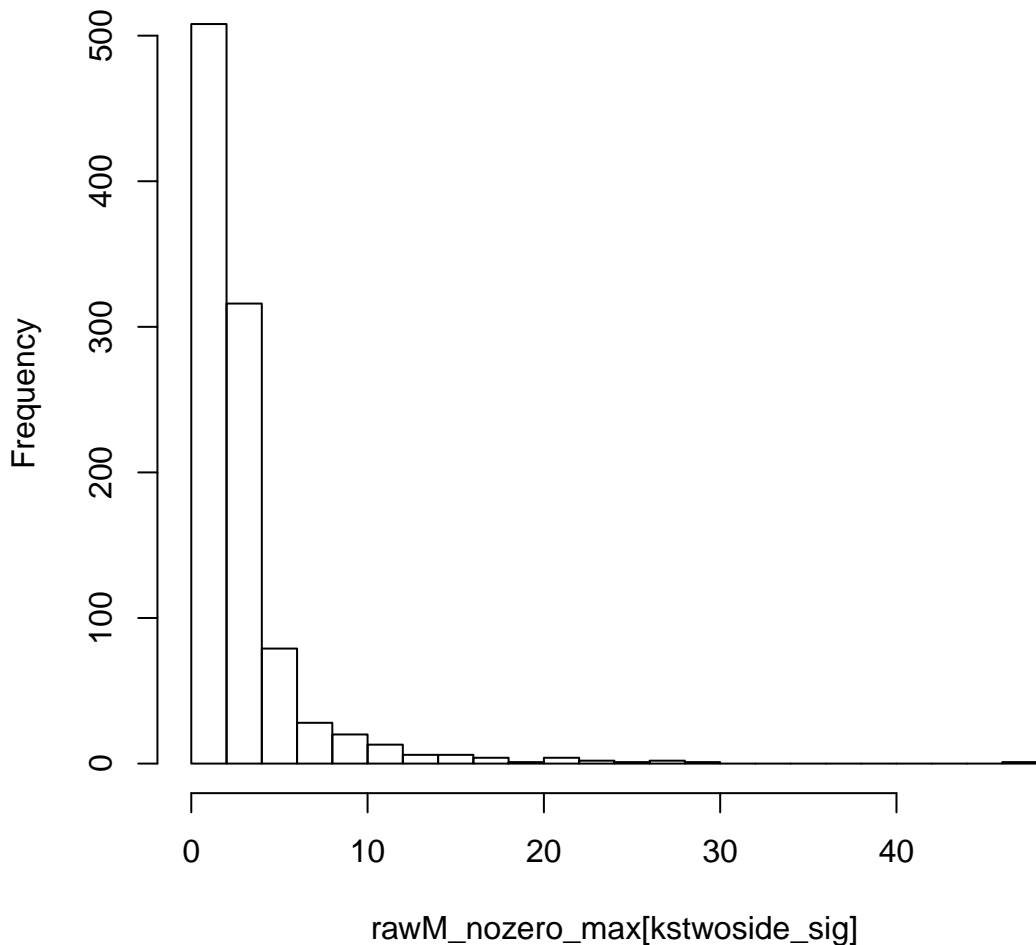
skewness of nozero log-express of genes,ksgreater sig



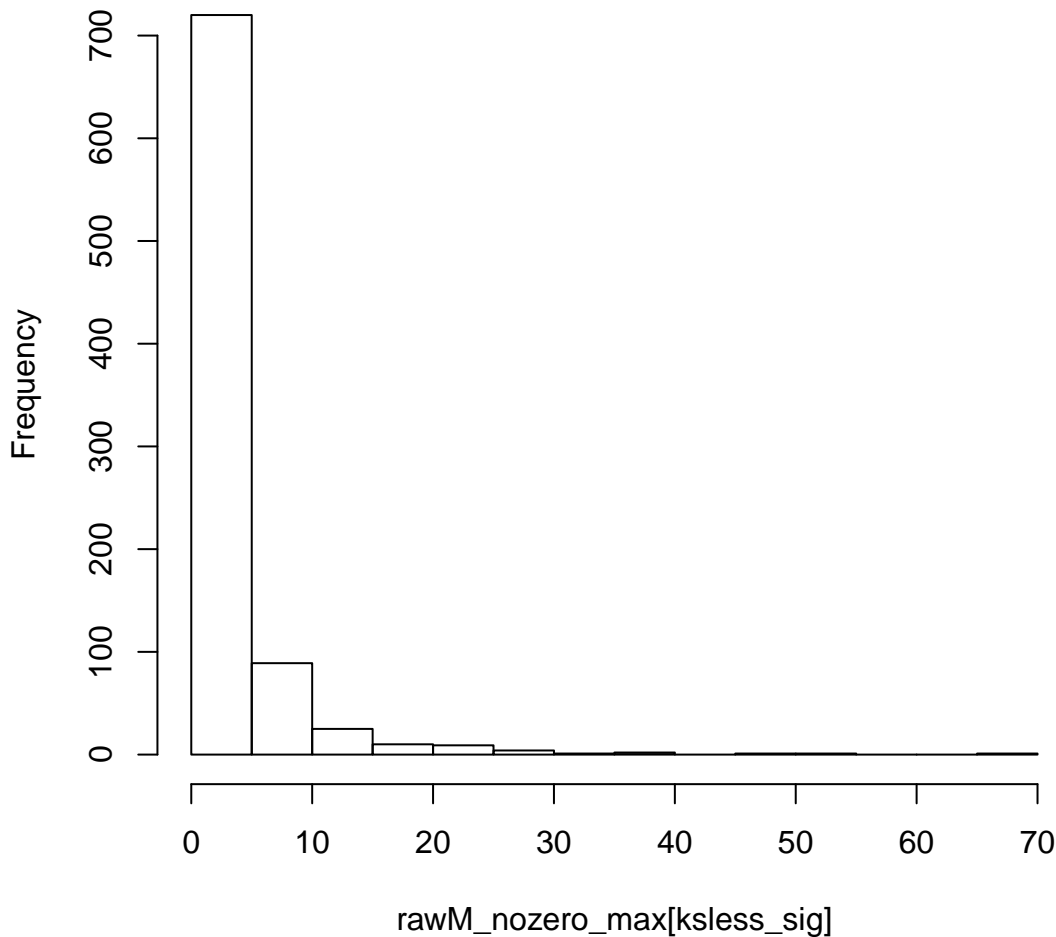
skewness of nozero log-express of genes,ks no sig



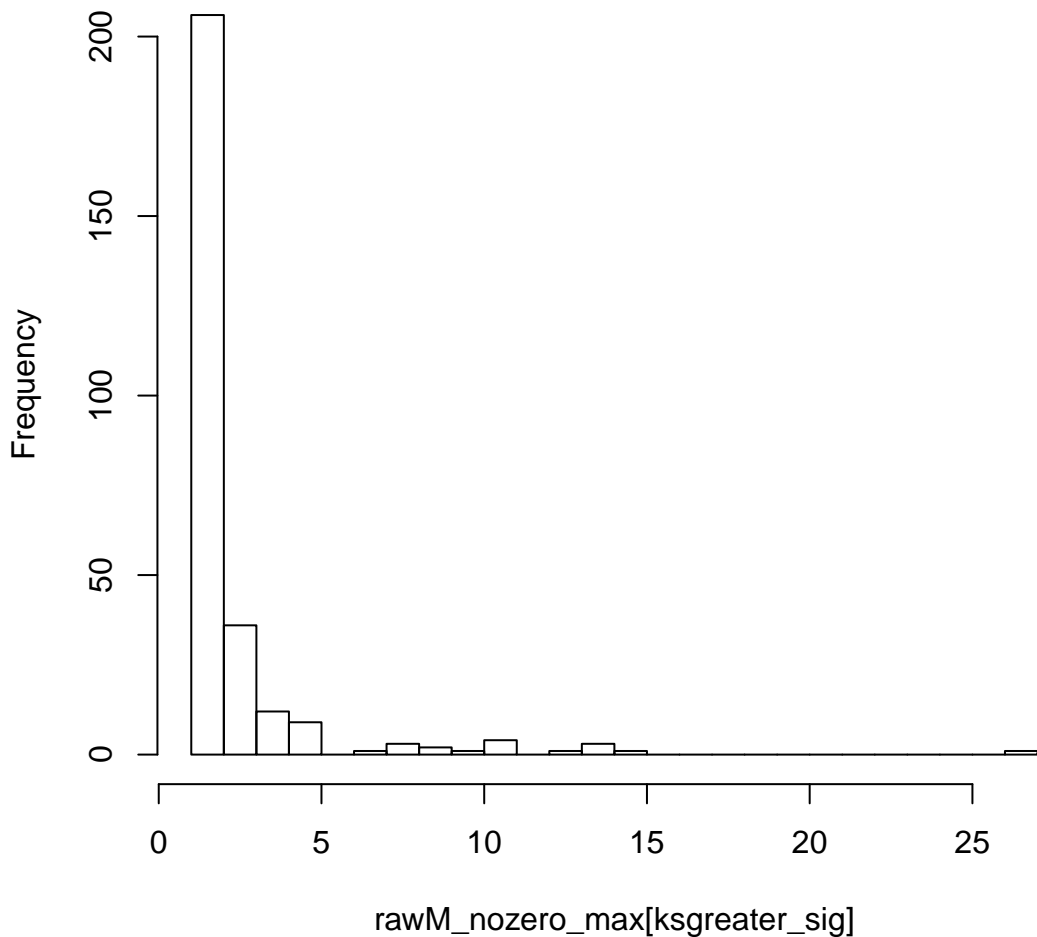
max of nozero log-express of genes, kstwoside sig



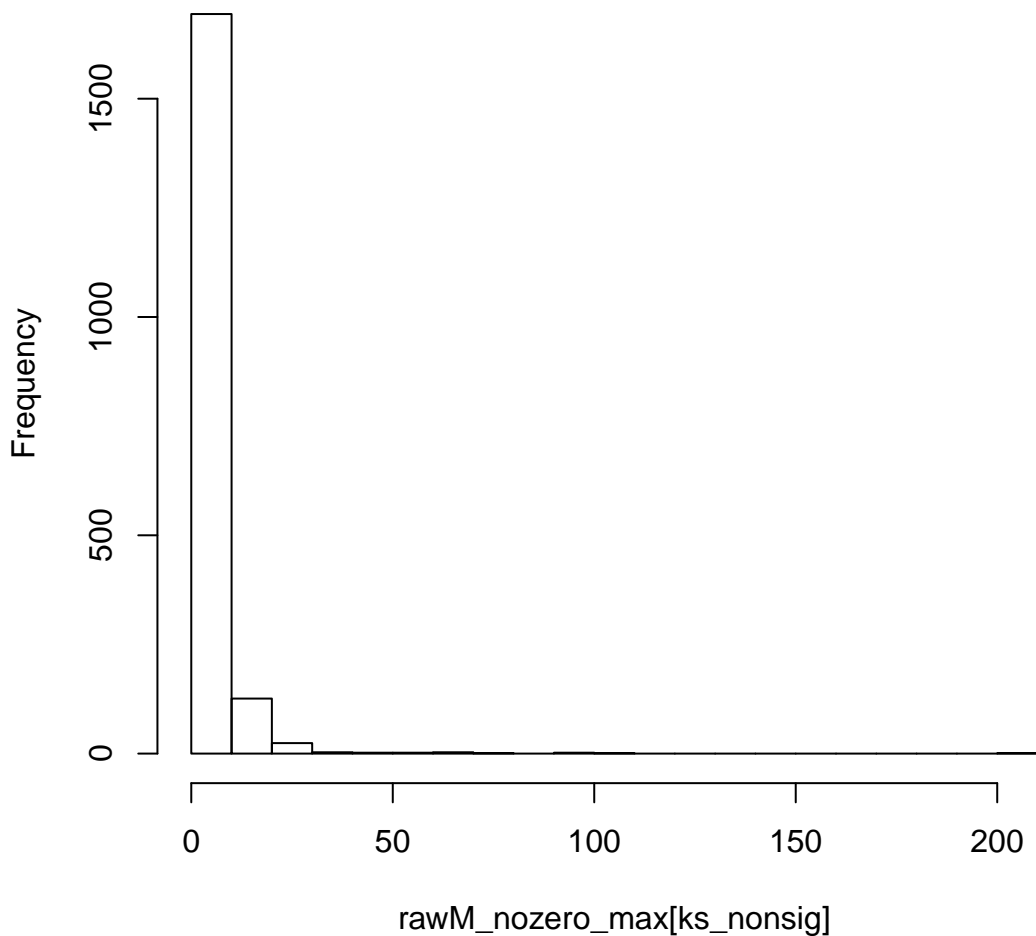
max of nozero log-express of genes, ksless sig



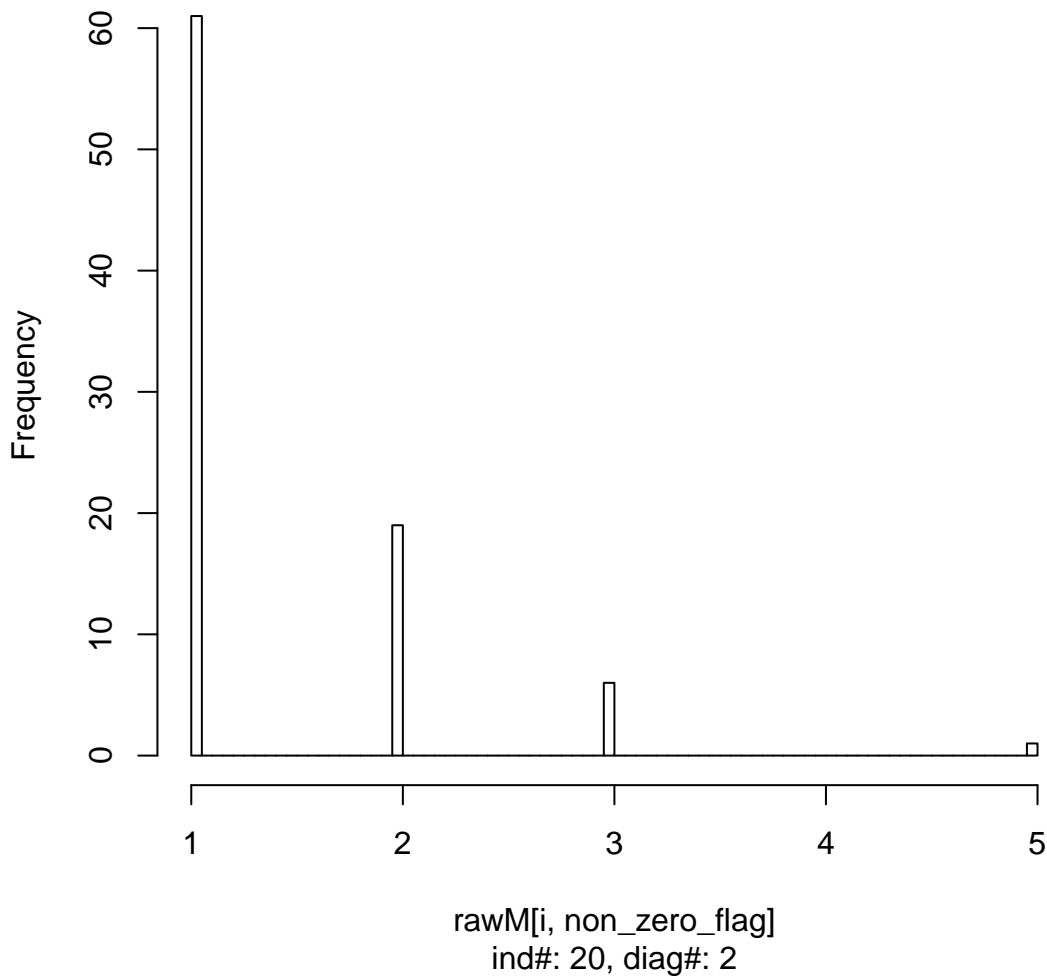
max of nozero log-express of genes,ksgreater sig



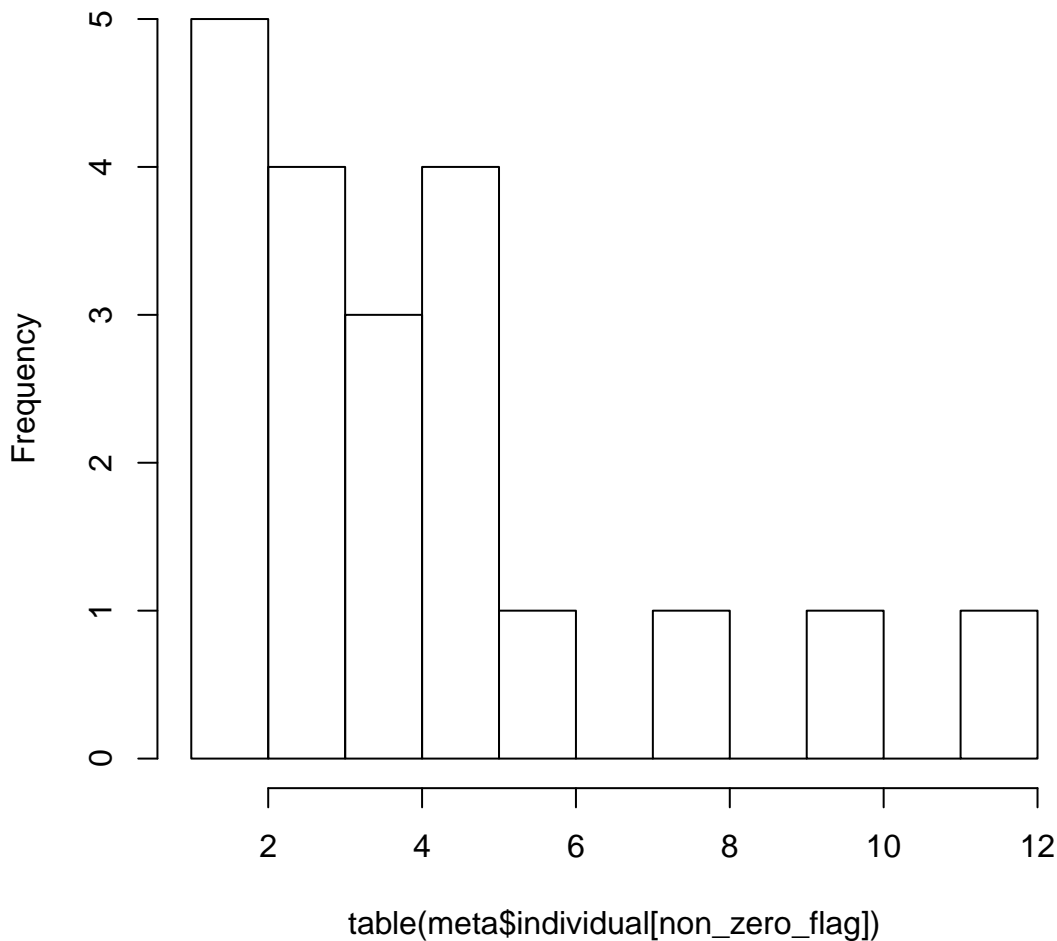
max of nozero log-expres of genes,ks no sig



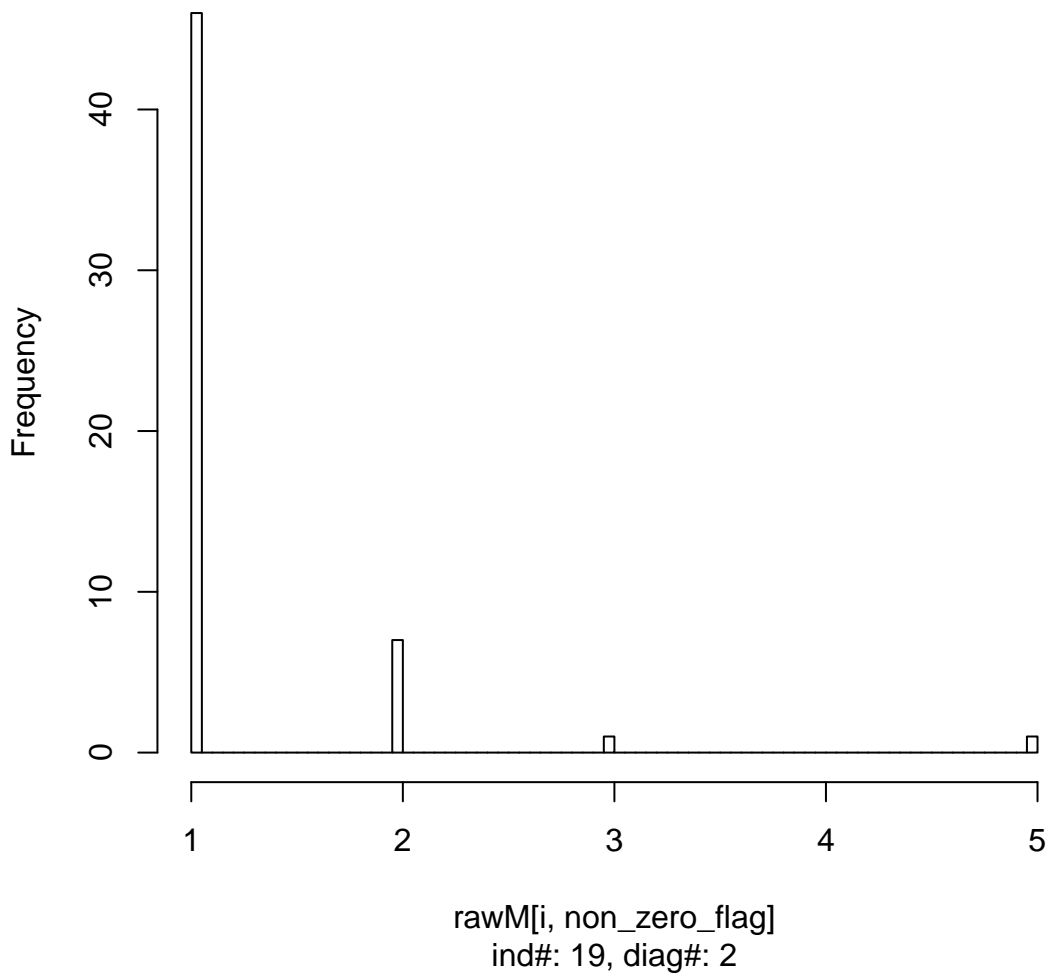
Less sig: log expression of gene#1, pval ob=0.9606, non-zero nu



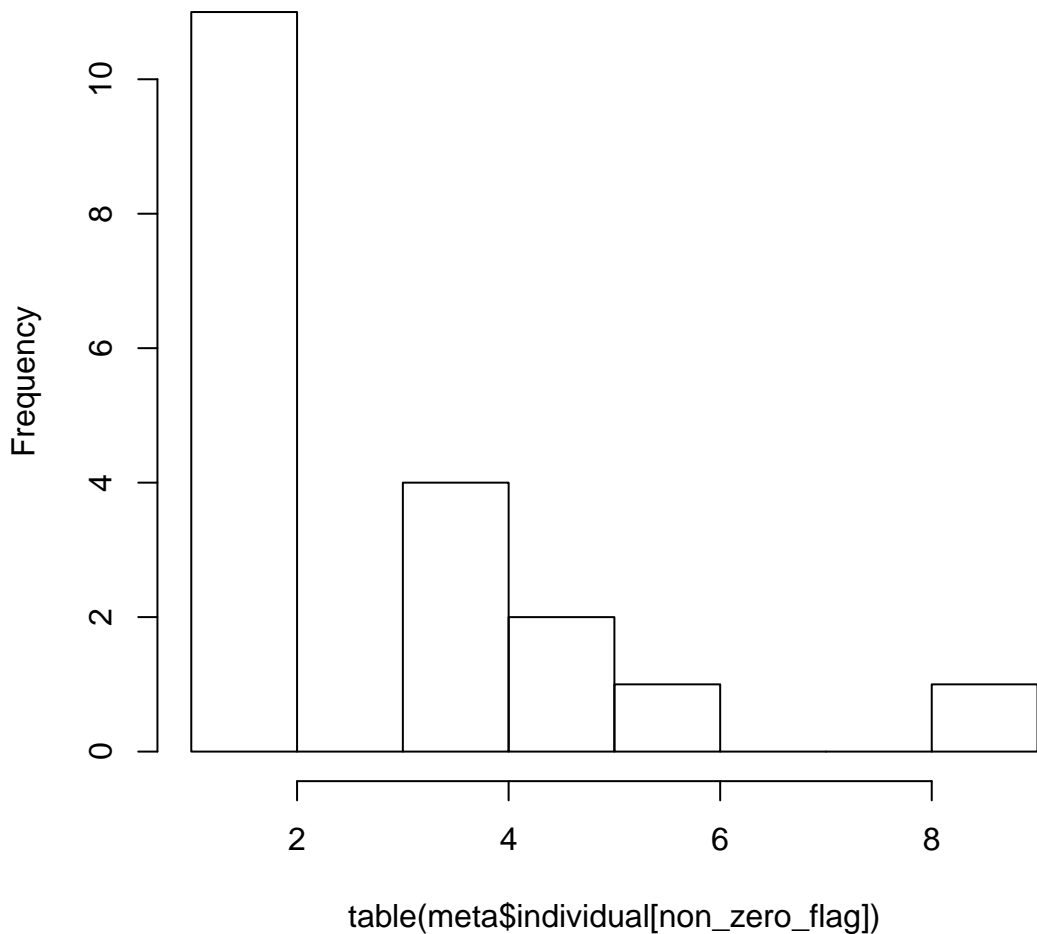
KSless sig: individual expression cell count of gene#1



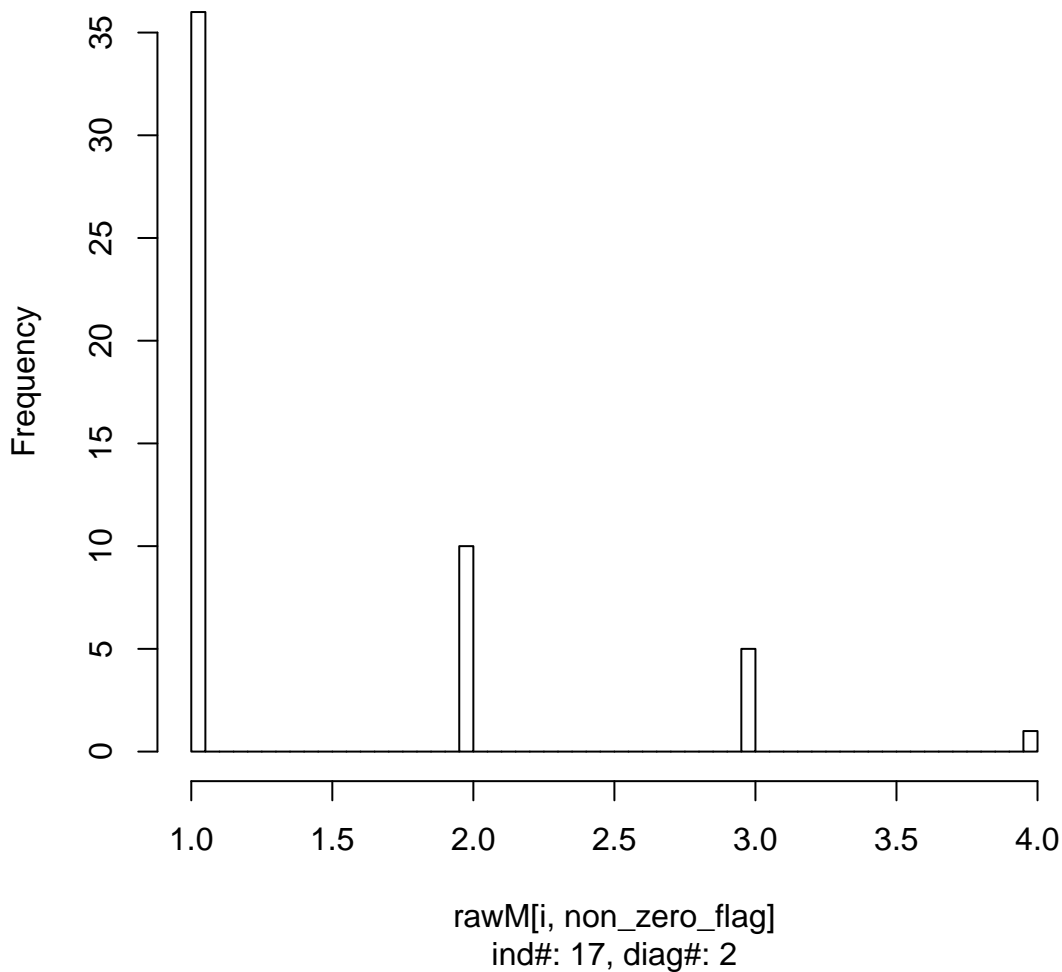
less sig: log expression of gene#11, pval ob=3e-04, non-zero n



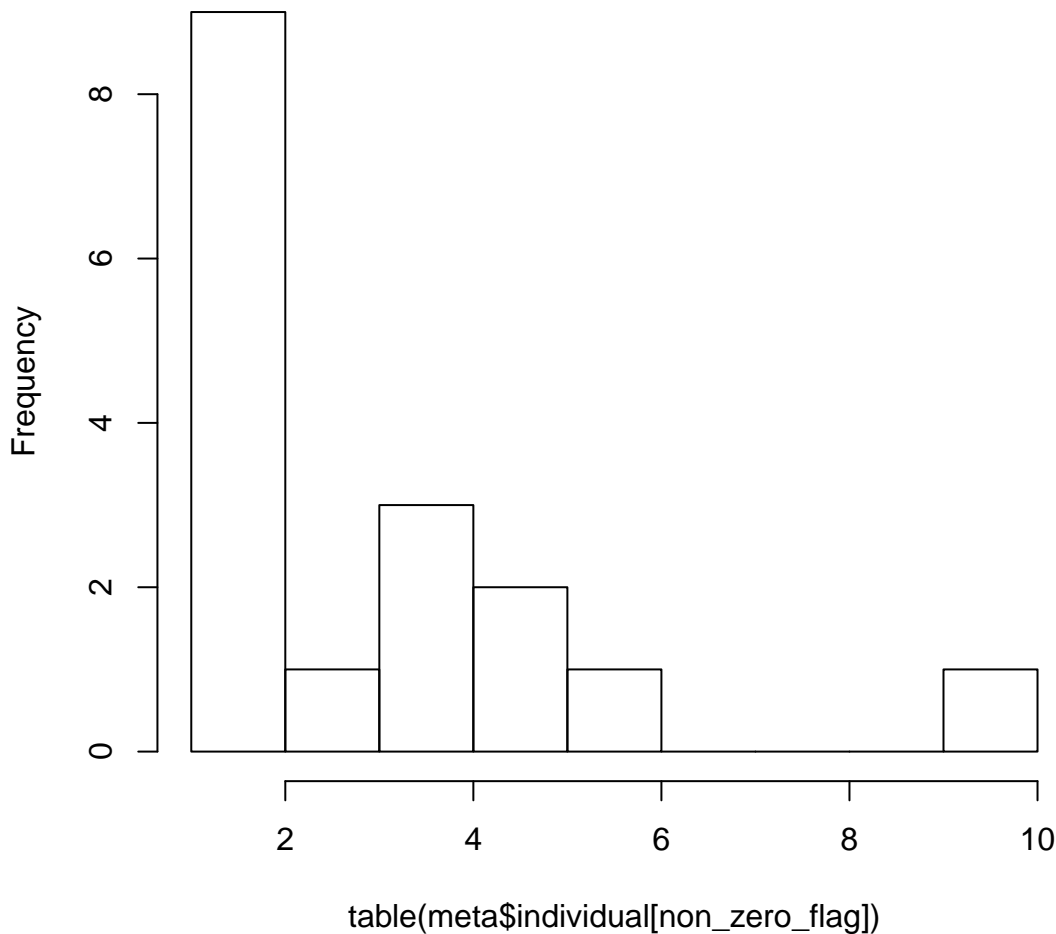
KSless sig: individual expression cell count of gene#11



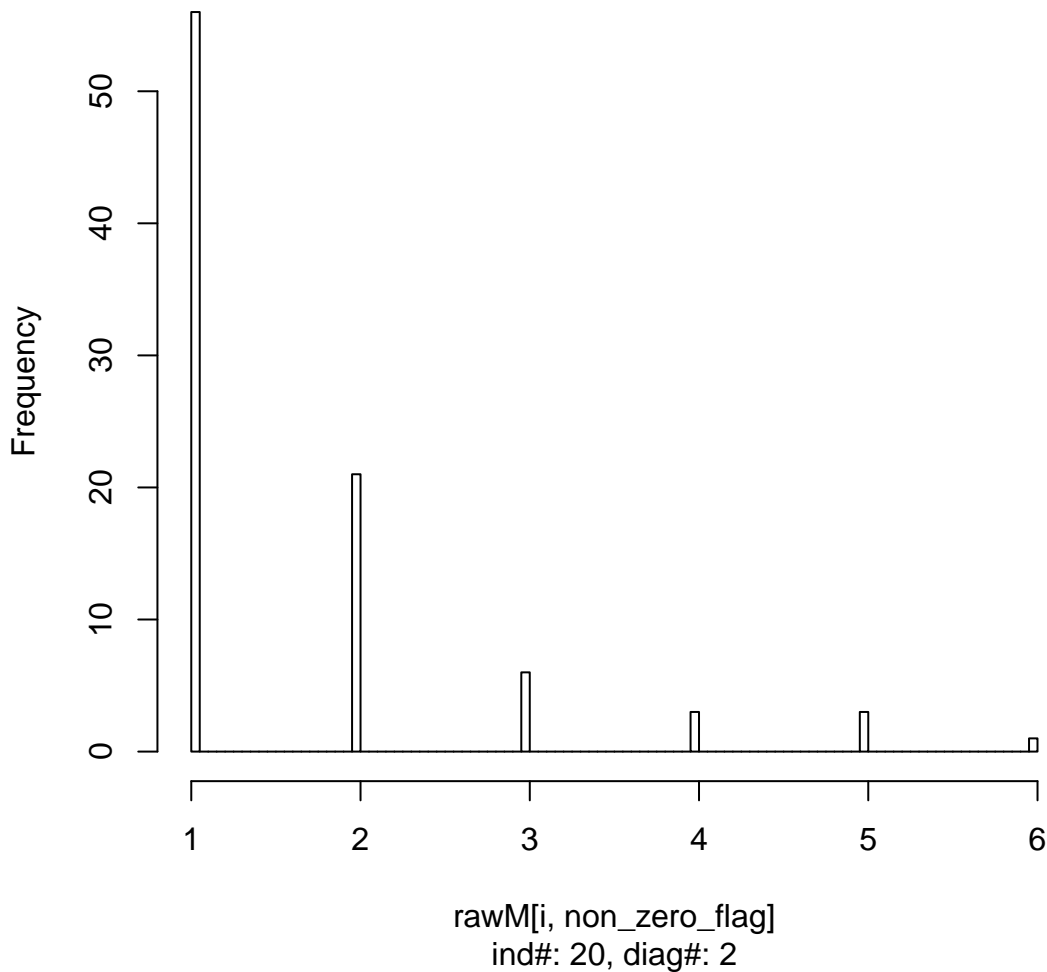
less sig: log expression of gene#24, pval ob=0.0279, non-zero n



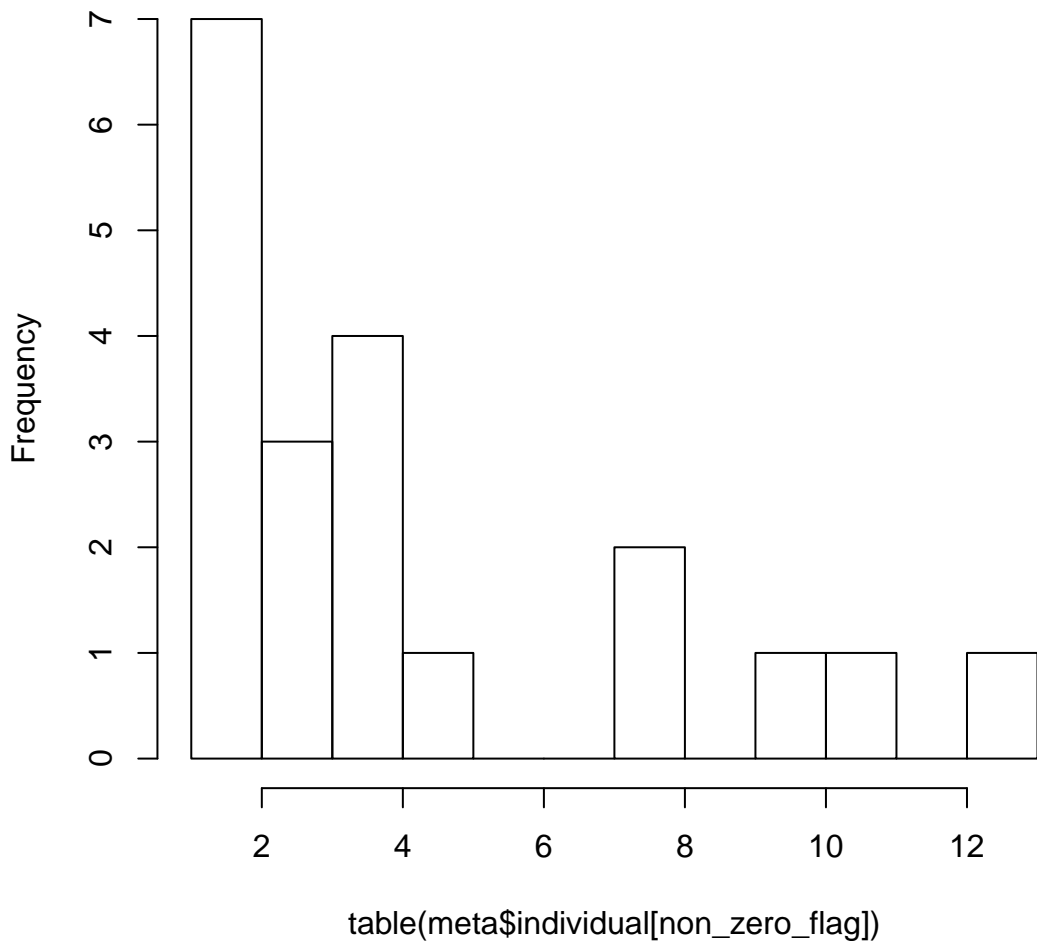
KSless sig: individual expression cell count of gene#24



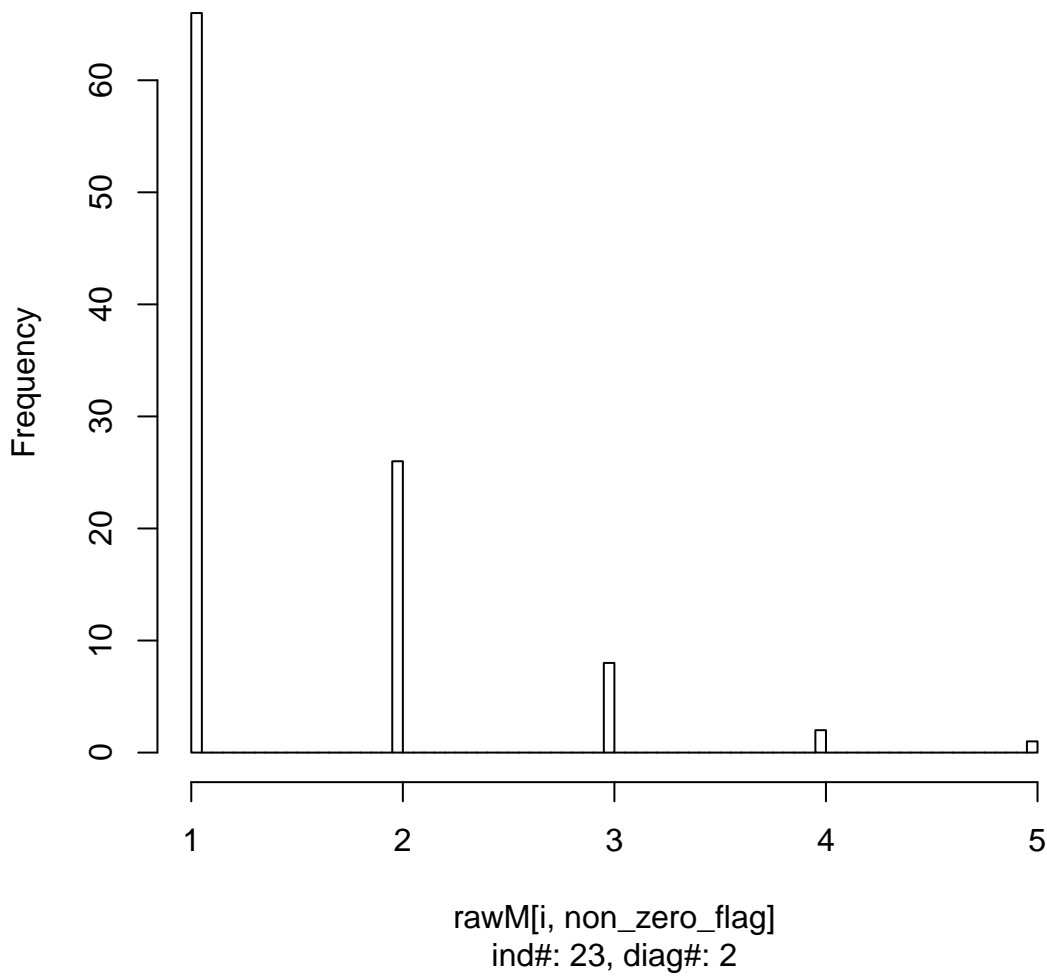
less sig: log expression of gene#40, pval ob=0.9601, non-zero n



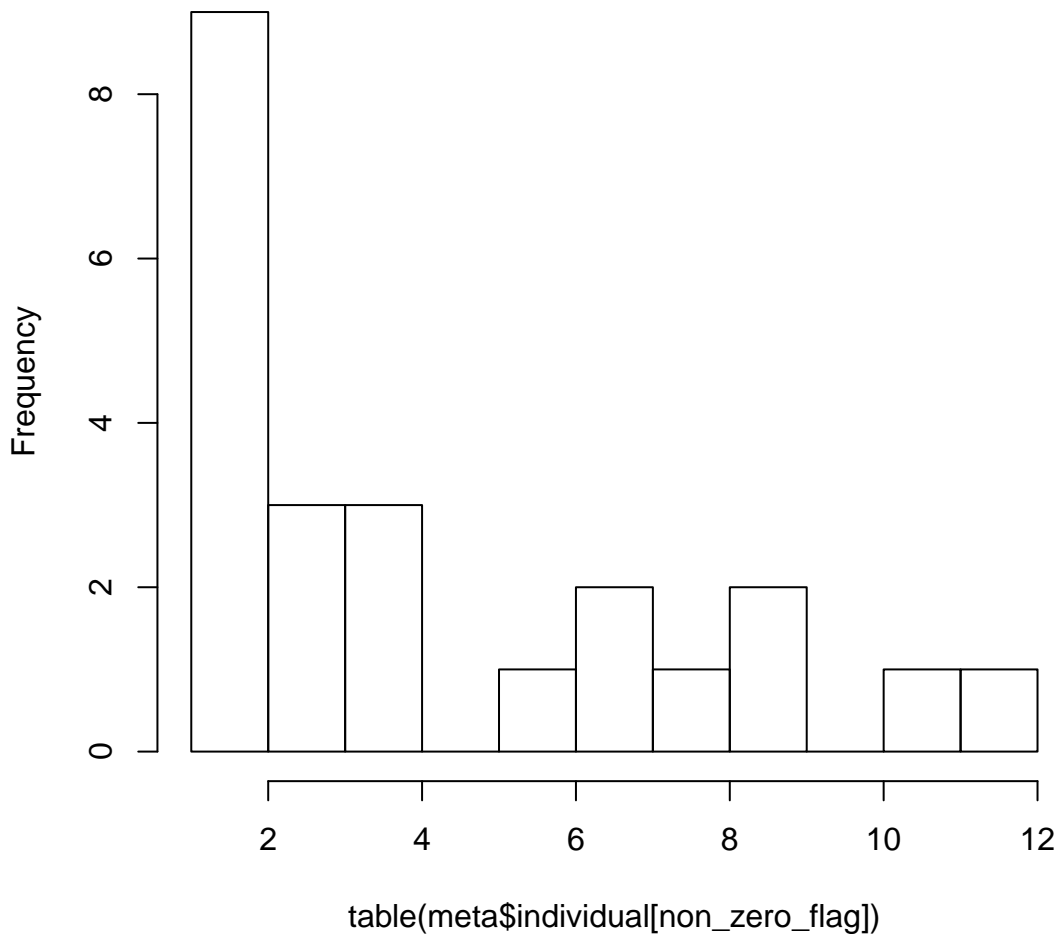
KSless sig: individual expression cell count of gene#40



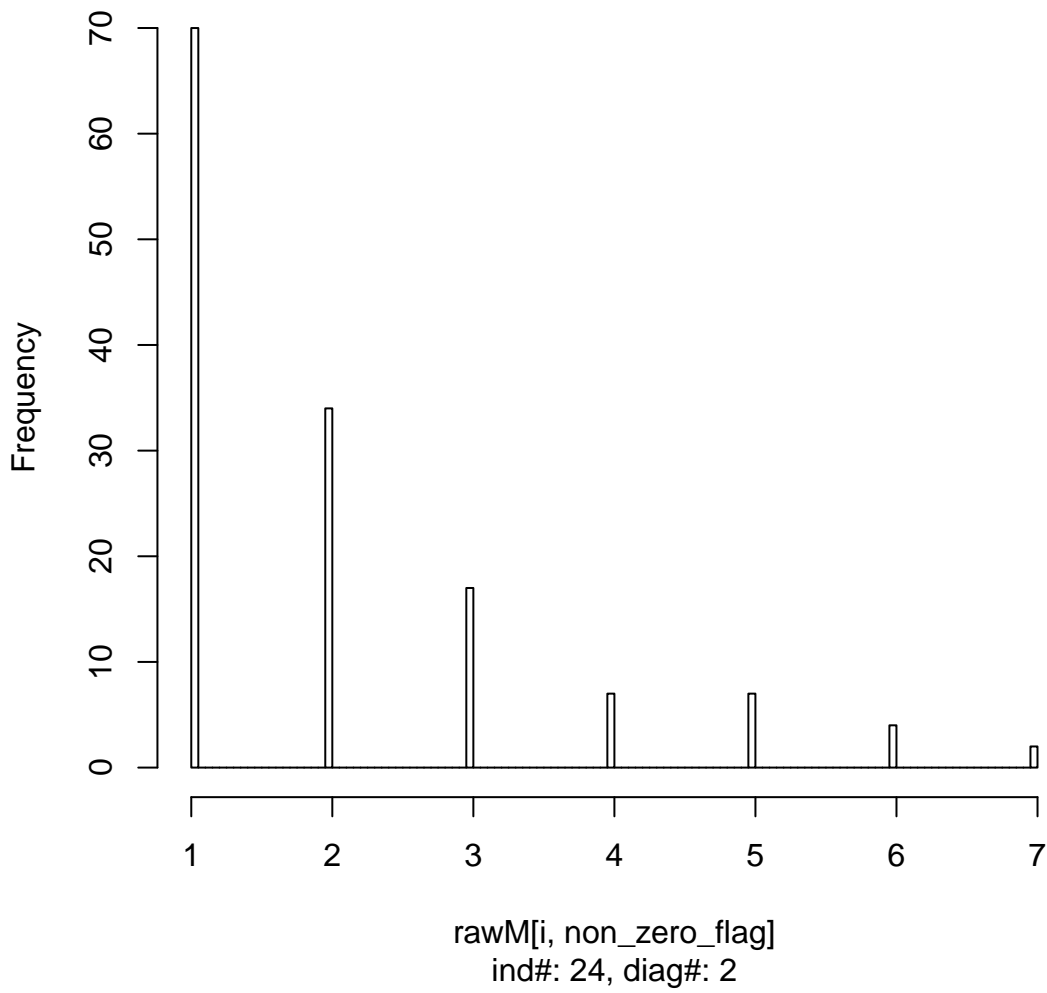
less sig: log expression of gene#62, pval ob=0.2974, non-zero nu



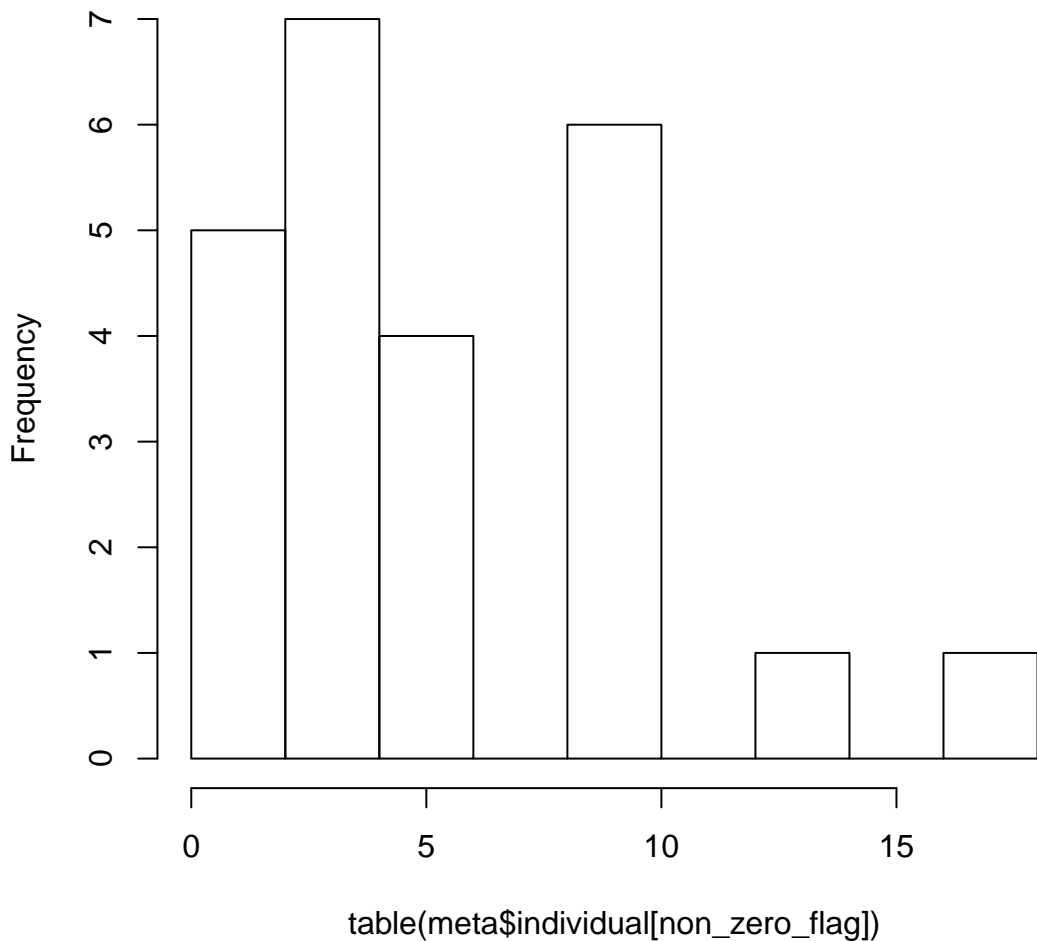
KSless sig: individual expression cell count of gene#62



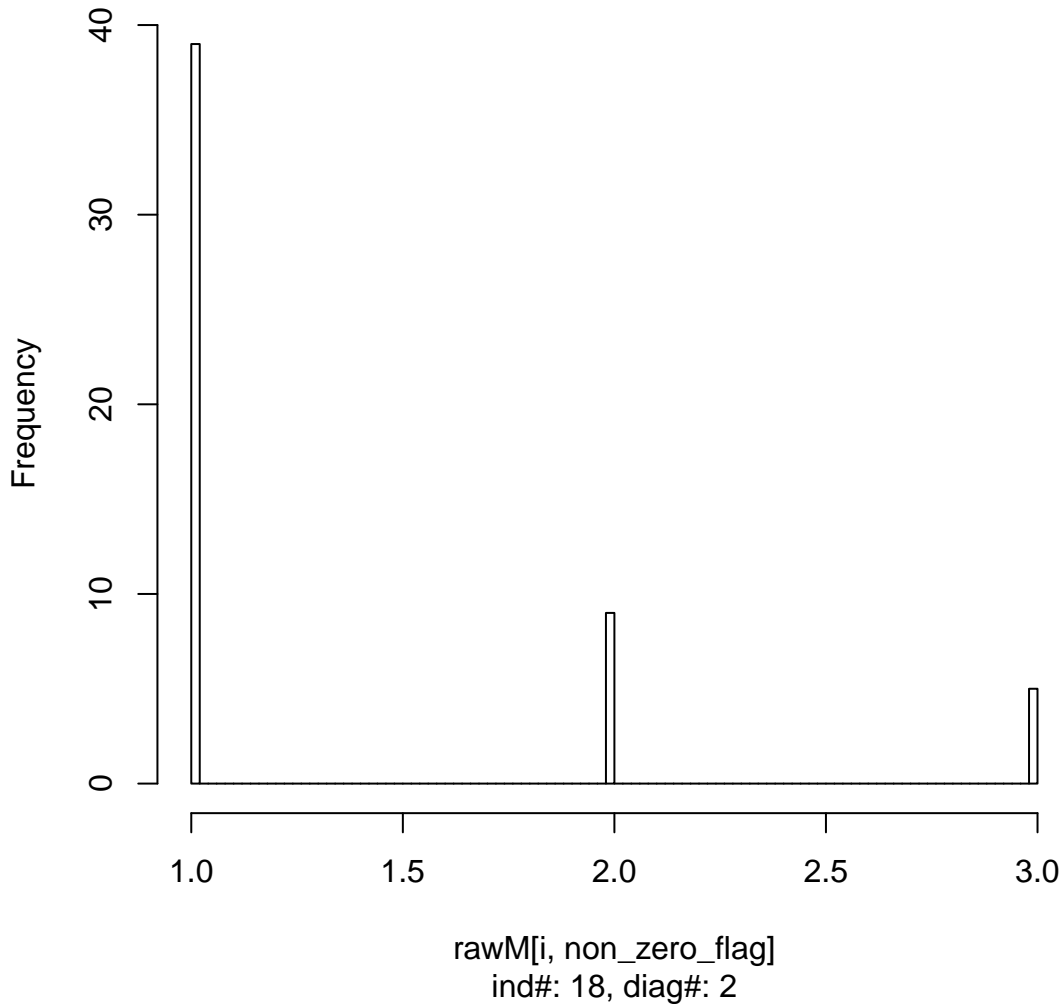
less sig: log expression of gene#66, pval ob=0.0592, non-zero nu



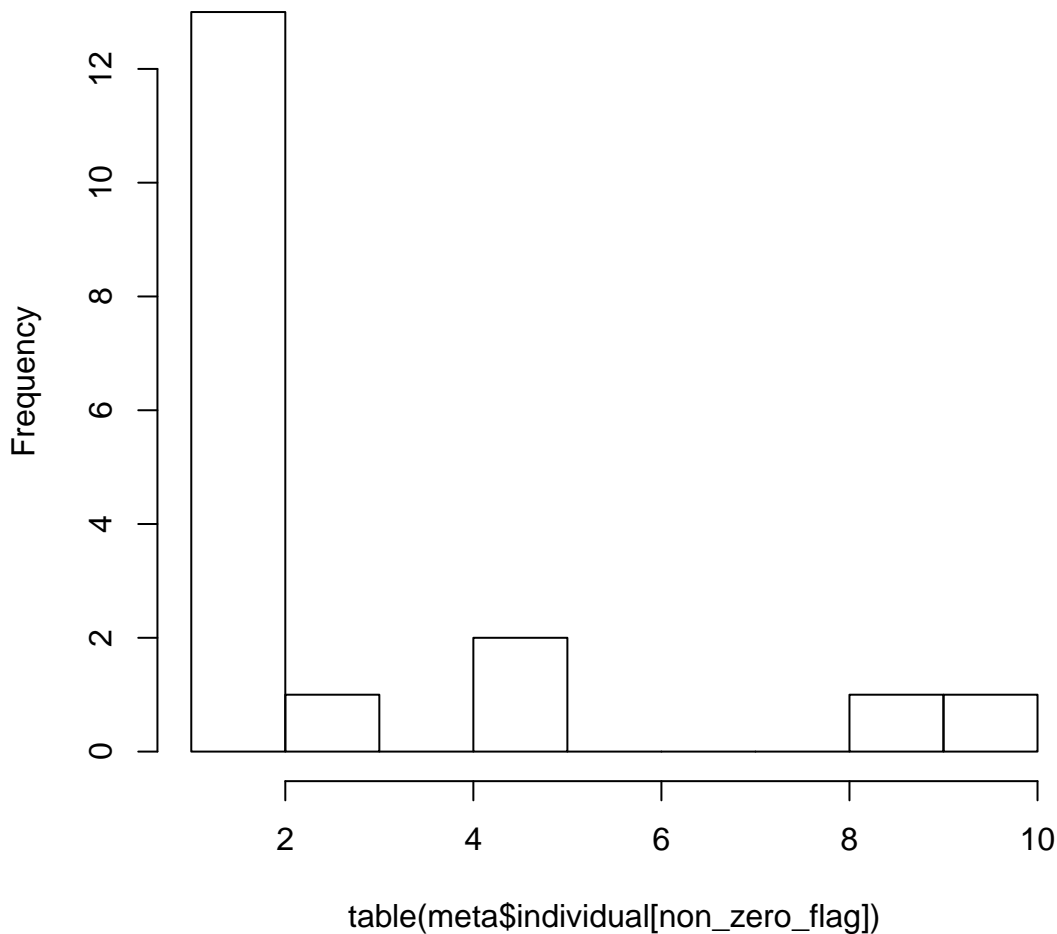
KSless sig: individual expression cell count of gene#66



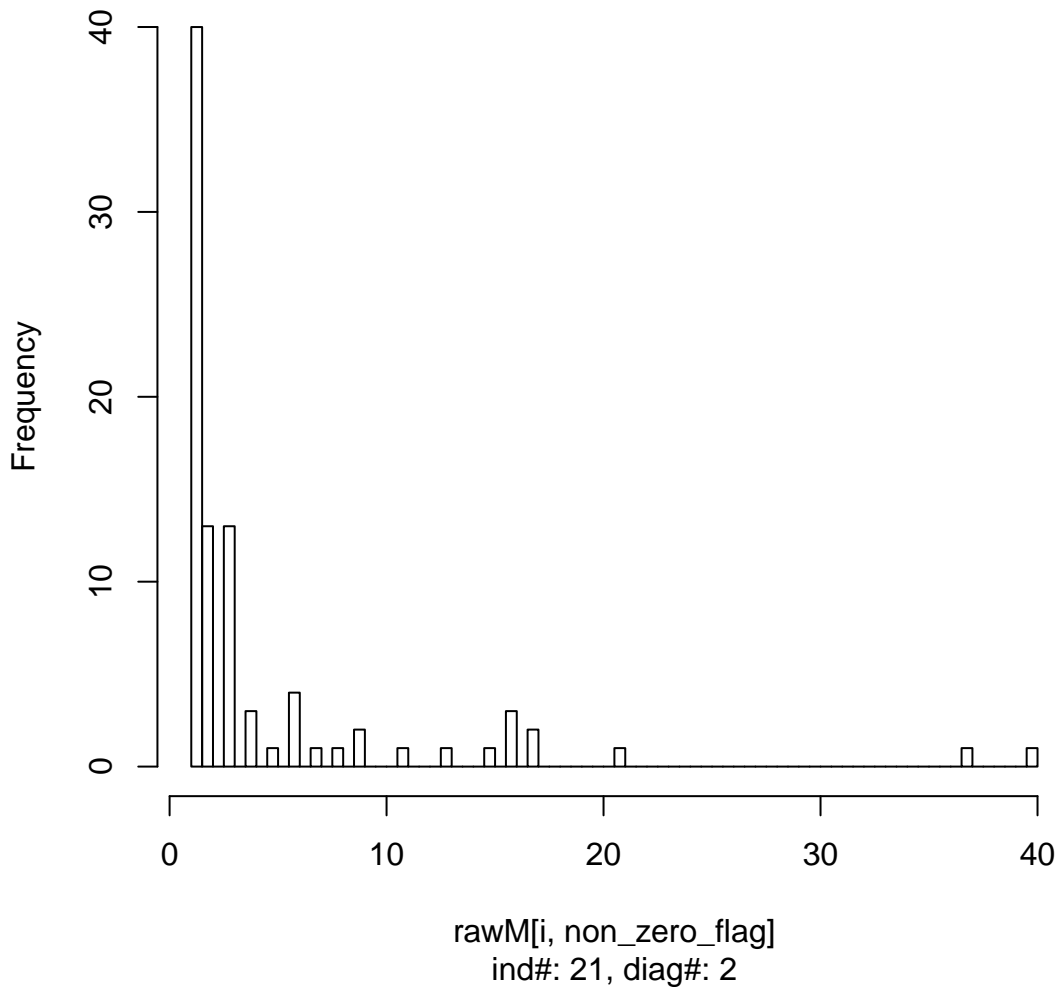
less sig: log expression of gene#72, pval ob=0.5378, non-zero n



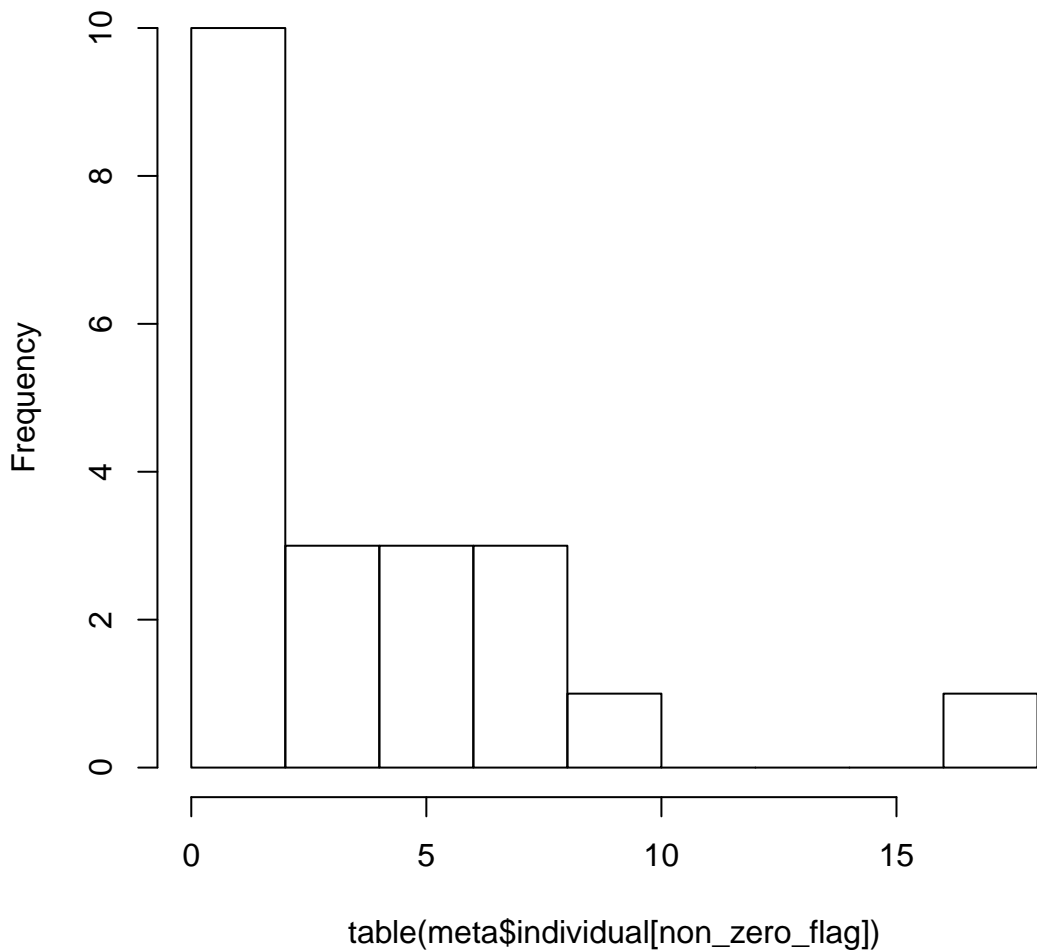
KSless sig: individual expression cell count of gene#72



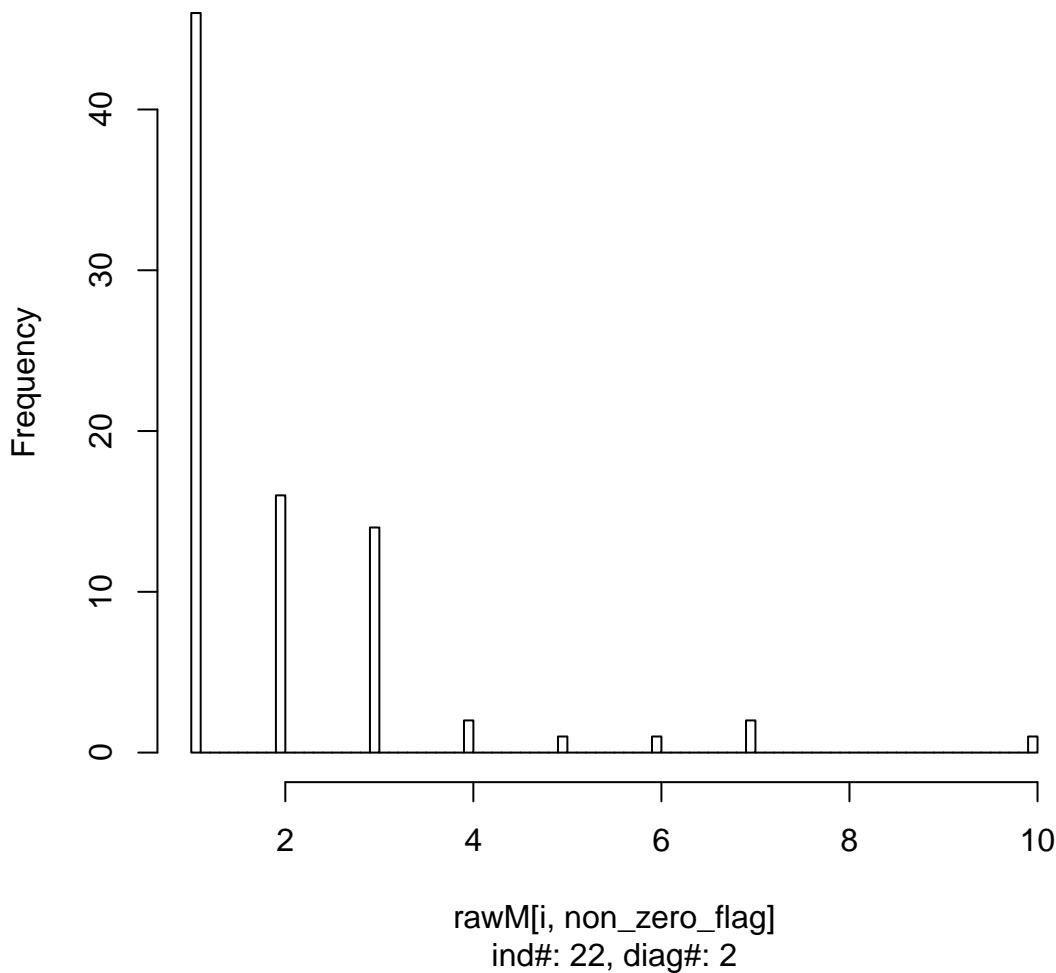
less sig: log expression of gene#83, pval ob=3e-04, non-zero n



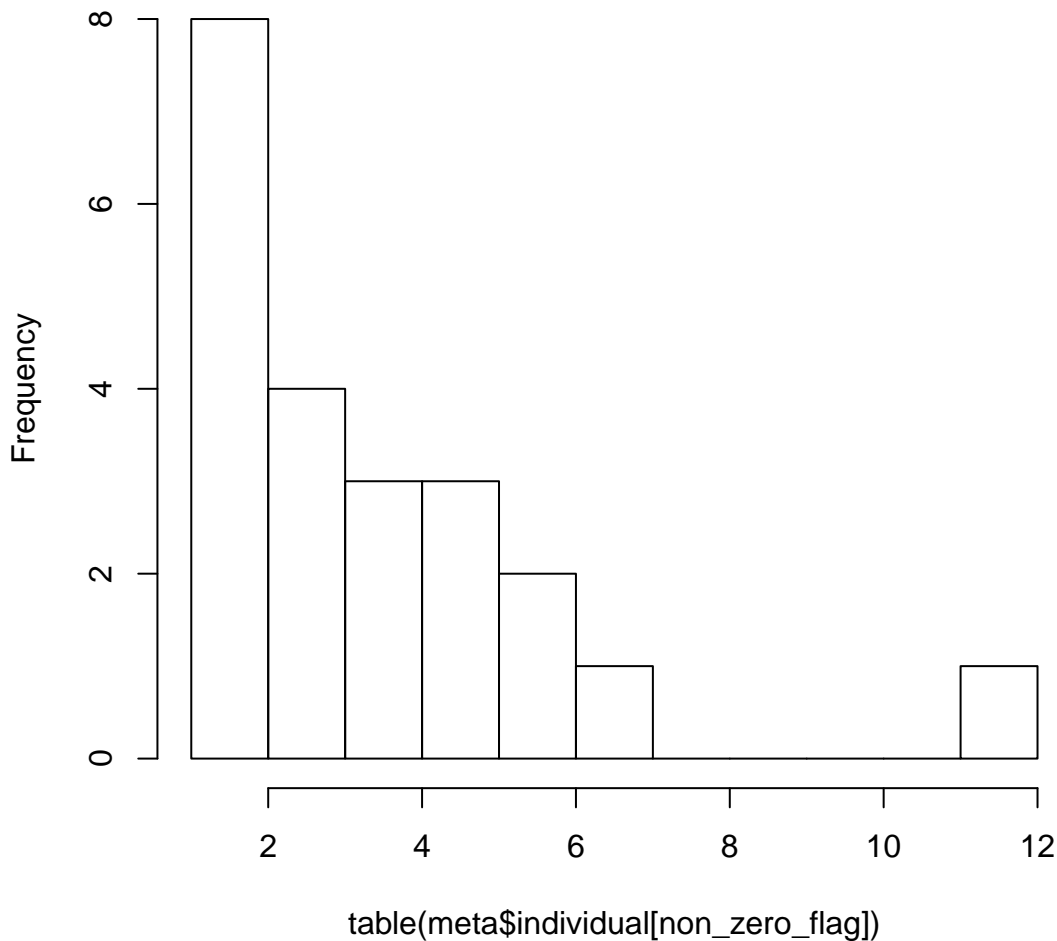
KSless sig: individual expression cell count of gene#83



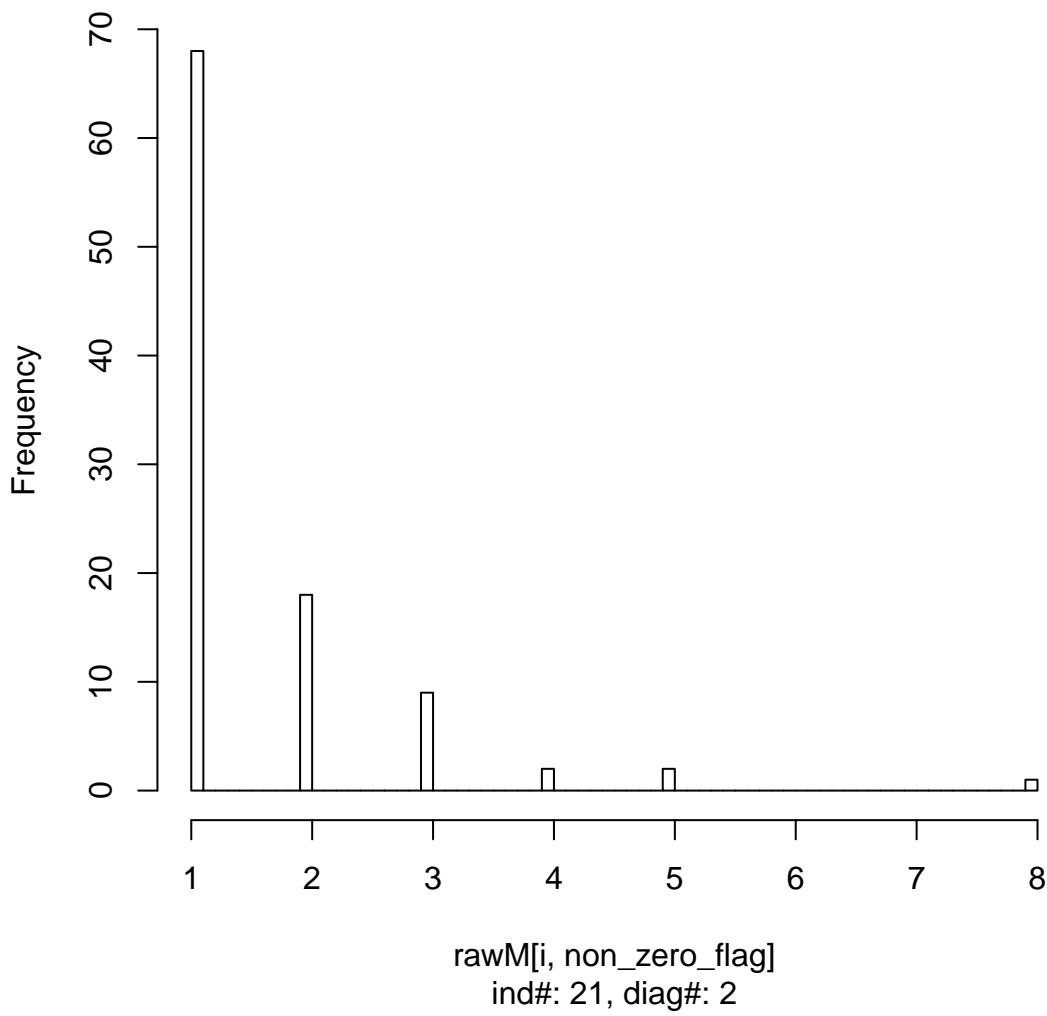
less sig: log expression of gene#84, pval ob=0.8796, non-zero n



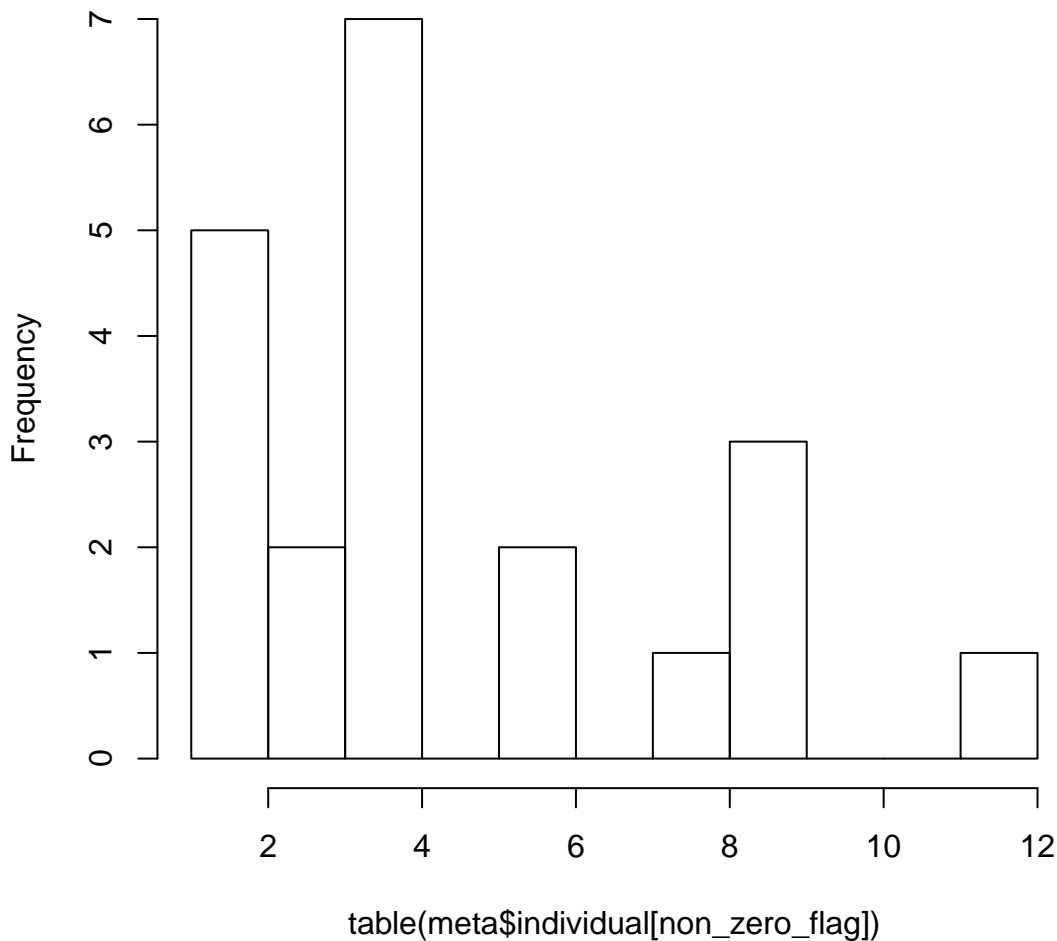
KSless sig: individual expression cell count of gene#84



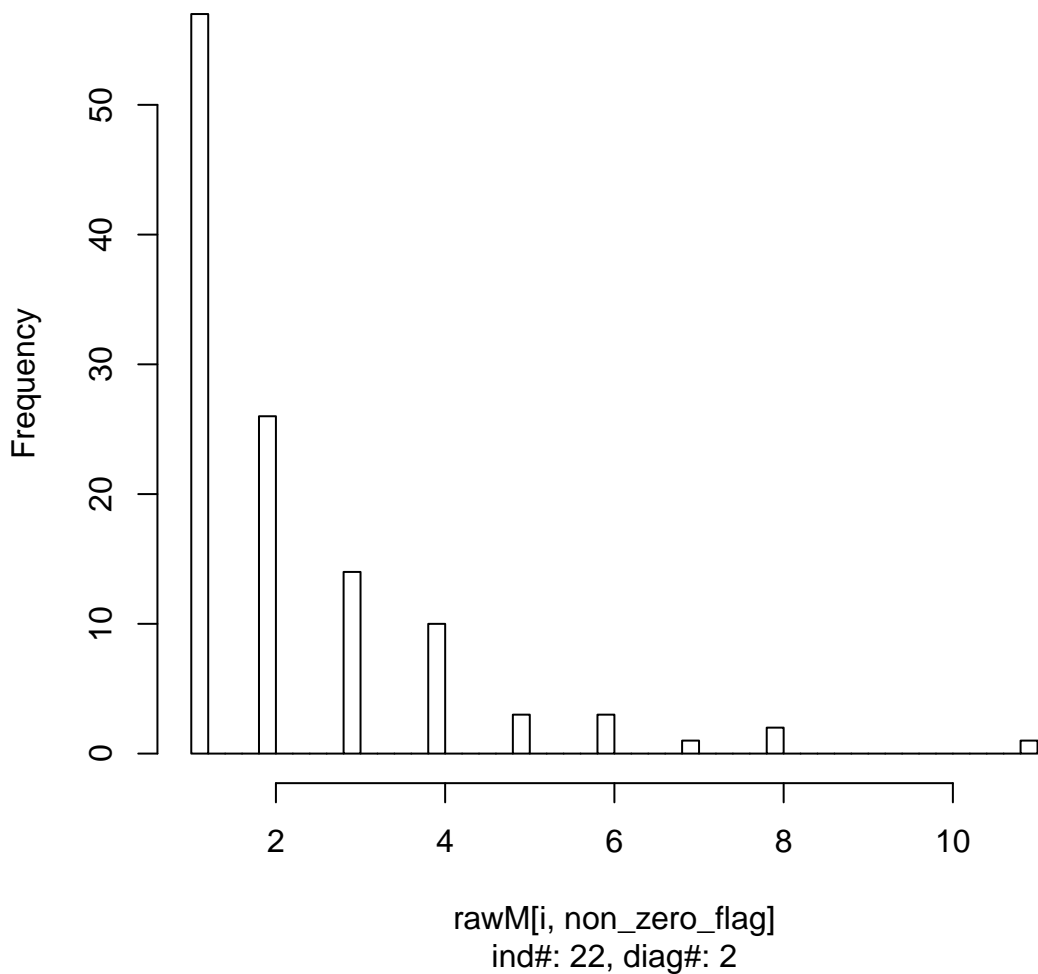
less sig: log expression of gene#87, pval ob=0.257, non-zero nu



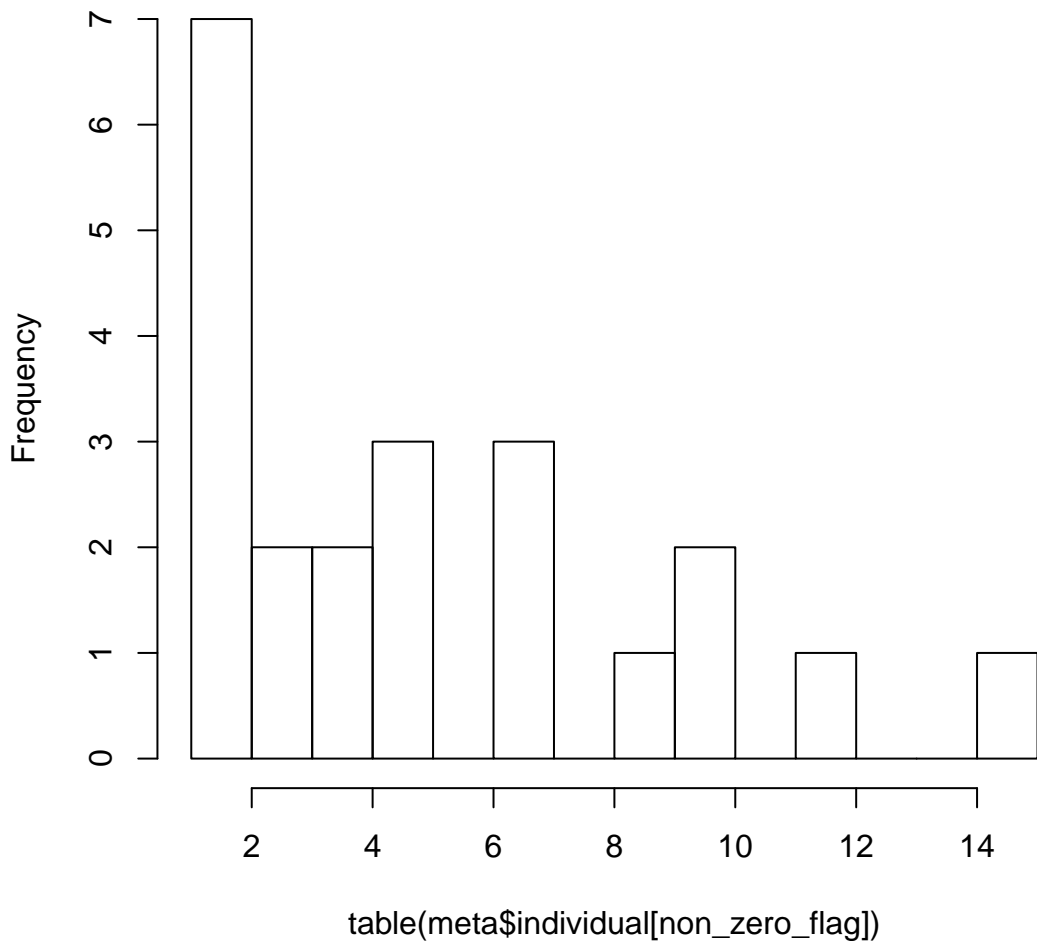
KSless sig: individual expression cell count of gene#87



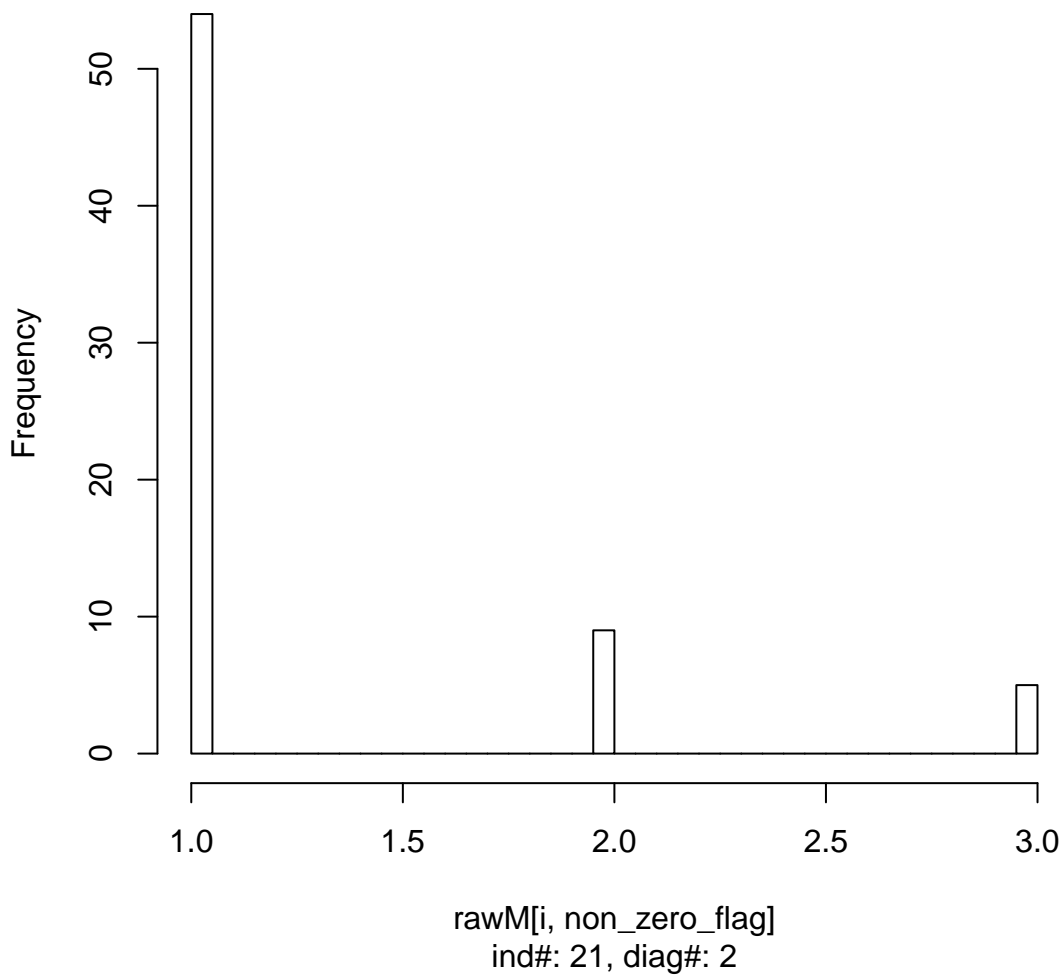
nsig: log expression of gene#16, pval ob=0.0472, non-zero nu



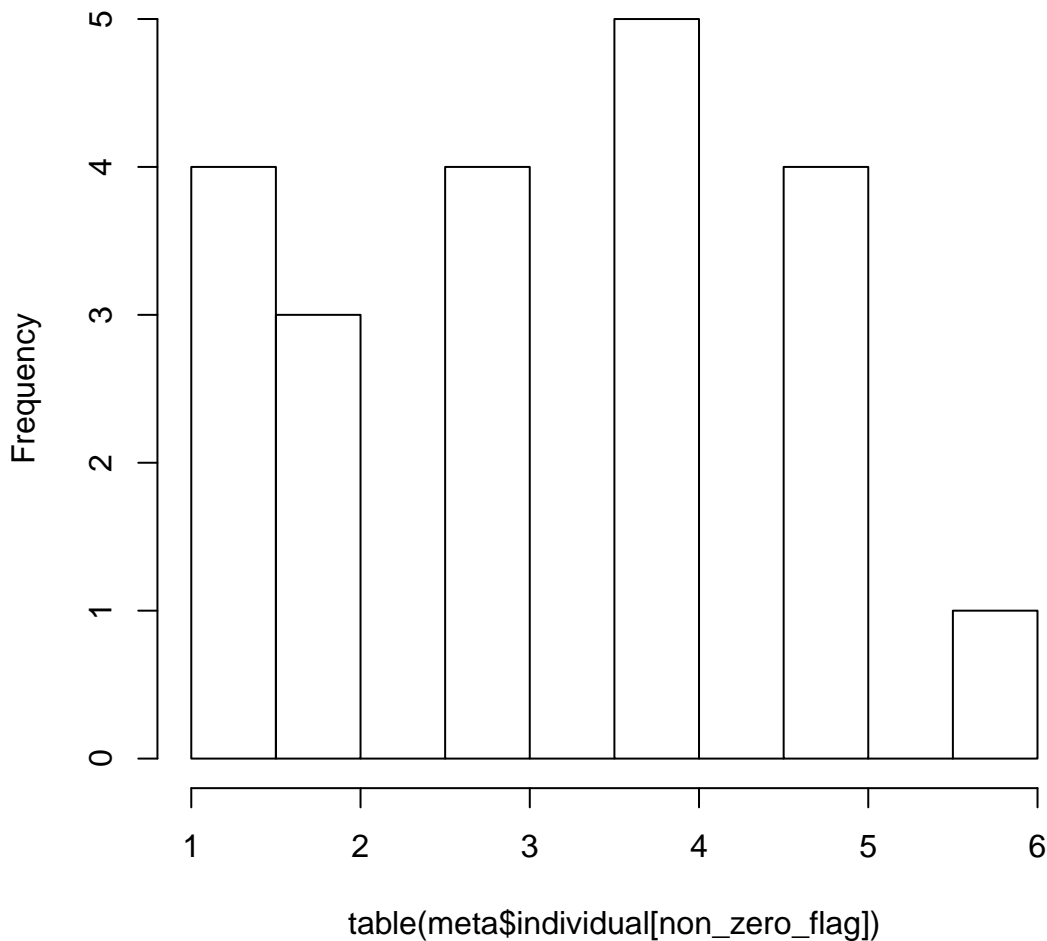
KSless nonsig: individual expression cell count of gene#16



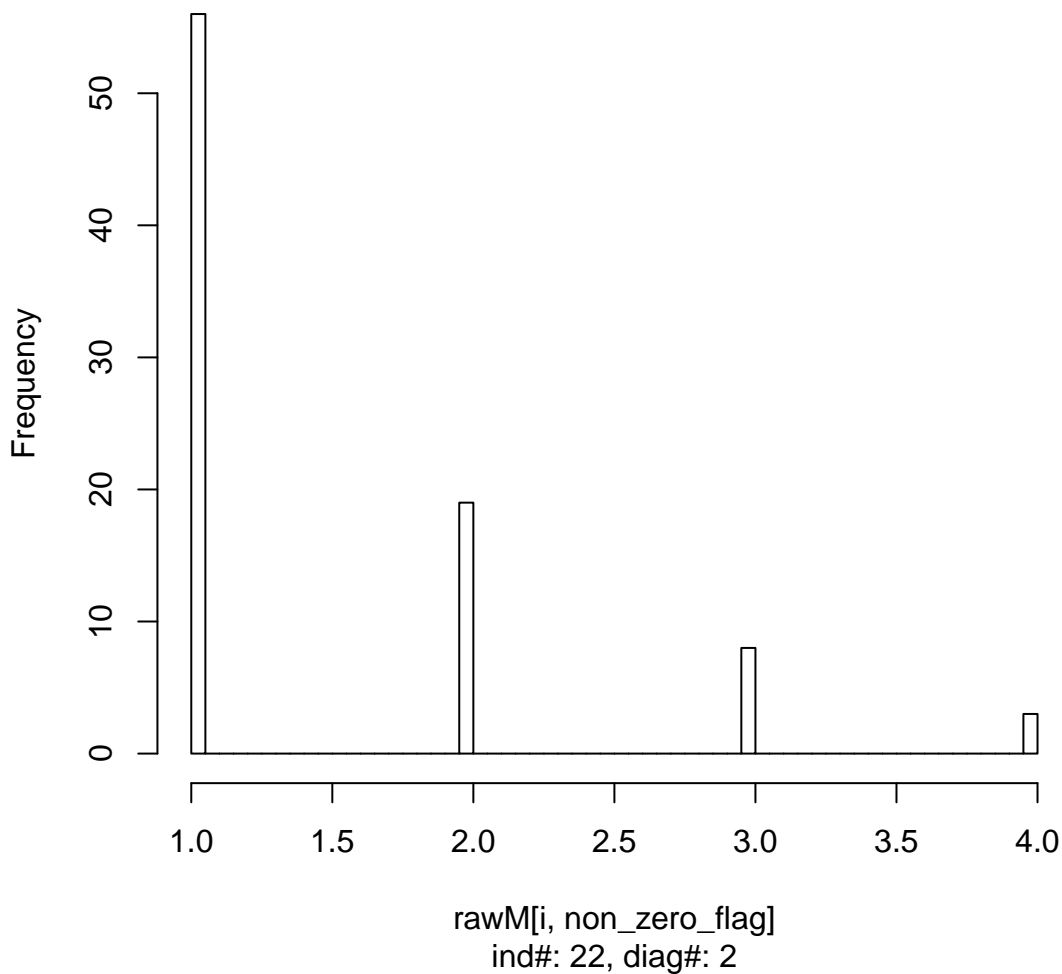
S nonsig: log expression of gene#18, pval ob=0.1922, non-zero n



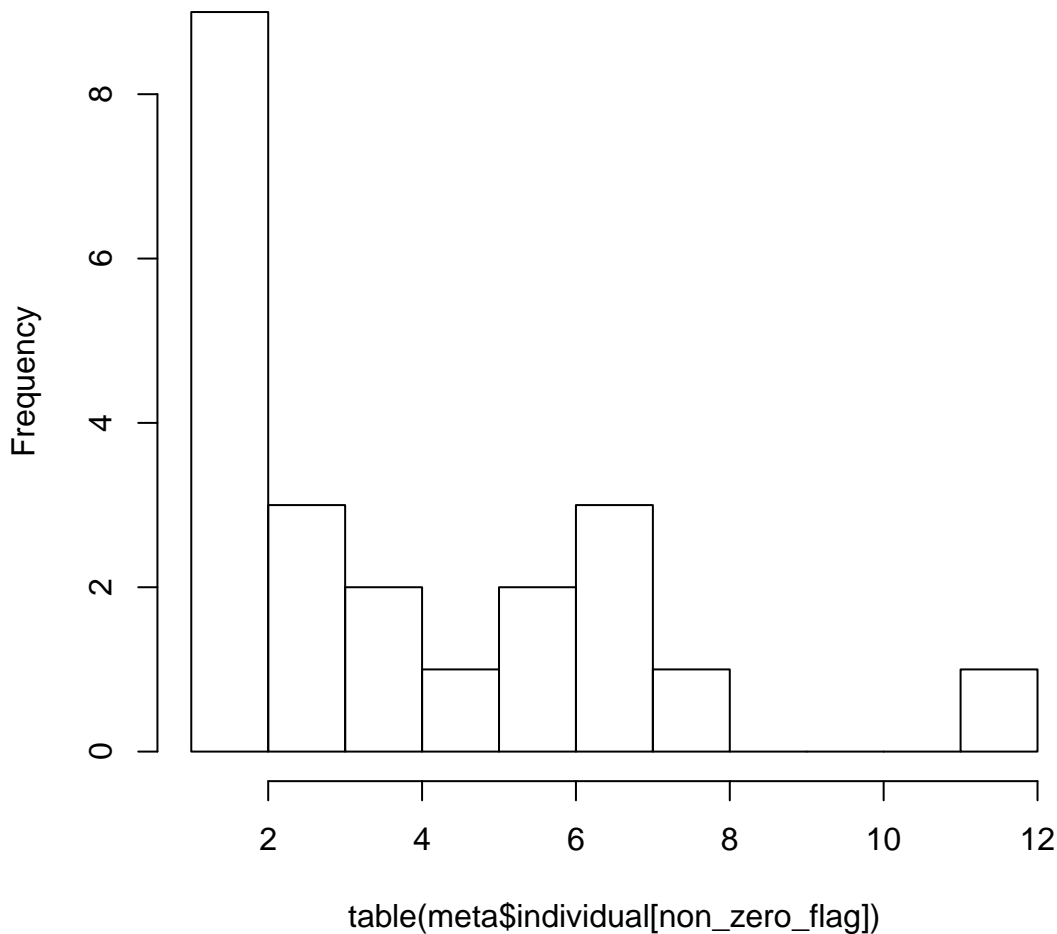
KSless nonsig: individual expression cell count of gene#18



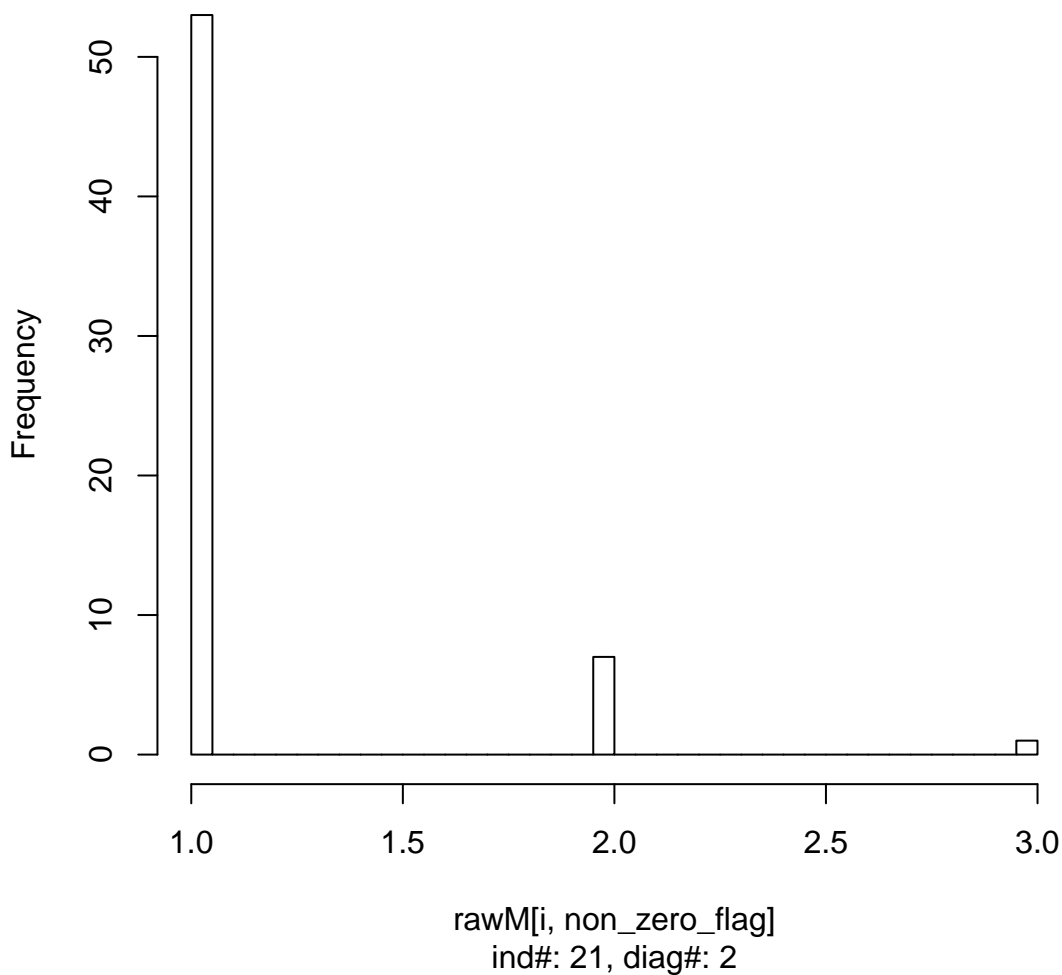
S nonsig: log expression of gene#21, pval ob=0.0928, non-zero n



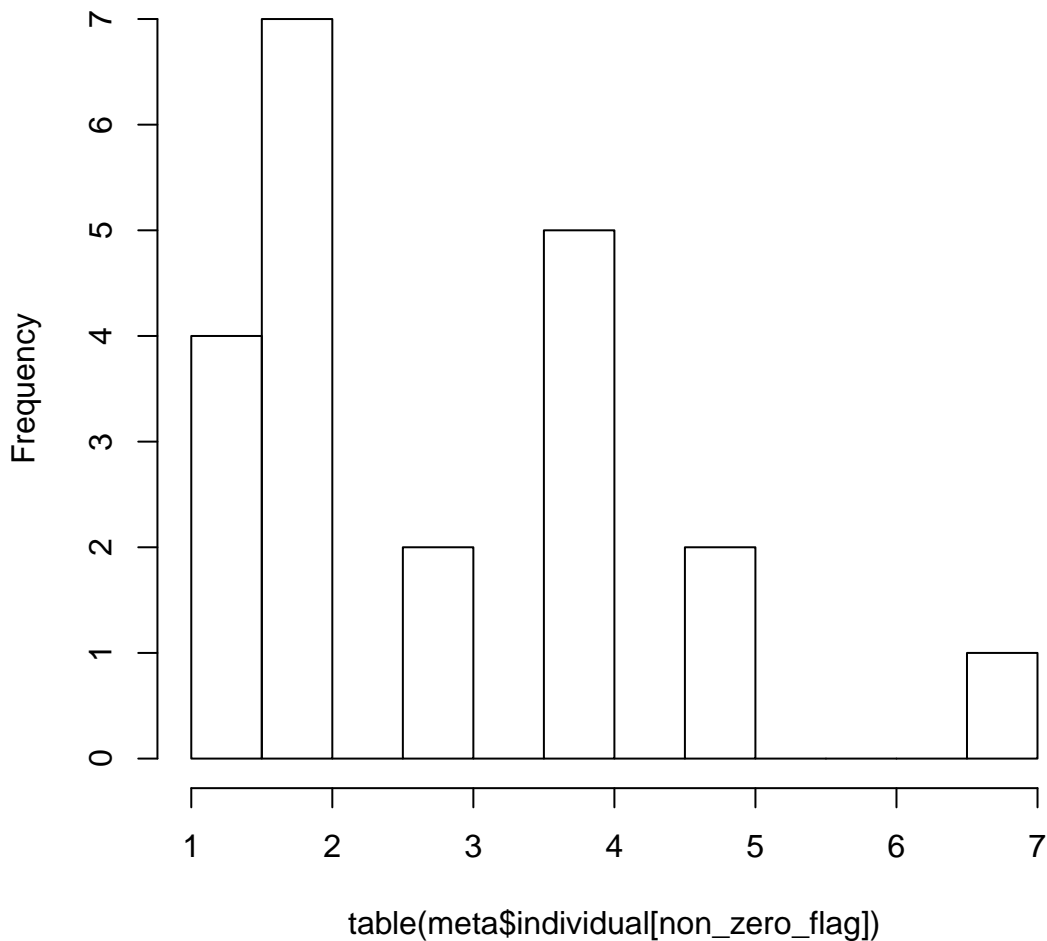
KSless nonsig: individual expression cell count of gene#21



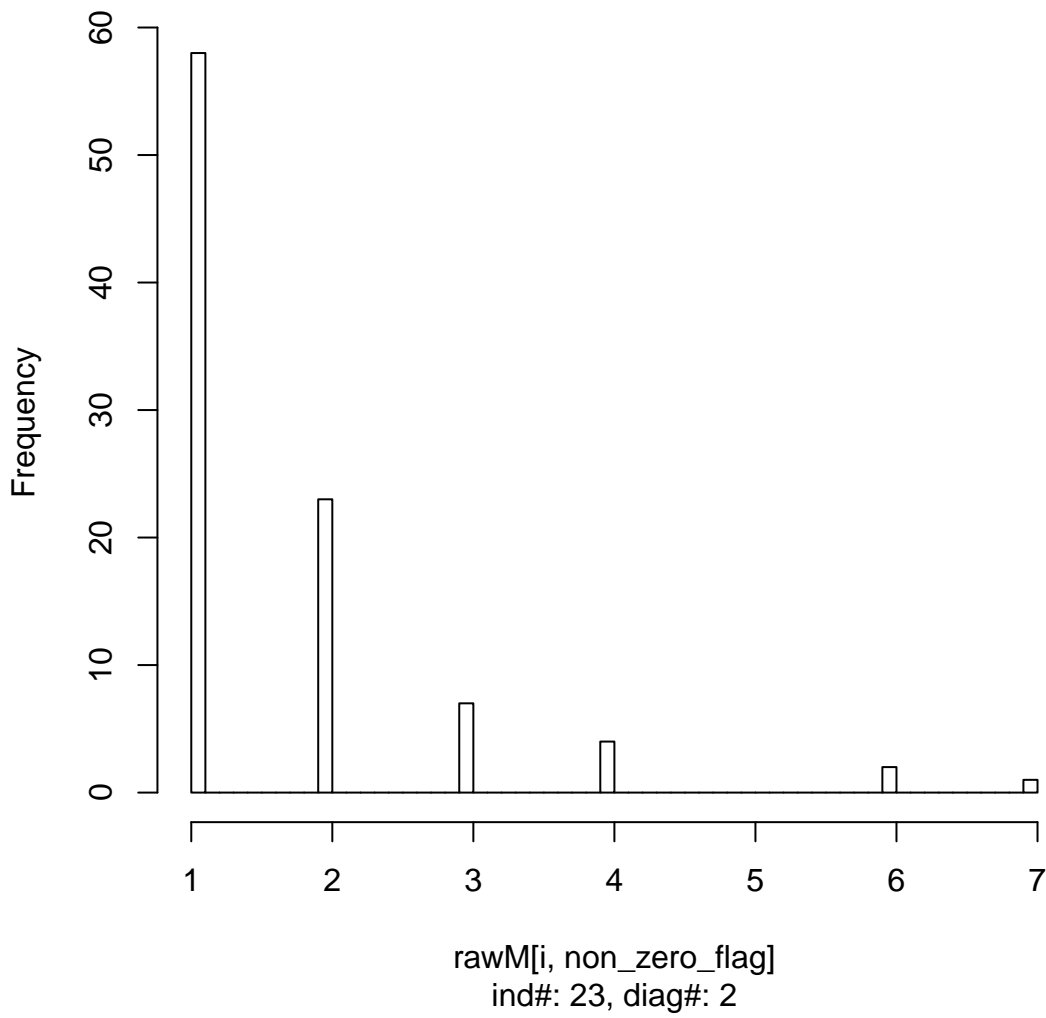
S nonsig: log expression of gene#25, pval ob=0.7008, non-zero n



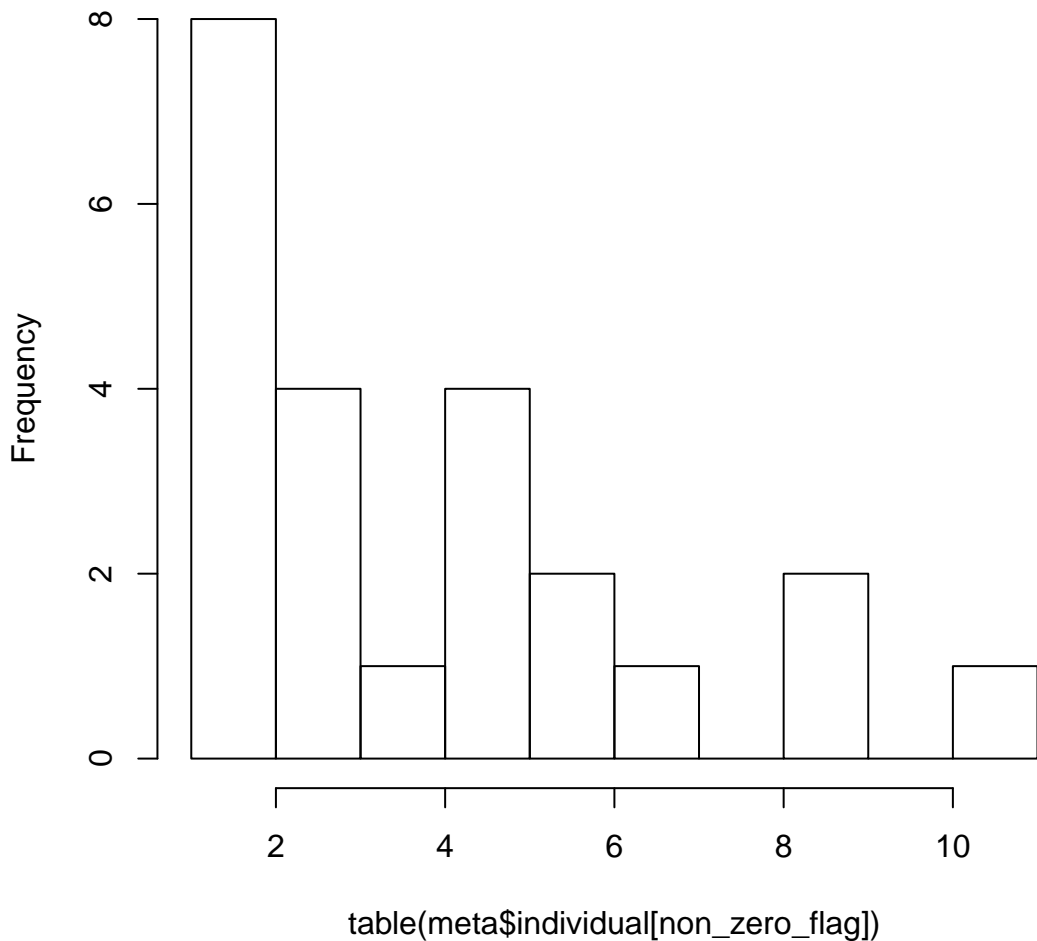
KSless nonsig: individual expression cell count of gene#25



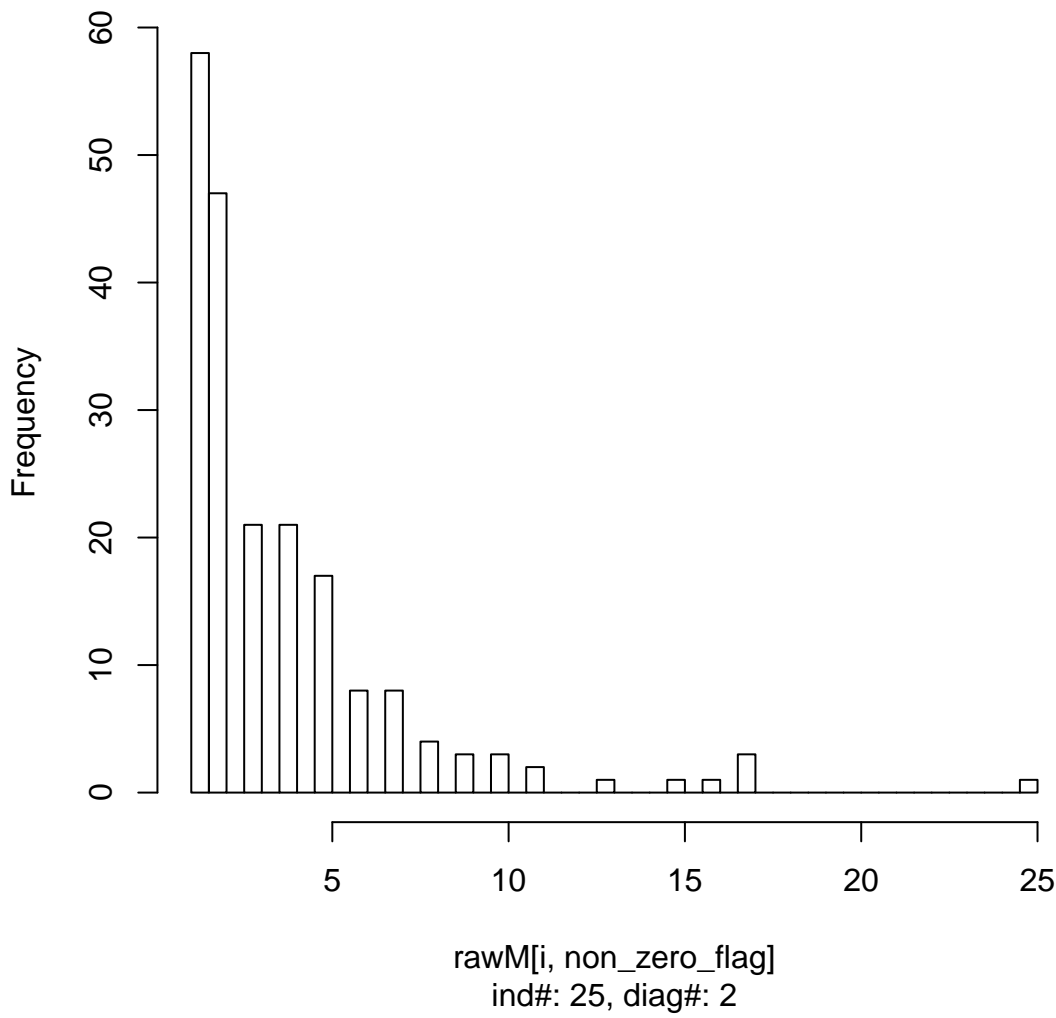
S nonsig: log expression of gene#28, pval ob=0.9381, non-zero n



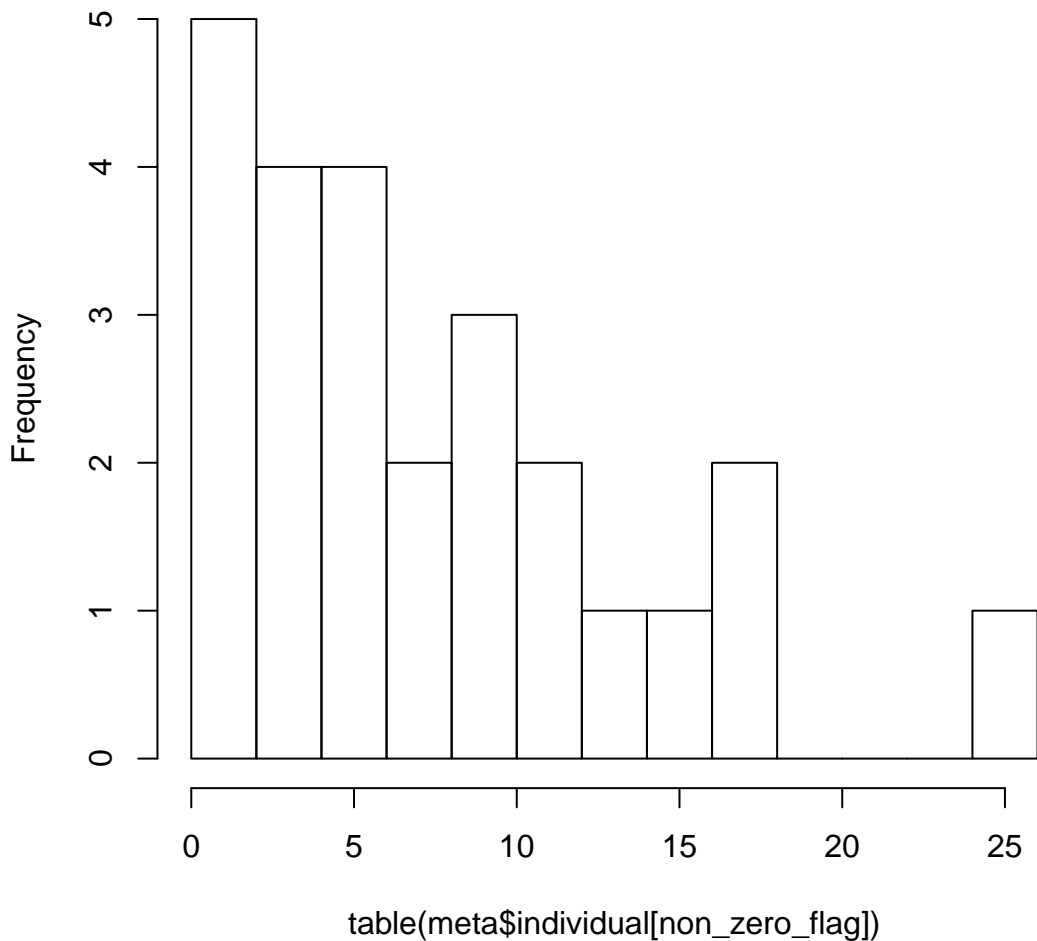
KSless nonsig: individual expression cell count of gene#28



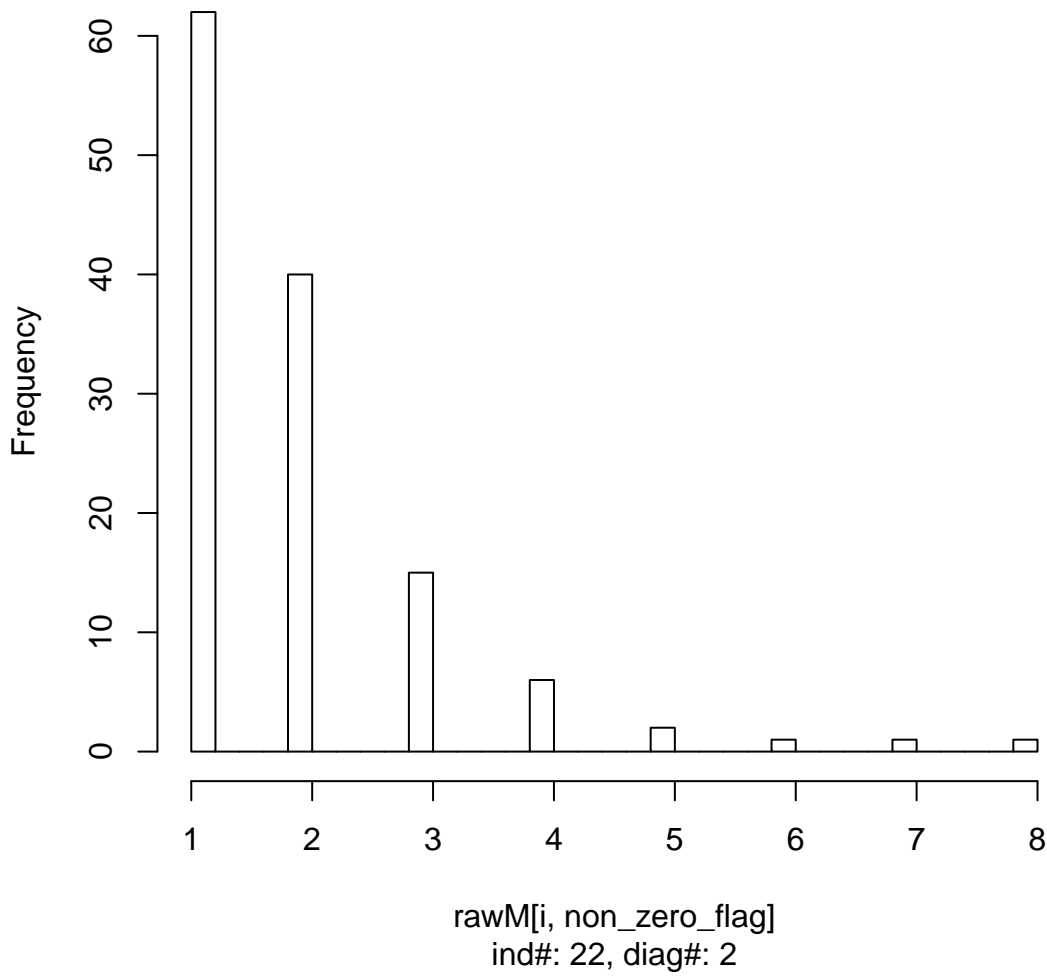
ns nonsig: log expression of gene#31, pval ob=0.1701, non-zero nu



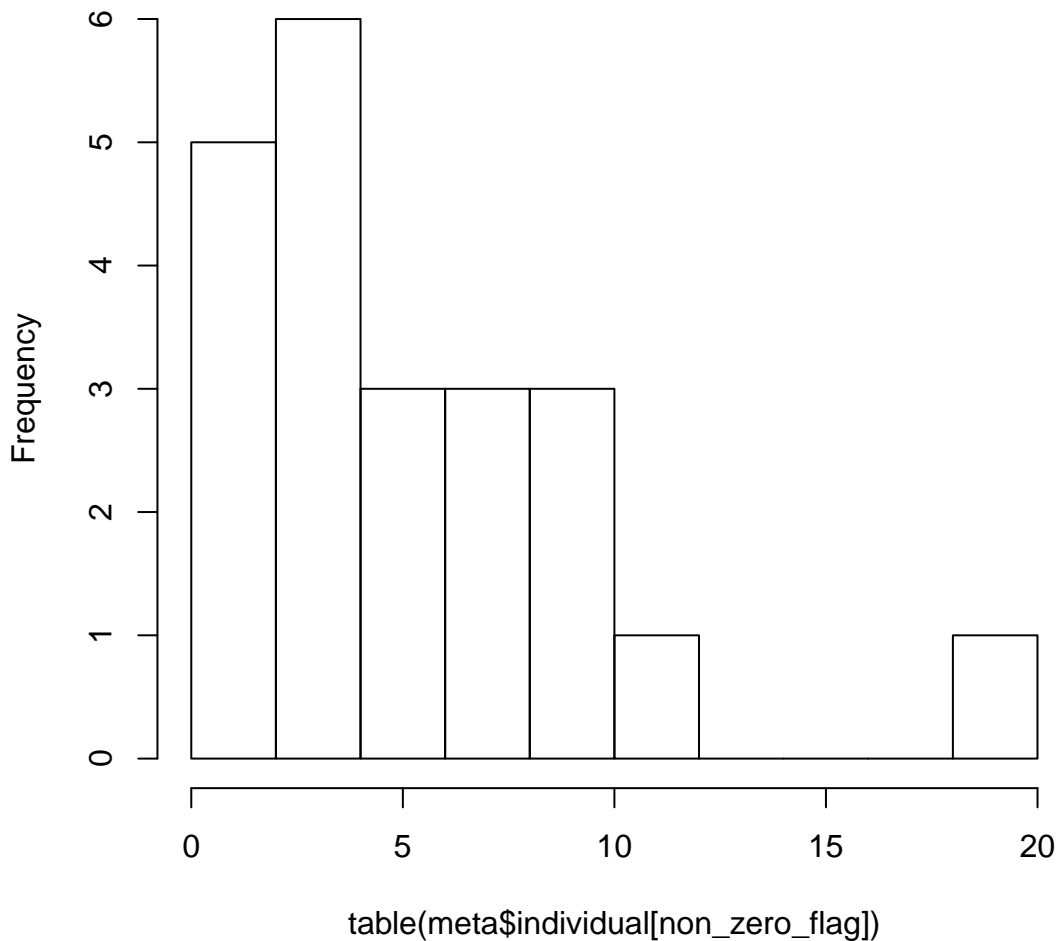
KSless nonsig: individual expression cell count of gene#31



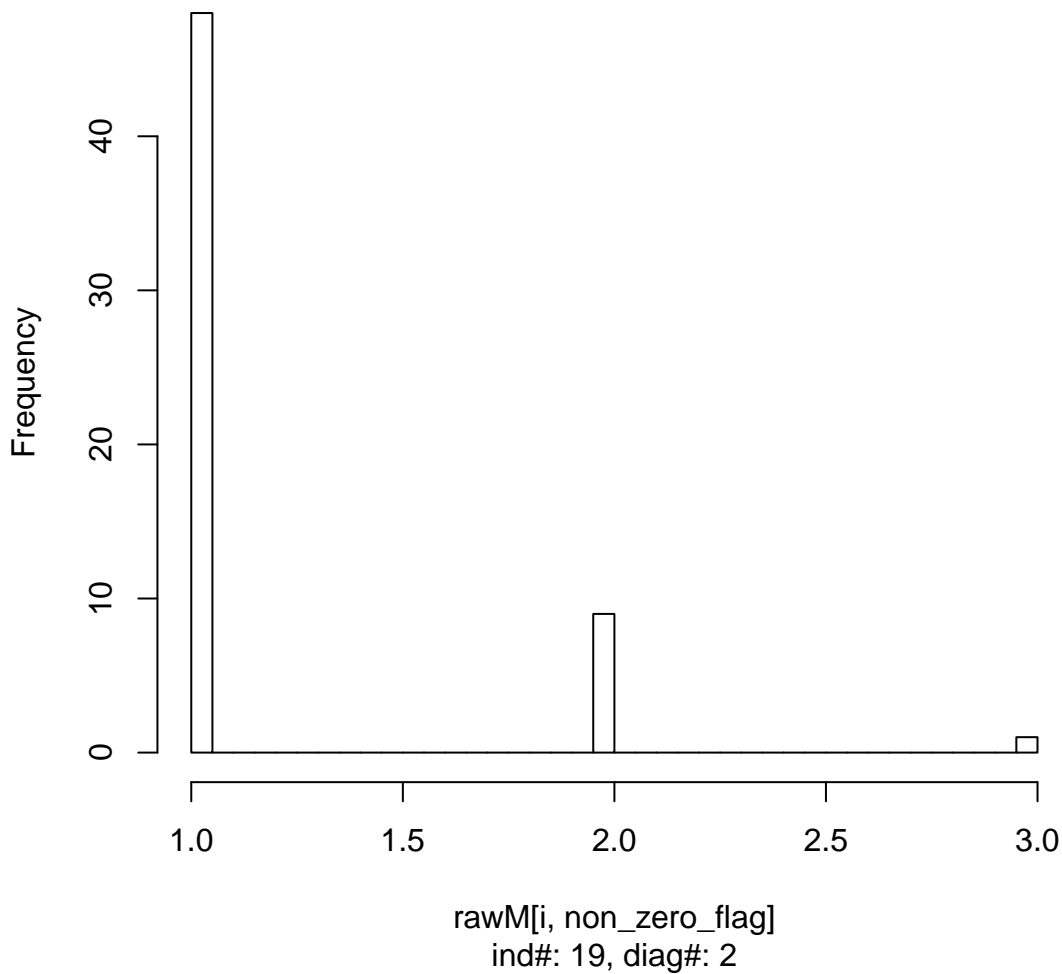
nsig: log expression of gene#34, pval ob=0.5862, non-zero nu



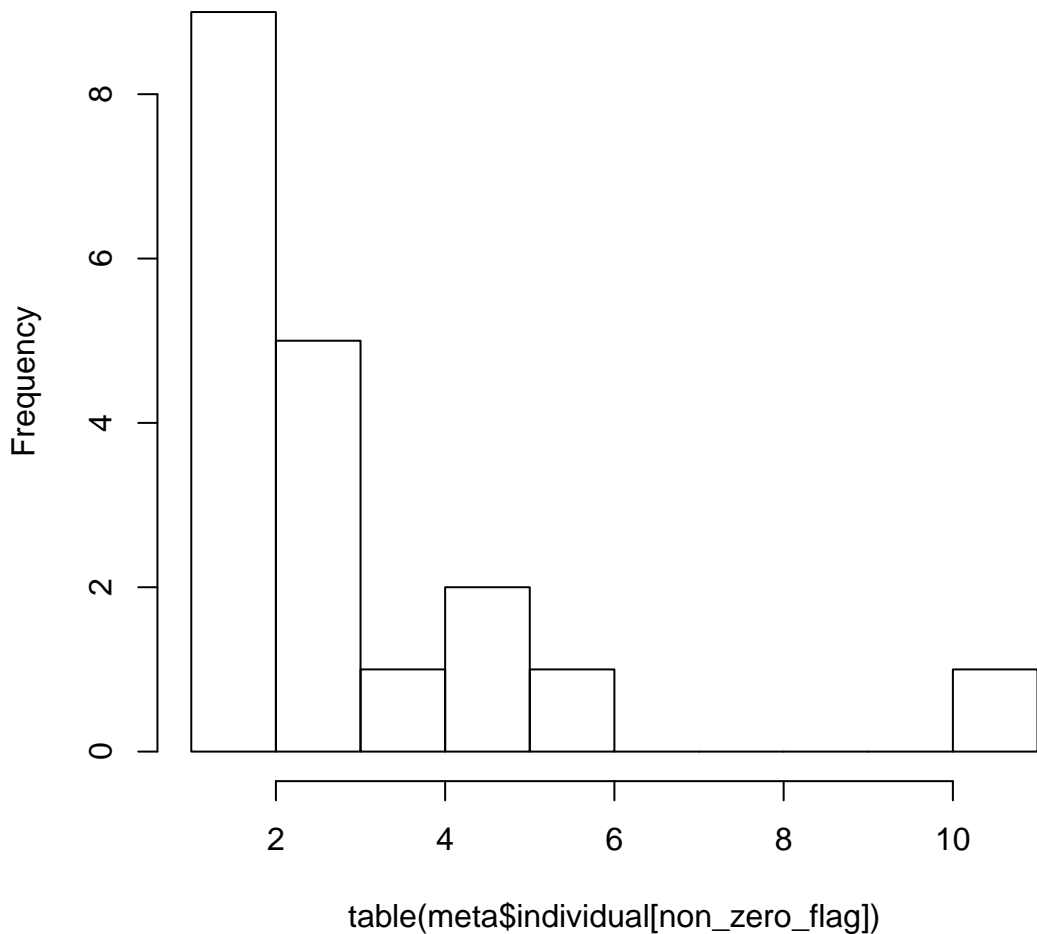
KSless nonsig: individual expression cell count of gene#34



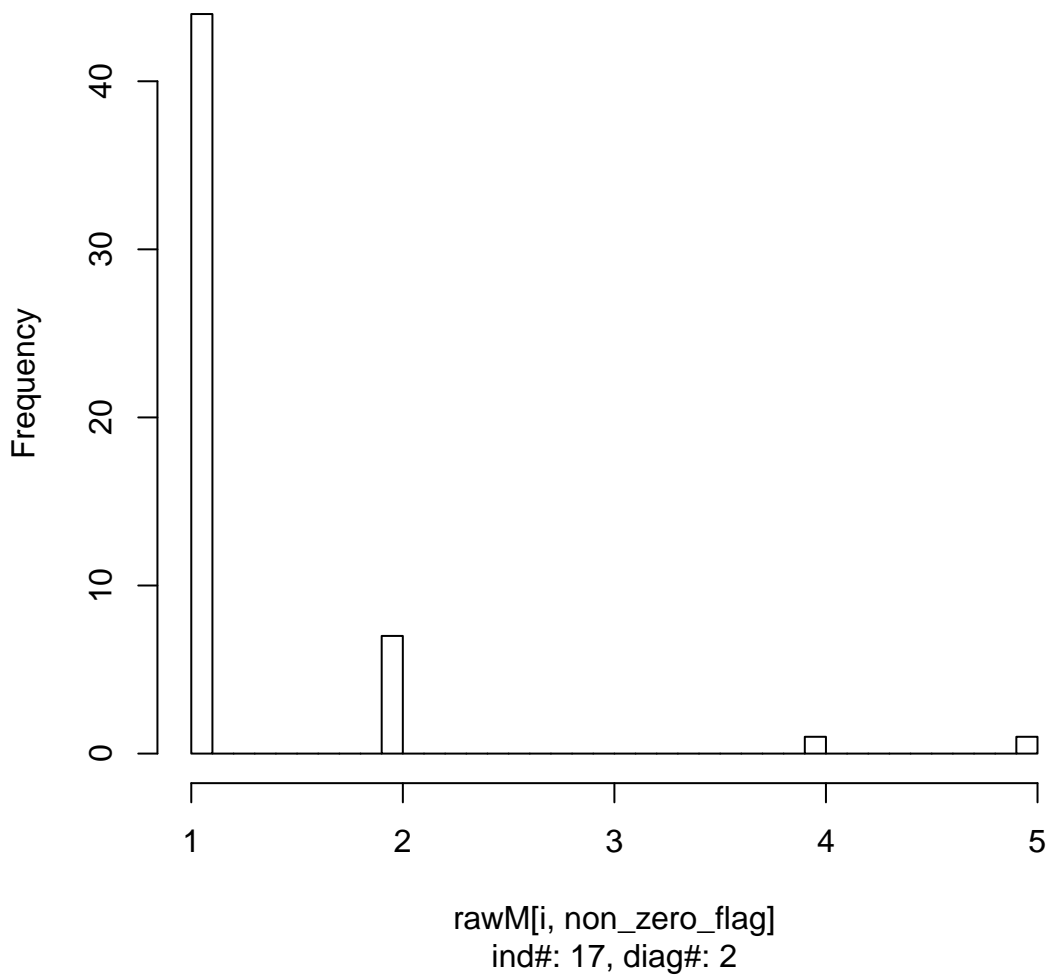
S nonsig: log expression of gene#36, pval ob=0.5847, non-zero n



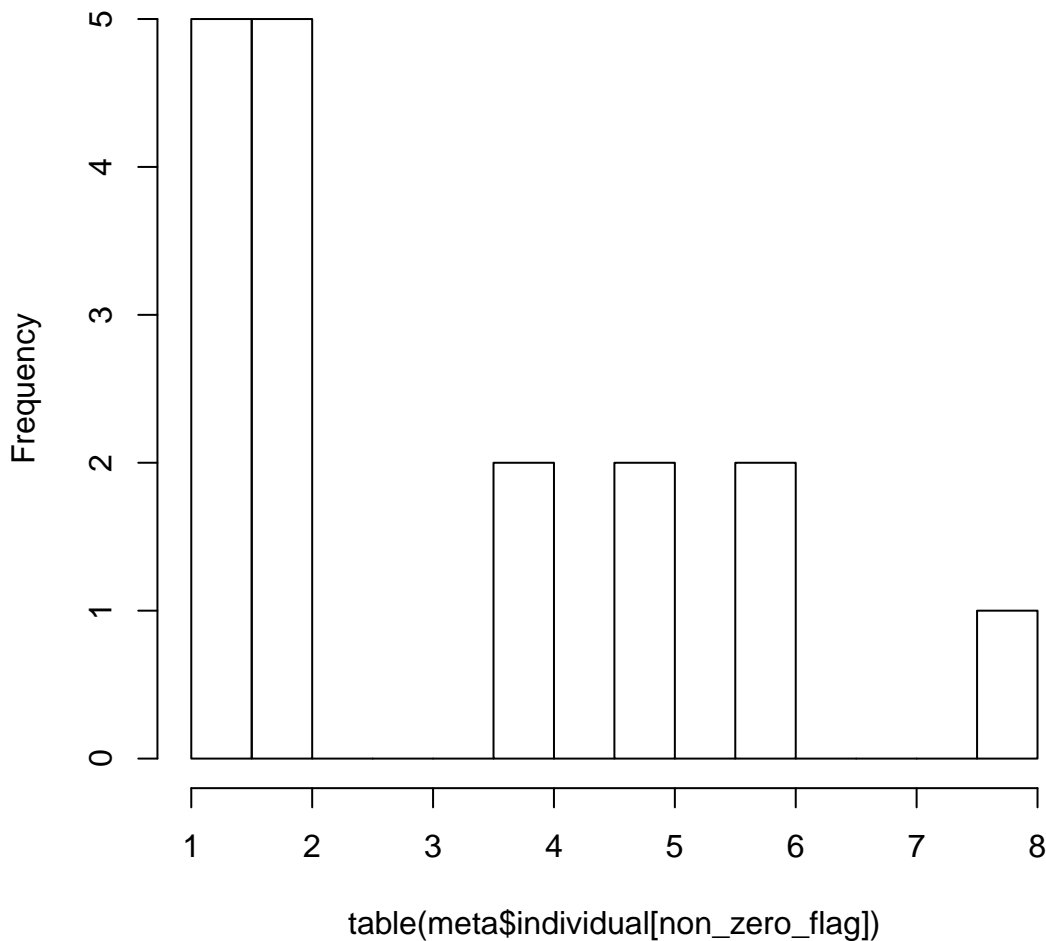
KSless nonsig: individual expression cell count of gene#36



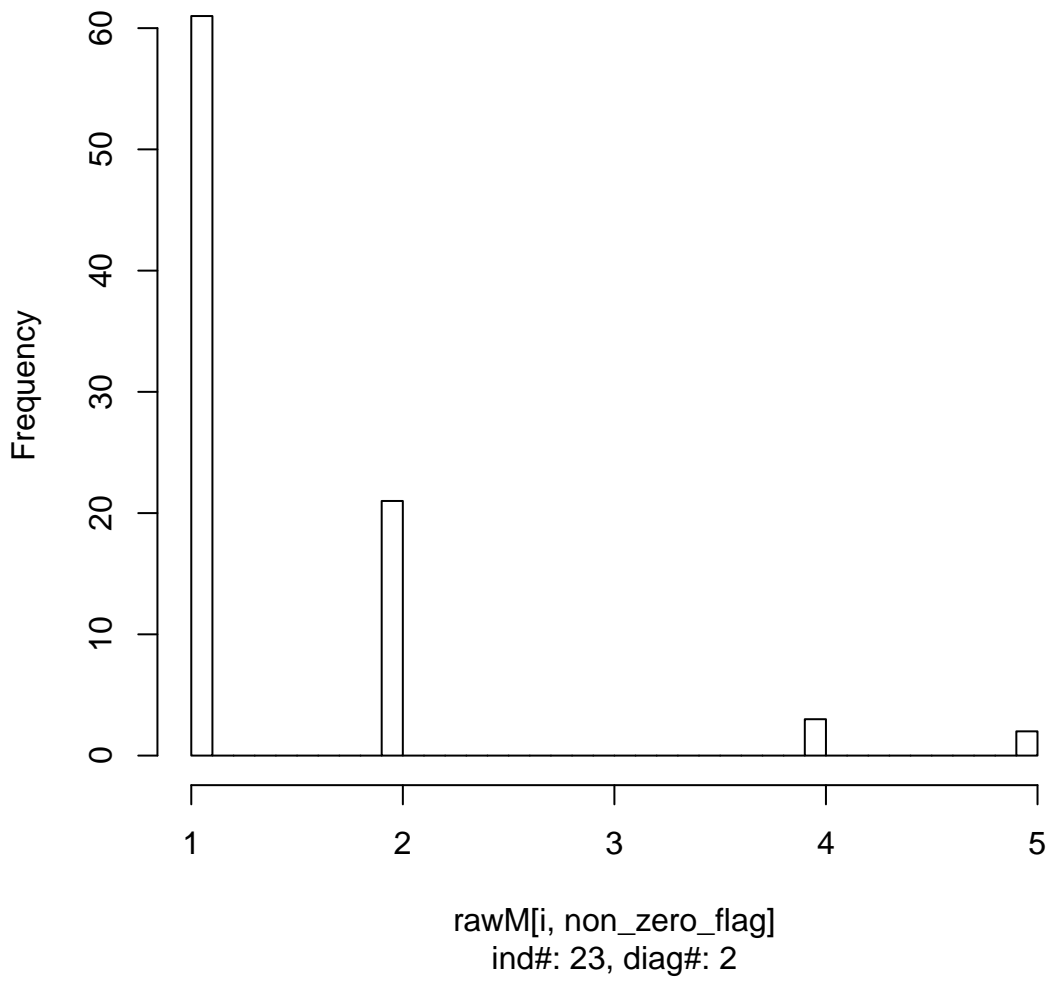
S nonsig: log expression of gene#41, pval ob=0.3617, non-zero n



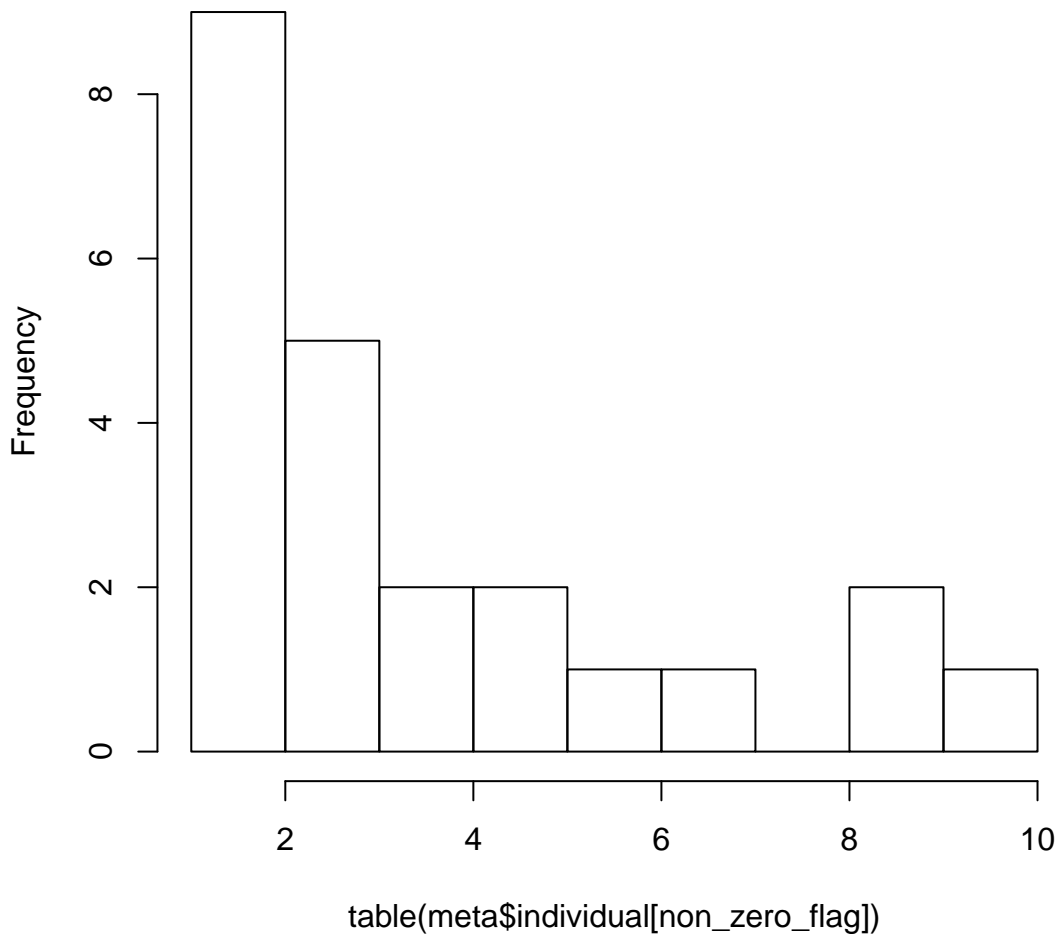
KSless nonsig: individual expression cell count of gene#41



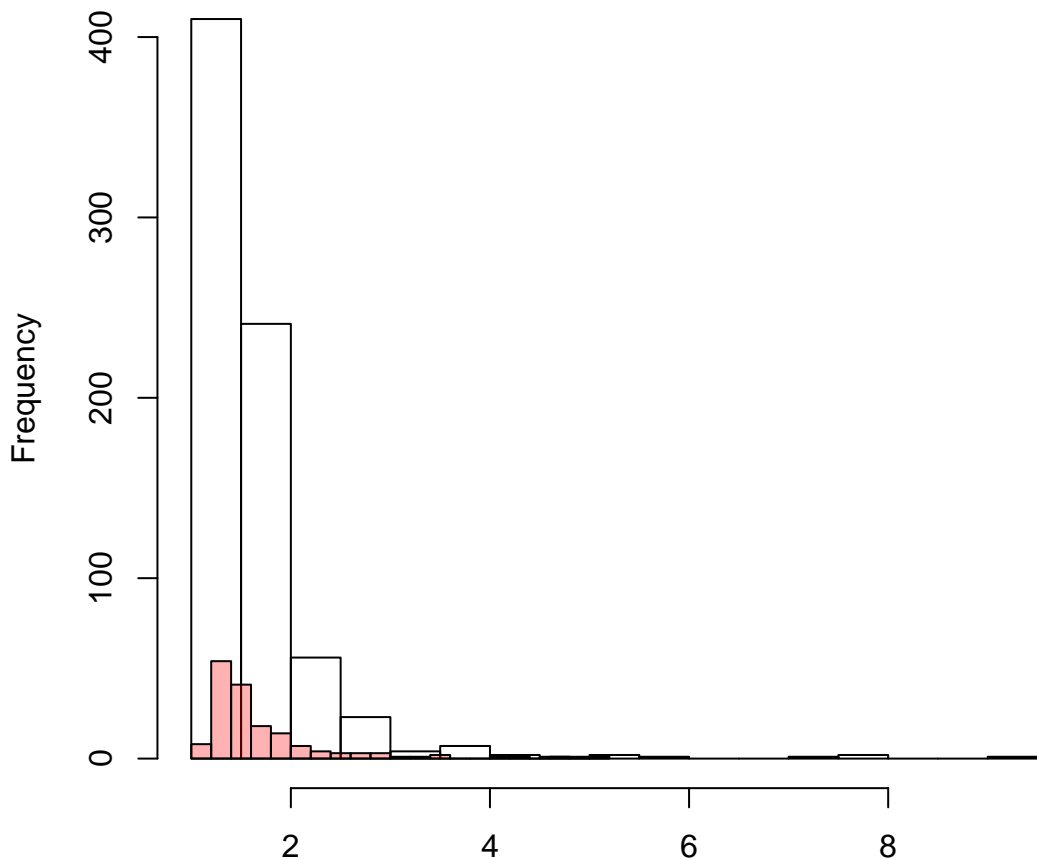
S nonsig: log expression of gene#50, pval ob=0.9721, non-zero n



KSless nonsig: individual expression cell count of gene#50

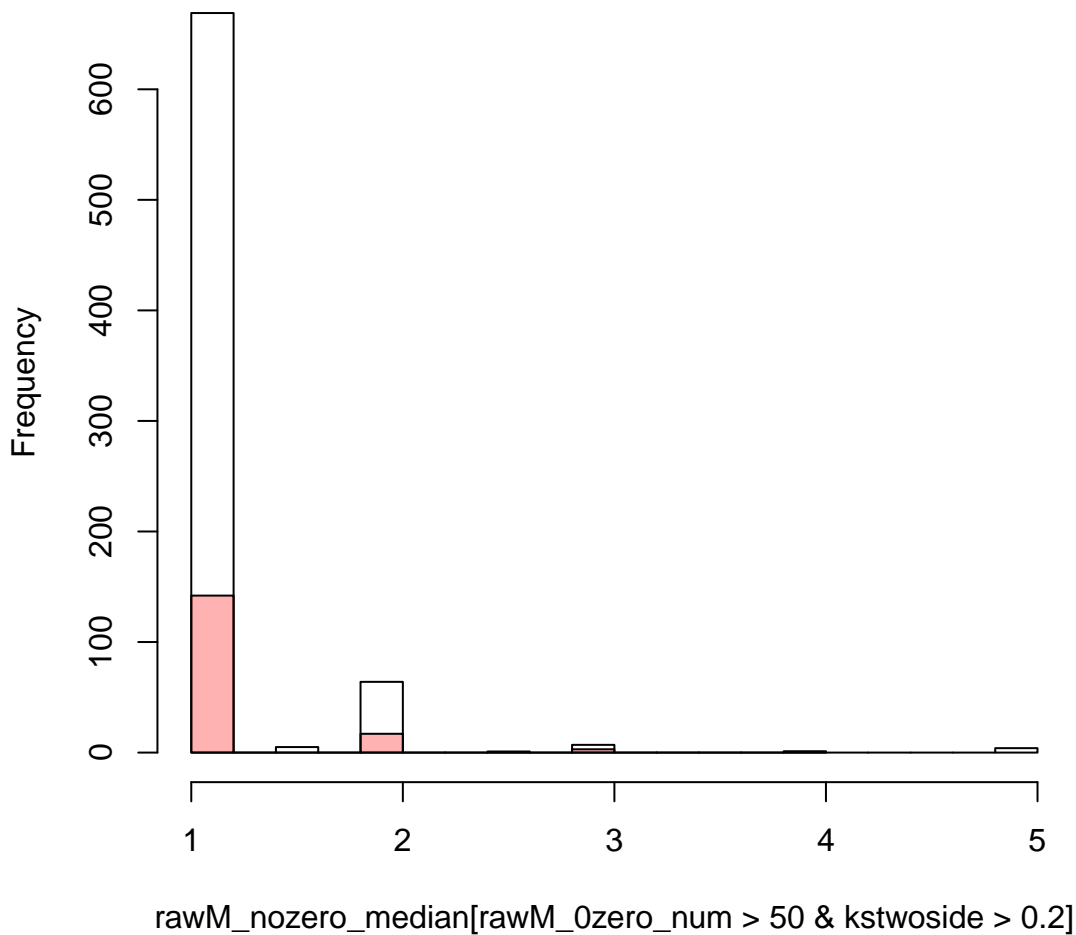


Histogram of rawM_nozero_mean[rawM_0zero_num > 50 & kstwsid

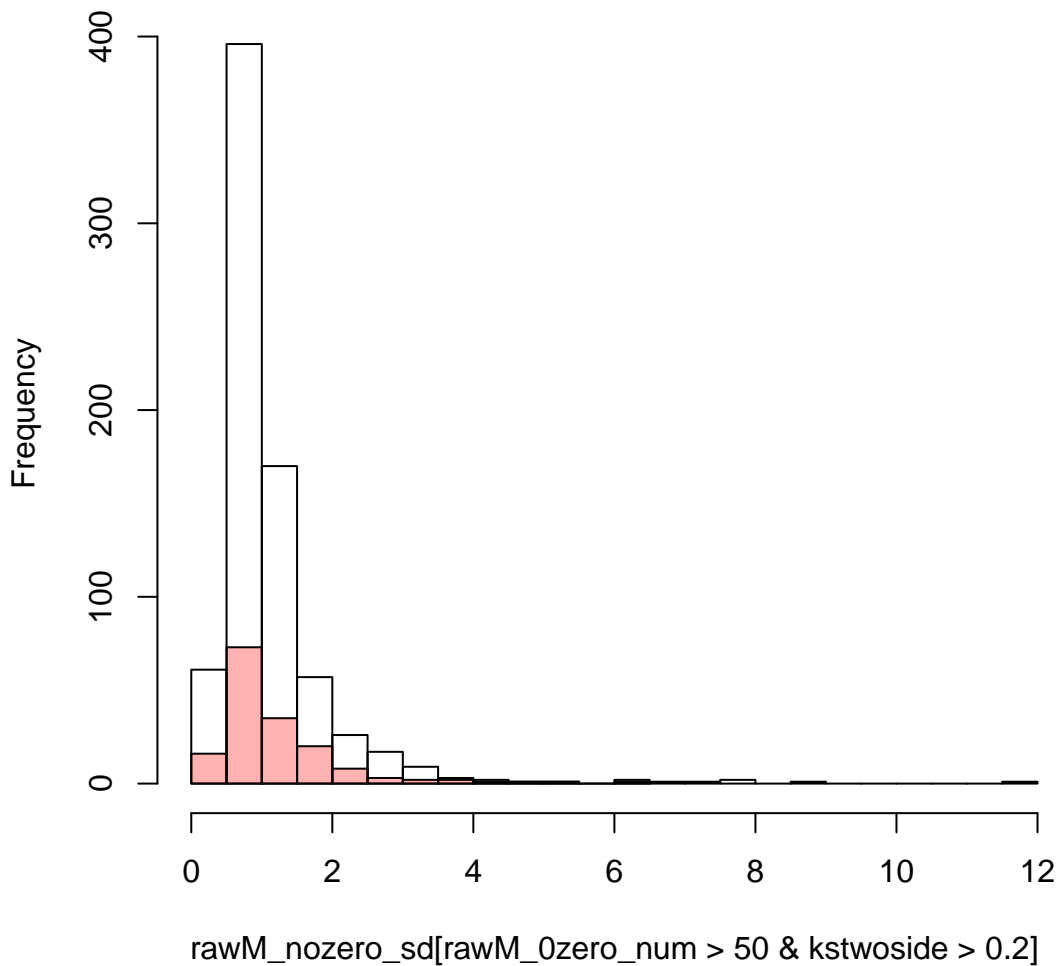


rawM_nozero_mean[rawM_0zero_num > 50 & kstwsid > 0.2]

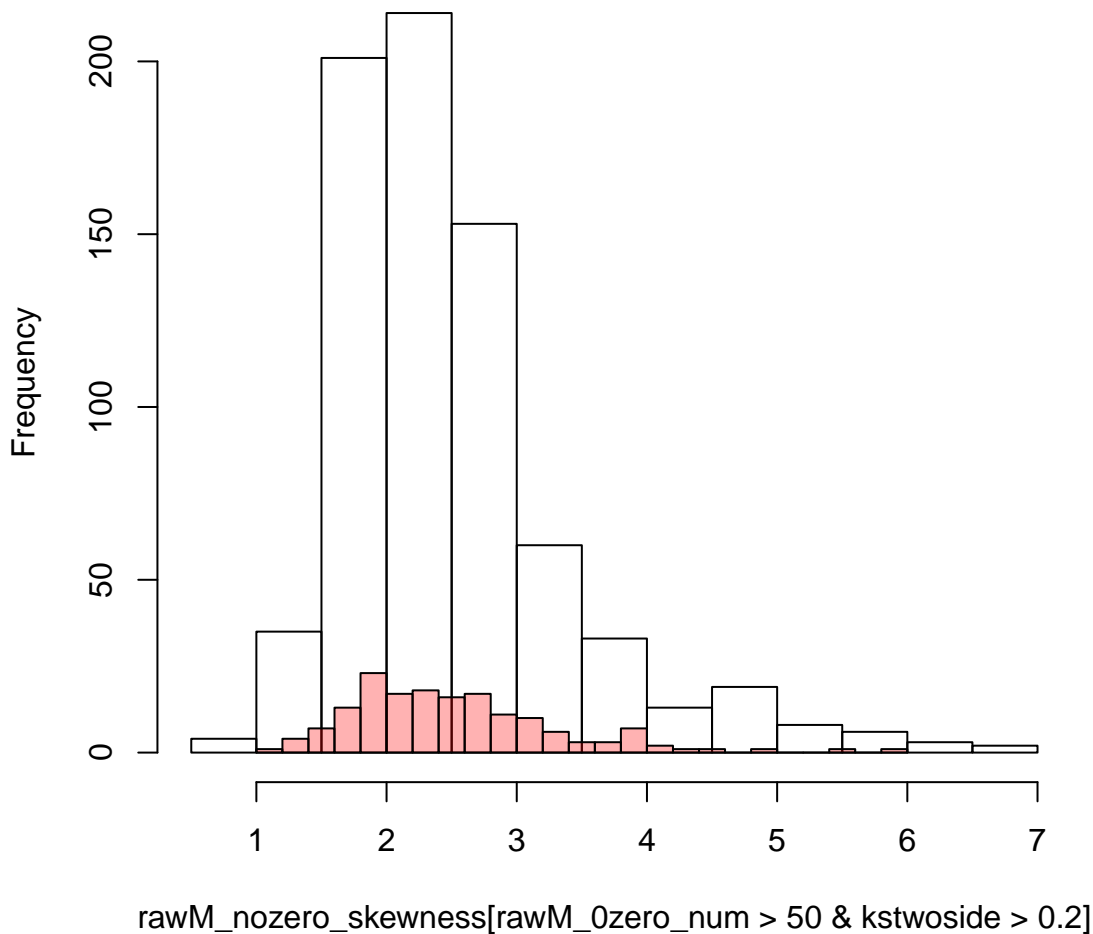
ogram of rawM_nozero_median[rawM_0zero_num > 50 & kstwosi



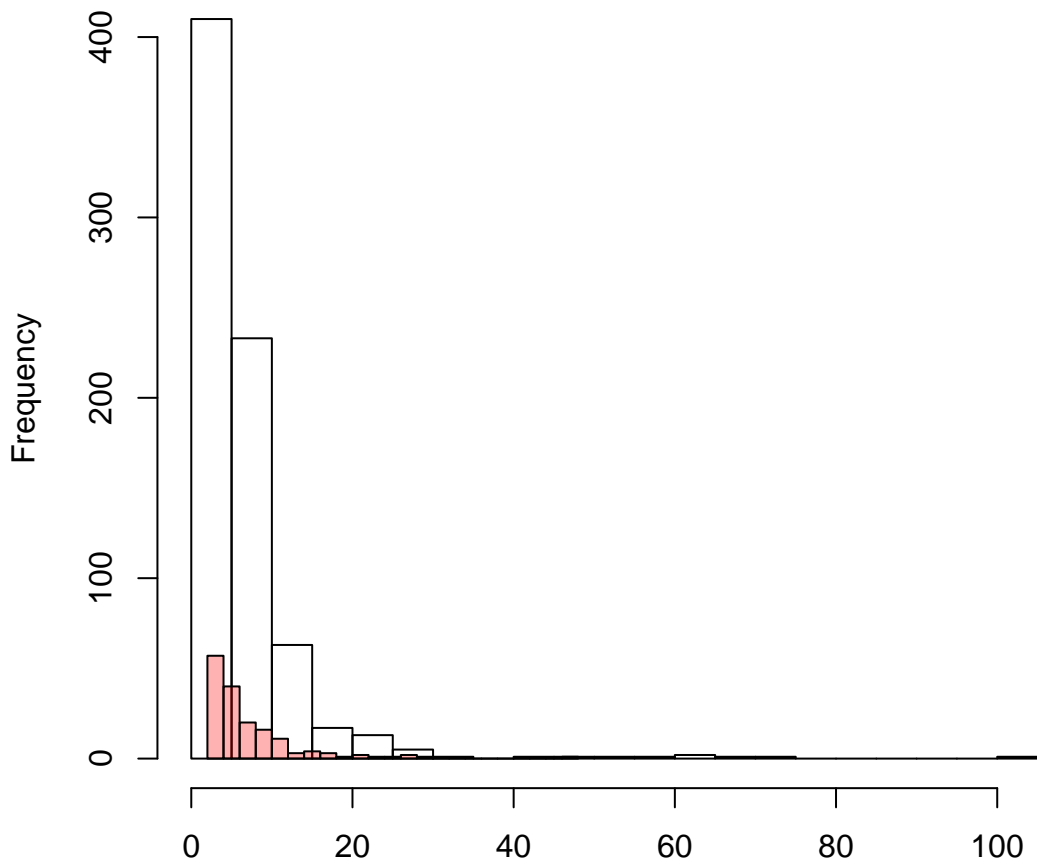
histogram of rawM_nozero_sd[rawM_0zero_num > 50 & kstwoside



gram of rawM_nozero_skewness[rawM_0zero_num > 50 & kstws

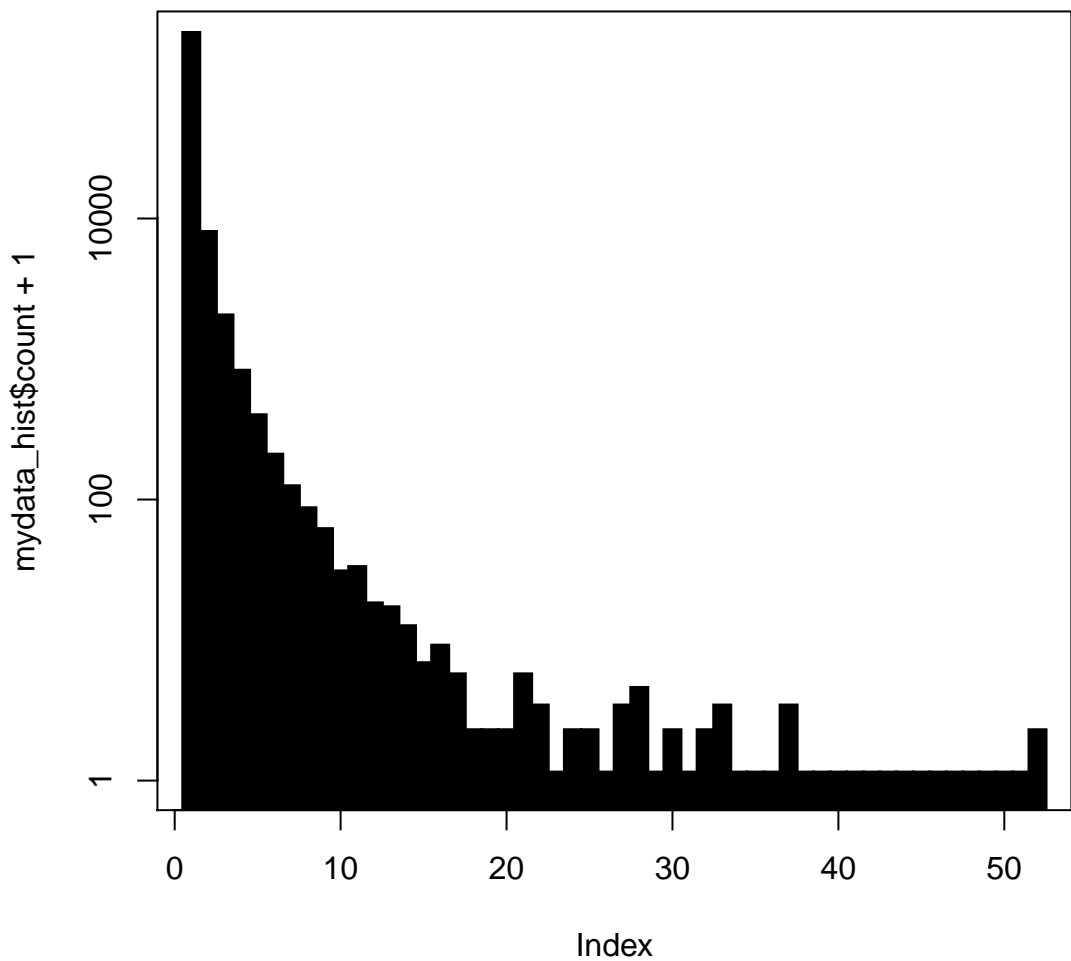


Histogram of rawM_nozero_max[rawM_0zero_num > 50 & kstwside

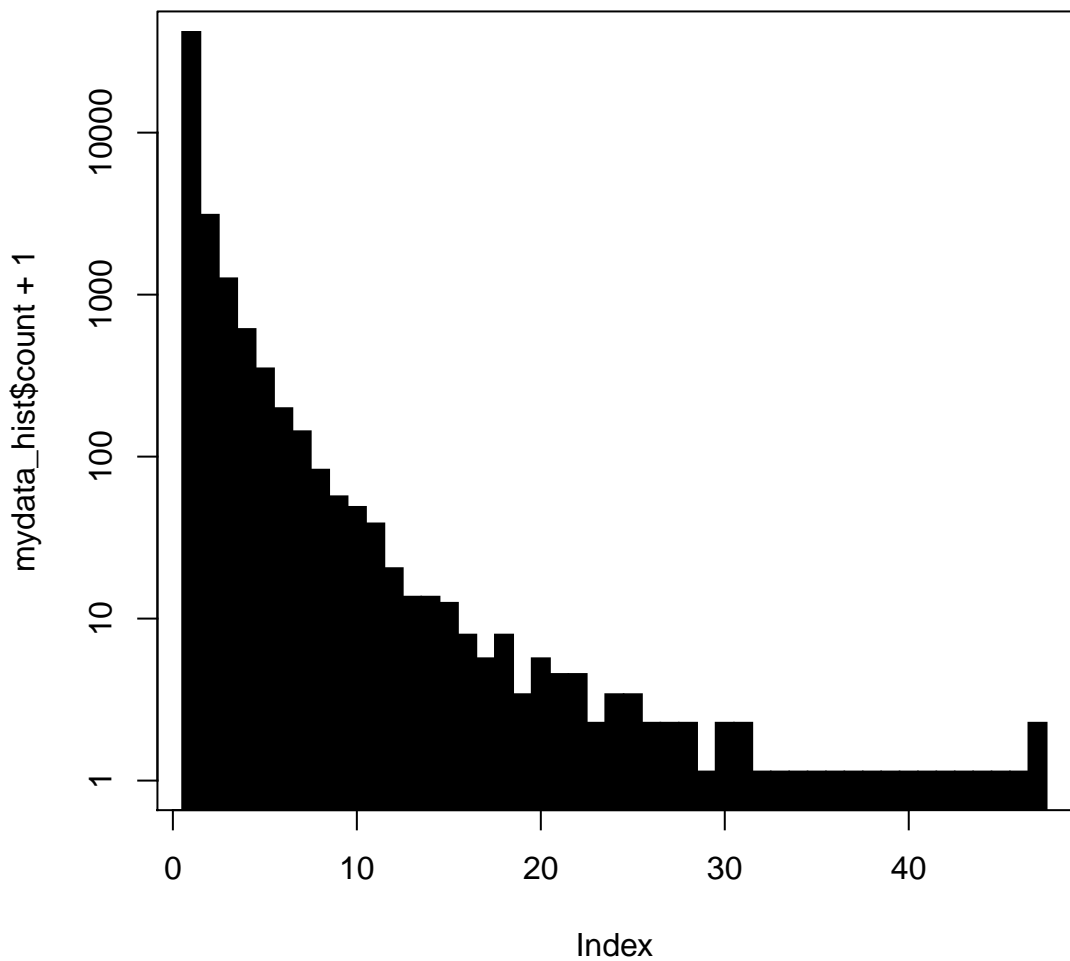


rawM_nozero_max[rawM_0zero_num > 50 & kstwside > 0.2]

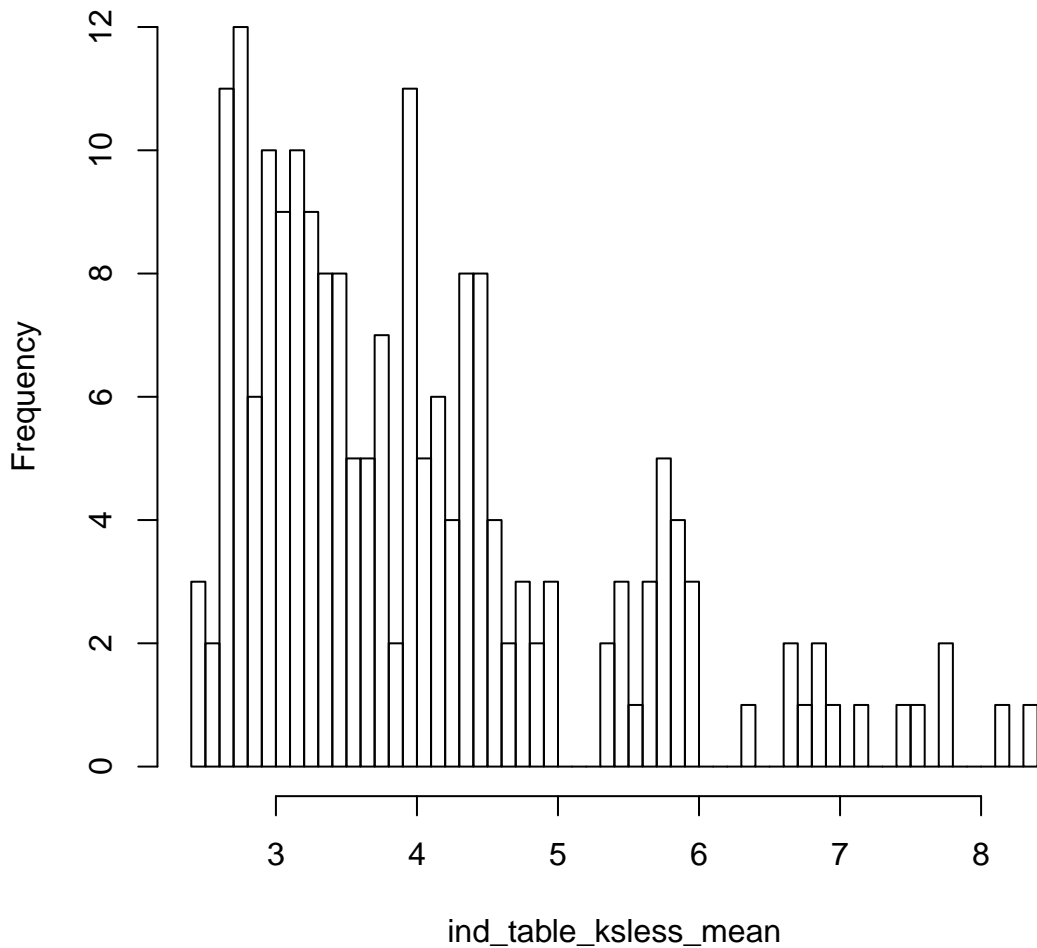
genes $\log(\text{expression} + 1)$ with least 50 cell expression and kstwosi



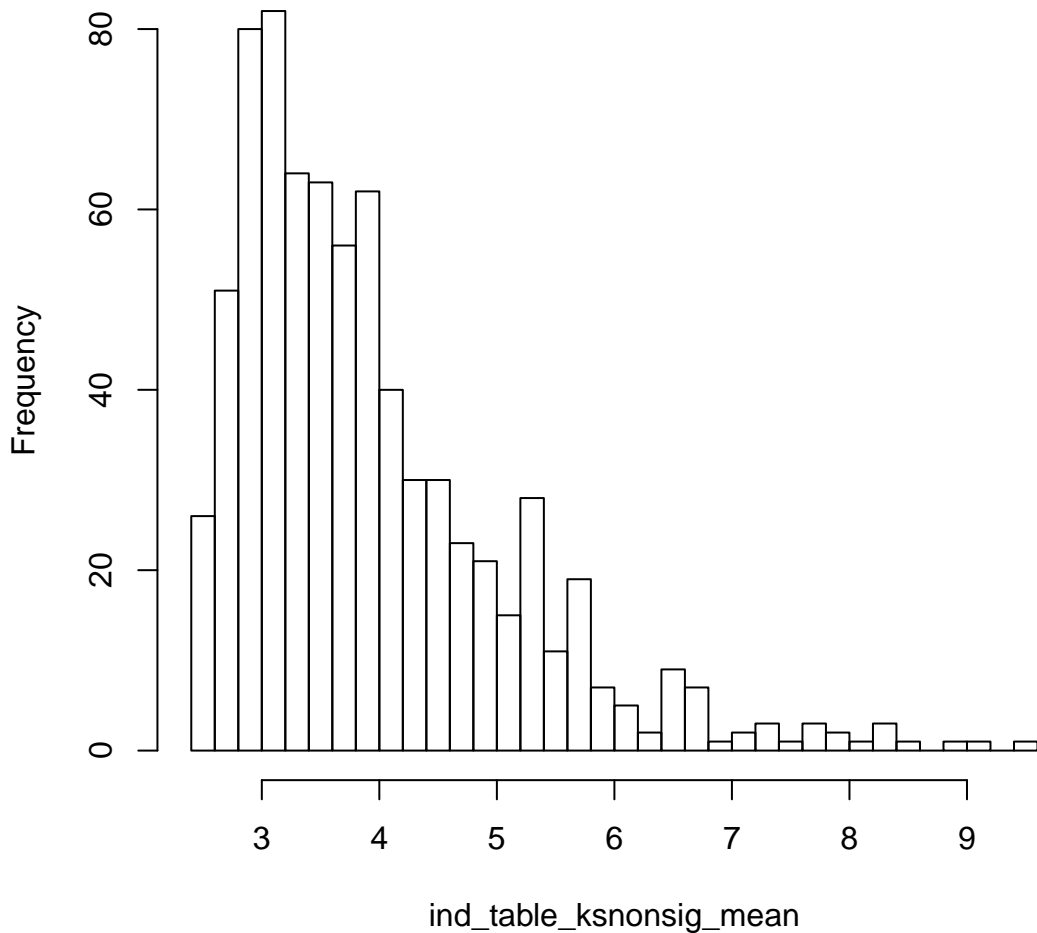
nes $\log(\text{expression} + 1)$ with least 50 cell expression and kstwo



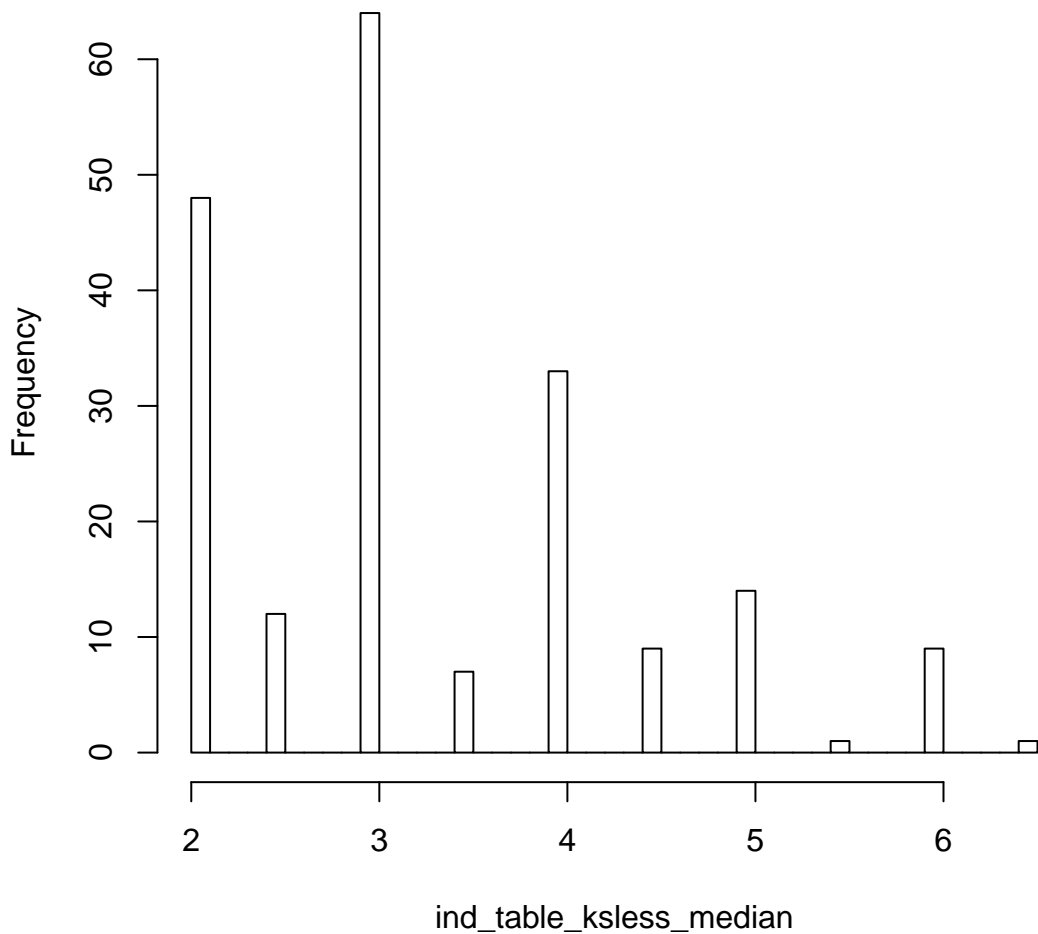
Histogram of ind_table_ksless_mean



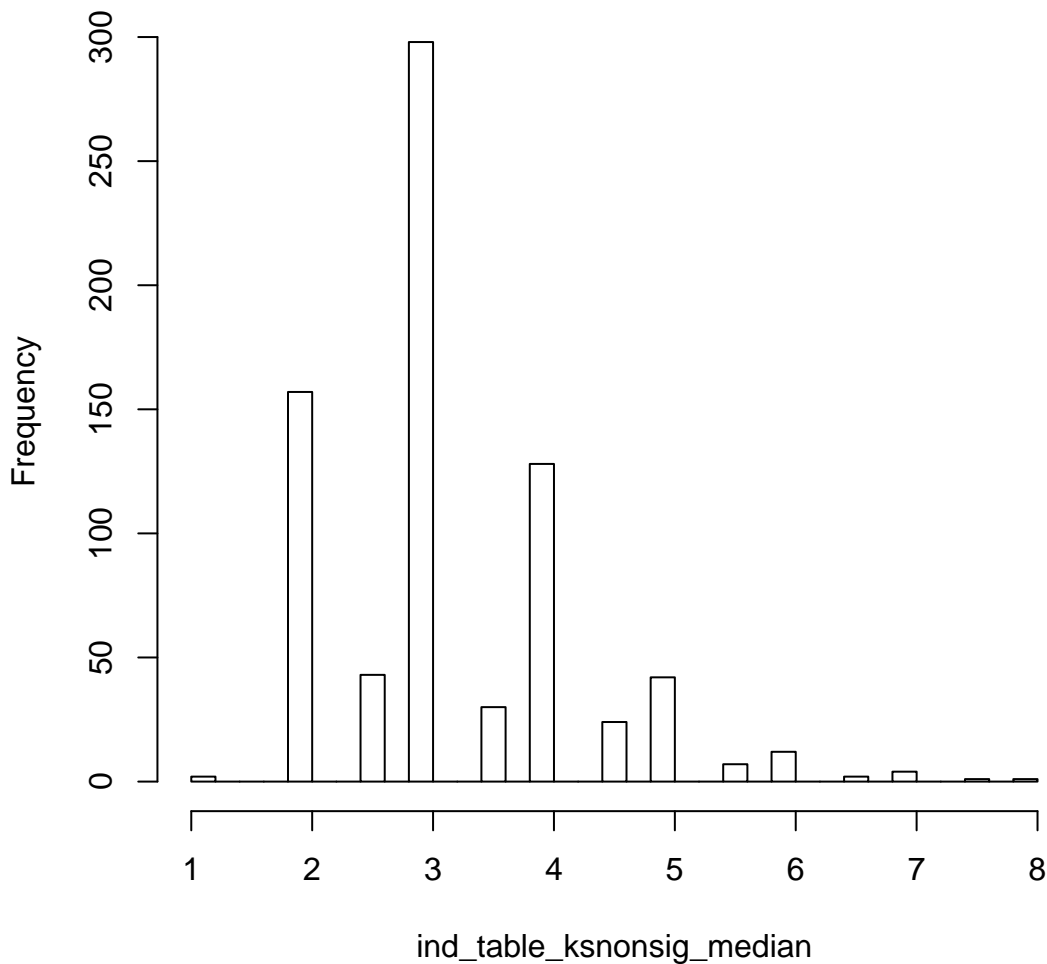
Histogram of ind_table_ksnonsig_mean



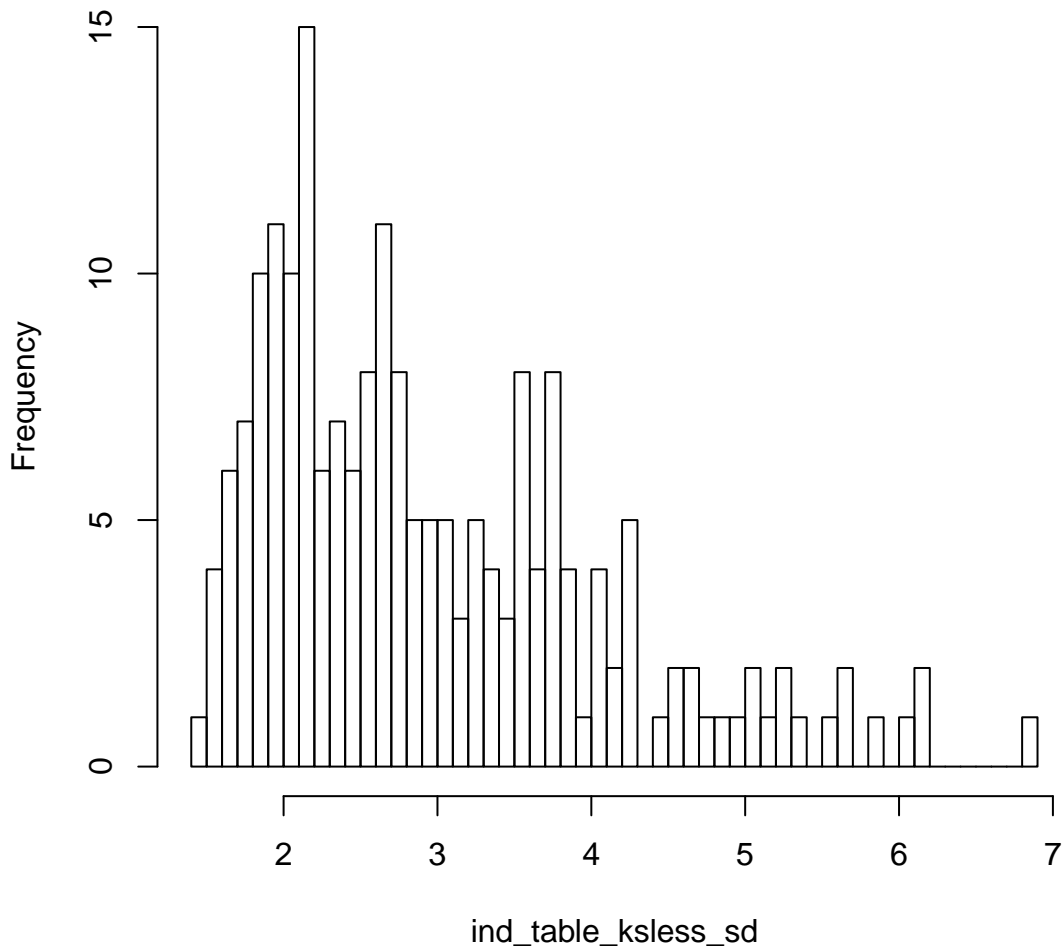
Histogram of ind_table_ksless_median



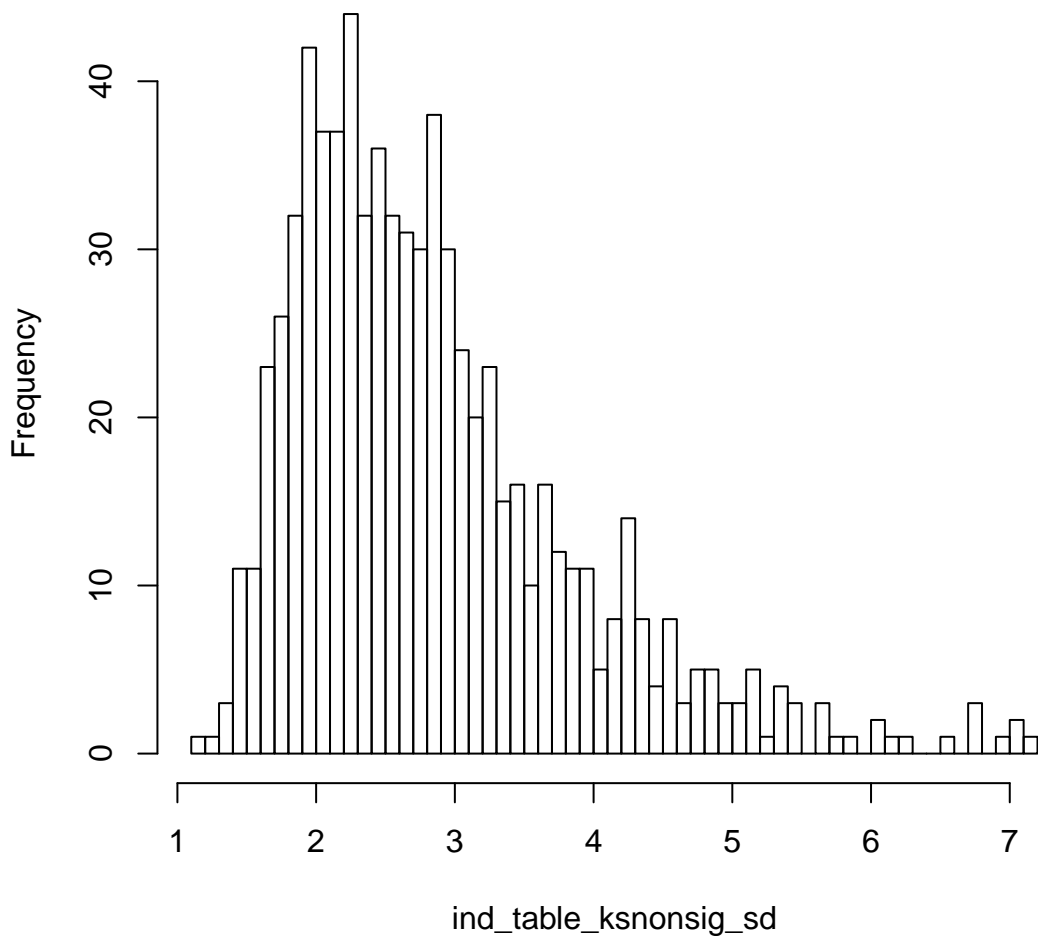
Histogram of ind_table_ksnonsig_median



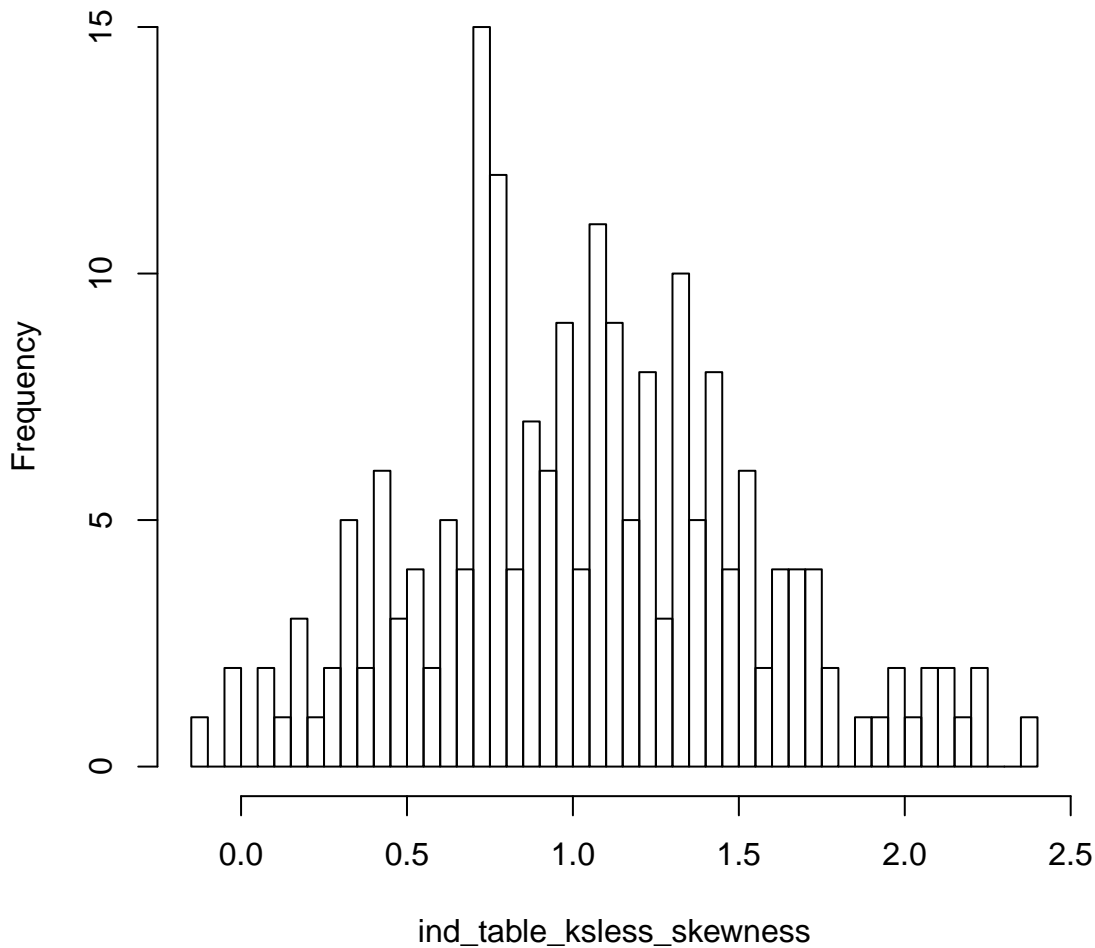
Histogram of ind_table_ksless_sd



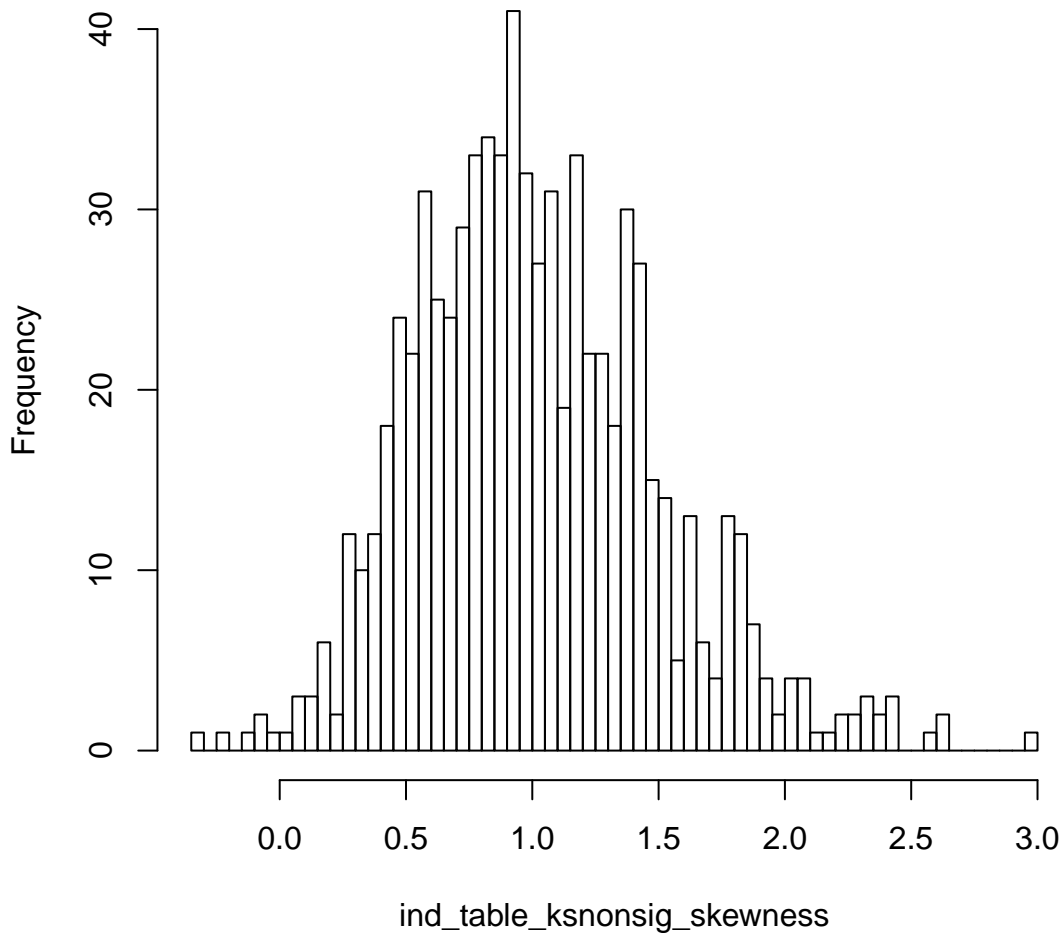
Histogram of ind_table_ksnonsig_sd



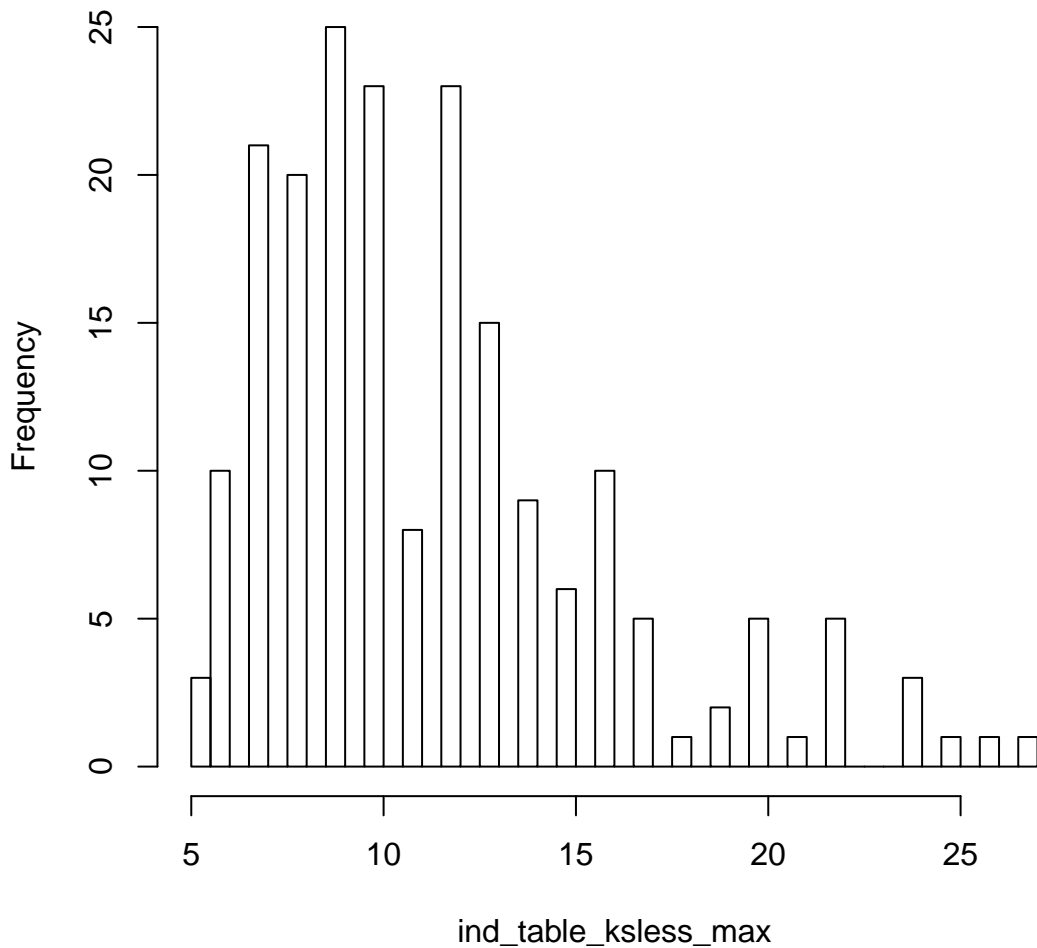
Histogram of ind_table_ksless_skewness



Histogram of ind_table_ksnonsig_skewness



Histogram of ind_table_ksless_max



Histogram of ind_table_ksnonsig_max

