```
nuc
Min. :0.0000
1st Qu.:0.2200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          class
:463
:429
:244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUC
MIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Median :0.2200
Mean :0.2762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ME3
ME2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         :163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3rd Ou.:0.3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         : 51
: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ME1
      > test1 =aov(yeast_data$nuc ~ yeast_data$class , yeast_data)
> summary(test1)
      Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

    TukeyHSD(test1)
    Tukey multiple comparisons of means
95% family-wise confidence level

Fit: aov(formula = yeast_data$nuc ~ yeast_data$class, data

$'yeast_data$class'
diff
RRL-CYT -0.0112354212 -0.15411077
EXC-CYT -0.0396639926 -0.08636974
ME1-CYT -0.0117452251 -0.05862827 0.061076319 0.9995610
ME2-CYT -0.0117452251 -0.05862827 0.061076319 0.9995610
ME2-CYT -0.0117452251 -0.05862827 0.061076319 0.9995610
ME2-CYT -0.0127645788 -0.01617637 0.041705527 0.9281817
MIT-CYT -0.062315412 0.08286283 0.0659737681 0.0909000
POX-CYT -0.062315412 0.09580839 0.04533805 0.5645771
NUC-CYT -0.062358714 -0.09580839 0.04933805 0.5645771
NUC-CYT -0.0625867545 -0.06643503 0.053297518 0.9999938
VAC-CYT -0.062358714 -0.17135063 0.13249120 0.9999938
ME2-ERL -0.0221818182 -0.12778548 0.172149120 0.9999938
ME2-ERL -0.0620690900 -0.12027322 0.168272317 0.999957
MIT-ERL -0.0856783217 -0.05725790 0.168273217 0.999957
MIT-ERL -0.0856783217 -0.05725790 0.168273217 0.999957
MIT-ERL -0.0856783217 -0.05725790 0.228614148 0.6696330
POX-ERL -0.0856783217 -0.05725790 0.228614148 0.6696330
POX-ERL -0.0846666667 -0.14882976 0.158163094 1.0000000
ME1-EXC 0.0416103386 -0.03036133 0.13582386 0.7147855
ME2-EXC 0.0416103886 -0.03036133 0.13582386 0.7147855
ME2-EXC 0.0416103886 -0.03036133 0.13582386 0.7147855
ME2-EXC 0.0426952381 -0.05946751 0.0000000
MIT-ME1 -0.034285714 -0.01577047 0.102627610 0.3735707
MIT-EXC 0.0434285714 -0.01577047 0.102627610 0.3735707
MIT-EXC 0.0426952381 -0.05946751 0.00000000
MIT-ME1 -0.027982116 -0.09524391 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026743 0.0026
   Fit: aov(formula = yeast_data$nuc ~ yeast_data$class, data = yeast_data)
```

> library(gplots) > plotmeans(nuc ~ class,xlab="Class",ylab="nuc",main="Mean plot",data = yeast_data)



