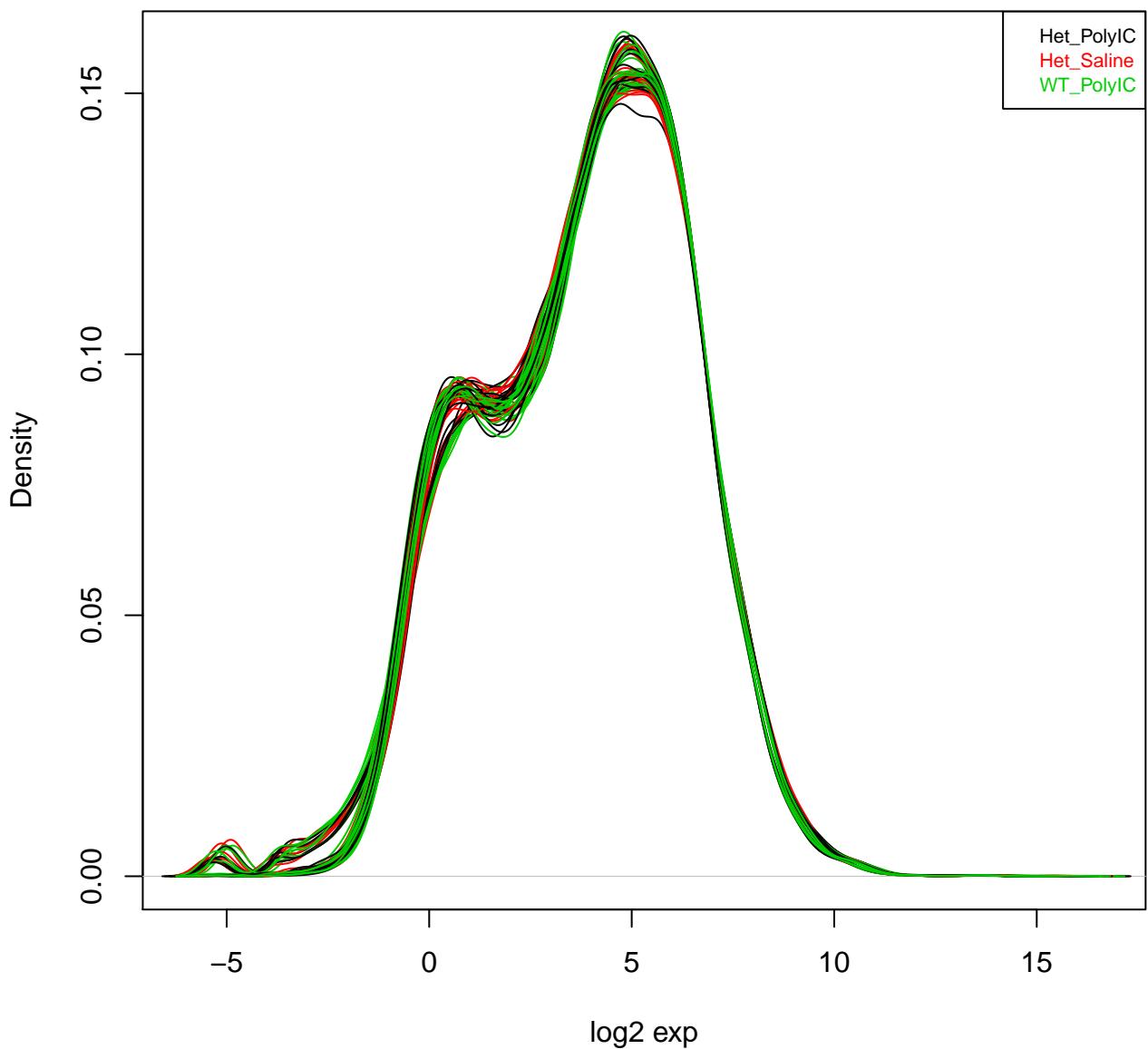
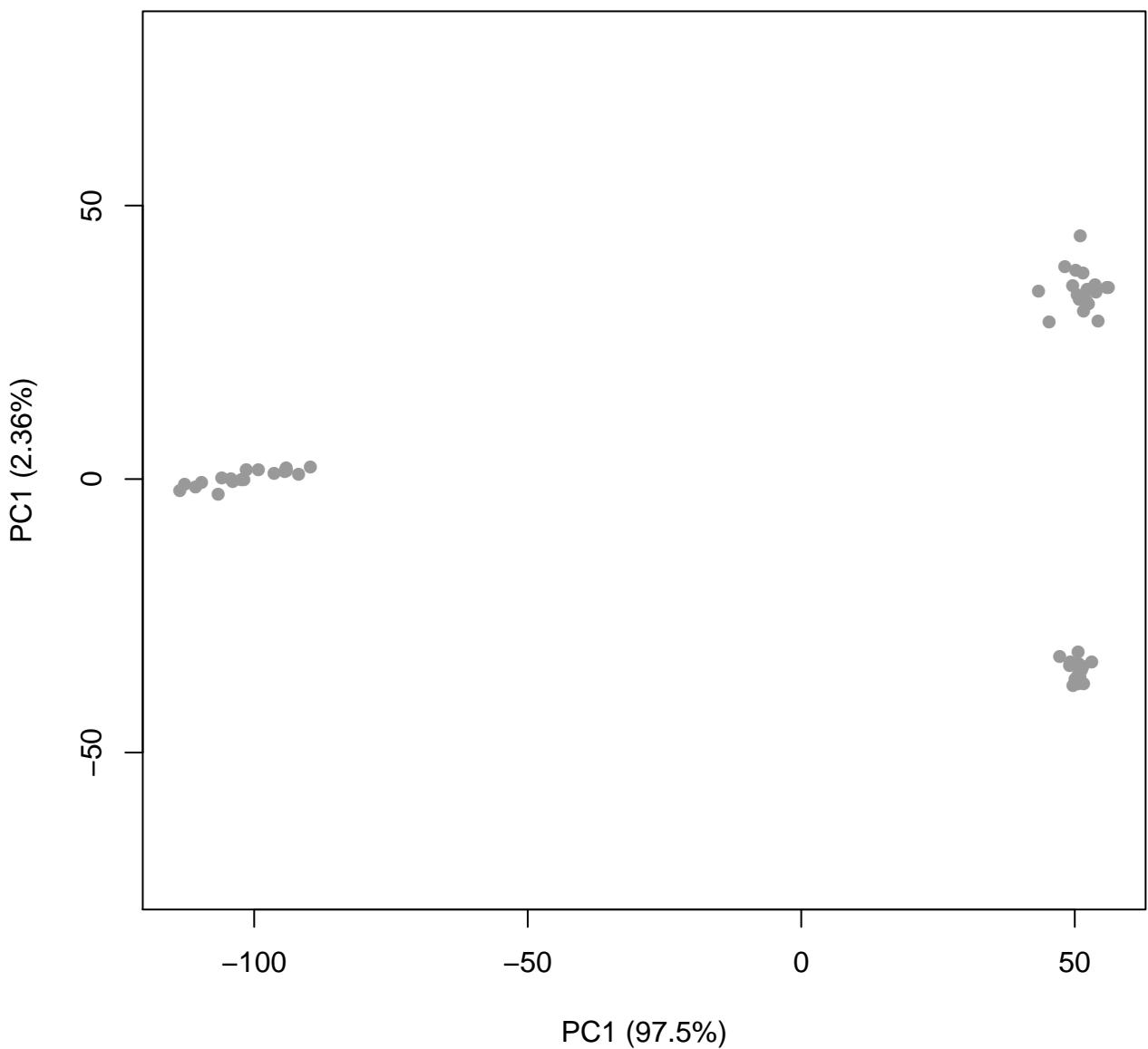


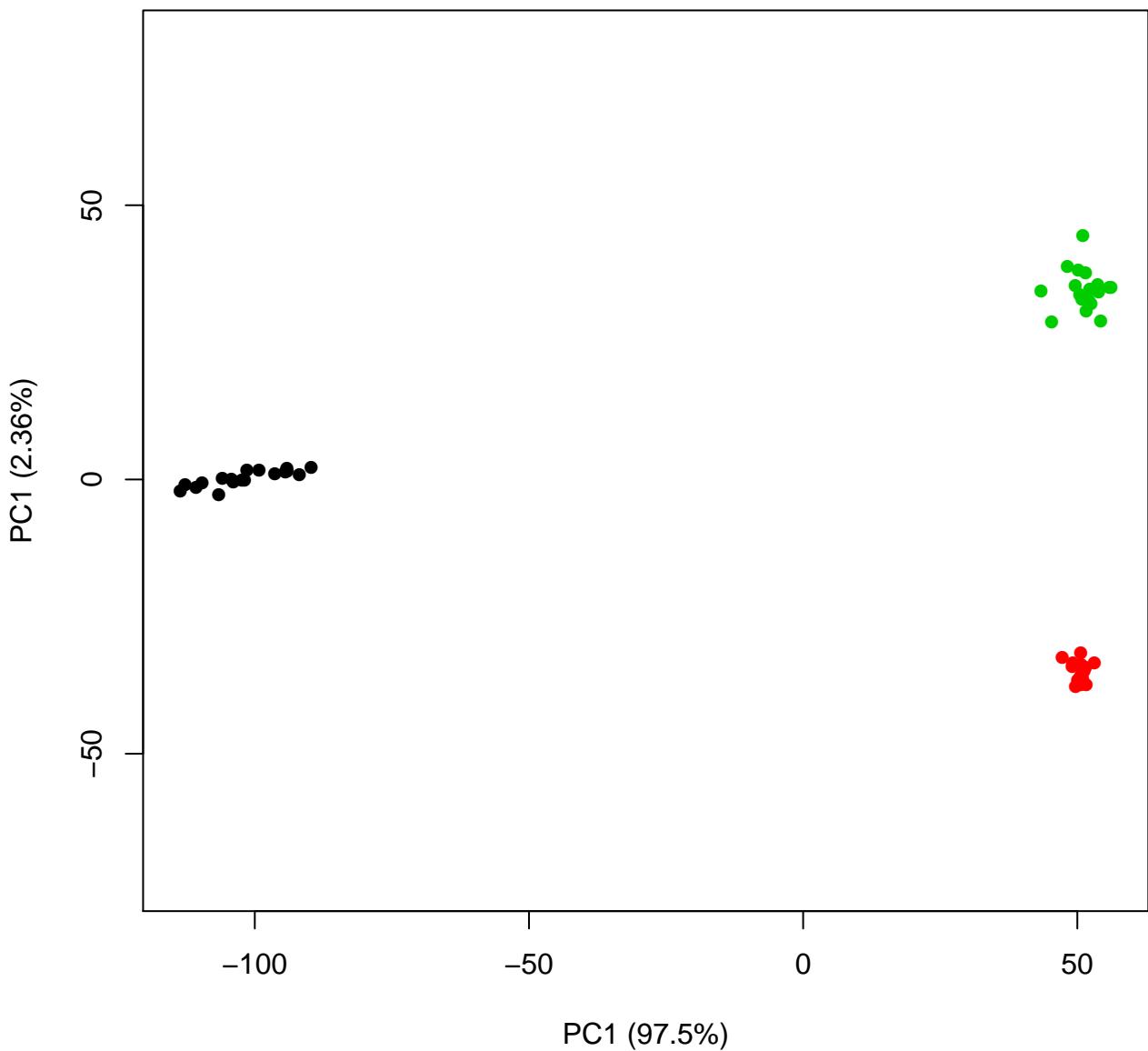
Hist of Log2 Exp



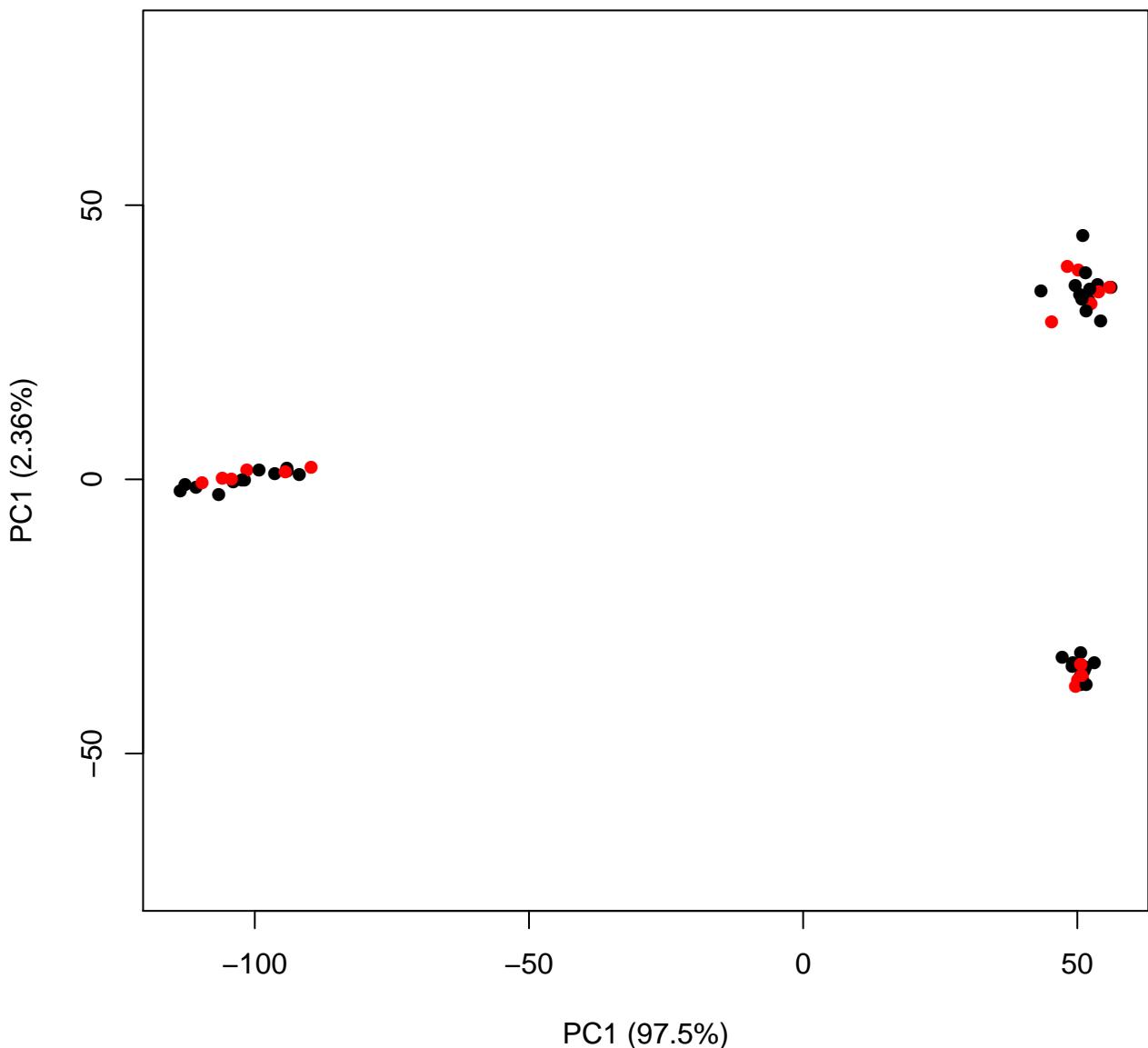
MDS Plot



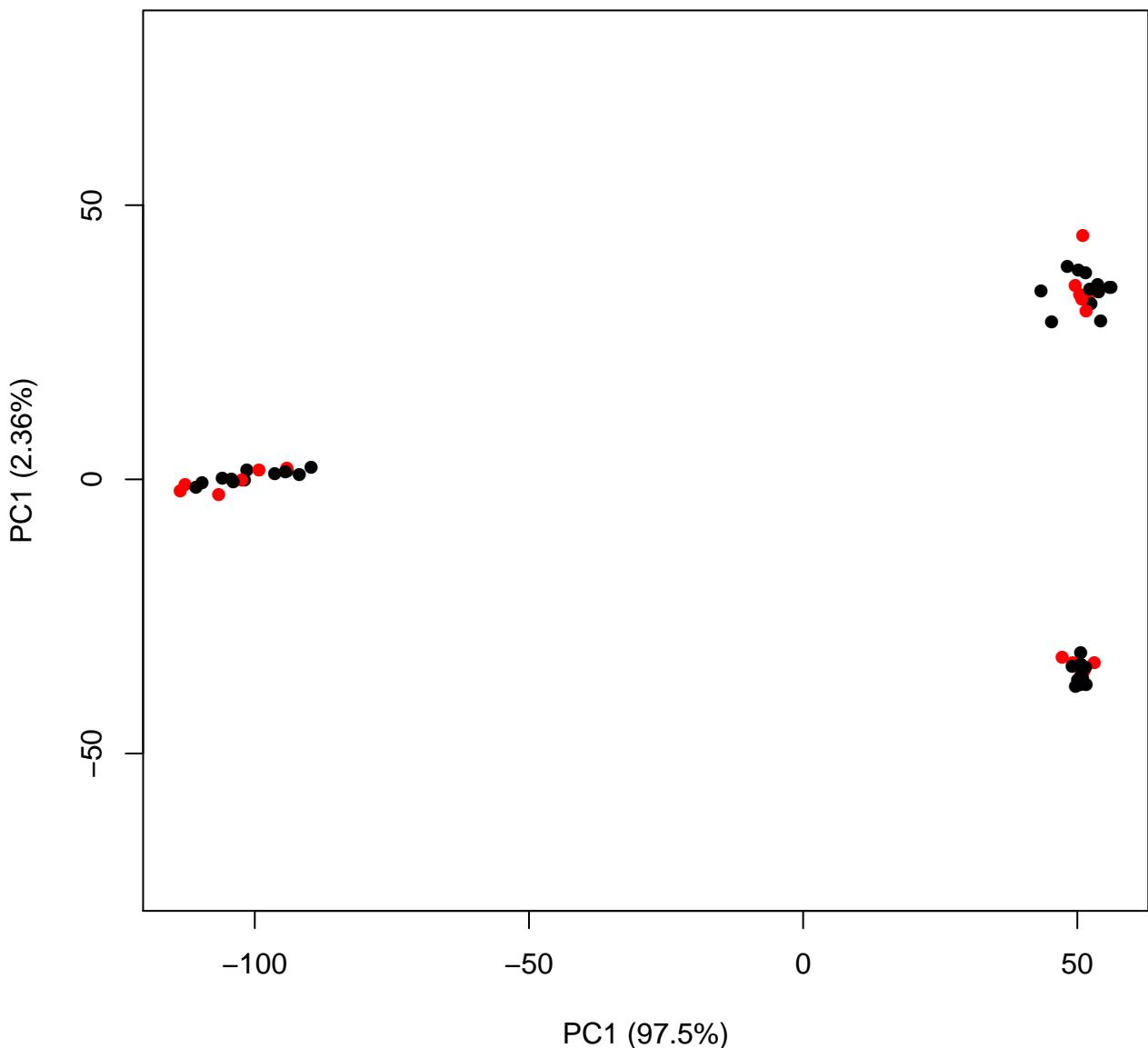
MDS Plot by Region



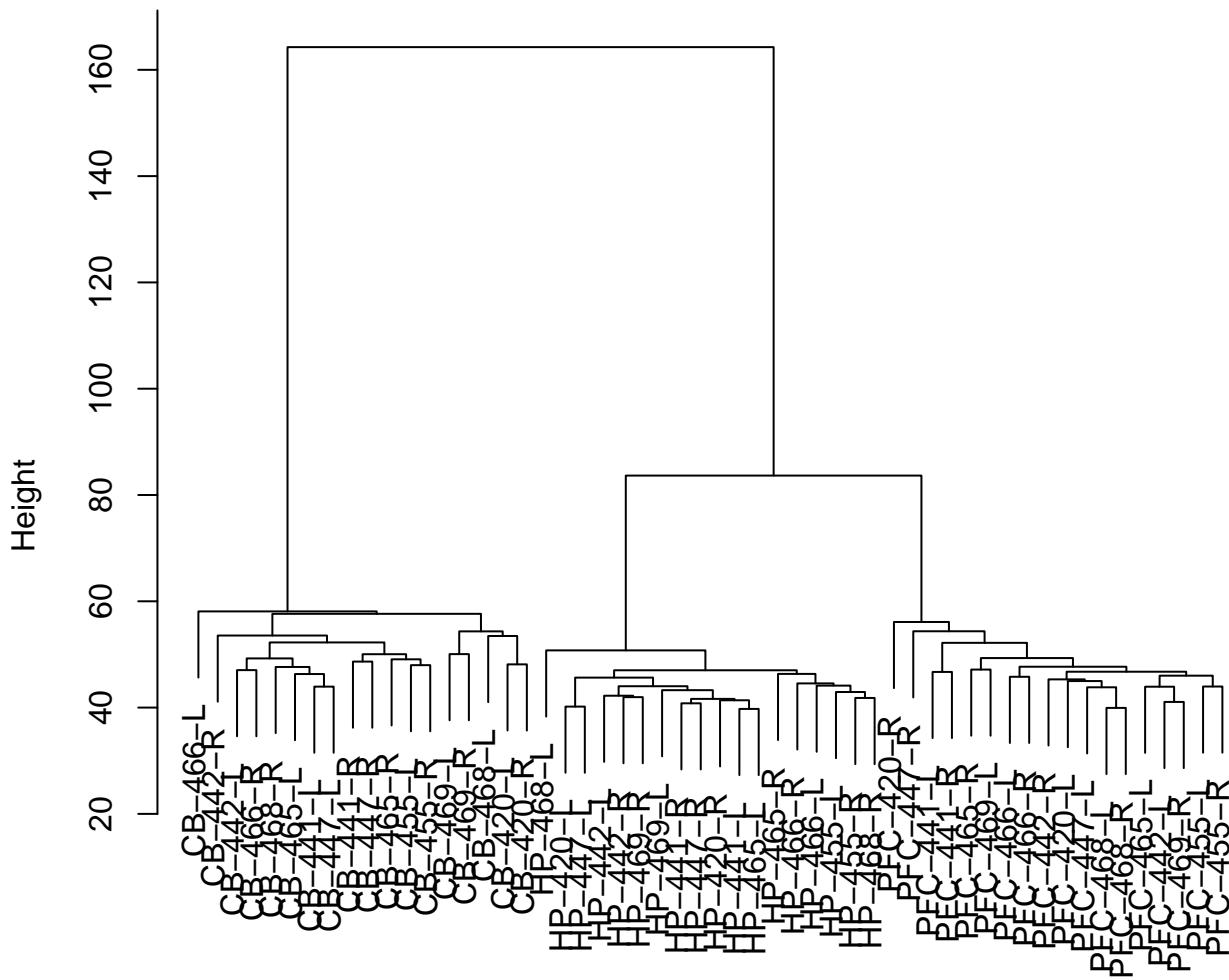
MDS Plot by Genotype



MDS Plot by Treatment

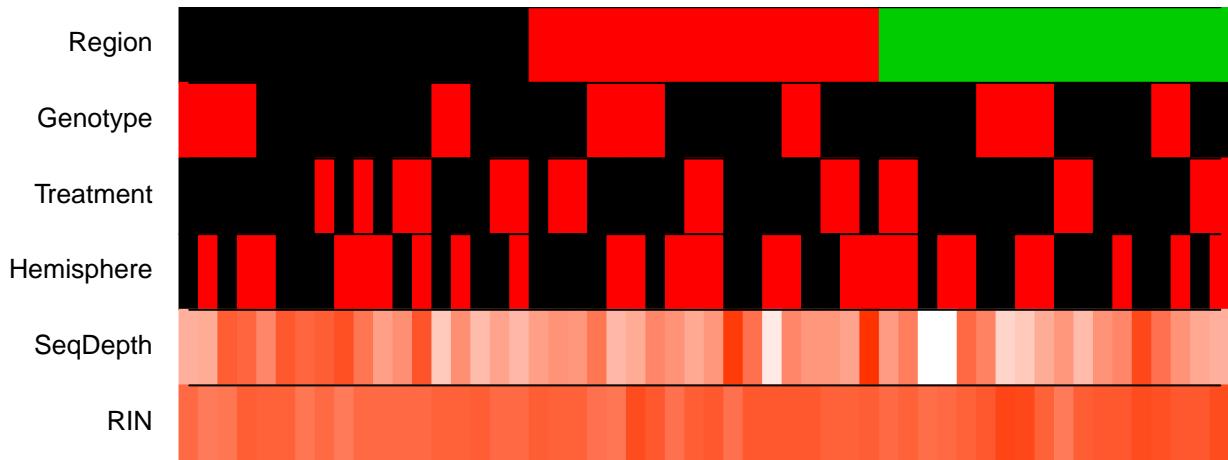
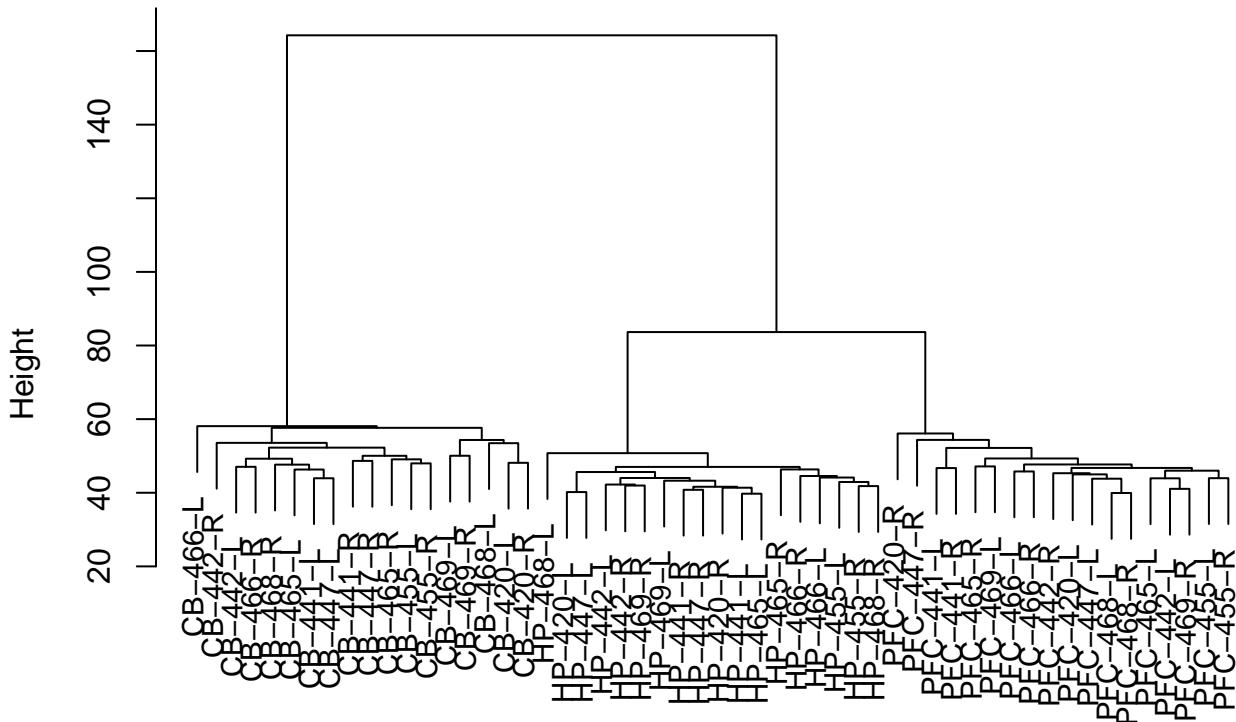


Cluster Dendrogram

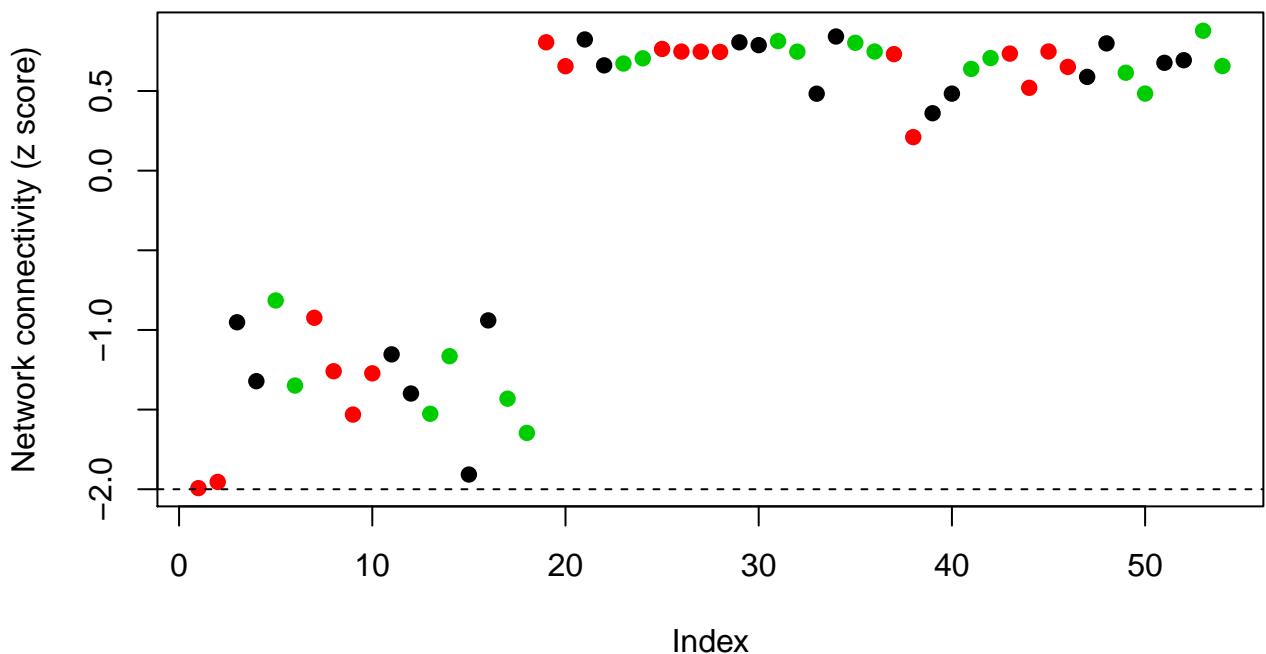


```
dist(t(datExpr.cpm))  
hclust (*, "average")
```

Cluster Dendrogram

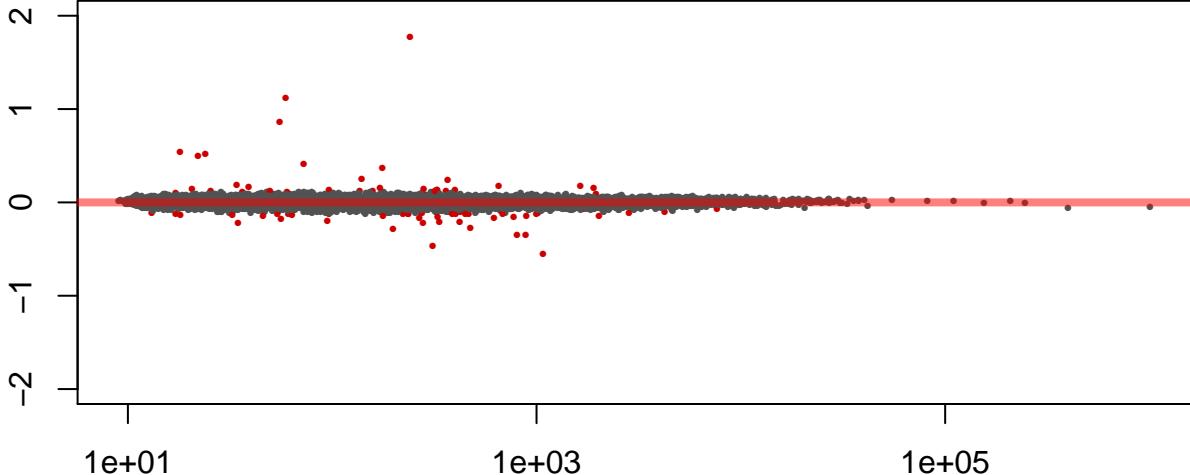


Outlier detection



all genotype

log fold change

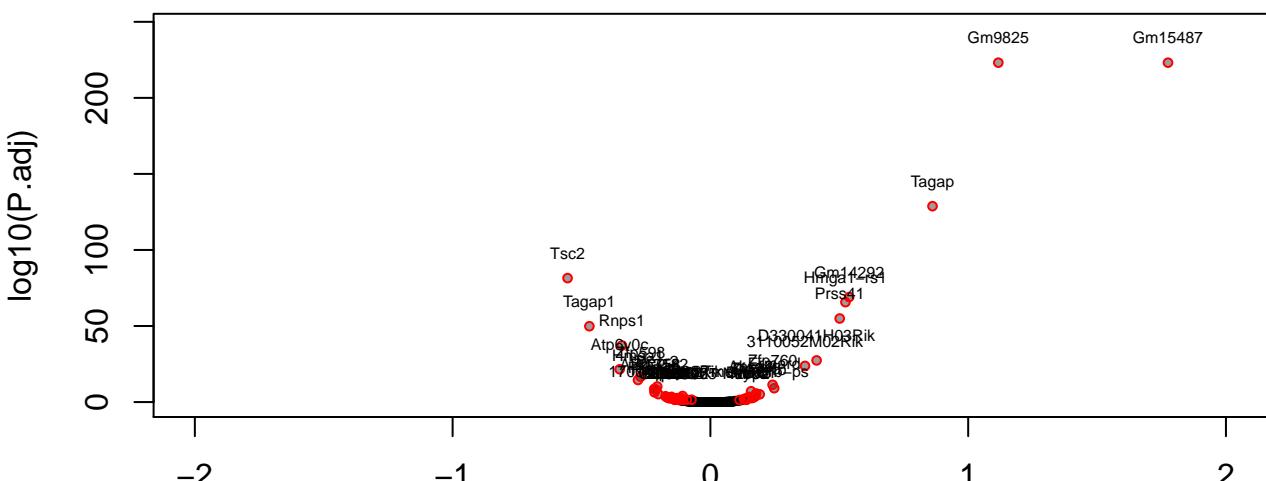


mean of normalized counts

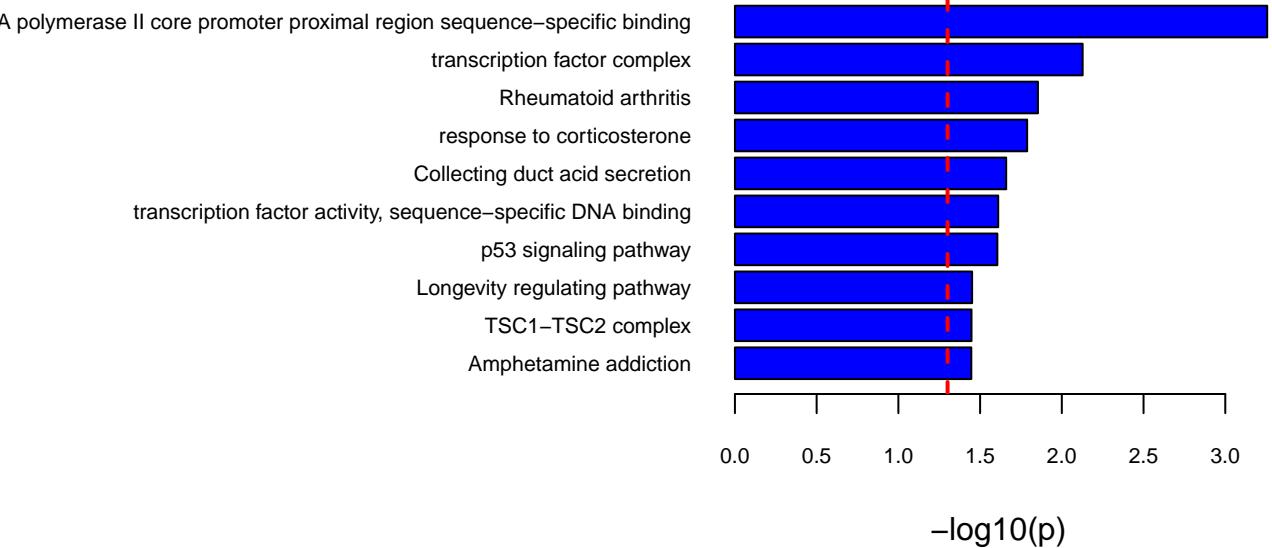
$\log_{10}(P.\text{adj})$

Log2 Fold Change

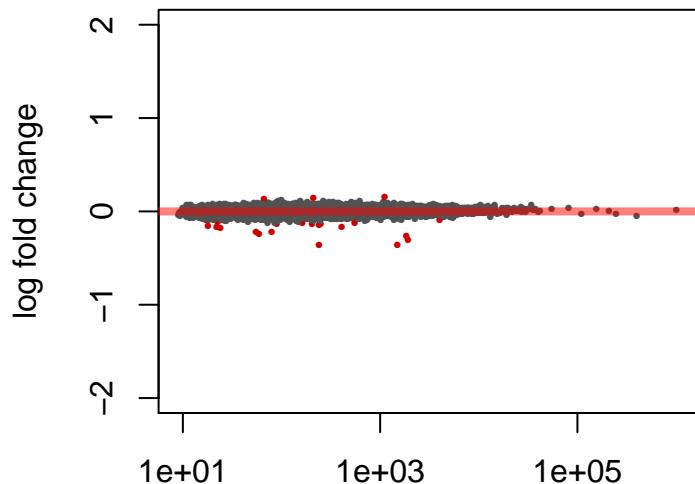
Tsc2
Tagap1
Rnps1
Atpa10c
Gm14293
Prss41
Hmg14293
D200411h93Rik
3p002M02Rik
Eif762
Rps2
Rps2l
Rps2l



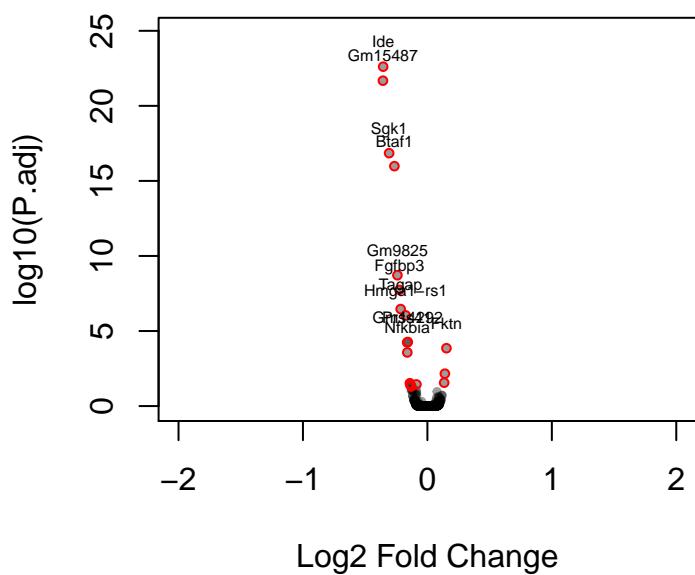
GO downregulated genotype all



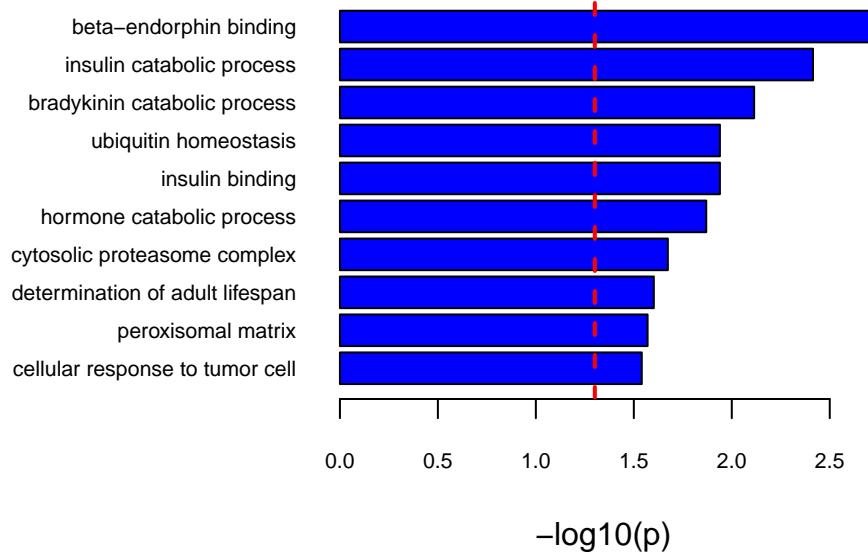
all treatment



mean of normalized counts

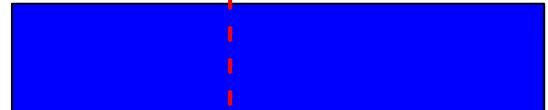


GO downregulated treatment all

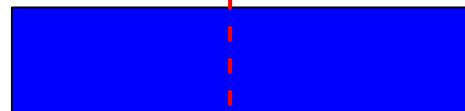


GO upregulated treatment all

regulation of stress-activated MAPK cascade



regulation of protein glycosylation



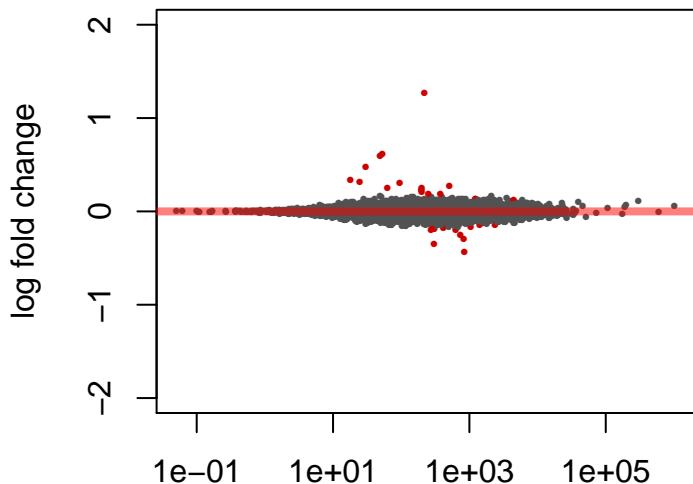
protein localization to microtubule



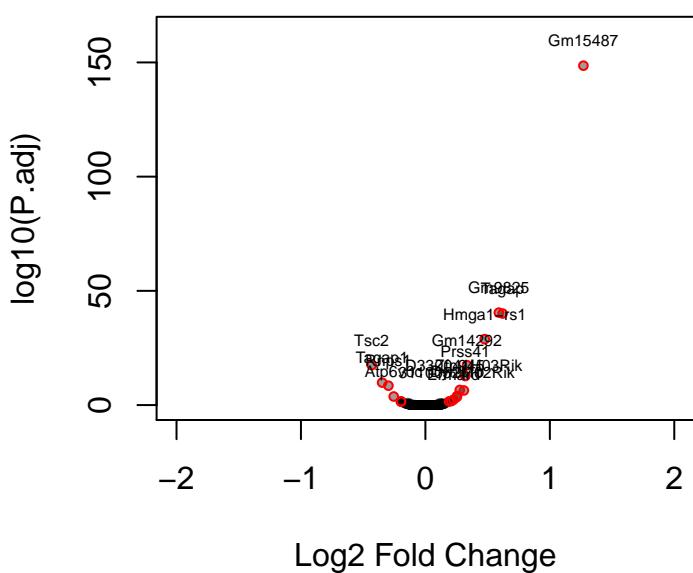
0.0 0.5 1.0 1.5 2.0 2.5 3.0

$-\log_{10}(p)$

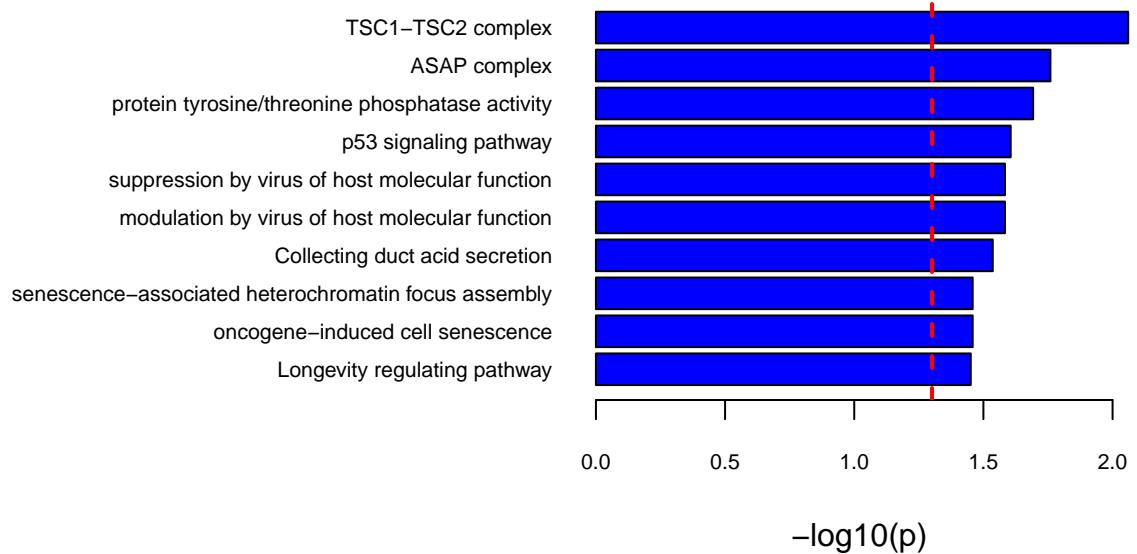
cbl genotype



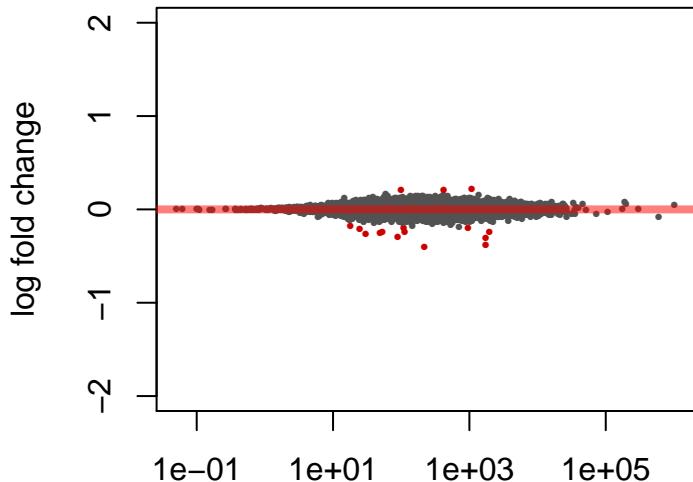
mean of normalized counts



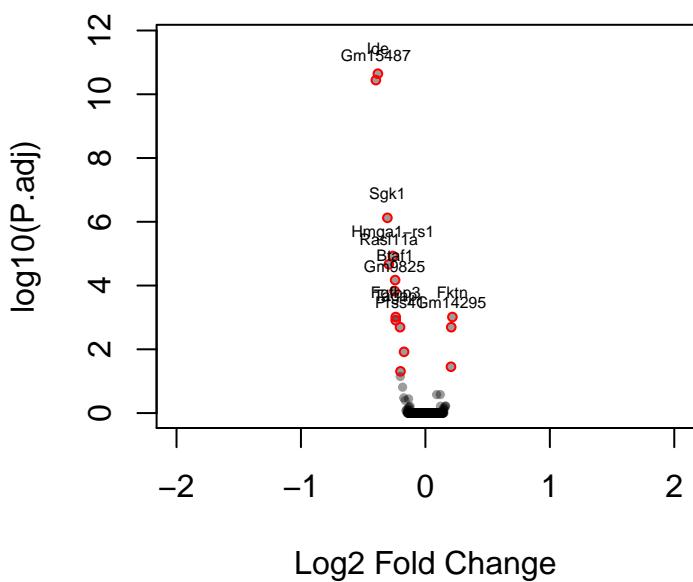
GO downregulated genotype cbl



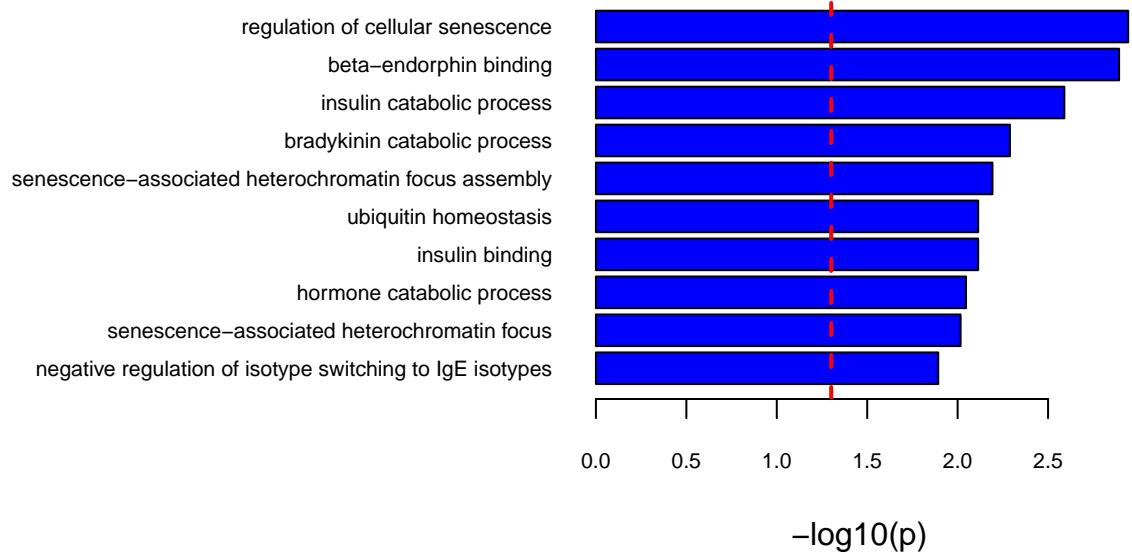
cbl treatment



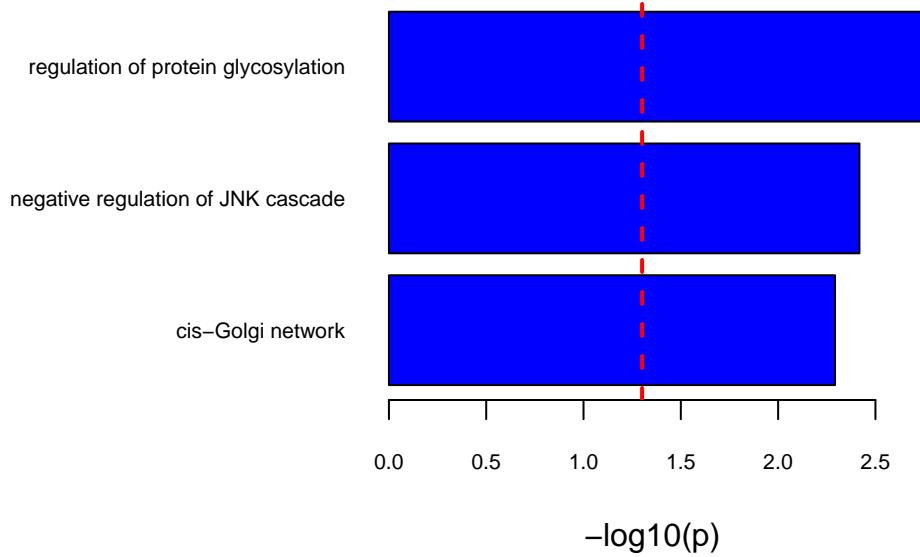
mean of normalized counts



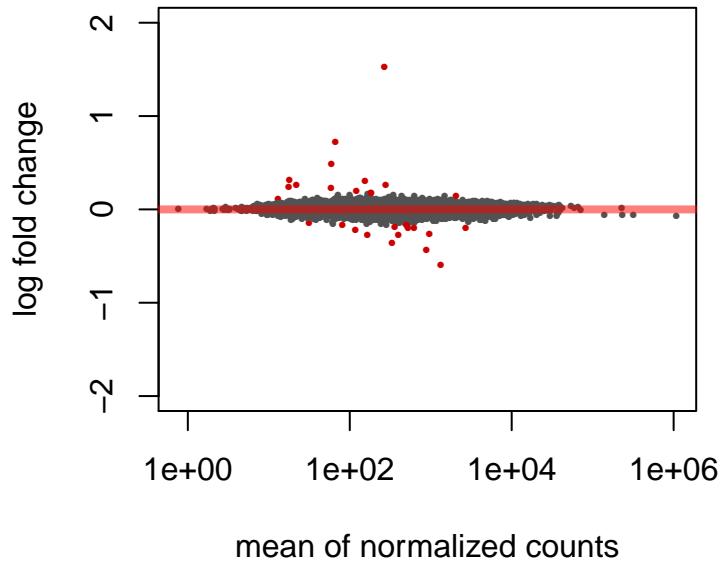
GO downregulated treatment cbl



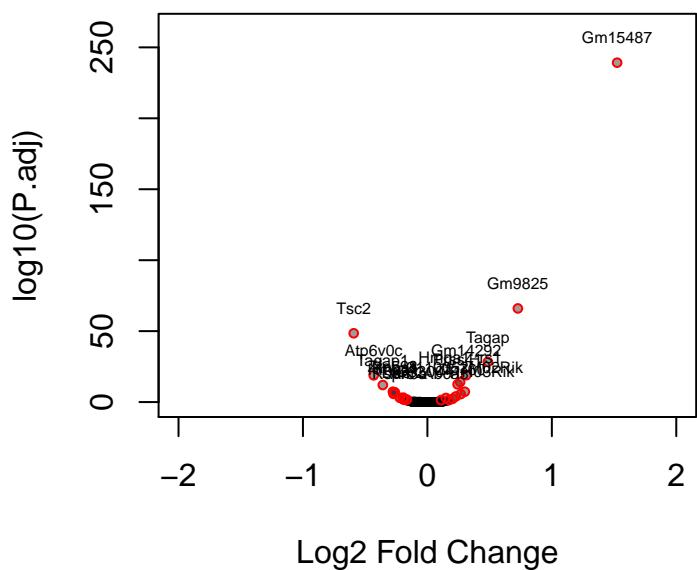
GO upregulated treatment cbl



hc genotype

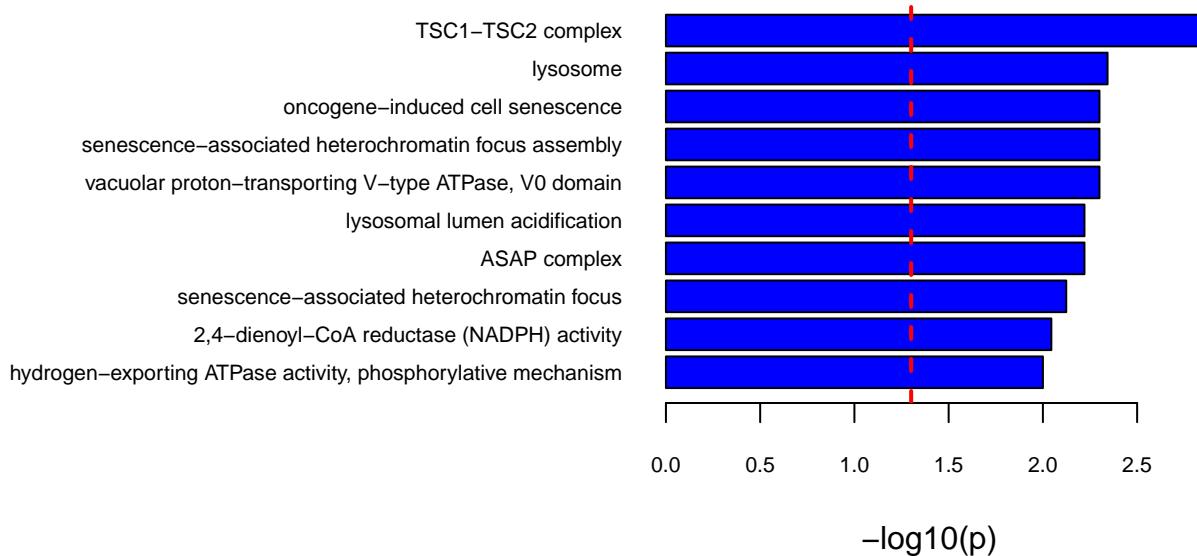


mean of normalized counts

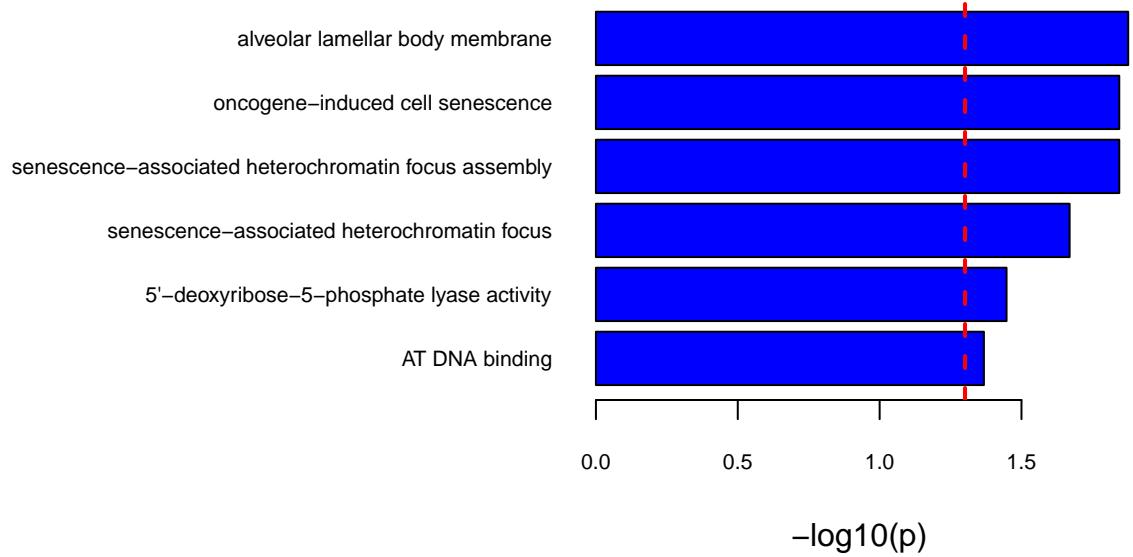


Log2 Fold Change

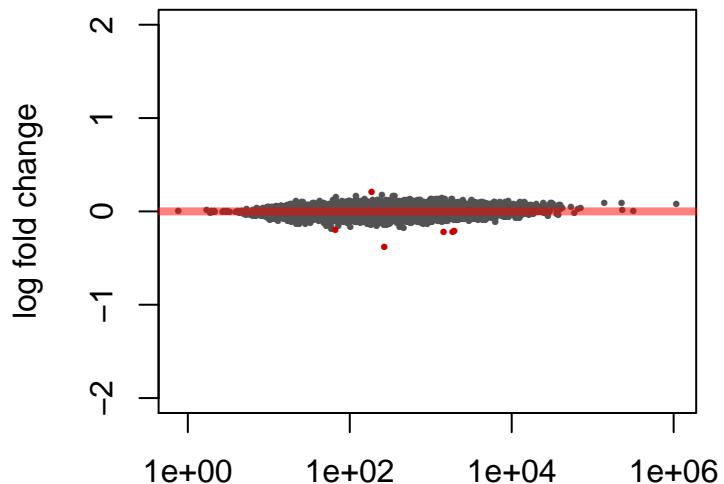
GO downregulated genotype hc



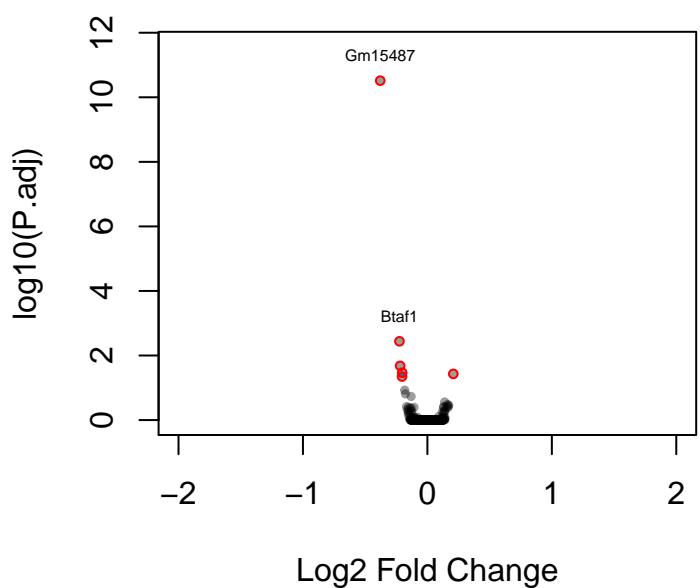
GO upregulated genotype hc



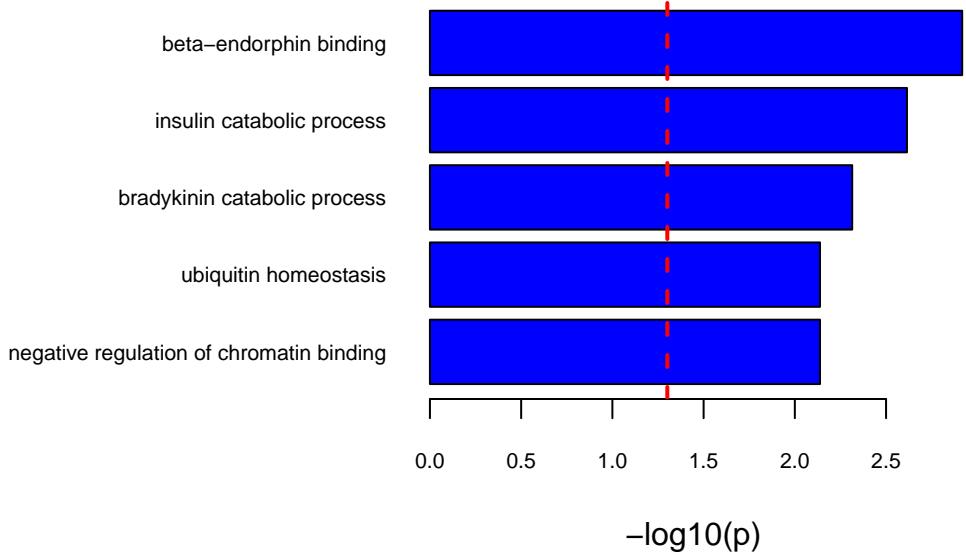
hc treatment



mean of normalized counts

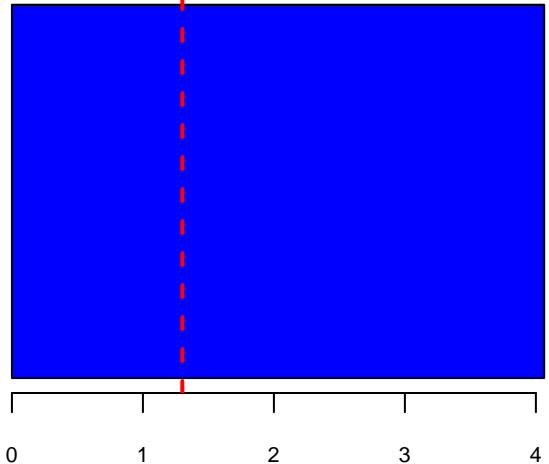


GO downregulated treatment hc

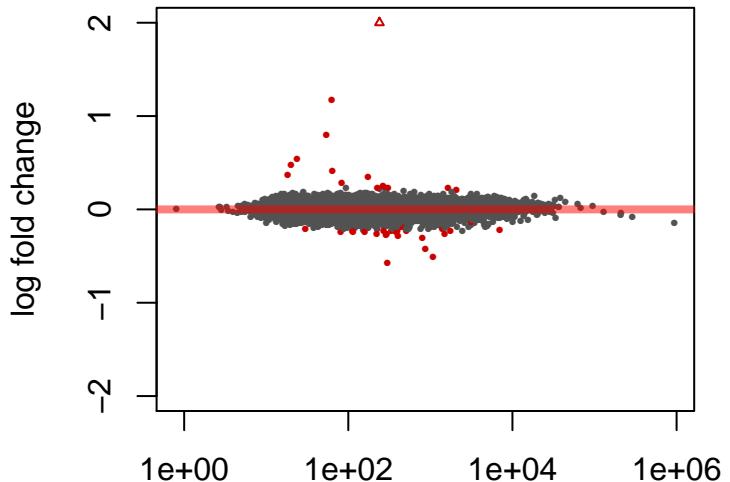


GO upregulated treatment hc

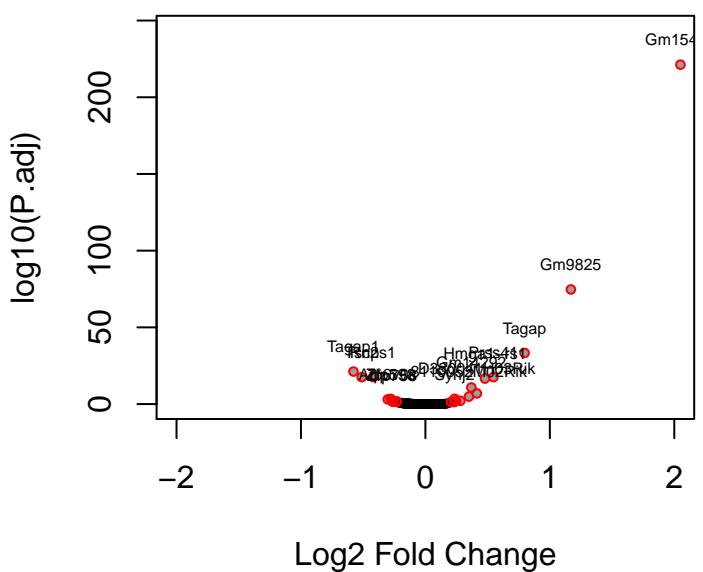
regulation of cell proliferation involved in tissue homeostasis



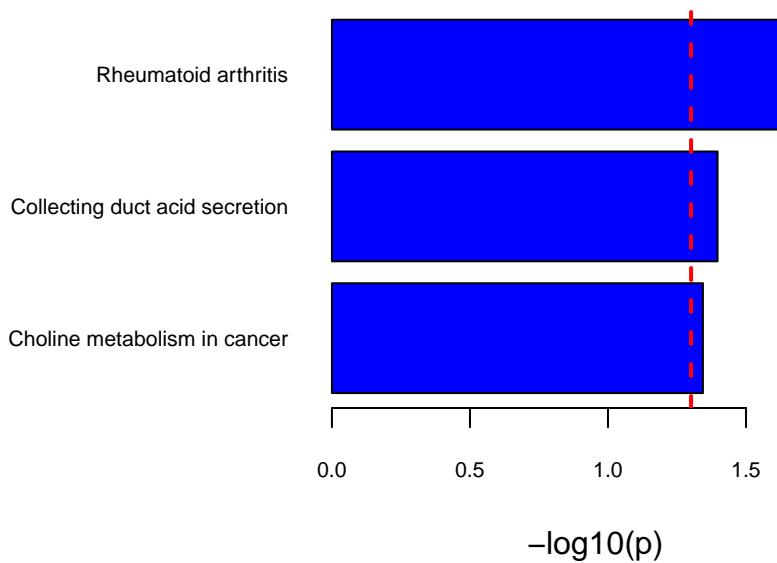
pfc genotype



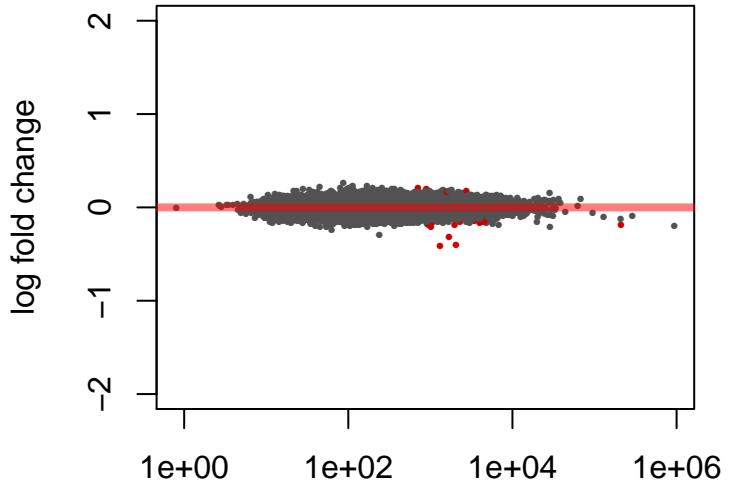
mean of normalized counts



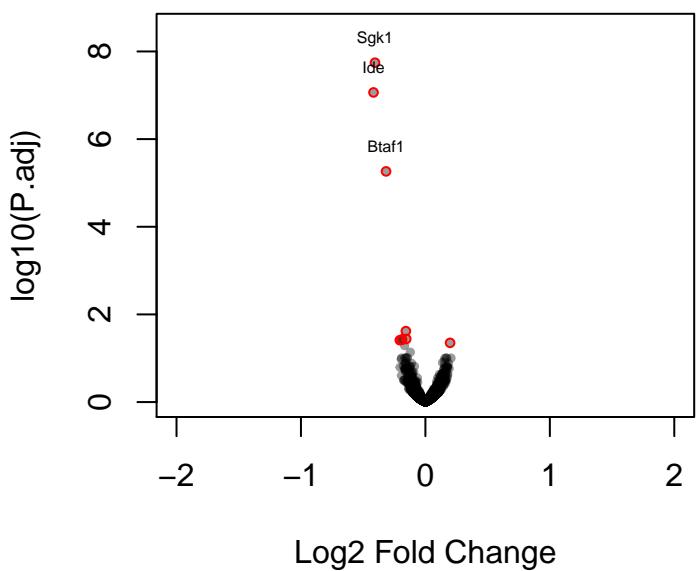
GO downregulated genotype pfc



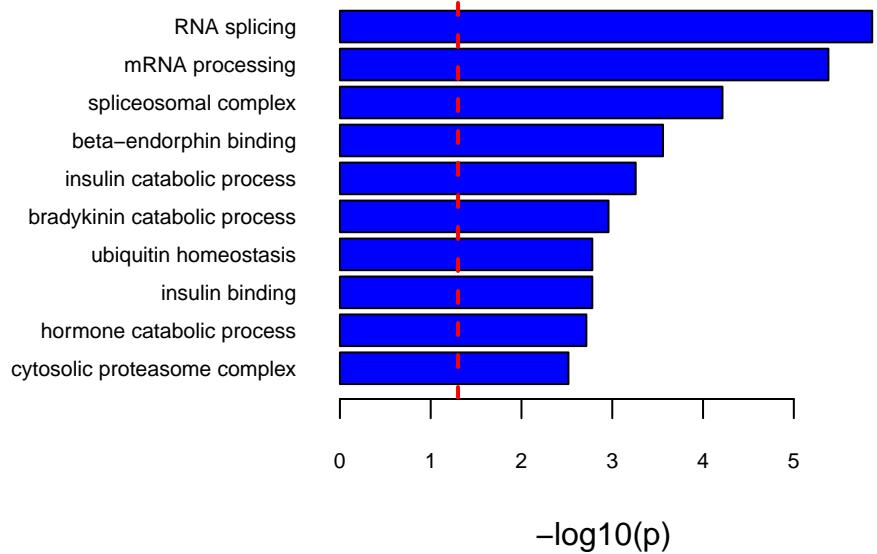
pfc treatment



mean of normalized counts



GO downregulated treatment pfc



GO upregulated treatment pfc

