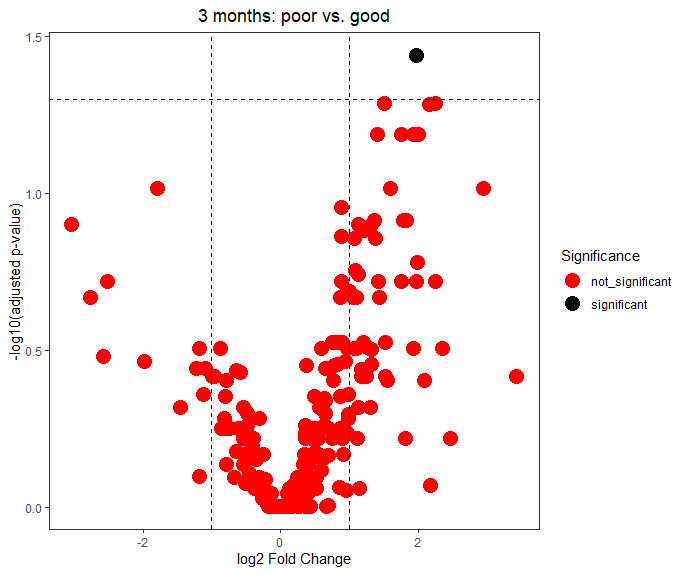
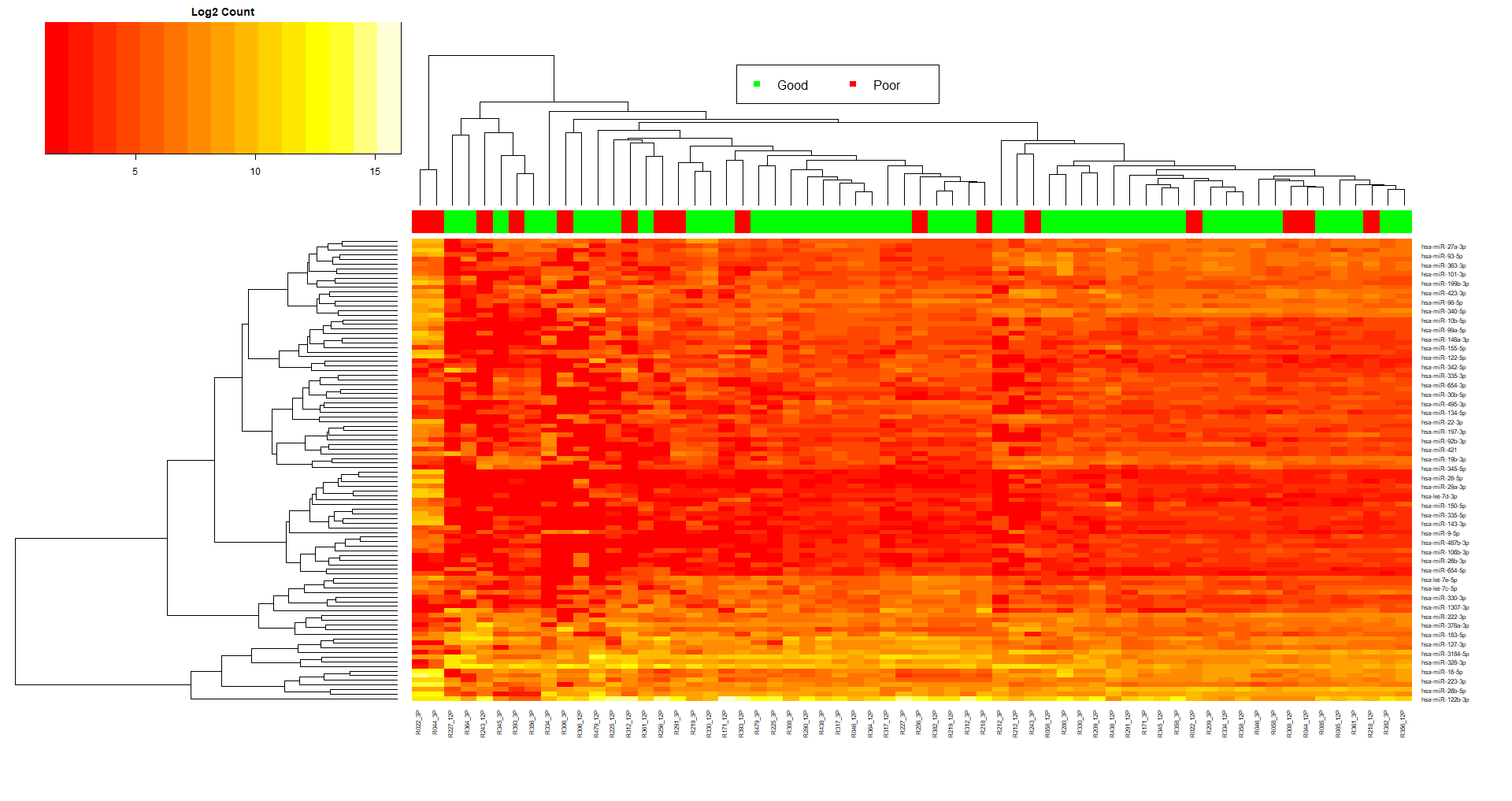
**Results**

**3 months poor Vs good function**

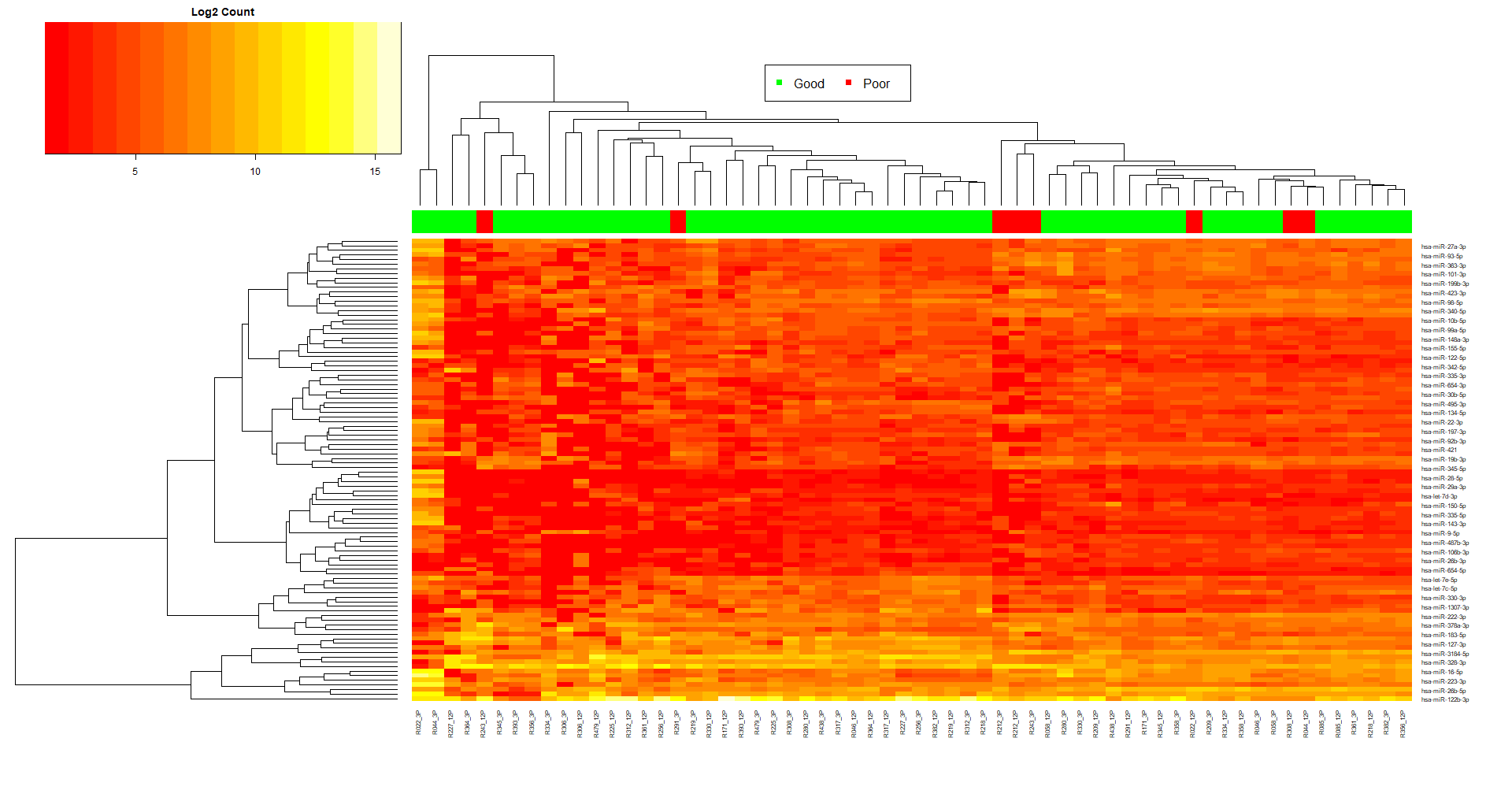
design = ~ three\_month\_status + Donor\_Age + Donor\_Gender\_M\_F

contrast\_3P <- c("three\_month\_status", "Poor", "Good")



****

**Unsupervised HC: three months function**

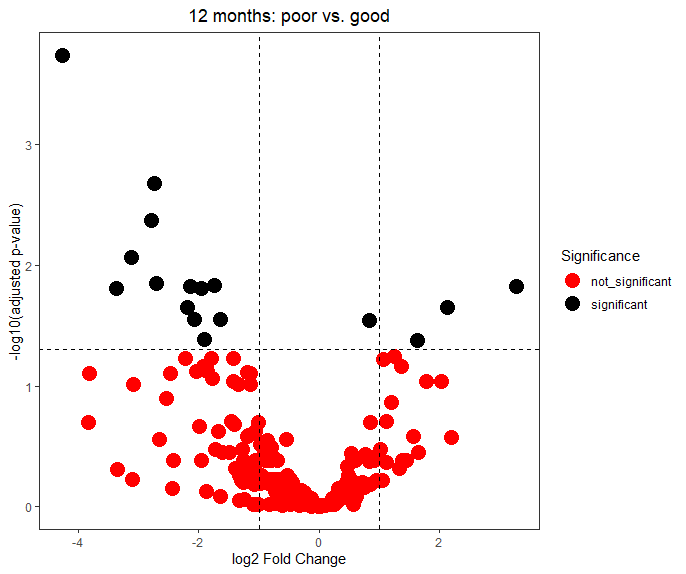
****

**Unsupervised HC: twelve months function**

**12 month poor Vs good function**

design = ~ twelve\_month\_status + Donor\_Age + Donor\_Gender\_M\_F

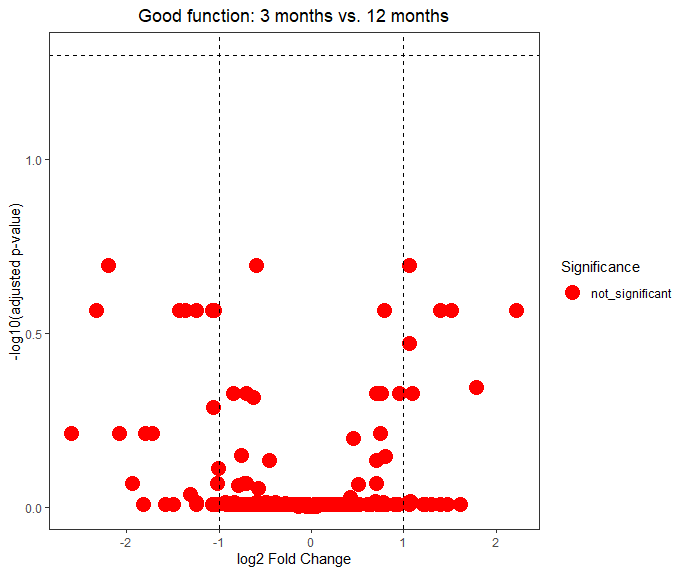
contrast\_12P <- c("twelve\_month\_status", "Poor", "Good")



**3 months Good vs 12 months Good**

design = ~ time\_point + Donor\_Age + Donor\_Gender\_M\_F

contrast <- c("time\_point", "three\_P", "twelve\_P")



**3 months poor Vs 12 months poor**

design = ~ time\_point + Donor\_Age + Donor\_Gender\_M\_F

contrast <- c("time\_point", "three\_P", "twelve\_P")

