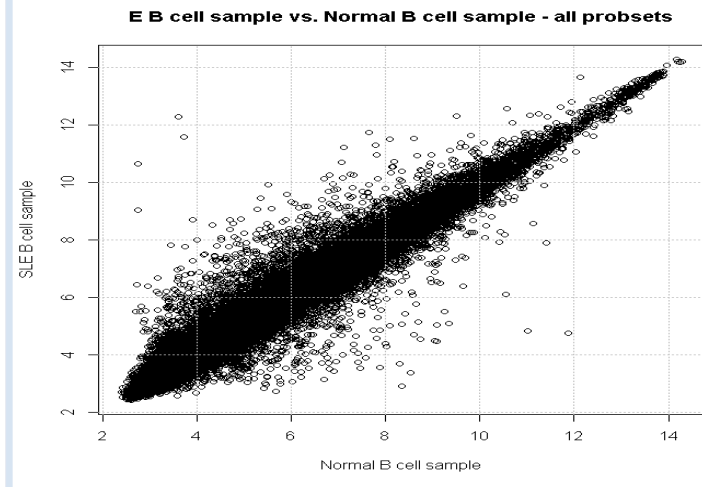
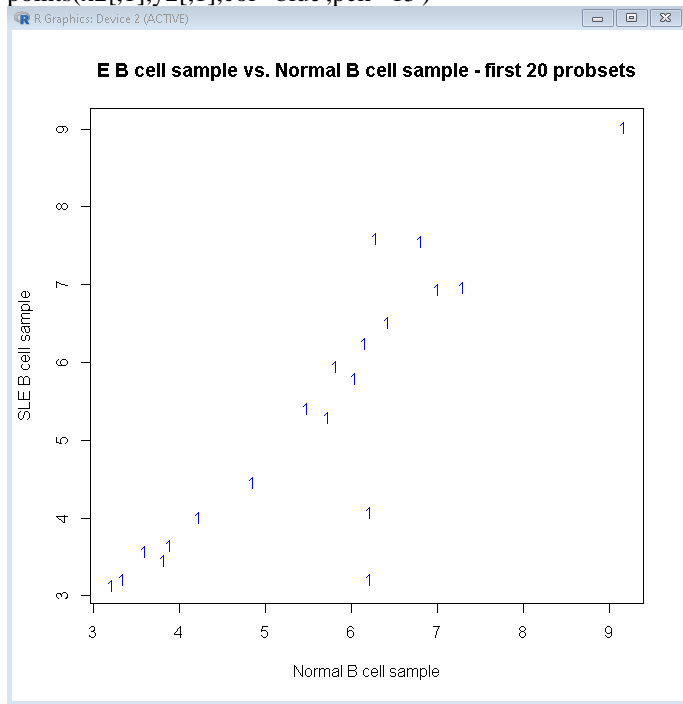


- [illegible]



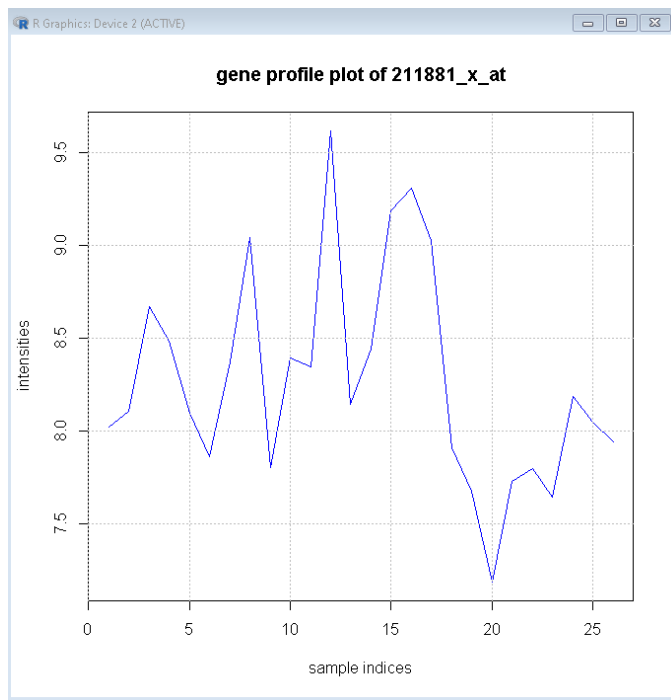
6. 

```
y2 <- data.frame(y = y[,1][1:20])
x2 <- data.frame(x = x[,1][1:20])
plot(x2[,1],y2[,1],type='n',xlab='Normal B cell sample',ylab='SLE B cell sample',main='E B cell sample vs.
Normal B cell sample - first 20 probsets')
points(x2[,1],y2[,1],col='blue',pch='15')
```



7. 

```
df <- data.frame(mydata)
x.numeric = as.numeric(df[, '211881_x_at', ])
plot(1:26,x.numeric,type = 'n', xlab = 'sample indices', ylab = 'intensities', main = 'gene profile plot of
211881_x_at')
lines(1:26,x.numeric,col='blue')
grid(col = 'grey')
```



8. 

```
f <- data.frame(x.numeric,c(rep("SLE",17),rep("Control",9)))
colnames(f) <- c('expression', 'sample')
box <- ggplot(f,aes(x=sample,y=expression,fill=sample))+
ggtitle("gene profile across conditions")+
geom_boxplot()
```

