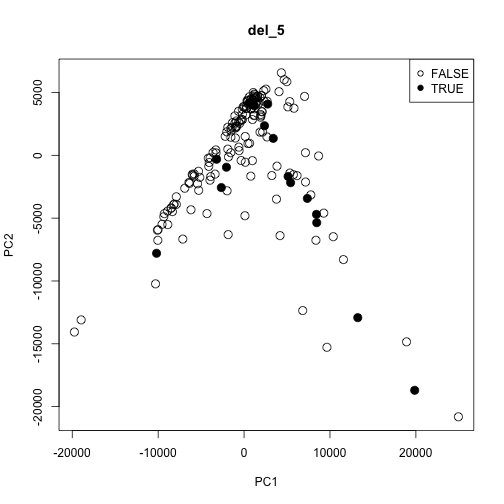
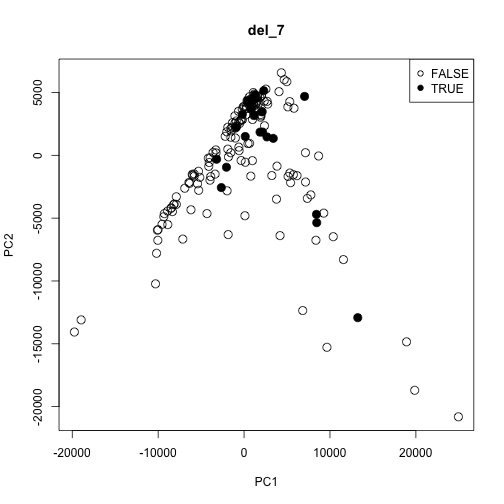
unnamed-chunk-132.png

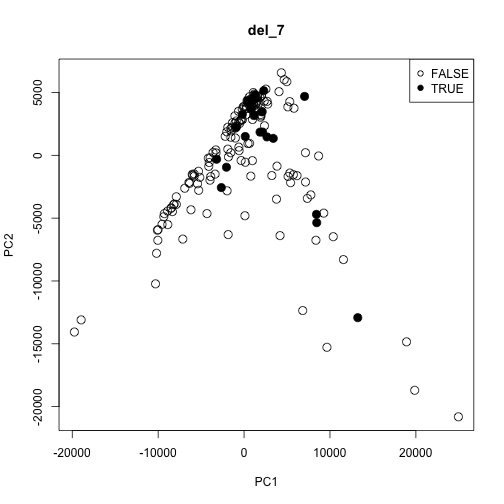
unnamed-chunk-133.png

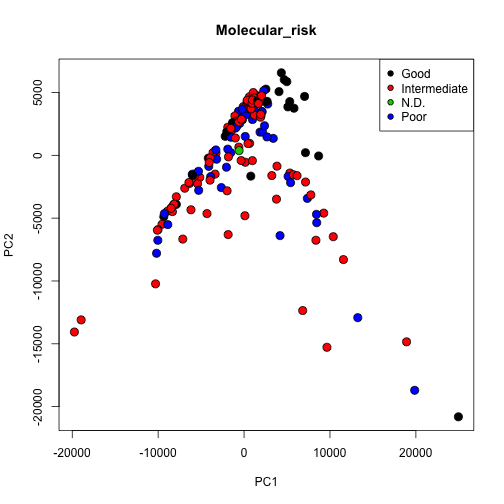
unnamed-chunk-134.png

unnamed-chunk-135.png









**del\_5 result**

## sensetivity specificty

## Basic PCA 0.9448 0.4375

## Kernelized PCA 0.9448 0.1250

**Cytogenetic\_risk**

c("Good","Intermediate","Poor"), c(1,0,0)

specificty sensetivity

Basic PCA 0.9580420 0.6363636

Kernelized PCA 0.9090909 0.5757576

c("Good","Intermediate","Poor"), c(1,0,1)

specificty sensetivity

Basic PCA 0.6633663 0.6933333

Kernelized PCA 0.6732673 0.6000000

c("Good","Intermediate","Poor"), c(0,0,1)

specificty sensetivity

Basic PCA 0.8432836 0.4523810

Kernelized PCA 0.7985075 0.3095238

**Molecular\_risk**

c("Good","Intermediate","Poor"), c(0,0,1)

specificty sensetivity

Basic PCA 0.8188976 0.3877551

Kernelized PCA 0.7244094 0.4081633