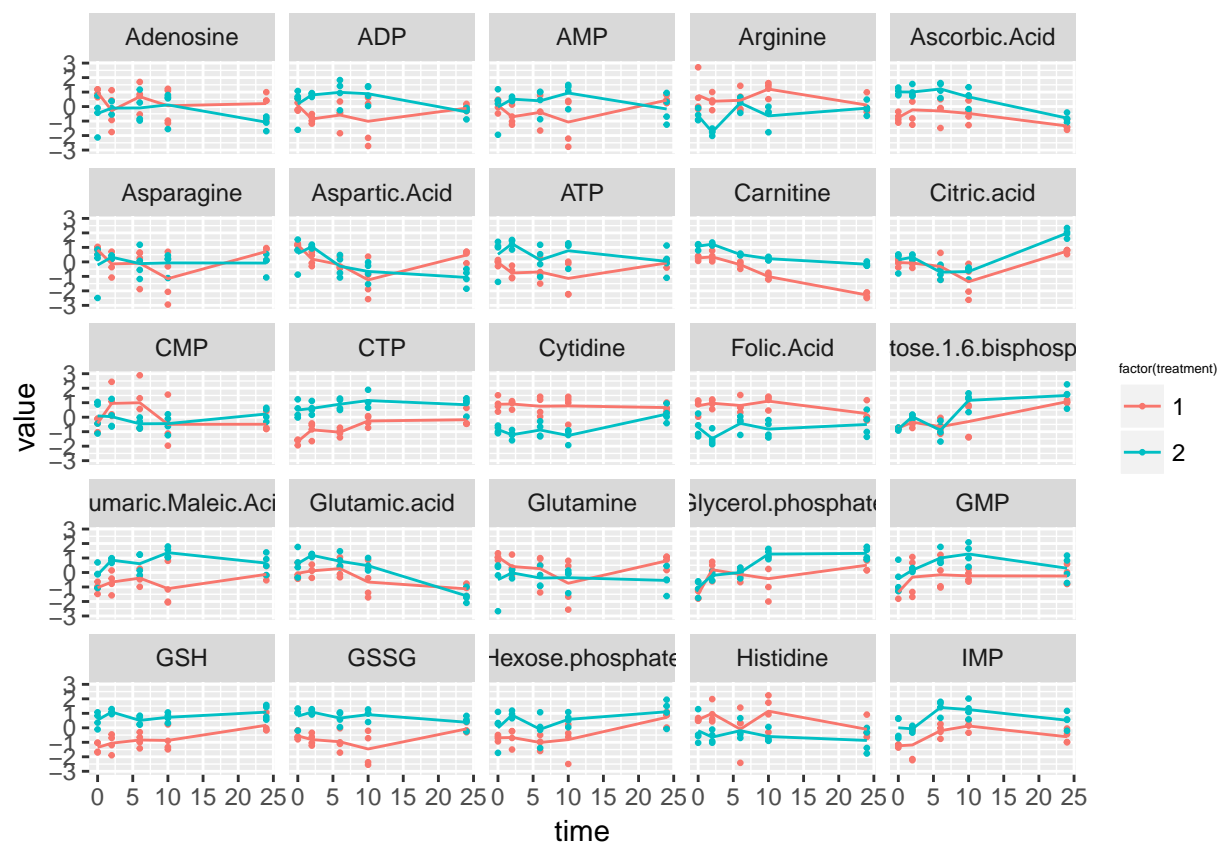
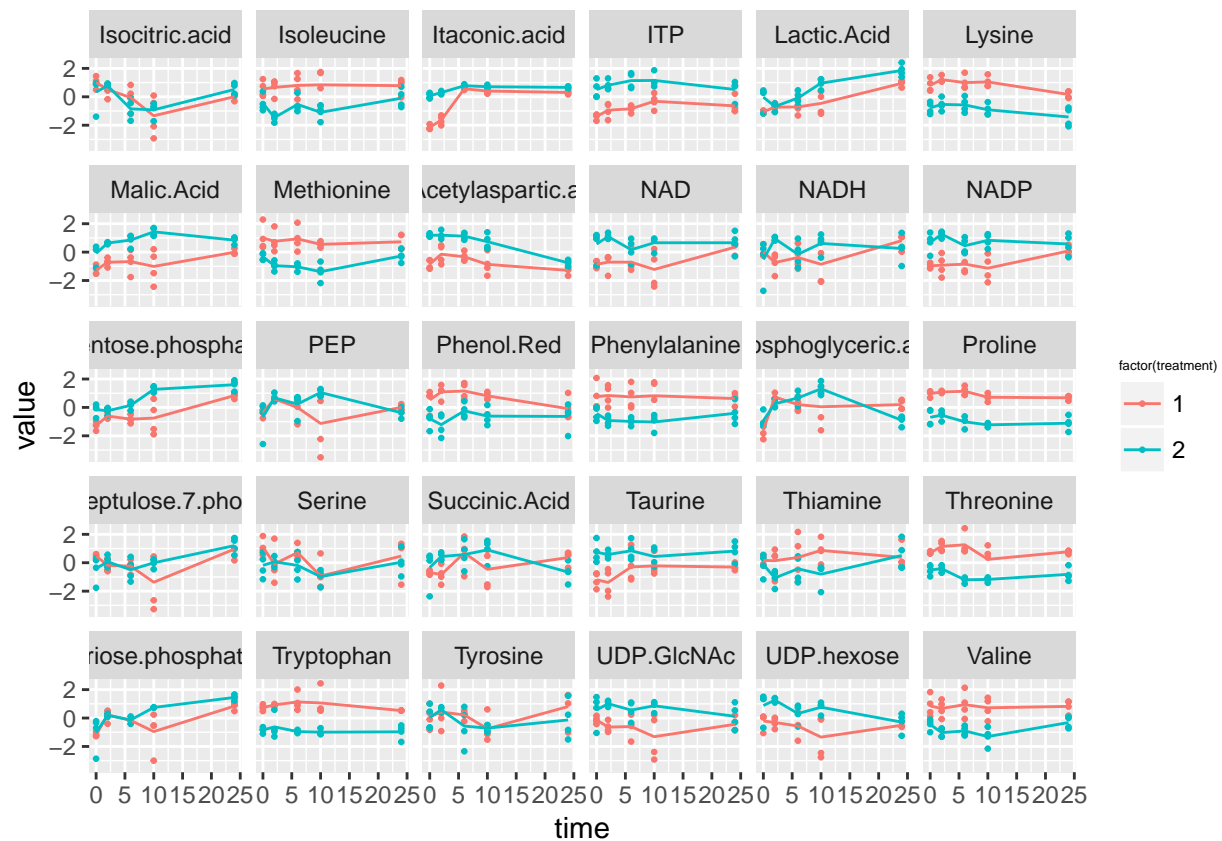


# macrophage

*zhu*

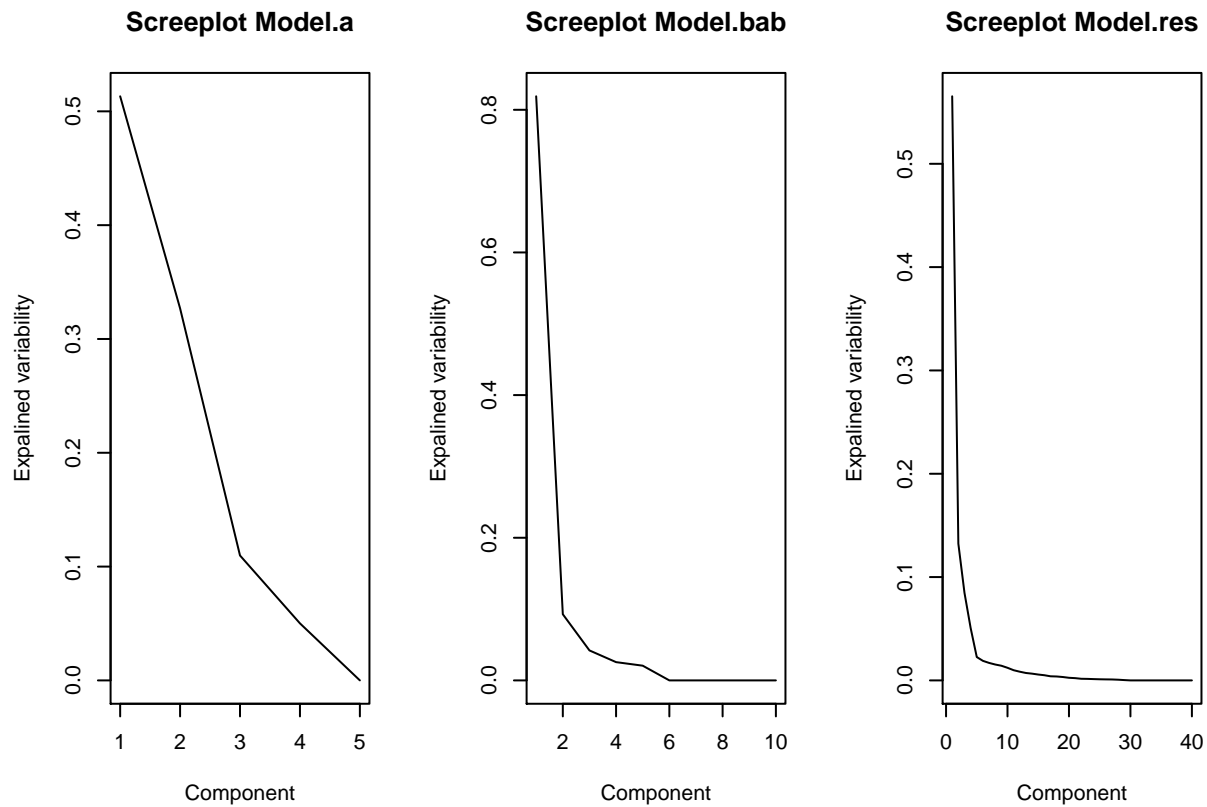
20/12/2018



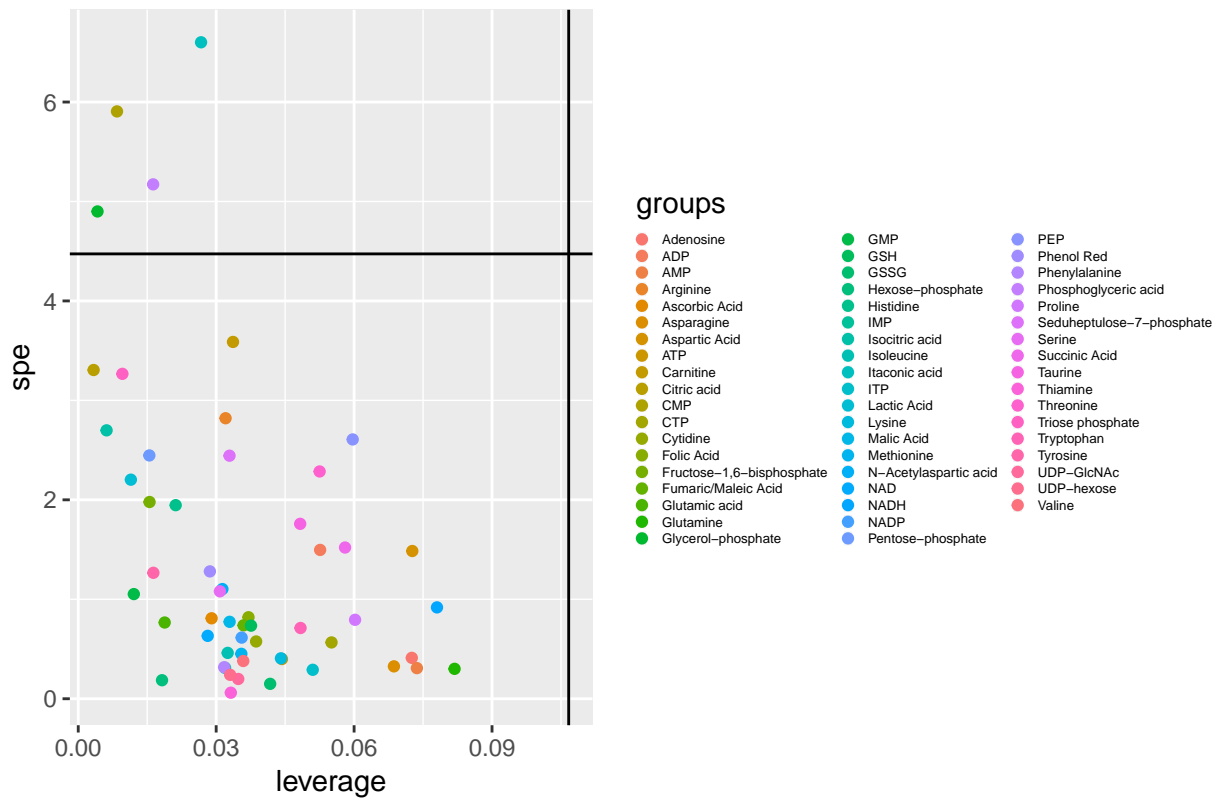


```
## [1] "running design"
## [1] "running p.vector"
## [1] "running T.fit"
## [1] "running get.siggenes"
## [1] "running see.genes 1"
## [1] "running see.genes 2"

##          treatment1 treatment2vstreatment1
## 1          Carnitine          Carnitine
## 2          Citric acid          Citric acid
## 3              CTP              CTP
## 4              GSH              Cytidine
## 5          Itaconic acid              GSH
## 6              ITP          Itaconic acid
## 7          Lactic Acid              ITP
## 8              Lysine          Lactic Acid
## 9          Malic Acid              Lysine
## 10 N-Acetylserine          Malic Acid
## 11          Pentose-phosphate          Methionine
## 12              N-Acetylserine
## 13              Pentose-phosphate
## 14              Proline
## 15              Threonine
## 16              Tryptophan
## 17              Valine
```



leverage and SPE with 2 PCs



## character(0)

