ClustVis examples

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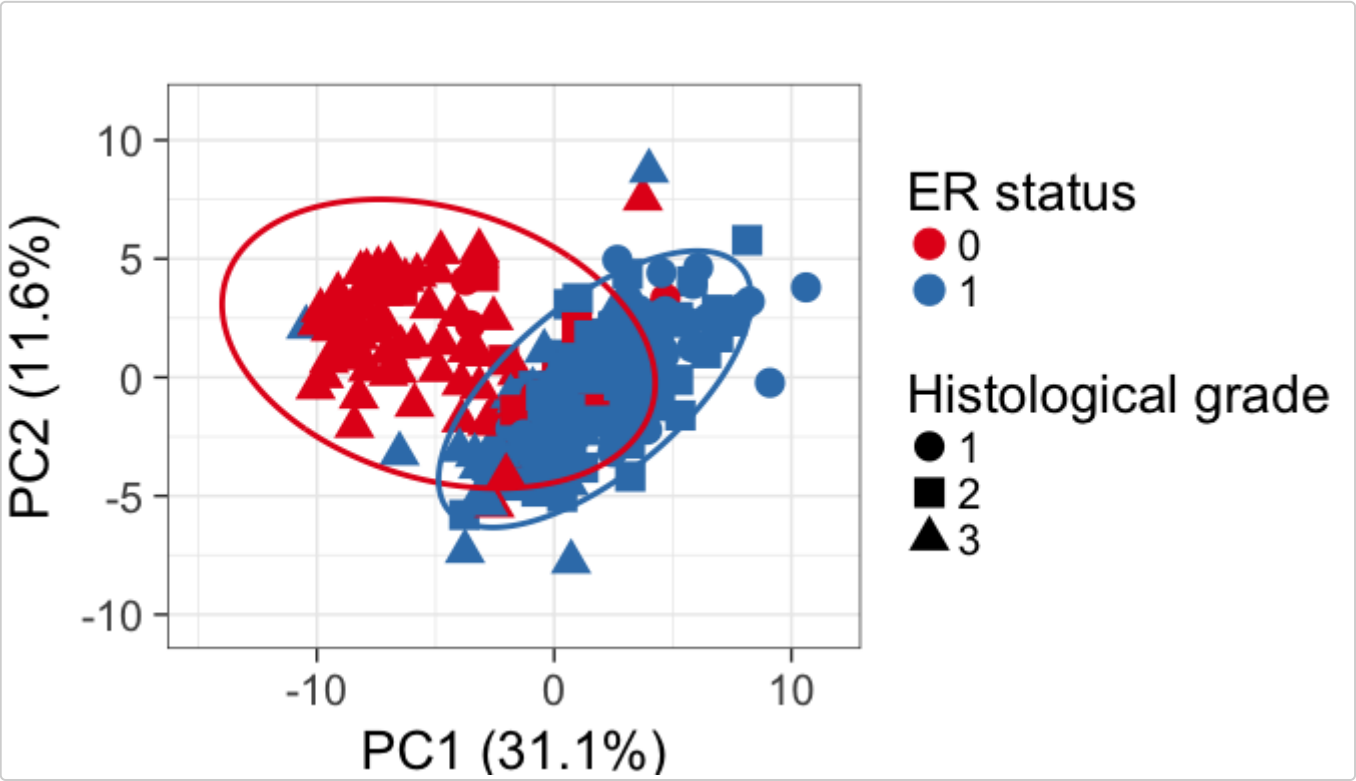
This vignette shows some minimal examples how to generate plots using R package clustvis.

PCA example

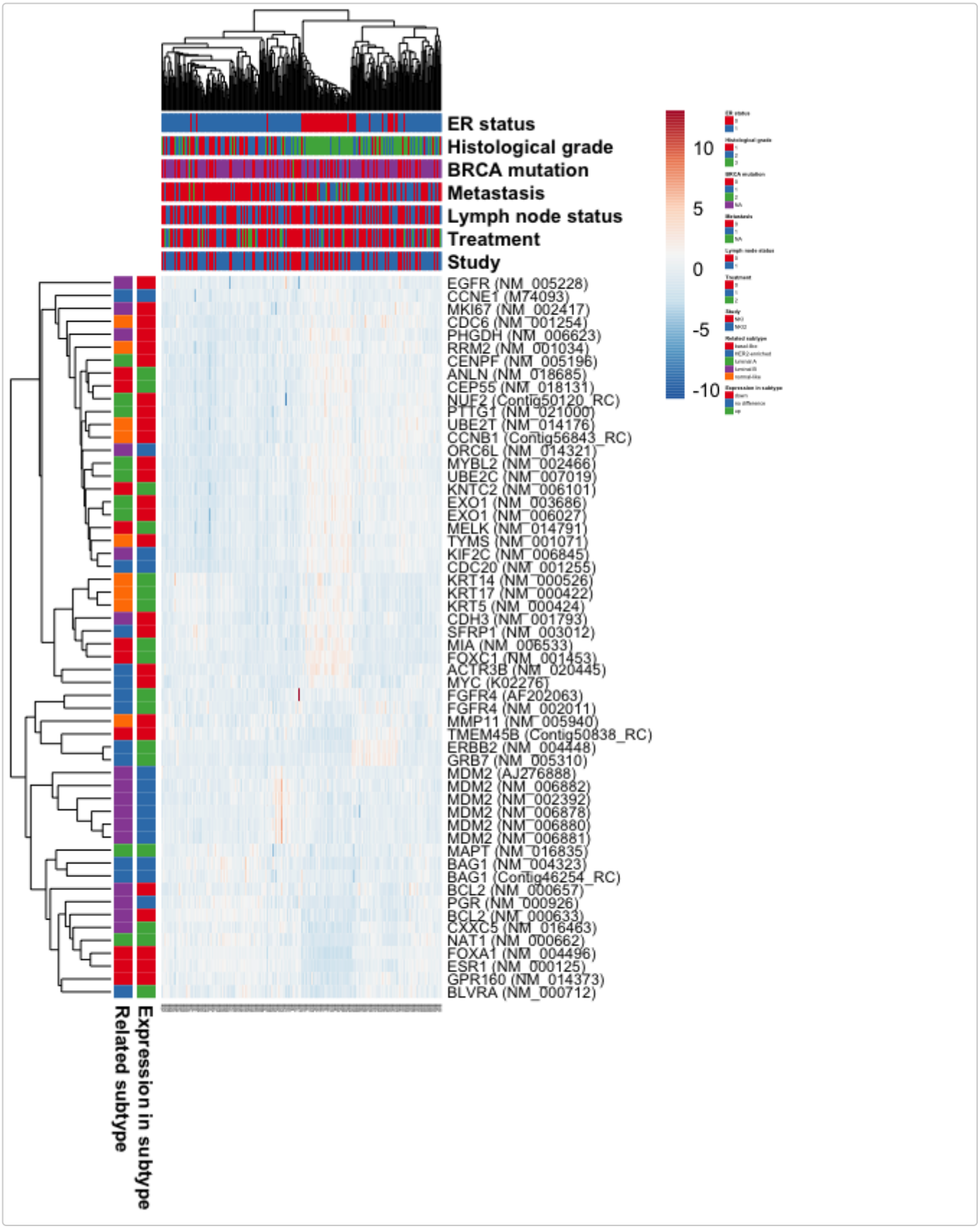
```
library(clustvis)
file = "https://raw.githubusercontent.com/taunometsalu/ClustVis/master/datasets/nki.csv"
imp = importData(file)
proc = processData(imp)
pca = generatePCA(proc)
savePCA(pca, file = NA)
```



Heatmap example

```
library(clustvis)
file = "https://raw.githubusercontent.com/taunometsalu/ClustVis/master/datasets/nki.csv"
imp = importData(file)
proc = processData(imp)

hm = generateHeatmap(proc)
saveHeatmap(hm, file = NA)
```


ER status
Histological grade
BRCA mutation
Metastasis
Lymph node status
Treatment
Study
10
5
0
-5
-10
EGFR (NM_005228)
CCNE1 (M74093)
MKI67 (NM_002417)
CDC6 (NM_001254)
PHGDH (NM_006623)
RRM2 (NM_001034)
CENPF (NM_005196)
ANLN (NM_018685)
CEP55 (NM_018131)
NUF2 (Contig50120_RC)
PTTG1 (NM_021000)
UBE2T (NM_014176)
CCNB1 (Contig56843_RC)
ORC6L (NM_014321)
MYBL2 (NM_002466)
UBE2C (NM_007019)
KNTC2 (NM_006101)
EXO1 (NM_003686)
EXO1 (NM_006027)
MELK (NM_014791)
TYMS (NM_001071)
KIF2C (NM_006845)
CDC20 (NM_001255)
KRT14 (NM_000526)
KRT17 (NM_000422)
KRT5 (NM_000424)
CDH3 (NM_001793)
SFRP1 (NM_003012)
MIA (NM_006533)
FOXC1 (NM_001453)
ACTR3B (NM_020445)
MYC (K02276)
FGFR4 (AF202063)
FGFR4 (NM_002011)
MMP11 (NM_005940)
TMEM45B (Contig50838_RC)
ERBB2 (NM_004448)
GRB7 (NM_005310)
MDM2 (AJ276888)
MDM2 (NM_006882)
MDM2 (NM_002392)
MDM2 (NM_006878)
MDM2 (NM_006880)
MDM2 (NM_006881)
MAPT (NM_016835)
BAG1 (NM_004323)
BAG1 (Contig46254_RC)
BCL2 (NM_000657)
PGR (NM_000926)
BCL2 (NM_000633)
CXXC5 (NM_016463)
NAT1 (NM_000662)
FOXA1 (NM_004496)
ESR1 (NM_000125)
GPR160 (NM_014373)
BLVRA (NM_000712)
Related subtype
Expression in subtype