**Gene Set 8 : BIOCARTA_G1_PATHWAY**

Running Enrichment Score (RES)

Zero crossing at 7849

Peak at 5279

"clus4"

"NON.clus4"

Gene List Index
Number of genes: 18646 (in list), 27 (in gene set)
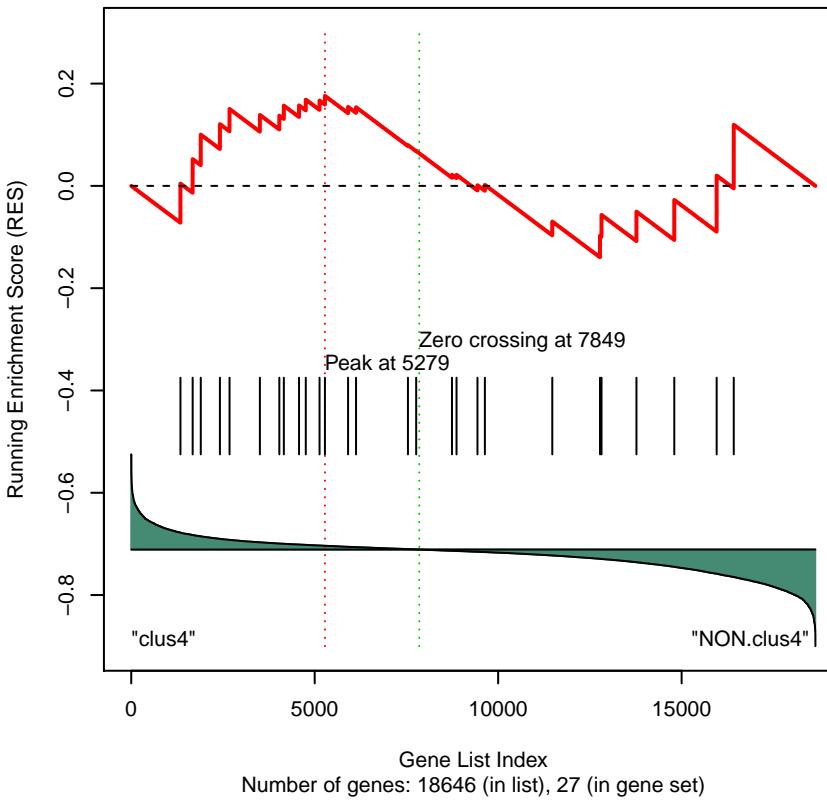
**Gene Set Null Distribution**

— Gene Set Null Density
— Observed Gene Set ES value

P(ES)

Neg. ES "NON.clus4"

Pos. ES: "clus4"

ES

ES = 0.176  NES = 0.583  Nom. p–val= 0.948  FWER= 1  FDR= 0.943
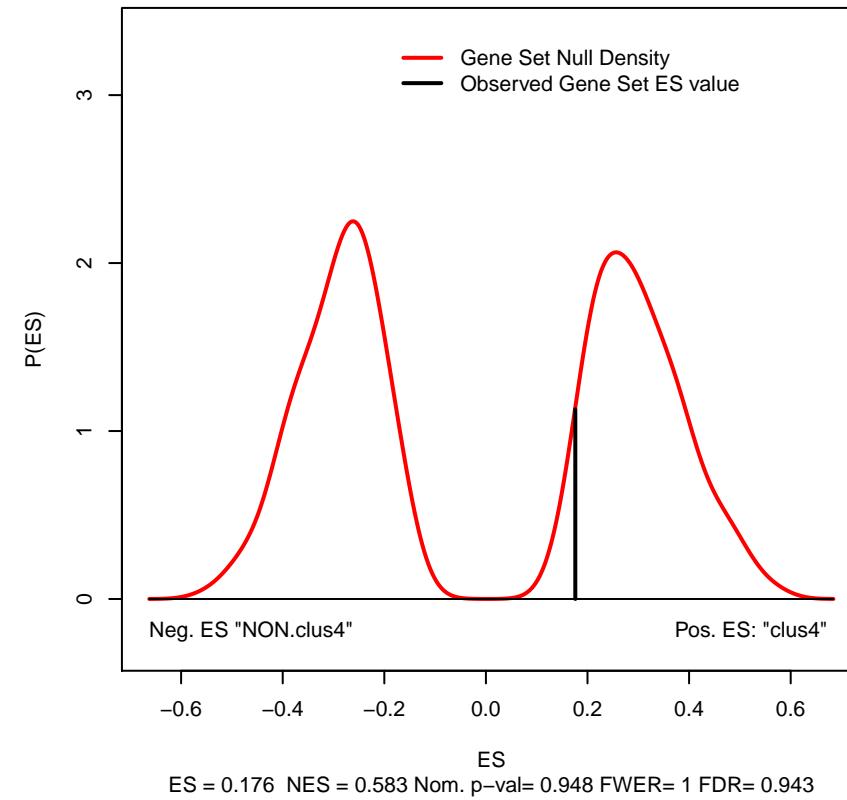
**Heat Map for Genes in Gene Set**

clus4        NON.clus4

Class
TGFB1
TGFB3
CDKN1B
CDK2
TP53
CDKN2A
TFDP1
CDK4
ABL1
CDK1
DHFR
TGFB2
CDC25A
SMAD4
ATR
SMAD3
SKP2
GSK3B
CCNE1
HDAC1
CDKN2B
CDK6
CDKN1A
ATM
RB1
CCNA1
CCND1