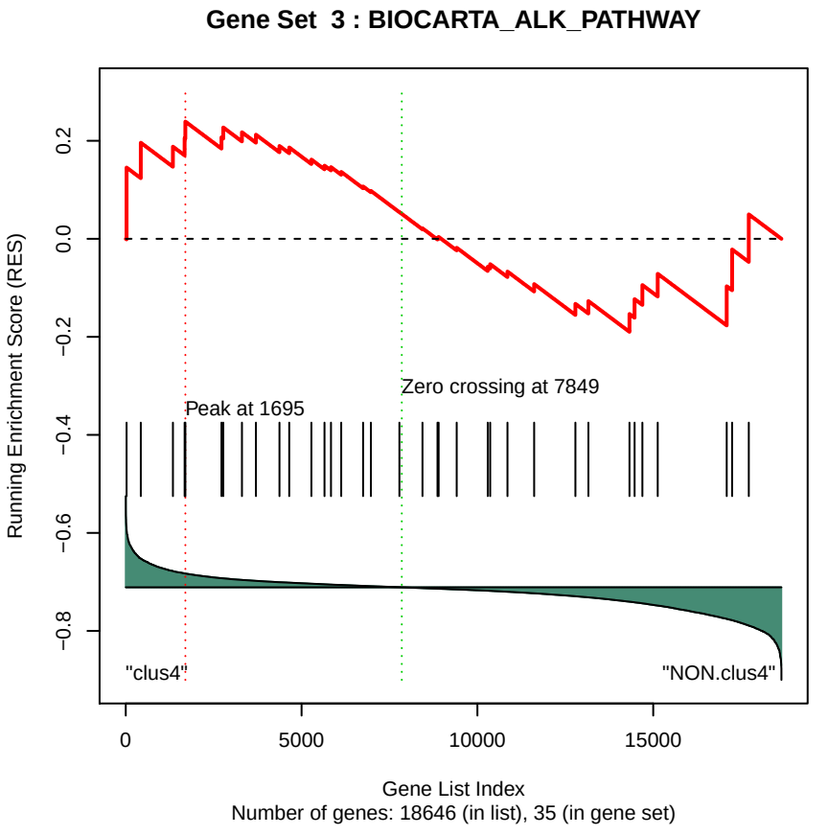
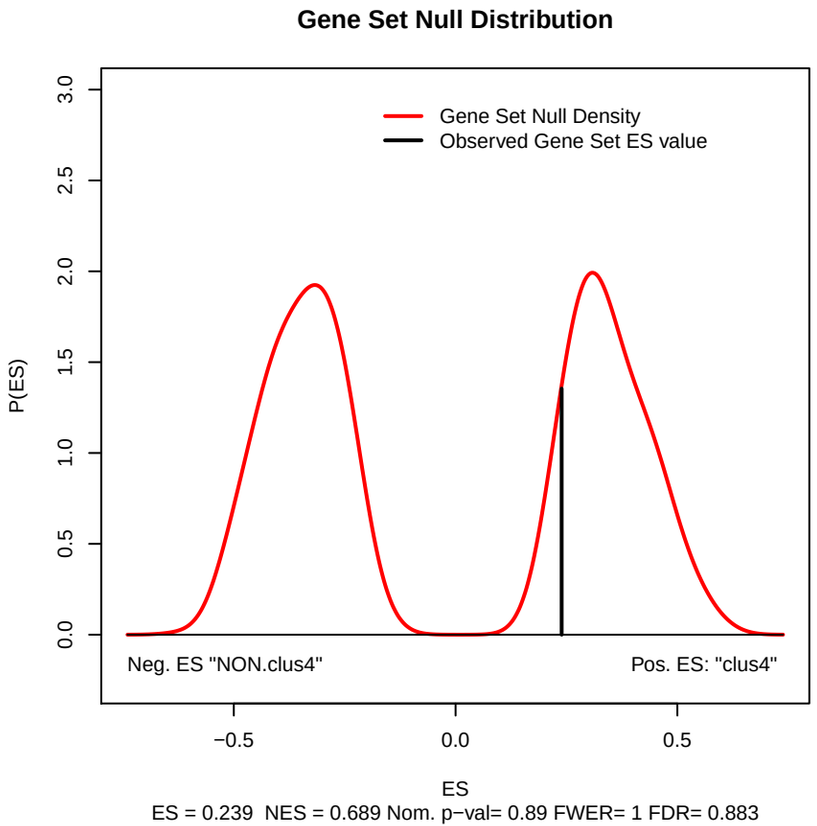
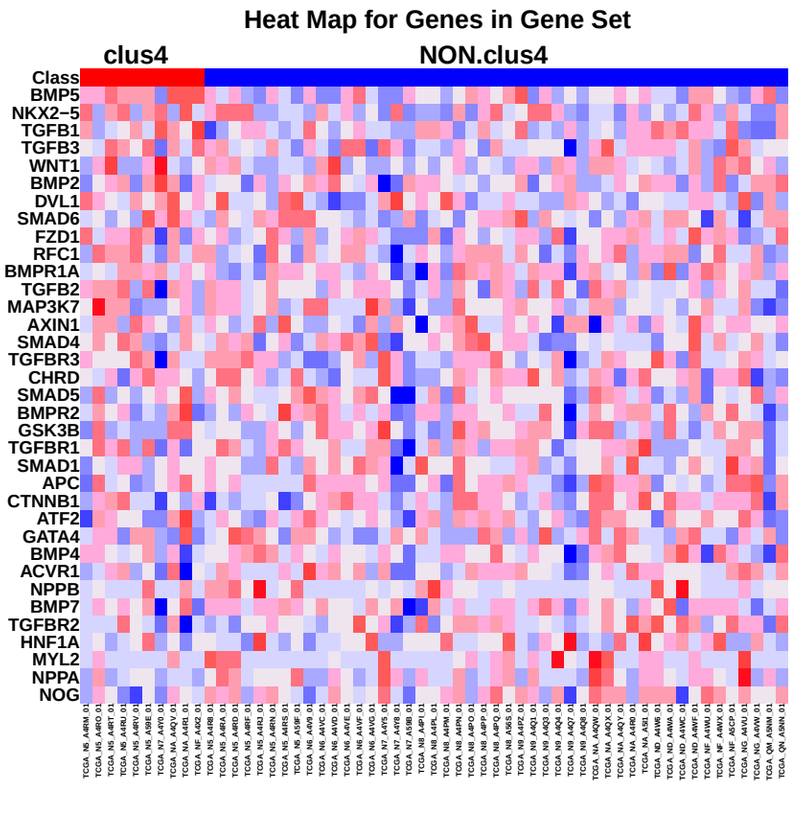

Gene Set 3 : BIOCARTA_ALK_PATHWAY
Running Enrichment Score (RES)
0.2
0.0
−0.2
−0.4
−0.6
−0.8
Peak at 1695
Zero crossing at 7849
"clus4"
"NON.clus4"
0
5000
10000
15000
Gene List Index
Number of genes: 18646 (in list), 35 (in gene set)


Gene Set Null Distribution
P(ES)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Gene Set Null Density
Observed Gene Set ES value
Neg. ES "NON.clus4"
Pos. ES: "clus4"
−0.5
0.0
0.5
ES
ES = 0.239 NES = 0.689 Nom. p−val= 0.89 FWER= 1 FDR= 0.883


Heat Map for Genes in Gene Set
clus4
NON.clus4
Class
BMP5
NKX2−5
TGFB1
TGFB3
WNT1
BMP2
DVL1
SMAD6
FZD1
RFC1
BMPR1A
TGFB2
MAP3K7
AXIN1
SMAD4
TGFBR3
CHRD
SMAD5
BMPR2
GSK3B
TGFBR1
SMAD1
APC
CTNNB1
ATF2
GATA4
BMP4
ACVR1
NPPB
BMP7
TGFBR2
HNF1A
MYL2
NPPA
NOG