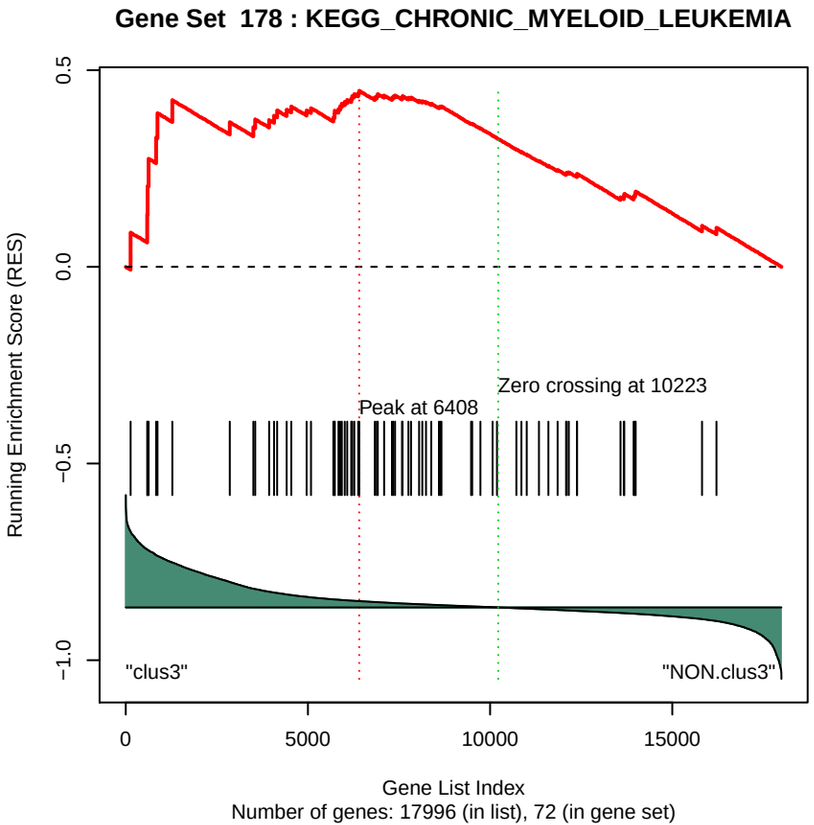
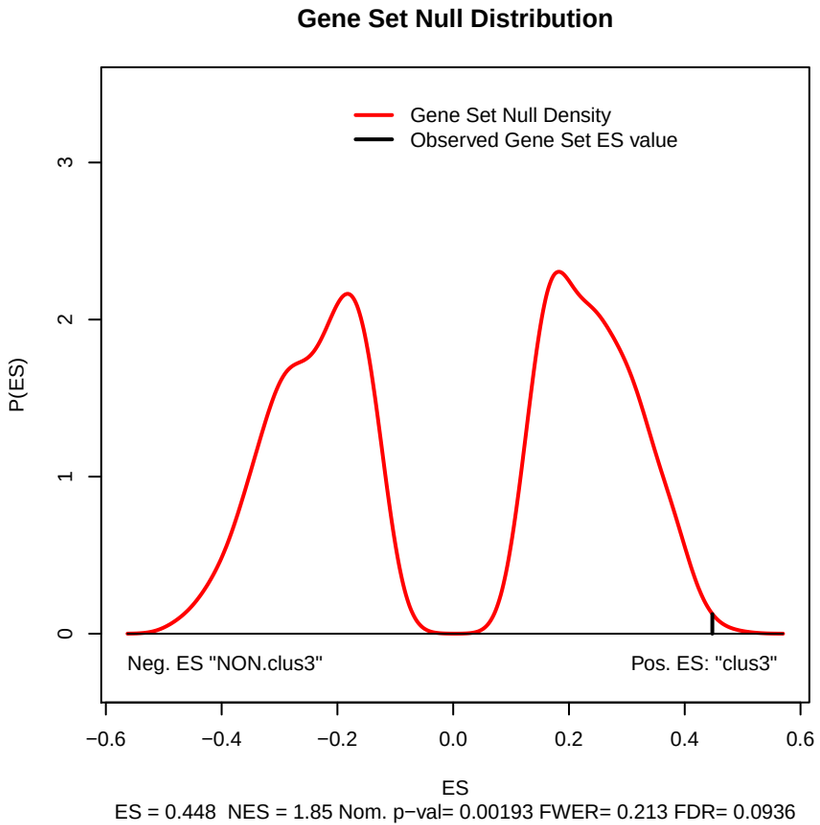
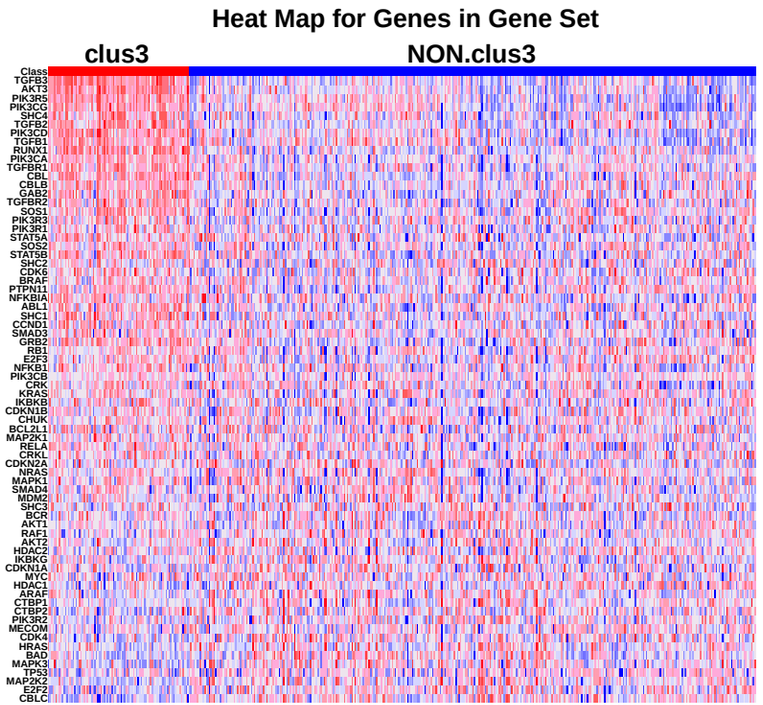

Gene Set 178 : KEGG_CHRONIC_MYELOID_LEUKEMIA
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Peak at 6408
Zero crossing at 10223
"clus3"
"NON.clus3"
0
5000
10000
15000
Gene List Index
Number of genes: 17996 (in list), 72 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
0
1
2
3
Neg. ES "NON.clus3"
Pos. ES: "clus3"
−0.6
−0.4
−0.2
0.0
0.2
0.4
0.6
ES
ES = 0.448 NES = 1.85 Nom. p−val= 0.00193 FWER= 0.213 FDR= 0.0936


Heat Map for Genes in Gene Set
clus3
NON.clus3
Class
TGFB3
AKT3
PIK3R5
PIK3CG
SHC4
TGFB2
PIK3CD
TGFB1
RUNX1
PIK3CA
TGFBR1
CBL
CBLB
GAB2
TGFBR2
SOS1
PIK3R3
PIK3R1
STAT5A
SOS2
STAT5B
SHC2
CDK6
BRAF
PTPN11
NFKBIA
ABL1
SHC1
CCND1
SMAD3
GRB2
RB1
E2F3
NFKB1
PIK3CB
CRK
KRAS
IKBKB
CDKN1B
CHUK
BCL2L1
MAP2K1
RELA
CRKL
CDKN2A
NRAS
MAPK1
SMAD4
MDM2
SHC3
BCR
AKT1
RAF1
AKT2
HDAC2
IKBKG
CDKN1A
MYC
HDAC1
ARAF
CTBP1
CTBP2
PIK3R2
MECOM
CDK4
HRAS
BAD
MAPK3
TP53
MAP2K2
E2F2
CBLC