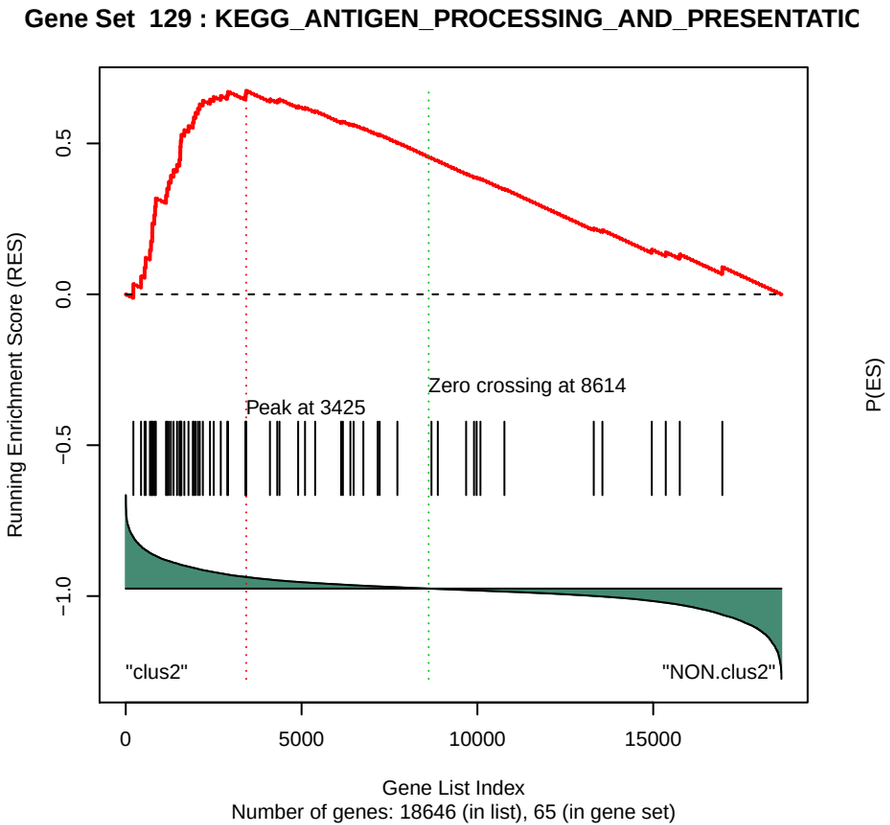
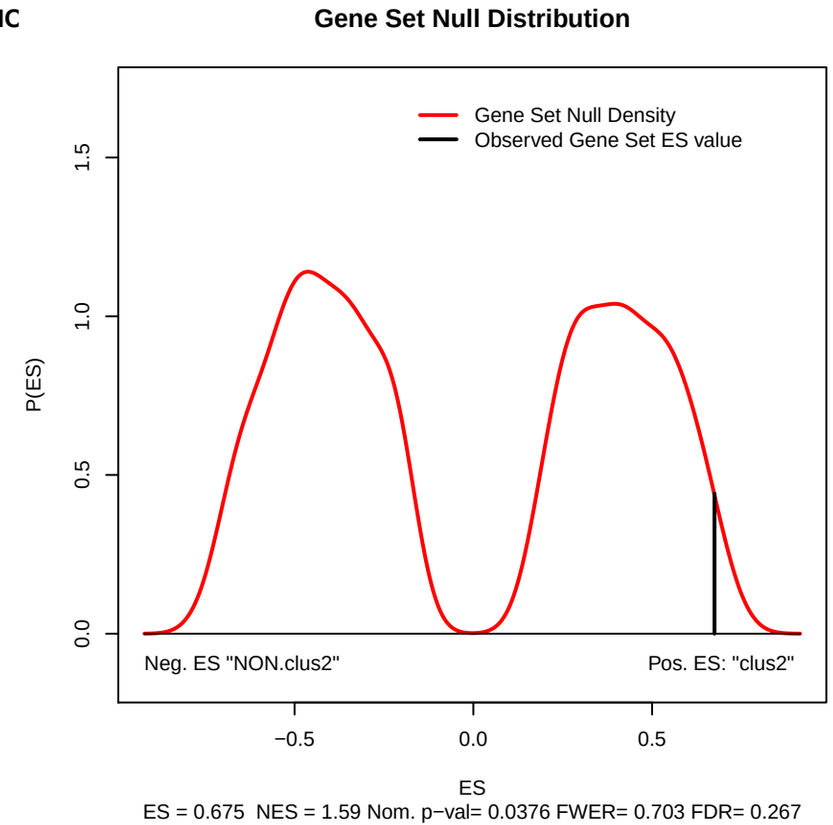
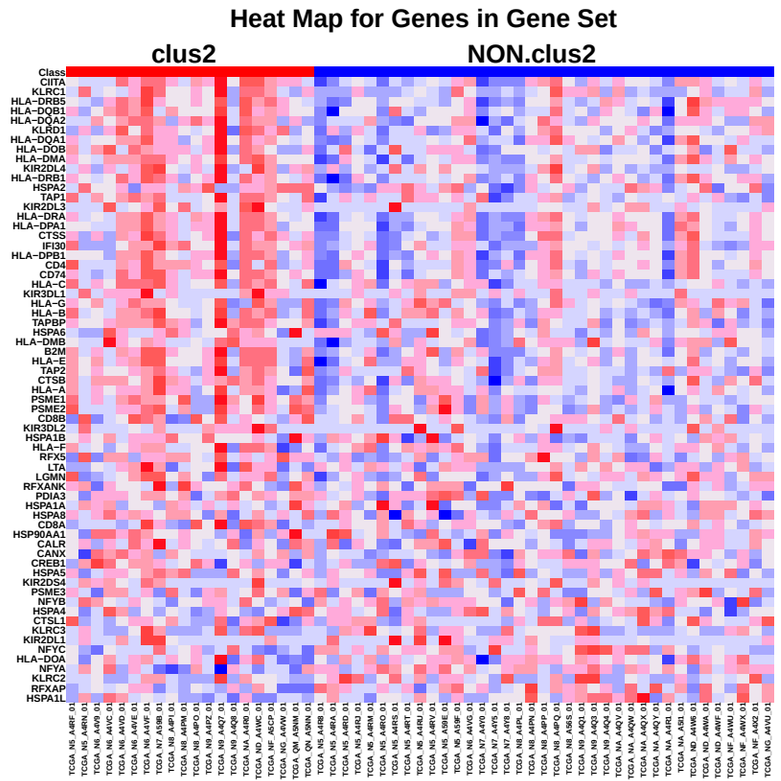

Gene Set 129 : KEGG_ANTIGEN_PROCESSING_AND_PRESENTATIC
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Peak at 3425
Zero crossing at 8614
"clus2"
"NON.clus2"
0
5000
10000
15000
Gene List Index
Number of genes: 18646 (in list), 65 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
1.5
1.0
0.5
0.0
Neg. ES "NON.clus2"
Pos. ES: "clus2"
−0.5
0.0
0.5
ES
ES = 0.675 NES = 1.59 Nom. p−val= 0.0376 FWER= 0.703 FDR= 0.267


Heat Map for Genes in Gene Set
clus2
NON.clus2
Class
CIITA
KLRC1
HLA−DRB5
HLA−DQB1
HLA−DQA2
KLRD1
HLA−DQA1
HLA−DOB
HLA−DMA
KIR2DL4
HLA−DRB1
HSPA2
TAP1
KIR2DL3
HLA−DRA
HLA−DPA1
CTSS
IFI30
HLA−DPB1
CD4
CD74
HLA−C
KIR3DL1
HLA−G
HLA−B
TAPBP
HSPA6
HLA−DMB
B2M
HLA−E
TAP2
CTSB
HLA−A
PSME1
PSME2
CD8B
KIR3DL2
HSPA1B
HLA−F
RFX5
LTA
LGMN
RFXANK
PDIA3
HSPA1A
HSPA8
CD8A
HSP90AA1
CALR
CANX
CREB1
HSPA5
KIR2DS4
PSME3
NFYB
HSPA4
CTSL1
KLRC3
KIR2DL1
NFYC
HLA−DOA
NFYA
KLRC2
RFXAP
HSPA1L