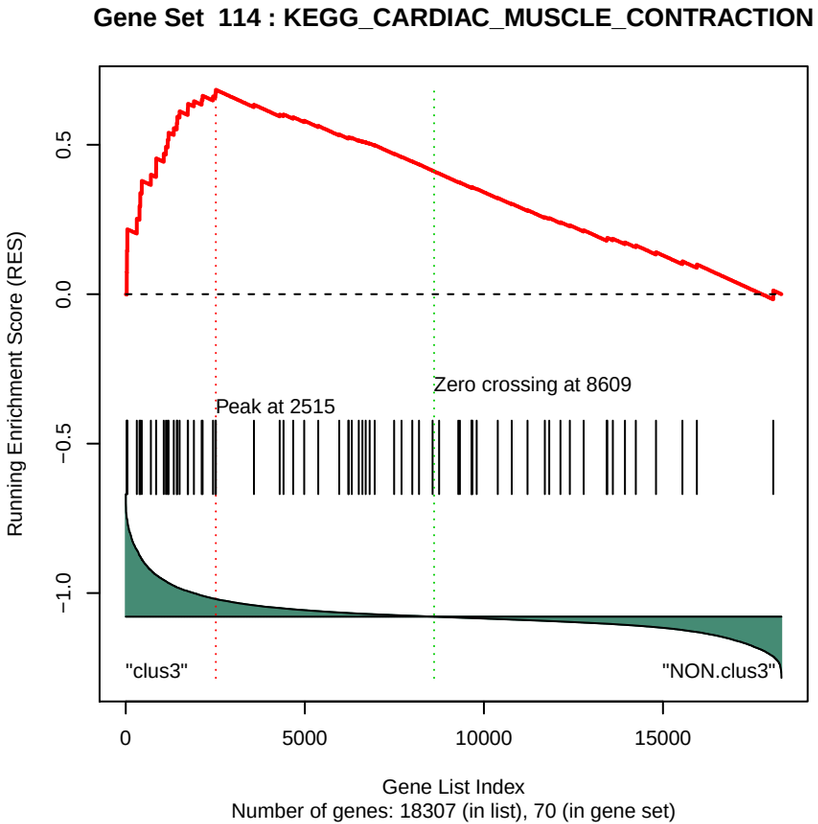
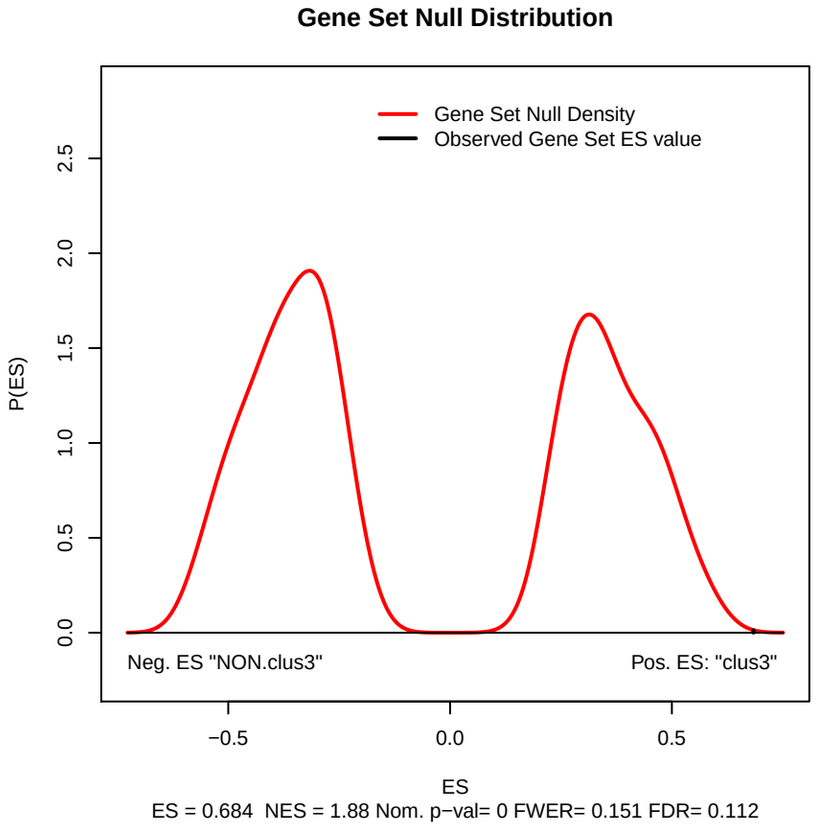
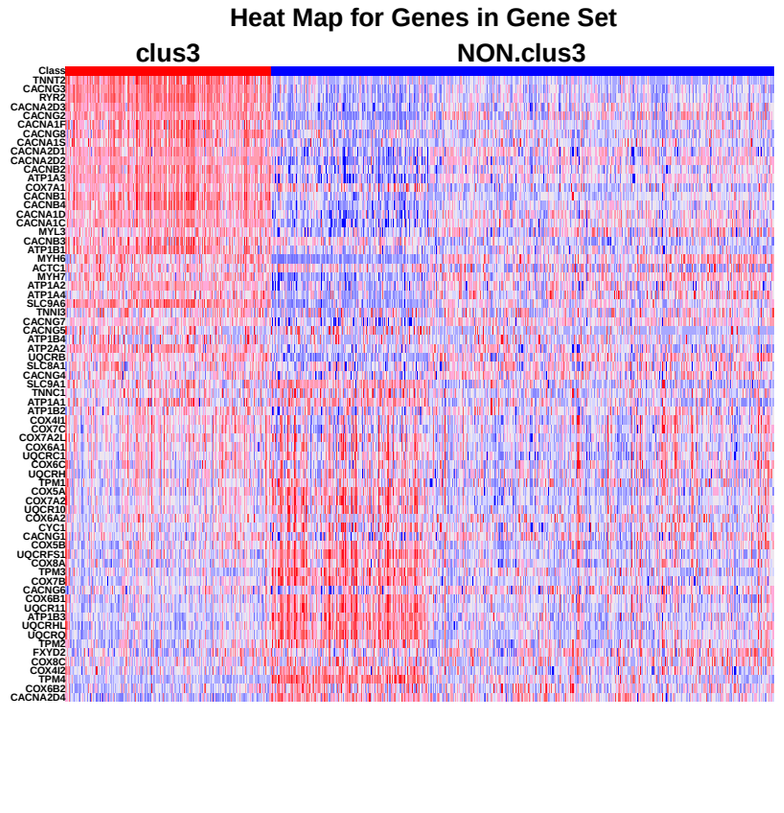

Gene Set 114 : KEGG_CARDIAC_MUSCLE_CONTRACTION
Running Enrichment Score (RES)
0.5
0.0
−0.5
−1.0
Peak at 2515
Zero crossing at 8609
"clus3"
"NON.clus3"
0
5000
10000
15000
Gene List Index
Number of genes: 18307 (in list), 70 (in gene set)


Gene Set Null Distribution
Gene Set Null Density
Observed Gene Set ES value
P(ES)
0.0
0.5
1.0
1.5
2.0
2.5
Neg. ES "NON.clus3"
Pos. ES: "clus3"
−0.5
0.0
0.5
ES
ES = 0.684 NES = 1.88 Nom. p−val= 0 FWER= 0.151 FDR= 0.112


Heat Map for Genes in Gene Set
clus3
NON.clus3
Class
TNNT2
CACNG3
RYR2
CACNA2D3
CACNG2
CACNA1F
CACNG8
CACNA1S
CACNA2D1
CACNA2D2
CACNB2
ATP1A3
COX7A1
CACNB1
CACNB4
CACNA1D
CACNA1C
MYL3
CACNB3
ATP1B1
MYH6
ACTC1
MYH7
ATP1A2
ATP1A4
SLC9A6
TNNI3
CACNG7
CACNG5
ATP1B4
ATP2A2
UQCRB
SLC8A1
CACNG4
SLC9A1
TNNC1
ATP1A1
ATP1B2
COX4I1
COX7C
COX7A2L
COX6A1
UQCRC1
COX6C
UQCRH
TPM1
COX5A
COX7A2
UQCR10
COX6A2
CYC1
CACNG1
COX5B
UQCRFS1
COX8A
TPM3
COX7B
CACNG6
COX6B1
UQCR11
ATP1B3
UQCRHL
UQCRQ
TPM2
FXYD2
COX8C
COX4I2
TPM4
COX6B2
CACNA2D4