

ES

Peak at 5241

Zero crossing at 10828

"clus1"

"NON.clus1"

Gene List Index

Number of genes: 18113 (in list), 69 (in gene set)

ES = 0.428 NES = 1.68 Nom. p-val= 0.0116 FWER= 0.523 FDR= 0.223

Heatmap visualization showing gene expression levels across 40 samples, grouped into two clusters: **clus1** (samples 1-20) and **NON.clus1** (samples 21-40). The y-axis lists 100 genes, grouped into functional categories: PI3K, ARHGAP, MAPK, and others. The color scale ranges from blue (low expression) to red (high expression).

Gene List (Y-axis):

- PIK3CG
- PIK3R1
- PIK3R2
- PIK3CD
- CDK5
- BRCA2
- EGF
- ARHGAP6
- EP2
- MAPK10
- FIGF
- PIK3R3
- RAD51
- QSOX1
- CDKN2A
- RAC2
- PIK3CA
- MAPK8
- RBI
- RALGDS
- AKT3
- TGFB1
- MAP2K1
- MAPK3
- KRAS
- CASP9
- PIK3CB
- IKBK8
- RALBP1
- STAT3
- TGFB2
- RALA
- RAP1
- CDC42
- RAC3
- NFKB1
- CDK4
- IKBK6
- RAC1
- MAPK1
- CHUK
- TGFB3
- AKT1
- PGF
- ERBB2
- RELA
- TGFB2
- BRAF
- MAPK9
- JAK1
- SMAD3
- ARAF
- TESK
- AKT2
- RALB
- SMAD2
- VEGFB
- PIK3R2
- STAT1
- BAD
- SMAD4
- TGF
- PIK3R1
- VEGFA
- EP3
- BCCL1
- EGFR
- CNN1D
- PLD1

Sample Groups (X-axis):

- clus1:** TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_W5_AA2H_01, TCGA_W5_AA2R_01, TCGA_W5_AA2U_01, TCGA_W5_AA2U_01, TCGA_W5_AA2X_01, TCGA_W5_AA30_01, TCGA_W6_AA08_01, TCGA_W6_AA08_01, TCGA_ZU_AA84_01, TCGA_4G_AA20_01, TCGA_4G_AA2T_01, TCGA_W5_AA2G_01, TCGA_W5_AA2I_01, TCGA_W5_AA2I_01, TCGA_W5_AA2O_01, TCGA_W5_AA2Q_01, TCGA_W5_AA2T_01, TCGA_W5_AA2W_01, TCGA_W5_AA2W_01, TCGA_W5_AA2Z_01, TCGA_W5_AA31_01, TCGA_W5_AA33_01, TCGA_W5_AA33_01, TCGA_W5_AA34_01, TCGA_W5_AA36_01, TCGA_W5_AA38_01, TCGA_W5_AA39_01, TCGA_W5_AA39_01, TCGA_WD_A7RX_01, TCGA_YR_AA9A_01, TCGA_ZD_AA83_01, TCGA_ZH_AA81_01, TCGA_ZH_AA82_01, TCGA_ZH_AA84_01, TCGA_ZH_AA84_01, TCGA_ZH_AA85_01, TCGA_ZH_AA85_01, TCGA_ZH_AA86_01, TCGA_ZH_AA86_01, TCGA_ZH_AA88_01.
- NON.clus1:** TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_3X_AA9V_01, TCGA_W5_AA2H_01, TCGA_W5_AA2R_01, TCGA_W5_AA2U_01, TCGA_W5_AA2U_01, TCGA_W5_AA2X_01, TCGA_W5_AA30_01, TCGA_W6_AA08_01, TCGA_W6_AA08_01, TCGA_ZU_AA84_01, TCGA_4G_AA20_01, TCGA_4G_AA2T_01, TCGA_W5_AA2G_01, TCGA_W5_AA2I_01, TCGA_W5_AA2I_01, TCGA_W5_AA2O_01, TCGA_W5_AA2Q_01, TCGA_W5_AA2T_01, TCGA_W5_AA2W_01, TCGA_W5_AA2W_01, TCGA_W5_AA2Z_01, TCGA_W5_AA31_01, TCGA_W5_AA33_01, TCGA_W5_AA33_01, TCGA_W5_AA34_01, TCGA_W5_AA36_01, TCGA_W5_AA38_01, TCGA_W5_AA39_01, TCGA_W5_AA39_01, TCGA_WD_A7RX_01, TCGA_YR_AA9A_01, TCGA_ZD_AA83_01, TCGA_ZH_AA81_01, TCGA_ZH_AA82_01, TCGA_ZH_AA84_01, TCGA_ZH_AA84_01, TCGA_ZH_AA85_01, TCGA_ZH_AA85_01, TCGA_ZH_AA86_01, TCGA_ZH_AA86_01, TCGA_ZH_AA88_01.