

Figure 1: A multi-panel plot showing gene expression data for the "NON.clus4" gene set. The x-axis represents the Gene List Index (0 to 17976), and the y-axis represents log2(RPKM) (0 to 50). The top panel shows a red line graph of log2(RPKM) vs. Gene List Index, peaking at 2653 and crossing zero at 9208. The middle panel shows a barcode of vertical lines representing gene expression. The bottom panel shows a green area graph of log2(RPKM) vs. Gene List Index, showing a sharp drop at the start and a gradual decline. The plot is titled "Number of genes: 17976 (in list), 89 (in gene set)".

ES = 0.505 NES = 1.77 Nom. p-val= 0 FWER= 0.619 FDR= 0.133

Heatmap visualization showing gene expression patterns across two clusters: **clus4** and **NON.clus4**. The y-axis lists 100 genes, and the x-axis represents individual samples. The color scale ranges from blue (low expression) to red (high expression).

Gene List (Y-axis):

- CHCH4
- PDGfra
- PDGFC
- CREB1.1
- FGFR2
- IGF1
- CREB1.3
- EGFR
- LEP1
- KOY1
- MXC1-1
- PKCFO
- SRD5A2
- EGF
- CASP9
- ILK1
- PIK3CD
- AR
- NFKB1A
- CONE1
- PIK3CG
- PIK3CA
- ILK3
- TCF11.1
- IGF1
- PIK3CB
- IGF1.1
- RAF1
- WDR5
- AKT2
- ENK2
- ARAF
- GSTP1
- CTNBB1
- CREB3
- NFKB1
- ATF4
- PIK3G
- CREB1.2
- HSP90B1
- DAO
- CDK2
- TRK3
- EGF3
- PDGFR
- MDM2
- MAP2K2
- RELA
- NR
- CDKN1A
- NRAS
- MTOR
- GRB2
- HSP90A
- CSK1B
- CSK1A
- EPH1
- CREB1.4
- RB1
- MAPK1
- PIK3R1
- HIF1A
- PTEN
- PIK3R2
- MAPK3
- IGF1B
- HSP90AB1
- NRAS
- CREB
- NRXN
- PIK3R3
- PDGFR
- CREB1
- EGFR
- SOS2
- CHUK
- FGFR1
- ICD1
- MAP2K1
- CREBBP
- PDGFB
- BRAT
- PDGFA
- EGF
- AKT3
- IKK2
- CCNE2