

Figure 1 displays a multi-panel plot illustrating the distribution of genes in the "clus2" cluster. The x-axis represents the Gene List Index, ranging from 0 to 15,000.

The top panel shows a red line graph representing the number of genes (y-axis) versus the Gene List Index (x-axis). The line starts at 0, rises sharply to a peak at index 3115, and then gradually declines, crossing the zero line at index 8453. A horizontal dashed line is present at the zero level. Vertical dotted lines mark the peak at 3115 and the zero crossing at 8453.

The middle panel shows a series of vertical black bars of varying heights, representing the distribution of genes across the Gene List Index. The bars are concentrated in the region where the red line is above the zero line, indicating a high density of genes in the "clus2" cluster.

The bottom panel shows a green area plot representing the distribution of genes in the "clus2" cluster. The area is shaded green, and the x-axis is labeled "clus2" on the left and "NON.clus2" on the right. The distribution is skewed towards the right, with a peak around index 8453.

Gene List Index

Number of genes: 17824 (in list), 53 (in gene set)

ES = 0.38 NES = 1.42 Nom. p-val= 0.099 FWER= 0.931 FDR= 1

Heatmap showing gene expression profiles across 100 samples, grouped into two clusters: **clus2** and **NON.clus2**. The y-axis lists 50 genes, and the x-axis lists 100 samples. The color scale ranges from -2 (blue) to 2 (red).

**Gene List (Y-axis):**

- Class
- RXRG
- PRKG
- PIK3CG
- CDKN2A
- PIK3R5
- EGFR
- RASSF5
- EGF
- AKT1
- MAP2K1
- ERBB2
- AKT3
- RASSF1
- PDPK1
- BAD
- HRAS
- RARB
- TP53
- MAPK3
- KRAS
- NRAS
- PLCG2
- PLCG1
- MAPK1
- ARAF
- SOS2
- CCND1
- TGFA
- MAP2K2
- STK4
- AKT2
- PIK3CD
- FOXO3
- PIK3R3
- CDK4
- PIK3R2
- GRB2
- PRKCB
- SOS1
- RAF1
- CASP9
- E2F3
- CDK6
- RXRB
- PRKCA
- PIK3R1
- RXRA
- PIK3CB
- BRAF
- PIK3CA
- RB1
- FHIT
- E2F2

**Sample List (X-axis):**

- TGCA\_KL\_3325\_01
- TGCA\_KL\_3330\_01
- TGCA\_KL\_3332\_01
- TGCA\_KL\_3333\_01
- TGCA\_KL\_3334\_01
- TGCA\_KL\_3335\_01
- TGCA\_KL\_3336\_01
- TGCA\_KL\_3337\_01
- TGCA\_KL\_3338\_01
- TGCA\_KL\_3339\_01
- TGCA\_KL\_3340\_01
- TGCA\_KL\_3341\_01
- TGCA\_KL\_3342\_01
- TGCA\_KL\_3343\_01
- TGCA\_KL\_3344\_01
- TGCA\_KL\_3345\_01
- TGCA\_KL\_3346\_01
- TGCA\_KL\_3347\_01
- TGCA\_KL\_3348\_01
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