

Figure 1 displays a multi-panel plot showing the relationship between the Gene List Index (0 to 17,824) and various metrics. The x-axis is labeled "Gene List Index" and has major ticks at 0, 5000, 10000, and 15000. The y-axis is labeled "Number of genes: 17824 (in list), 31 (in gene set)".

The top panel shows a red line representing a metric that peaks at 5602 and crosses zero at 9125. The middle panel shows a green area representing a metric that is high at the beginning and low at the end. The bottom panel shows a black line representing a metric that is high at the beginning and low at the end.

Key features labeled in the plot include:

- Peak at 5602
- Zero crossing at 9125
- "clus4" (at the bottom left)
- "NON.clus4" (at the bottom right)

ES = 0.53 NES = 1.59 Nom. p-val= 0.035 FWER= 0.683 FDR= 1

Heatmap showing the expression of 25 genes across 48 samples, categorized into **clus4** and **NON.clus4** groups. The color scale ranges from -2 (blue) to 2 (red).

**Genes (Rows):**

- Class
- PDGFRA
- PDGFA
- PRKCB
- PIK3R1
- STAT4
- PIK3CG
- STAT3
- MAP2K4
- PRKCA
- STAT1
- STAT5A
- SHC1
- JAK1
- FOS
- SFR
- PIK3CA
- SOS1
- GRB2
- RASA1
- STAT5B
- MAPK8
- PLCG1
- STAT2
- MAPK3
- CSNK2A1
- JUN
- MAP3K1
- MAP2K1
- ELK1
- RAF1
- STAT6

**Samples (Columns):**

- TCGA\_KL\_1333\_01
- TCGA\_KL\_1334\_01
- TCGA\_KL\_1335\_01
- TCGA\_KM\_1477\_01
- TCGA\_KM\_1478\_01
- TCGA\_KM\_1479\_01
- TCGA\_KN\_1487\_01
- TCGA\_KN\_1488\_01
- TCGA\_KL\_1324\_01
- TCGA\_KL\_1325\_01
- TCGA\_KL\_1326\_01
- TCGA\_KL\_1327\_01
- TCGA\_KL\_1328\_01
- TCGA\_KL\_1329\_01
- TCGA\_KL\_1330\_01
- TCGA\_KL\_1331\_01
- TCGA\_KL\_1332\_01
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- TCGA\_KL\_1337\_01
- TCGA\_KL\_1338\_01
- TCGA\_KL\_1339\_01
- TCGA\_KL\_1340\_01
- TCGA\_KL\_1341\_01
- TCGA\_KL\_1342\_01
- TCGA\_KM\_1483\_01
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- TCGA\_KN\_1511\_01
- TCGA\_KN\_1512\_01
- TCGA\_KN\_1513\_01
- TCGA\_KN\_1514\_01
- TCGA\_KN\_1515\_01
- TCGA\_KN\_1516\_01
- TCGA\_KN\_1517\_01