

Figure 1: A plot showing the number of genes in the "clus3" cluster as a function of the Gene List Index. The x-axis is "Gene List Index" (0 to 17824) and the y-axis is "Number of genes" (0 to 17824). A blue line represents the cluster membership, which starts at 17824, decreases to a minimum of 37 at index 16627, and then increases back to 17824. A green shaded area at the bottom represents the "clus3" cluster, which is mostly empty except for a small region at the end. A red vertical line marks the "Zero crossing at 8765" and a blue vertical line marks the "Peak at 16627".

ES = -0.557 NES = -1.53 Nom. p-val= 0.0692 FWER= 0.821 FDR= 0.298

Heatmap showing gene expression levels across two clusters: **clus3** and **NON.clus3**. The y-axis lists 40 genes, and the x-axis lists 40 samples. The color scale ranges from -2 (blue) to 2 (red).

Genes (Y-axis):

- Class
- MAP3K1
- CALM3
- ELK1
- NFATC4
- PPP3CC
- MAP2K1
- PPP3CB
- CALM2
- CALM1
- RAF1
- MAPK8
- PIK3R1
- MAP2K7
- MAPK1
- GRB2
- MAPK3
- SOS1
- PPP3CA
- NFATC1
- PAK2
- PLC01
- MAP2K4
- SHC1
- PIK3CA
- NFATC2
- NFATC3
- FOS
- BTK
- JUN
- SYK
- PRKCB
- PLA2G4A
- LYN
- FCER1G
- PIK3CG
- VAV1
- FCER1A

Samples (X-axis):

- TGGA.AL.5236.01
- TGGA.AL.5237.01
- TGGA.AL.5238.01
- TGGA.AL.5239.01
- TGGA.AL.5240.01
- TGGA.AL.5241.01
- TGGA.AL.5242.01
- TGGA.AL.5243.01
- TGGA.AL.5244.01
- TGGA.AL.5245.01
- TGGA.AL.5246.01
- TGGA.AL.5247.01
- TGGA.AL.5248.01
- TGGA.AL.5249.01
- TGGA.AL.5250.01
- TGGA.AL.5251.01
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- TGGA.AL.5253.01
- TGGA.AL.5254.01
- TGGA.AL.5255.01
- TGGA.AL.5256.01
- TGGA.AL.5257.01
- TGGA.AL.5258.01
- TGGA.AL.5259.01
- TGGA.AL.5260.01
- TGGA.AL.5261.01
- TGGA.AL.5262.01
- TGGA.AL.5263.01
- TGGA.AL.5264.01
- TGGA.AL.5265.01
- TGGA.AL.5266.01
- TGGA.AL.5267.01
- TGGA.AL.5268.01
- TGGA.AL.5269.01
- TGGA.AL.5270.01
- TGGA.AL.5271.01
- TGGA.AL.5272.01
- TGGA.AL.5273.01
- TGGA.AL.5274.01
- TGGA.AL.5275.01
- TGGA.AL.5276.01
- TGGA.AL.5277.01
- TGGA.AL.5278.01
- TGGA.AL.5279.01
- TGGA.AL.5280.01
- TGGA.AL.5281.01
- TGGA.AL.5282.01
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- TGGA.AL.5297.01
- TGGA.AL.5298.01
- TGGA.AL.5299.01
- TGGA.AL.5300.01
- TGGA.AL.5301.01
- TGGA.AL.5302.01
- TGGA.AL.5303.01
- TGGA.AL.5304.01
- TGGA.AL.5305.01
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- TGGA.AL.5444.01
- TGGA.AL.5445.01
- TGGA.AL.5446