

Figure 1: A plot showing the distribution of genes in the 'clus2' cluster. 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 cumulative distribution function (CDF) of genes in the 'clus2' cluster. A green shaded area represents the distribution of genes in the 'NON.clus2' cluster. A vertical green dashed line marks the 'Zero crossing at 8805' and a vertical blue dotted line marks the 'Peak at 13428'. The plot shows that the 'clus2' cluster contains a significant number of genes, particularly those with high expression levels (low index).

A density plot showing the probability density function (PDF) of ES values. The x-axis is labeled 'ES' and ranges from approximately -0.8 to 0.8, with major ticks at -0.5, 0.0, and 0.5. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 3.0, with major ticks every 0.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately ES = -0.25 (P ≈ 2.1) and ES = 0.35 (P ≈ 1.5). A vertical black line at ES = -0.541 represents the 'Observed Gene Set ES value'. The area under the red curve to the left of this line is shaded in light blue. Text labels 'Neg. ES "NON.clus2"' and 'Pos. ES: "clus2"' are placed below the x-axis on the left and right sides, respectively. At the bottom of the plot, the following text is displayed: 'ES = -0.541 NES = -1.6 Nom. p-val= 0.0415 FWER= 0.91 FDR= 1'.

Heatmap visualization showing gene expression levels across various conditions. The y-axis lists genes, and the x-axis is divided into two main clusters: **clus2** (red header) and **NON.clus2** (blue header). The heatmap cells are colored from blue (low expression) to red (high expression).

Genes (Y-axis):

- Class
- DYNLT1
- DCX
- PAFAH1B3
- PAFAH1B2
- PLA2G7
- CDC42
- DYNC1H1
- RAC1
- CSNK2A1
- IQGAP1
- CDK5
- ABL1
- LRPAP1
- PPP2R5D
- NDEL1
- CDK5R1
- CLIP1
- NUDC
- PAFAH1B1
- KATNA1
- YWHAE
- RHOA
- DAB1
- CDK5R2
- MAP1B
- RELN
- VLDLR
- LRP8

Conditions (X-axis):

- clus2 (Red header)
- NON.clus2 (Blue header)

The heatmap displays expression levels for 28 genes across 48 conditions. The color scale ranges from blue (low expression) to red (high expression). The 'clus2' cluster shows higher expression for genes like DYNLT1, DCX, and PAFAH1B3, while the 'NON.clus2' cluster shows higher expression for genes like PLA2G7, CDC42, and DYNC1H1.