

Figure 1 displays the distribution of genes in the "clus1" cluster. The x-axis represents the Gene List Index (0 to 18,169) and the y-axis represents the number of genes (0 to 18,169). The top panel shows the number of genes in the cluster (red line) versus the gene list index. The curve starts at 0, rises to a peak of 18,169 at index 6,470, and then decreases, crossing zero at index 8,081. The middle panel shows the number of genes in the cluster at each index (barcode plot). The bottom panel shows the number of genes in the cluster at each index (area plot), with the area under the curve labeled "clus1" and the area above the curve labeled "NON.clus1".

ES = 0.564 NES = 2.01 Nom. p-val = 0.00412 FWER = 0.166 FDR = 0.274

Heatmap visualization showing gene expression profiles across two clusters: **clus1** and **NON.clus1**. The y-axis lists 50 genes, and the x-axis represents individual samples. The color scale ranges from blue (low expression) to red (high expression). The heatmap is divided into two main vertical sections: **clus1** (red header) and **NON.clus1** (blue header).

Gene List (Y-axis):

- Class
- PSMB9
- PSMB10
- UNC5B
- PSMB8
- PSMA8
- DAPK2
- PSME2
- PSMC1
- PSMB6
- PSMD13
- PSMB7
- PSMB3
- PSMA6
- PSMA7
- PSME1
- PSMA5
- PSMA2
- PSMB2
- PSMD14
- CASP9
- PSMA1
- PSMC4
- UBA52
- PSMC2
- PSMA3
- DAPK1
- PSMB1
- CASP3
- PSMD7
- PSMC3
- PSMC5
- PSMA4
- PSMD9
- PSMD8
- PSMD12
- PAK2
- PSMD3
- PSMD4
- PSMB5
- PSMB4
- RPS27A
- PSMD2
- UNC5A
- PSMD11
- PSMD1
- MAGED1
- PSMD5
- PSMF1
- PSMD6
- PSMC6
- ARHGAP10
- DAPK3
- PSME4
- PSMD10
- APPL1
- DCC