

Figure 1: A plot showing the distribution of genes in the "clus3" cluster. The x-axis is "Gene List Index" (0 to 18525) and the y-axis is "Number of genes" (0 to 105). A blue line shows the cumulative distribution, which is zero until index 9189, then rises to a peak at index 14575, and then falls back to zero. A green shaded area represents the distribution of genes in the "clus3" cluster, which is zero until index 9189, then rises to a peak at index 14575, and then falls back to zero. A red dashed line marks the "Zero crossing at 9189" and a blue dotted line marks the "Peak at 14575".

A density plot showing the probability density function (PDF) of ES values. The x-axis is labeled 'ES' and ranges from -0.6 to 0.6. The y-axis is labeled 'P(ES)' and ranges from 0 to 4. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.25 and 0.25. A vertical black line represents the 'Observed Gene Set ES value' at ES = -0.279. The area under the red curve to the left of this line is shaded in light blue. Text labels on the x-axis indicate 'Neg. ES "NON.clus3"' for the negative region and 'Pos. ES: "clus3"' for the positive region. At the bottom, a summary line provides the following values: ES = -0.279, NES = -1.12, Nom. p-val= 0.303, FWER= 0.999, FDR= 1.

Heatmap visualization showing the expression of 100 genes across 100 samples. The samples are clustered into two groups: **clus3** (left) and **NON.clus3** (right). The color scale ranges from -2 (blue) to 2 (red).

The genes listed on the y-axis are:

- CHST1
- ANAPC1
- STAG1
- ABO1
- ABO2
- REC1
- PP2R1A
- PP2R1B
- PP2R1C
- PP2R1D
- PP2R1E
- PP2R1F
- PP2R1G
- PP2R1H
- PP2R1I
- PP2R1J
- PP2R1K
- PP2R1L
- PP2R1M
- PP2R1N
- PP2R1O
- PP2R1P
- PP2R1Q
- PP2R1R
- PP2R1S
- PP2R1T
- PP2R1U
- PP2R1V
- PP2R1W
- PP2R1X
- PP2R1Y
- PP2R1Z
- PP2R2A
- PP2R2B
- PP2R2C
- PP2R2D
- PP2R2E
- PP2R2F
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- PP2R2Y
- PP2R2Z
- PP2R3A
- PP2R3B
- PP2R3C
- PP2R3D
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- PP2R4Z
- PP2R5A
- PP2R5B
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