

Figure 1: A plot showing the number of genes in the "clus5" cluster as a function of the Gene List Index. The x-axis is labeled "Gene List Index" and ranges from 0 to 18,315. The y-axis is labeled "Number of genes" and ranges from 0 to 18,315. A blue line represents the cumulative number of genes in the "clus5" cluster. A green vertical line marks the "Zero crossing at 8992". A red vertical line marks the "Peak at 16813". A green shaded area represents the "clus5" cluster, and a red shaded area represents the "NON.clus5" cluster. The plot shows that the "clus5" cluster is the majority of genes in the list, with a sharp increase in the number of genes in the "clus5" cluster after the peak at 16813.

Heatmap visualization showing gene expression profiles for two clusters: **clus5** (red) and **NON.clus5** (blue). The y-axis lists 100 genes, and the x-axis represents 100 samples. The heatmap is divided into two main color-coded regions: a red region on the left (clus5) and a blue region on the right (NON.clus5).

Genes listed on the y-axis (from top to bottom):

- C1orf4
- PPP2R5A
- PPP2R1B
- PPP2R3
- SSD2
- NUDC
- MSI2
- NSL1
- PMF1
- CENPF
- RANGAP1
- CENPL
- SEC13
- PPP2R0B
- RAD21
- BUB3
- AUCTF1
- MAO1L1
- MAPRE1
- SKA2
- NUP133
- AUTL1
- NUP133
- CENPC1
- PPP2R1A
- PPP1CC
- PPP2R1A
- NUP37
- PPP2CA
- SEH1L
- CEMPN
- NUP85
- ETAG
- RANBP2
- XPO1
- PAFAH1B1
- SMC1
- ITGB3BP
- KC12
- CKAP5
- CDC20
- ZW10
- CDC20
- CLIP1
- NUP107
- SMC1A
- CENPP
- RPS27
- PPP2R0A
- NDEL1
- STAG1
- KIF2A
- CLASP1
- PPP2R5E
- DMN1
- CENPL
- CENPE
- MLF1P
- INCENP
- KNTC1
- CENPO
- ZWILCH
- MAO2L1
- SGOL2
- CENPW
- TADK1
- PLAT
- ZWINT
- NUP2
- BIRC5
- LOC100287
- SPOC2
- NUP2
- NUP2
- CENPK
- NUPA
- CENPA
- SKA1
- NDC80
- ERC2OL
- BUB1B
- SKA1
- CASC2
- SPOC2
- BUB1
- CENPW