

Figure 1 displays a multi-panel plot showing gene expression data across a Gene List Index (0 to 19,051).

The top panel shows a blue line representing normalized expression (y-axis, ranging from -0.4 to 0.2). The line starts near 0, decreases steadily, crosses the zero line at approximately index 9002 (labeled "Zero crossing at 9002"), reaches a minimum around index 13,890 (labeled "Peak at 13890"), and then increases back towards 0. A green dashed vertical line marks the zero crossing, and a blue dotted vertical line marks the peak.

The middle panel is a barcode plot showing the presence of genes (black vertical lines) across the Gene List Index. The density of lines is highest in the early part of the index and decreases towards the end.

The bottom panel shows a green area plot representing the proportion of genes in "clus2" (y-axis, ranging from -1.0 to -0.6). The area is labeled "clus2" and "NON.clus2". The proportion of genes in "clus2" is highest at the beginning (around -0.6) and decreases towards the end (approaching -1.0).

Gene List Index: 0, 5000, 10000, 15000

Number of genes: 19051 (in list), 107 (in gene set)

Gene Set Null Density

Observed Gene Set ES value

$P(ES)$

Neg. ES "NON.clus2"

Pos. ES: "clus2"

ES

ES = -0.362 NES = -1.04 Nom. p-val= 0.454 FWER= 0.999 FDR= 1

[illegible]