

Figure 1 displays a multi-panel plot illustrating gene expression data and gene set analysis. The x-axis for all panels is the Gene List Index, ranging from 0 to 18,192.

The top panel shows the log<sub>2</sub>(RPKM) expression level (blue line) across the gene list. A dashed horizontal line indicates a threshold at 1.5. A green vertical line marks the "Zero crossing at 9671", and a blue vertical line marks the "Peak at 15598".

The middle panel shows a barcode representation of gene sets, with vertical lines indicating the presence of genes in a specific set.

The bottom panel shows the probability of a gene being in the "clus3" gene set (green area plot). The plot shows a sharp peak at index 0 and a smaller peak at index 15598, labeled "NON.clus3".

Number of genes: 18192 (in list), 83 (in gene set)

ES = -0.362 NES = -1.3 Nom. p-val= 0.139 FWER= 0.995 FDR= 0.601

Class	Gene	Expression Profile
COL4A4	COL4A4	High
	LAMB1	High
	AKT3	High
	COL4A1	High
	COL4A2	High
	COL4A3	High
	ITGA2	High
	ITGA3	High
	ITGA5	High
	ITGA6	High
PIK3C	PIK3C	High
	PIK3R1	High
	PIK3R2	High
	PIK3R3	High
	PIK3R4	High
	PIK3R5	High
	PIK3R6	High
	PIK3R7	High
	PIK3R8	High
	PIK3R9	High
PIK3D	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
	PIK3H	High
	PIK3I	High
	PIK3J	High
	PIK3K	High
	PIK3L	High
	PIK3M	High
PIK3N	PIK3N	High
	PIK3O	High
	PIK3P	High
	PIK3Q	High
	PIK3R	High
	PIK3S	High
	PIK3T	High
	PIK3U	High
	PIK3V	High
	PIK3W	High
PIK3X	PIK3X	High
	PIK3Y	High
	PIK3Z	High
	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
PIK3H	PIK3H	High
	PIK3I	High
	PIK3J	High
	PIK3K	High
	PIK3L	High
	PIK3M	High
	PIK3N	High
	PIK3O	High
	PIK3P	High
	PIK3Q	High
PIK3R	PIK3R	High
	PIK3S	High
	PIK3T	High
	PIK3U	High
	PIK3V	High
	PIK3W	High
	PIK3X	High
	PIK3Y	High
	PIK3Z	High
	PIK3A	High
PIK3B	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
	PIK3H	High
	PIK3I	High
	PIK3J	High
	PIK3K	High
PIK3A	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
	PIK3H	High
	PIK3I	High
	PIK3J	High
PIK3K	PIK3K	High
	PIK3L	High
	PIK3M	High
	PIK3N	High
	PIK3O	High
	PIK3P	High
	PIK3Q	High
	PIK3R	High
	PIK3S	High
	PIK3T	High
PIK3U	PIK3U	High
	PIK3V	High
	PIK3W	High
	PIK3X	High
	PIK3Y	High
	PIK3Z	High
	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
PIK3V	PIK3V	High
	PIK3W	High
	PIK3X	High
	PIK3Y	High
	PIK3Z	High
	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
PIK3W	PIK3W	High
	PIK3X	High
	PIK3Y	High
	PIK3Z	High
	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
PIK3X	PIK3X	High
	PIK3Y	High
	PIK3Z	High
	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
PIK3Y	PIK3Y	High
	PIK3Z	High
	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
	PIK3H	High
PIK3Z	PIK3Z	High
	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
	PIK3H	High
	PIK3I	High
PIK3A	PIK3A	High
	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
	PIK3H	High
	PIK3I	High
	PIK3J	High
PIK3B	PIK3B	High
	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
	PIK3H	High
	PIK3I	High
	PIK3J	High
	PIK3K	High
PIK3C	PIK3C	High
	PIK3D	High
	PIK3E	High
	PIK3F	High
	PIK3G	High
	PIK3H	High
	PIK3I	High
	PIK3J	High
	PIK3K	High
	PIK3L	High