

Figure 1: A plot showing the number of genes in the "clus1" cluster as a function of the Gene List Index. The x-axis is labeled "Gene List Index" and ranges from 0 to 17,824. The y-axis represents the number of genes. A blue line shows the cumulative count of genes in the "clus1" cluster, which starts at 17,824 and decreases to a minimum of 32 at index 11,631, then increases back to 17,824. A green shaded area at the bottom represents the number of genes not in the "clus1" cluster. Vertical dashed lines indicate the "Zero crossing at 8790" (green) and the "Peak at 11631" (blue).

A density plot showing the distribution of ES values for two gene sets. The x-axis is labeled 'ES' and ranges from -0.6 to 0.6. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 2.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks around -0.35 and 0.35. A vertical black line at ES = -0.459 represents the 'Observed Gene Set ES value'. The area to the left of this line is labeled 'Neg. ES "NON.clus1"' and the area to the right is labeled 'Pos. ES: "clus1"'. Below the x-axis, the following text is displayed: ES = -0.459 NES = -1.41 Nom. p-val= 0.11 FWER= 0.996 FDR= 1.

	clus1										NON.clus1									
Class	red										blue									
PIK3CA	red										blue									
RAF1	red										blue									
RASA1	red										blue									
FOS	red										blue									
CSNK2A1	red										blue									
STAT6	red										blue									
STAT2	red										blue									
MAP3K1	red										blue									
ELK1	red										blue									
PLCG1	red										blue									
JAK1	red										blue									
MAPK3	red										blue									
STAT1	red										blue									
SOS1	red										blue									
SHC1	red										blue									
MAP2K4	red										blue									
STAT5A	red										blue									
PIK3CG	red										blue									
HRAS	red										blue									
GRB2	red										blue									
STAT5B	red										blue									
STAT3	red										blue									
MAPK8	red										blue									
PDGFA	red										blue									
PRKCB	red										blue									
SRF	red										blue									
MAP2K1	red										blue									
STAT4	red										blue									
PRKCA	red										blue									
PDGFRA	red										blue									
JUN	red										blue									
PIK3R1	red										blue									