

Figure 1 consists of three vertically stacked panels sharing a common x-axis labeled "Gene List Index" ranging from 0 to 15,000. The top panel shows a red line graph representing the number of genes in the set (y-axis, 0 to 100). The line starts at 0, rises to a peak of approximately 100 at index 4510, and then gradually declines, crossing the zero line at index 10223. A horizontal dashed line is drawn at y=0. The middle panel shows a barcode of vertical black lines of varying heights, representing the distribution of gene lists. The bottom panel shows a green area plot representing the distribution of gene lists. The area is shaded green and has a peak at index 4510. The area is labeled "clus3" on the left and "NON.clus3" on the right. The x-axis is labeled "Gene List Index" and "Number of genes: 17996 (in list), 92 (in gene set)".

ES = 0.462 NES = 1.65 Nom. p-val= 0.00967 FWER= 0.627 FDR= 0.0681

clus3 **NON.clus3**

Gene list (from top to bottom):

- Clus3
- PLAZG20
- PLAZG2D
- PRKCB
- CAMK2A
- MAPK9
- ITPR1
- ADCY5
- MAPK11
- MMP2
- ADCY1
- CACNA1C
- MMP14
- ADCY4
- MAPK3
- MAPK3D
- PLCB1
- MAPK13
- ITPR2
- ADCY7
- GNHRH
- MAPK2
- MAPK31
- ADCY9
- PLAZG1
- EGFR
- KIF11
- SOX21
- PLG
- PRKACB
- PRKCA
- MAPK7
- GRB2
- CD4
- MAPK8
- MAPK9
- HR23F
- KRAS
- PRKCA
- GNAG
- MAPK4
- ELK1
- MAPK4A
- MAPK21
- PTEN
- CAMK2D
- KRAS
- MAPK1
- CAMK2G
- PRKX
- JUN
- CALM1
- CALM1
- MAPK1
- GNAS
- ITP1
- ITPR3
- MAPK3
- CACNA1S
- CALM2
- PRKCD
- GNAT1
- PLAZG2F
- PLAZG2A
- GNHRH
- ATF4
- IFC
- CACNA1D
- MAPK9
- ADCY6
- PLCB1
- PLAZG12A
- HRAS
- MAPK2
- MAPK22
- MAPK15
- LHB1
- PLAZG3
- PLAZG6
- PLCB4
- CALML3
- JMJD7-PLAZG8B1
- PLAZG1B
- MAPK26
- PLAZG5B
- PLAZG17
- PLAZG10
- CALM1