

Figure 1: A plot showing the number of genes in the "clus3" cluster as a function of the gene list index. The x-axis is "Gene List Index" (0 to 15000). The y-axis is "Number of genes" (0 to 17824). The blue line represents the number of genes in the "clus3" cluster, which starts at 17824, decreases to a minimum of 28 at index 15091, and then increases back to 17824. The green shaded area represents the number of genes in the "NON.clus3" cluster. A vertical green dashed line marks the "Zero crossing at 8765" and a vertical blue dotted line marks the "Peak at 15091". The plot is labeled "clus3" and "NON.clus3" at the bottom.

ES = -0.498 NES = -1.59 Nom. p-val= 0.0443 FWER= 0.718 FDR= 0.331

| | clus3 | NON.clus3 |
|--------|-------|-----------|
| Class | Red | Blue |
| PRKCA | Red | Blue |
| EIF2B5 | Red | Blue |
| EIF1AX | Red | Blue |
| EIF2S3 | Red | Blue |
| VEGFA | Red | Blue |
| EIF2B3 | Red | Blue |
| EIF2S1 | Red | Blue |
| VHL | Red | Blue |
| PTK2 | Red | Blue |
| EIF | Red | Blue |
| ELAVL1 | Red | Blue |
| PIK3R1 | Red | Blue |
| EIF2B1 | Red | Blue |
| EIF2S2 | Red | Blue |
| EIF2B2 | Red | Blue |
| HIF1A | Red | Blue |
| PXN | Red | Blue |
| EIF2B4 | Red | Blue |
| PLCG1 | Red | Blue |
| ARNT | Red | Blue |
| SHC1 | Red | Blue |
| PIK3CA | Red | Blue |
| FLT1 | Red | Blue |
| FLT4 | Red | Blue |
| KDR | Red | Blue |
| PRKCB | Red | Blue |
| NOS3 | Red | Blue |
| PIK3CG | Red | Blue |