

Figure 1 displays the distribution of genes across clusters. The top panel shows the number of genes per cluster (blue line), with a peak at 14723 and a zero crossing at 7635. The middle panel shows the number of genes in each cluster (vertical bars). The bottom panel shows the distribution of genes across clusters (green area), with labels "clus3" and "NON.clus3".

ES = -0.666 NES = -1.38 Nom. p-val= 0.116 FWER= 0.996 FDR= 1

**clus3** **NON.clus3**

**Class**

IL18  
JUN  
CREBBP  
PIAS2  
PPP3CA  
ETV5  
IL13  
STAT3  
IRF1  
TGFB1  
PPP3R1  
MAPK9  
FOS  
MAPK8  
CD28  
PPP3CB  
HLA-DRB1  
HLA-DRA  
CD3D  
CD80  
CD4  
TBX21  
IFNG  
CD86  
PRF1  
CD247  
CD3E  
IL2RA  
STAT4  
CD3G  
IL18R1  
IL18RAP

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