

Figure 1 displays the distribution of gene lists across clusters. The x-axis represents the Gene List Index (0 to 15000), and the y-axis represents the Number of genes: 18646 (in list), 46 (in gene set).

The top panel shows a red line graph representing the number of gene lists. The line starts at 0, rises to a peak at 6505, and then decreases, crossing the zero line at 10679. A horizontal dashed line is drawn at the peak level.

The middle panel shows vertical bars representing the number of gene lists for each index. The bars are clustered around the peak at 6505 and the zero crossing at 10679.

The bottom panel shows a green area graph representing the number of gene lists. The area is highest at the peak at 6505 and decreases towards the zero crossing at 10679. The area is labeled "clus3" on the left and "NON.clus3" on the right.

A density plot showing the distribution of ES values. The x-axis is labeled 'ES' and ranges from -0.6 to 0.4. The y-axis is labeled 'P(ES)' and ranges from 0 to 4. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.25 and 0.25. A vertical black line represents the 'Observed Gene Set ES value' at approximately 0.33. The area under the red curve to the right of this line is shaded in light blue. Text labels on the x-axis indicate 'Neg. ES "NON.clus3"' for negative values and 'Pos. ES: "clus3"' for positive values. At the bottom, a summary of statistics is provided: ES = 0.33, NES = 1.3, Nom. p-val = 0.153, FWER = 0.977, and FDR = 1.

ES = 0.33 NES = 1.3 Nom. p-val = 0.153 FWER = 0.977 FDR = 1

clus3 **NON.clus3**

Class

DTX1

DTX4

JAG1

MAML3

HES1

HES5

DLL3

RBPJL

KAT2A

RFNG

NOTCH1

HDAC1

MAML2

PSENEN

CTBP2

EP300

MAML1

NUMB

NCOR2

DTX3

CREBBP

CIR1

NOTCH3

ADAM17

NOTCH2

CTBP

PSEN1

DVL1

NOTCH4

PTCRA

APH1A

DVL3

NUMBL

DVL2

PSEN2

SNW1

KAT2B

RBPJ

HDAC2

DTX2

LFNG

JAG2

DLL4

DTX3L

DLL1

TCGA_H5_A02U_01

TCGA_H5_A02V_01

TCGA_H5_A02W_01

TCGA_H5_A02X_01

TCGA_H5_A02Y_01

TCGA_H5_A03_01

TCGA_H5_A03L_01

TCGA_H5_A03M_01

TCGA_H5_A03N_01

TCGA_H5_A03O_01

TCGA_H5_A03P_01

TCGA_H5_A03Q_01

TCGA_H5_A03R_01

TCGA_H5_A03S_01

TCGA_H5_A03T_01

TCGA_H5_A03U_01

TCGA_H5_A03V_01

TCGA_H5_A03W_01

TCGA_H5_A03X_01

TCGA_H5_A03Y_01

TCGA_H5_A04_01

TCGA_H5_A04L_01

TCGA_H5_A04M_01

TCGA_H5_A04N_01

TCGA_H5_A04O_01

TCGA_H5_A04P_01

TCGA_H5_A04Q_01

TCGA_H5_A04R_01

TCGA_H5_A04S_01

TCGA_H5_A04T_01

TCGA_H5_A04U_01

TCGA_H5_A04V_01

TCGA_H5_A04W_01

TCGA_H5_A04X_01

TCGA_H5_A04Y_01

TCGA_H5_A05_01

TCGA_H5_A05L_01

TCGA_H5_A05M_01

TCGA_H5_A05N_01

TCGA_H5_A05O_01

TCGA_H5_A05P_01

TCGA_H5_A05Q_01

TCGA_H5_A05R_01

TCGA_H5_A05S_01

TCGA_H5_A05T_01

TCGA_H5_A05U_01

TCGA_H5_A05V_01

TCGA_H5_A05W_01

TCGA_H5_A05X_01

TCGA_H5_A05Y_01

TCGA_H5_A06_01

TCGA_H5_A06L_01

TCGA_H5_A06M_01

TCGA_H5_A06N_01

TCGA_H5_A06O_01

TCGA_H5_A06P_01

TCGA_H5_A06Q_01

TCGA_H5_A06R_01

TCGA_H5_A06S_01

TCGA_H5_A06T_01

TCGA_H5_A06U_01

TCGA_H5_A06V_01

TCGA_H5_A06W_01

TCGA_H5_A06X_01

TCGA_H5_A06Y_01

TCGA_H5_A07_01

TCGA_H5_A07L_01

TCGA_H5_A07M_01

TCGA_H5_A07N_01

TCGA_H5_A07O_01

TCGA_H5_A07P_01

TCGA_H5_A07Q_01

TCGA_H5_A07R_01

TCGA_H5_A07S_01

TCGA_H5_A07T_01

TCGA_H5_A07U_01

TCGA_H5_A07V_01

TCGA_H5_A07W_01

TCGA_H5_A07X_01

TCGA_H5_A07Y_01

TCGA_H5_A08_01

TCGA_H5_A08L_01

TCGA_H5_A08M_01

TCGA_H5_A08N_01

TCGA_H5_A08O_01

TCGA_H5_A08P_01

TCGA_H5_A08Q_01

TCGA_H5_A08R_01

TCGA_H5_A08S_01

TCGA_H5_A08T_01

TCGA_H5_A08U_01

TCGA_H5_A08V_01

TCGA_H5_A08W_01

TCGA_H5_A08X_01

TCGA_H5_A08Y_01

TCGA_H5_A09_01

TCGA_H5_A09L_01

TCGA_H5_A09M_01

TCGA_H5_A09N_01

TCGA_H5_A09O_01

TCGA_H5_A09P_01

TCGA_H5_A09Q_01

TCGA_H5_A09R_01

TCGA_H5_A09S_01

TCGA_H5_A09T_01

TCGA_H5_A09U_01

TCGA_H5_A09V_01

TCGA_H5_A09W_01

TCGA_H5_A09X_01

TCGA_H5_A09Y_01

TCGA_H5_A10_01

TCGA_H5_A10L_01

TCGA_H5_A10M_01

TCGA_H5_A10N_01

TCGA_H5_A10O_01

TCGA_H5_A10P_01

TCGA_H5_A10Q_01

TCGA_H5_A10R_01

TCGA_H5_A10S_01

TCGA_H5_A10T_01

TCGA_H5_A10U_01

TCGA_H5_A10V_01

TCGA_H5_A10W_01

TCGA_H5_A10X_01

TCGA_H5_A10Y_01

TCGA_H5_A11_01

TCGA_H5_A11L_01

TCGA_H5_A11M_01

TCGA_H5_A11N_01

TCGA_H5_A11O_01

TCGA_H5_A11P_01

TCGA_H5_A11Q_01

TCGA_H5_A11R_01

TCGA_H5_A11S_01

TCGA_H5_A11T_01

TCGA_H5_A11U_01

TCGA_H5_A11V_01

TCGA_H5_A11W_01

TCGA_H5_A11X_01

TCGA_H5_A11Y_01

TCGA_H5_A12_01

TCGA_H5_A12L_01

TCGA_H5_A12M_01

TCGA_H5_A12N_01

TCGA_H5_A12O_01

TCGA_H5_A12P_01

TCGA_H5_A12Q_01

TCGA_H5_A12R_01

TCGA_H5_A12S_01

TCGA_H5_A12T_01

TCGA_H5_A12U_01

TCGA_H5_A12V_01

TCGA_H5_A12W_01

TCGA_H5_A12X_01

TCGA_H5_A12Y_01

TCGA_H5_A13_01

TCGA_H5_A13L_01

TCGA_H5_A13M_01

TCGA_H5_A13N_01

TCGA_H5_A13O_01

TCGA_H5_A13P_01

TCGA_H5_A13Q_01

TCGA_H5_A13R_01

TCGA_H5_A13S_01

TCGA_H5_A13T_01

TCGA_H5_A13U_01

TCGA_H5_A13V_01

TCGA_H5_A13W_01

TCGA_H5_A13X_01

TCGA_H5_A13Y_01

TCGA_H5_A14_01

TCGA_H5_A14L_01

TCGA_H5_A14M_01

TCGA_H5_A14N_01

TCGA_H5_A14O_01

TCGA_H5_A14P_01

TCGA_H5_A14Q_01

TCGA_H5_A14R_01

TCGA_H5_A14S_01

TCGA_H5_A14T_01

TCGA_H5_A14U_01

TCGA_H5_A14V_01

TCGA_H5_A14W_01

TCGA_H5_A14X_01

TCGA_H5_A14Y_01

TCGA_H5_A15_01

TCGA_H5_A15L_01

TCGA_H5_A15M_01

TCGA_H5_A15N_01

TCGA_H5_A15O_01

TCGA_H5_A15P_01

TCGA_H5_A15Q_01

TCGA_H5_A15R_01

TCGA_H5_A15S_01

TCGA_H5_A15T_01

TCGA_H5_A15U_01

TCGA_H5_A15V_01

TCGA_H5_A15W_01

TCGA_H5_A15X_01

TCGA_H5_A15Y_01

TCGA_H5_A16_01

TCGA_H5_A16L_01

TCGA_H5_A16M_01

TCGA_H5_A16N_01

TCGA_H5_A16O_01

TCGA_H5_A16P_01

TCGA_H5_A16Q_01

TCGA_H5_A16R_01

TCGA_H5_A16S_01

TCGA_H5_A16T_01

TCGA_H5_A16U_01

TCGA_H5_A16V_01

TCGA_H5_A16W_01

TCGA_H5_A16X_01

TCGA_H5_A16Y_01

TCGA_H5_A17_01

TCGA_H5_A17L_01

TCGA_H5_A17M_01

TCGA_H5_A17N_01

TCGA_H5_A17O_01

TCGA_H5_A17P_01

TCGA_H5_A17Q_01

TCGA_H5_A17R_01

TCGA_H5_A17S_01

TCGA_H5_A17T_01

TCGA_H5_A17U_01

TCGA_H5_A17V_01

TCGA_H5_A17W_01

TCGA_H5_A17X_01

TCGA_H5_A17Y_01

TCGA_H5_A18_01

TCGA_H5