

Figure 1 displays a multi-panel plot showing gene set analysis results. The x-axis represents the Gene List Index, ranging from 0 to 18113 (total number of genes in the list) and 53 (number of genes in the gene set). The y-axis represents the number of genes in the gene set.

The top panel shows a blue line graph representing the Gene List Index. The line starts at a high value, decreases to a minimum at index 14205 (labeled "Peak at 14205"), and then increases. A vertical green dashed line marks the "Zero crossing at 7260".

The middle panel shows vertical black bars representing gene sets. The bars are distributed across the Gene List Index, with a higher density of bars in the region between 7260 and 14205.

The bottom panel shows a green area plot representing the distribution of gene sets. The area is labeled "clus2" on the left and "NON.clus2" on the right, indicating different clusters or groups of genes.

A density plot showing the probability density function (PDF) of ES values. The x-axis is labeled 'ES' and ranges from -1.0 to 1.0. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 3.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.3 and 0.4. A vertical black line at ES = -0.512 represents the 'Observed Gene Set ES value'. The area under the red curve to the left of this line is shaded in light blue. Text labels on the x-axis indicate 'Neg. ES "NON.clus2"' for the left tail and 'Pos. ES: "clus2"' for the right tail. Below the x-axis, the following statistics are provided: ES = -0.512, NES = -1.35, Nom. p-val = 0.0801, FWER = 0.978, and FDR = 0.22.

	clus2										NON.clus2									
Class																				
SMO																				
IHH																				
ZIC2																				
WNT2B																				
PTCH1																				
WNT3																				
STK36																				
PRKX																				
WNT7B																				
BMP2																				
CSNK1G1																				
CSNK1E																				
PRKACA																				
SUFU																				
BMP8B																				
FBXW1																				
BMP6																				
CSNK1D																				
CSNK1G2																				
CSNK1A1																				
GSK3B																				
CSNK1G3																				
CSNK1A1L																				
BMP8A																				
BTRC																				
WNT5B																				
GLI1																				
WNT9A																				
WNT6																				
BMP4																				
PTCH2																				
WNT10A																				
RAB23																				
LRP2																				
SHH																				
WNT5B																				
WNT5A																				
BMP7																				
PRKACB																				
WNT2																				
WNT4																				
WNT7A																				
GLI3																				
GLI2																				
WNT9B																				
WNT16																				
WNT1																				
WNT10B																				
HHIP																				
WNT11																				
DHH																				
BMP5																				
GAS1																				
TCGA_4G_AA20_01																				
TCGA_4G_AA21_01																				
TCGA_W5_AA2L_01																				
TCGA_W5_AA2Q_01																				
TCGA_W5_AA2T_01																				
TCGA_W5_AA2W_01																				
TCGA_W5_AA2Z_01																				
TCGA_W5_AA34_01																				
TCGA_W5_AA36_01																				
TCGA_W5_AA38_01																				
TCGA_ZD_A8I3_01																				
TCGA_ZH_A8Y1_01																				
TCGA_ZH_A8Y2_01																				
TCGA_ZH_A8Y5_01																				
TCGA_ZH_A8Y6_01																				
TCGA_3X_AA9V_01																				
TCGA_3X_AA9A_01																				
TCGA_3X_AA9B_01																				
TCGA_3X_AA9C_01																				
TCGA_3X_AA9E_01																				
TCGA_W5_AA2G_01																				
TCGA_W5_AA2H_01																				
TCGA_W5_AA2O_01																				
TCGA_W5_AA2R_01																				
TCGA_W5_AA2U_01																				
TCGA_W5_AA2X_01																				
TCGA_W5_AA30_01																				
TCGA_W5_AA31_01																				
TCGA_W5_AA33_01																				
TCGA_W5_AA39_01																				
TCGA_W6_AA0S_01																				
TCGA_WD_A7RX_01																				
TCGA_YR_A9SA_01																				
TCGA_ZH_A8Y4_01																				
TCGA_ZH_A8Y8_01																				
TCGA_ZU_A8S4_01																				