

Figure 1: A plot showing the distribution of genes in the "clus2" cluster. The x-axis is "Gene List Index" (0 to 15,000) and the y-axis is "Number of genes" (0 to 18,113). The blue line represents the cumulative distribution, showing a sharp drop at index 16,188, labeled "Peak at 16188". A vertical green dashed line marks the "Zero crossing at 7260". The green shaded area at the bottom represents the "clus2" cluster, which is labeled "clus2" and "NON.clus2".

A density plot showing the probability density function (P(ES)) of ES values for two gene sets. The x-axis is labeled 'ES' and ranges from -0.6 to 0.6. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 2.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks around -0.2 and 0.25. A vertical black line at ES = -0.472 represents the 'Observed Gene Set ES value'. The area to the left of this line is labeled 'Neg. ES "NON.clus2"' and the area to the right is labeled 'Pos. ES: "clus2"'. Below the x-axis, the following statistics are provided: ES = -0.472 NES = -1.58 Nom. p-val= 0.0397 FWER= 0.723 FDR= 0.182.

	clus2									NON.clus2							
Class																	
C6ADJ																	
TCF7L1																	
BRAF																	
TCF7L2																	
JUP																	
BAD																	
HRRAS																	
NRAS																	
NFKB1																	
RELA																	
ARAF																	
MAP2K2																	
IKKBK																	
SOS2																	
RASA																	
PIK3R2																	
RAFI																	
AKT1																	
MAPK3																	
AKT2																	
EIF4EBP1																	
MTOR																	
GRB2																	
IKBK																	
PIK3R1																	
RUNX1																	
RPS6KB2																	
CHUK																	
STAT5B																	
MAPK1																	
STAT3																	
CEBPA																	
STAT5A																	
KRAS																	
RPS6KB1																	
SOS1																	
PIK3CB																	
MAP2K1																	
AKT3																	
PIK3CA																	
PIK3R3																	
CCNA1																	
MYC																	
PIM1																	
PIM2																	
ZBTB16																	
KIT																	
PIK3CD																	
TCF7																	
SP1																	
EIF1																	
RUNX1T1																	
PIK3RS																	
FLT3																	
PIK3CG																	
TCGA_4G_AA2Q_01																	
TCGA_4G_AAZI_01																	
TCGA_W5_AA2I_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_AB13_01																	
TCGA_ZH_ABY1_01																	
TCGA_ZH_ABY2_01																	
TCGA_ZH_ABY5_01																	
TCGA_ZH_ABY6_01																	
TCGA_3X_AAV9_01																	
TCGA_3X_AAVA_01																	
TCGA_3X_AAVB_01																	
TCGA_3X_AAVC_01																	
TCGA_3X-AAVE_01																	
TCGA_W5_AA2G_01																	
TCGA_W5_AA2H_01																	
TCGA_W5_AA2O_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_ABY4_01																	
TCGA_ZH_ABY8_01																	
TCGA_ZU_AB8S4_01																	