

Figure 1 is a plot showing the distribution of gene lists by the number of genes in the gene set. The x-axis is labeled "Gene List Index" and ranges from 0 to 25,000. The y-axis is labeled "Number of gene lists" and ranges from 0 to 100,000. A red line represents the distribution, which peaks at 2761 and crosses zero at 8459. A green shaded area represents the "Benign" region (0 to 8459) and a black shaded area represents the "Malignant" region (8459 to 25,000). The plot also shows a horizontal dashed line at approximately 10,000 and a vertical dotted line at 2761. The text "Peak at 2761" and "Zero crossing at 8459" are present. The text "Benign" and "Malignant" are also present. The text "Number of genes: 25691 (in list), 75 (in gene set)" is at the bottom.

A density plot showing the distribution of ES values. 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 to 3. 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 0.43. The area under the red curve to the right of this line is shaded in light red. Text labels on the x-axis indicate 'Neg. ES "Malignant"' for negative values and 'Pos. ES: "Benign"' for positive values. At the bottom, a summary line reads: 'ES = 0.431 NES = 1.55 Nom. p-val= 0.0465 FWER= 0.991 FDR= 1'.

	Benign										Malignant									
Class																				
PEG10																				
NBN																				
GPAM																				
SMAD4																				
CCNB1																				
NCI																				
EIF4E																				
IREB2																				
ACTL6A																				
HSP90AA1																				
RPL11																				
HUWE1																				
MINA																				
PFKM																				
BCAT1																				
BIRC5																				
PRDX3																				
DDX18																				
BAX																				
CCND2																				
KAT2A																				
HSPA4																				
TFS1																				
NME1																				
SMAD3																				
CDK4																				
EIF4G1																				
POLR3D																				
UBTF																				
EP300																				
NPM1																				
MTOR																				
TFRC																				
HSPD1																				
GDC1																				
MYC																				
RCC1																				
RUVBL1																				
SUPT7L																				
EP251																				
ENO1																				
E2F3																				
PDCD10																				
TRRAP																				
TAF4B																				
TAF12																				
SERPIN1																				
CREBBP																				
MAX																				
LNKB																				
GAPDH																				
HNGA1																				
CAD																				
FOSL1																				
RUVBL2																				
NME2																				
KAT5																				
SRMT1																				
SUPT3H																				
NDUFA2																				
TKI																				
LDHA																				
PTMA																				
PMAIP1																				
TERC																				
ID2																				
SLC22A1																				
CDC25A																				
MDM9																				
CSCA7																				
SNAI1																				
TAF10																				
PIM1																				
MYC11																				
EIF4A1																				
GSM721593																				
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