

Figure 1: A plot showing the distribution of gene lists by the number of genes in the gene set. The x-axis is 'Gene List Index' (0 to 25,000) and the y-axis is 'Number of genes: 25691 (in list), 22 (in gene set)' (-1.5 to 0.0). A blue line shows the distribution, which is mostly flat at -1.5 but has a sharp peak at index 23,003. A green vertical line marks the 'Zero crossing at 13,352' and a blue vertical line marks the 'Peak at 23,003'. The area under the curve is shaded green, with 'Benign' labeled on the left and 'Malignant' labeled on the right.

A density plot showing the distribution of ES values for two gene sets: Malignant (red curve) and Benign (black curve). 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 2.0. The red curve, representing the 'Gene Set Null Density', is bimodal with peaks at approximately -0.7 and 0.4. The black curve, representing the 'Observed Gene Set ES value', is a single sharp peak at approximately -0.7. A vertical line marks the observed ES value at -0.713. The plot is annotated with 'Neg. ES "Malignant"' on the left and 'Pos. ES: "Benign"' on the right. Below the plot, the following statistics are provided: ES = -0.713, NES = -1.79, Nom. p-val = 0.00759, FWER = 0.671, and FDR = 0.458.

	Benign					Malignant							
Class	GSM721588	GSM721589	GSM721590	GSM721591	GSM721592	GSM721611	GSM721612	GSM721613	GSM721614	GSM721615	GSM721616	GSM721617	GSM721618
DUSP4	Low	Low	High	High	High	Low	Low	Low	High	Low	Low	Low	Low
THBS1	Low	Low	High	Low	High	High	Low	High	Low	Low	High	Low	Low
SULT2B1	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	High	Low
ZNF185	High	Low	Low	Low	High	High	Low	High	Low	High	Low	Low	Low
PTHLH	Low	High	Low	Low	High	Low	Low	High	High	Low	High	Low	High
PPL	Low	High	Low	Low	High	Low	Low	High	High	Low	High	Low	Low
HYAL1	Low	High	Low	Low	High	Low	Low	High	High	Low	High	Low	Low
CEACAM6	Low	High	Low	Low	High	Low	Low	High	High	Low	High	Low	High
HOPX	High	High	Low	Low	High	Low	Low	High	High	Low	High	Low	High
CLEC16A	High	Low	Low	Low	High	High	High	High	High	Low	Low	Low	Low
RUNX1	Low	Low	High	Low	High	High	High	High	High	Low	Low	Low	Low
DSG3	High	High	Low	Low	High	Low	Low	High	High	Low	High	High	Low
DAPK1	Low	Low	High	Low	High	High	High	High	High	Low	Low	High	High
RIMS2	Low	High	Low	Low	High	High	Low	High	High	Low	High	Low	High
UPK1B	Low	Low	Low	Low	High	High	Low	High	High	Low	High	Low	Low
RGS2	Low	Low	Low	High	High	High	Low	High	High	Low	High	Low	Low
ESYT1	High	Low	Low	Low	High	High	High	High	High	Low	High	High	High
KLK7	High	Low	Low	Low	High	High	High	High	High	Low	High	High	Low
SCEL	Low	Low	Low	Low	High	High	High	High	High	Low	High	High	Low
KLK6	Low	Low	Low	High	High	High	High	High	High	Low	High	High	Low
CALB1	Low	Low	Low	Low	High	High	High	High	High	Low	High	High	Low
GPCR5A	Low	Low	Low	Low	High	High	High	High	High	Low	High	High	Low