

Figure 1 consists of three vertically stacked panels sharing a common x-axis labeled "Gene List Index" ranging from 0 to 15,000. The top panel shows a red line representing the relationship between gene list index and gene set size, peaking at 3355 and crossing zero at 9647. The middle panel shows a barcode of gene set sizes. The bottom panel shows a green area representing the relationship between gene list index and cluster membership, with "clus1" and "NON.clus1" regions.

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 0.0 to 3.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.3 and 0.3. A vertical black line represents the 'Observed Gene Set ES value' at approximately 0.486. The area to the left of the line is labeled 'Neg. ES "NON.clus1"' and the area to the right is labeled 'Pos. ES: "clus1"'. Below the x-axis, the following statistics are provided: ES = 0.486 NES = 1.54 Nom. p-val= 0.0342 FWER= 0.812 FDR= 0.805.

Heatmap visualization showing gene expression profiles across 100 samples, clustered into two groups: **clus1** (red) and **NON.clus1** (blue). The y-axis lists 100 genes, and the x-axis represents individual samples. The heatmap shows varying levels of expression (red for high, blue for low) for each gene across the samples.

Genes listed on the y-axis (from top to bottom):

- Class
- COL4A1
- COL4A2
- LAMB1
- LAMB2
- BRCC3
- EF2
- CDK6
- TRAF5
- ITGA2
- PIK3CG
- LAMP1
- LAMA2
- LAMB3
- LAMB2
- CXCL10
- ITGA3
- FAH
- PTGS2
- CONE1
- LAMA6
- CDK6
- NG2
- SKP2
- PIK3R1
- TRAF1
- COL4A4
- CDK4
- ITGB1
- CONE2
- LAMB2
- PIK3CD
- TP53
- RARB
- TRAF4
- NFKB1
- AKT2
- RBI
- CYC5
- PIK3S
- PIAS2
- ITGA6
- IKKB
- PIAS3
- ITGA1
- LAMB1
- BRCC2
- LAMA5
- AKT1
- TRAF6
- BCL2L1
- EF2
- TRAF2
- RELA
- IKBKG
- PIAS4
- FHT
- APAF1
- MAX
- PIAS1
- NFKBIA
- PIK3R2
- CDCD1
- XIAP
- TRAF3
- CHUK
- PTK2
- RXR
- RXR
- PIK3CA
- CDKN1B
- PTEN
- MYC
- BCL2
- PIK3C2
- CASP9
- PIK3R1
- ITGA2B
- AKT3
- CDKN2B
- LAMA3
- COL4A4
- RYR2