

Figure 1: A plot showing the number of genes in a cluster (Y-axis) versus the Gene List Index (X-axis). The X-axis ranges from 0 to 15,000. The Y-axis ranges from 0 to 18,000. A red line represents the number of genes in a cluster, which starts at approximately 18,000, decreases to a minimum of about 10,000 at index 4,383, and then increases to about 15,000 at index 8,765. A green line represents the number of genes in a cluster, which starts at approximately 18,000, decreases to a minimum of about 10,000 at index 4,383, and then increases to about 15,000 at index 8,765. A horizontal dashed line is drawn at Y=10,000. A vertical dotted red line is drawn at X=4,383, labeled "Peak at 4383". A vertical dotted green line is drawn at X=8,765, labeled "Zero crossing at 8765". The area under the red line is shaded green. The area under the green line is shaded light green. The area under the light green line is shaded light blue. The area under the light blue line is shaded light purple. The area under the light purple line is shaded light pink. The area under the light pink line is shaded light yellow. The area under the light yellow line is shaded light orange. The area under the light orange line is shaded light brown. The area under the light brown line is shaded light gray. The area under the light gray line is shaded light black. The area under the light black line is shaded black.

A density plot showing the probability density function (PDF) of ES values. The x-axis is labeled 'ES' and ranges from approximately -1.0 to 1.0, with major ticks at -0.5, 0.0, and 0.5. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 1.5, with major ticks at 0.0, 0.5, 1.0, and 1.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks around -0.5 and -0.3. A vertical black line at ES = 0.528 represents the 'Observed Gene Set ES value'. 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 "NON.clus3"' for the left peak and 'Pos. ES: "clus3"' for the right peak. At the bottom, a summary of statistics is provided: ES = 0.528, NES = 1.28, Norm. p-val = 0.243, FWER = 0.982, and FDR = 0.45.

ES = 0.528 NES = 1.28 Norm. p-val= 0.243 FWER= 0.982 FDR= 0.45

Class	clus3	NON.clus3
XRCC2		
RAD51		
RAD54B		
BLM		
RAD54L		
RPA3		
POLD2		
POLD1		
EME1		
SSBP1		
RAD50		
SHFM1		
XRCC3		
BRCA2		
RPA1		
TOP3B		
RPA2		
MUS81		
TOP3A		
POLD3		
NBN		
RAD52		
MRE11A		
RAD51L1		
RPA4		
RAD51L3		
POLD4		