

Figure 1: A plot showing the distribution of the number of clusters (N) for a given number of nodes (n). The x-axis represents the number of nodes (n) from 0 to 15,000. The y-axis represents the number of clusters (N). A red line shows the distribution of clusters, which peaks at 1885 and crosses zero at 9190. A green shaded area represents the distribution of clusters for 'clus4' and 'NON.clus4'. A vertical red line marks the peak at 1885, and a vertical green line marks the zero crossing at 9190.

This density plot shows the distribution of ES values for the 'NON.clus4' gene set. The x-axis represents the ES value, ranging from -0.6 to 0.6. The y-axis represents the probability density $P(ES)$, ranging from 0.0 to 2.5. The plot features a red curve representing the 'Gene Set Null Density' and a black horizontal line at $P(ES) = 0$ representing the 'Observed Gene Set ES value'. The red curve is bimodal, with peaks at approximately -0.4 and 0.4. The observed ES value is indicated by a black line at the bottom of the plot, centered around 0.0.

clus4

NON.clus4

Gene List (Y-axis):

- Class
- FASLG
- CASP8
- TNF
- PIK3CB
- PIK3RS
- CASP10
- IL1B
- BRG1
- TNFSF10
- TNFSF10A
- IL3RA
- FAS
- TNFRSF10C
- PIK4ZB
- IRAK1
- IL1R1
- IRAK2
- PIK3E1
- NGF
- CASP7
- CASP8
- TNFRSF10D
- PPK1CA
- CFLAR
- ATM
- CASP3
- TNFRSF1A
- BAX
- CASP9
- PPK3CC
- IRAK4
- APF1
- BCL2L1
- MYD88
- CHUK
- PPK3CB
- IRAK1
- PIK3CA
- ENDODG
- BID
- PRKACA
- NFIB1
- TNFRSF10B
- MAPK14
- PIK3I
- PIK3CD
- PIK3ACB
- CYCS
- CASP6
- CASP9
- BRG1
- PRKX
- TRAF2
- BATF
- RIPK1
- PPK3B1
- BCL2
- FADD
- TRAF2
- DFFA
- IKKKB
- IKKKB
- CAPN1
- TP53
- EXOG
- AKT1
- PRKAR1B
- AKT3
- ENDOG
- NTS1
- PRKAT1A
- PRKACB
- AKT2
- RELA
- CHP
- PRKAR1A
- ILTRAP

Sample List (X-axis):

- T0001_M_100000000
- T0002_M_100000000
- T0003_M_100000000
- T0004_M_100000000
- T0005_M_100000000
- T0006_M_100000000
- T0007_M_100000000
- T0008_M_100000000
- T0009_M_100000000
- T0010_M_100000000
- T0011_M_100000000
- T0012_M_100000000
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- T0015_M_100000000
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- T0090_M_100000000
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- T0095_M_100000000
- T0096_M_100000000
- T0097_M_100000000
- T0098_M_100000000
- T0099_M_100000000
- T0100_M_100000000