

Figure 1 consists of three vertically stacked panels sharing a common x-axis representing time from 0 to 15,000. The top panel shows a red line representing the cluster size, which starts at zero, rises to a peak of 3172 at time 3172, and then gradually decreases, crossing the zero line at time 9453. The middle panel is a barcode plot showing the number of clusters at each time step, with vertical lines of varying heights. The bottom panel is a green area plot showing the fraction of clusters in the 'clus2' state (labeled 'clus2' on the left) and the 'NON.clus2' state (labeled 'NON.clus2' on the right) over time. The 'clus2' fraction starts at 1.0 and decreases towards 0.0, while the 'NON.clus2' fraction starts at 0.0 and increases towards 1.0.

Gene List Index
Number of genes: 17346 (in list), 82 (in gene set)

A density plot showing the probability density function $P(ES)$ on the y-axis (ranging from 0 to 3) against the ES value on the x-axis (ranging from -0.6 to 0.6). The plot features two distinct peaks: a red curve labeled 'Gene Set Null Density' and a black curve labeled 'Observed Gene Set ES value'. The red curve is bimodal, with peaks at approximately -0.25 and 0.25. The black curve is a single sharp peak at approximately 0.55, labeled 'Pos. ES: "clus2"'. The area under the red curve is labeled 'Neg. ES "NON.clus2"'.

ES
ES = 0.542 NES = 1.87 Nom. p-val= 0.00626 FWER= 0.164 FDR= 0.135

clus2

NON.clus2

Gene

WNT5B
FRZB
WNT1
WNT2B
ZDZ
SFRP4
WNT3
DKK1
RHOA
WNT5A
WNT10A
WNT6
ZDZ
FOSL1
SOX11
CCND2
ZDZ
LEF1
ZDZ
NTS2
CX3C4
SFRP1
WNT1
TLE2
WNT7B
JUN
TLE1
ICL3
PORCN
ZDZ
TCF7L1
ZDZ
WNT9A
GAPDH
GSK3A
PPP1R1A
WNT3
TCF7
FBXW4
KCTD
KREH1
DVL1
AES
ILCA3A1
CTNBP1
DVL2
CCND1
APC
CTBP1
RPL13A
B2M
NR01
WNT1
CSNK1D
CENPA
AKIN1
EP300
ZDZ
CCND3
FRAT1
BTRC
CSNK1G1
DRO1
NLK
HPR1
CTBP2
PPP2CA
GSK3B
CSNK1A1
WNT16
FBXW2
SEW2
WNT4
LRR
MYC
CTNBP1
APC
ZDZ
DAAM1
WSP1
PYGO1

TCGA, V3, JAZZ1
TCGA, V3, JAZZ2
TCGA, V3, JAZZ3
TCGA, V3, JAZZ4
TCGA, V3, JAZZ5
TCGA, V3, JAZZ6
TCGA, V3, JAZZ7
TCGA, V3, JAZZ8
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TCGA, V3, JAZZ100