

Figure 1 displays a multi-panel plot showing gene expression data for clus1. The x-axis represents the Gene List Index, ranging from 0 to 15000. The y-axis for the top panel represents log2(RPKM), and for the bottom panel, it represents Density.

The top panel shows a line graph of log2(RPKM) values across the Gene List Index. A blue line represents the data, which exhibits a peak at 12297 and a zero crossing at 8790. A dashed horizontal line indicates the baseline expression level.

The middle panel is a barcode plot showing the number of genes (black vertical lines) across the Gene List Index. The density of genes is highest around the peak at 12297.

The bottom panel is a density plot showing the distribution of the Gene List Index. The green shaded area represents the density, which is highest at the extremes (0 and 15000) and lowest in the middle. The labels "clus1" and "NON.clus1" are positioned at the left and right extremes, respectively.

Number of genes: 17824 (in list), 104 (in gene set)

A density plot showing the distribution of ES values. The x-axis is labeled 'ES' and ranges from -0.4 to 0.4. The y-axis is labeled 'P(ES)' and ranges from 0 to 4. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.18 (P ≈ 3.0) and 0.18 (P ≈ 2.7). A vertical black line at ES = -0.303 represents the 'Observed Gene Set ES value'. The area under the red curve to the left of this line is shaded light red. Text labels on the x-axis indicate 'Neg. ES "NON.clus1"' for the left tail and 'Pos. ES: "clus1"' for the right tail. Below the x-axis, summary statistics are provided: ES = -0.303, NES = -1.43, Norm. p-val = 0.0994, FWER = 0.996, and FDR = 1.

Heatmap visualization showing gene expression levels across various samples, categorized by cluster (clus1 and NON.clus1). The color scale ranges from -2 (blue) to 2 (red).

clus1

NON.clus1

Gene list (rows):

- CDKN1B
- CDKN1A
- CDKN2A
- CDKN2B
- CDKN2C
- CDKN2D
- CDKN2E
- CDKN2F
- CDKN2G
- CDKN2H
- CDKN2I
- CDKN2J
- CDKN2K
- CDKN2L
- CDKN2M
- CDKN2N
- CDKN2O
- CDKN2P
- CDKN2Q
- CDKN2R
- CDKN2S
- CDKN2T
- CDKN2U
- CDKN2V
- CDKN2W
- CDKN2X
- CDKN2Y
- CDKN2Z
- CDKN2AA
- CDKN2AB
- CDKN2AC
- CDKN2AD
- CDKN2AE
- CDKN2AF
- CDKN2AG
- CDKN2AH
- CDKN2AI
- CDKN2AJ
- CDKN2AK
- CDKN2AL
- CDKN2AM
- CDKN2AN
- CDKN2AO
- CDKN2AP
- CDKN2AQ
- CDKN2AR
- CDKN2AS
- CDKN2AT
- CDKN2AU
- CDKN2AV
- CDKN2AW
- CDKN2AX
- CDKN2AY
- CDKN2AZ
- CDKN2BA
- CDKN2BB
- CDKN2BC
- CDKN2BD
- CDKN2BE
- CDKN2BF
- CDKN2BG
- CDKN2BH
- CDKN2BI
- CDKN2BJ
- CDKN2BK
- CDKN2BL
- CDKN2BM
- CDKN2BN
- CDKN2BO
- CDKN2BP
- CDKN2BQ
- CDKN2BR
- CDKN2BS
- CDKN2BT
- CDKN2BU
- CDKN2BV
- CDKN2BW
- CDKN2BX
- CDKN2BY
- CDKN2BZ
- CDKN2CA
- CDKN2CB
- CDKN2CC
- CDKN2CD
- CDKN2CE
- CDKN2CF
- CDKN2CG
- CDKN2CH
- CDKN2CI
- CDKN2CJ
- CDKN2CK
- CDKN2CL
- CDKN2CM
- CDKN2CN
- CDKN2CO
- CDKN2CP
- CDKN2CQ
- CDKN2CR
- CDKN2CS
- CDKN2CT
- CDKN2CU
- CDKN2CV
- CDKN2CW
- CDKN2CX
- CDKN2CY
- CDKN2CZ
- CDKN2DA
- CDKN2DB
- CDKN2DC
- CDKN2DD
- CDKN2DE
- CDKN2DF
- CDKN2DG
- CDKN2DH
- CDKN2DI
- CDKN2DJ
- CDKN2DK
- CDKN2DL
- CDKN2DM
- CDKN2DN
- CDKN2DO
- CDKN2DP
- CDKN2DQ
- CDKN2DR
- CDKN2DS
- CDKN2DT
- CDKN2DU
- CDKN2DV
- CDKN2DW
- CDKN2DX
- CDKN2DY
- CDKN2DZ
- CDKN2EA
- CDKN2EB
- CDKN2EC
- CDKN2ED
- CDKN2EE
- CDKN2EF
- CDKN2EG
- CDKN2EH
- CDKN2EI
- CDKN2EJ
- CDKN2EK
- CDKN2EL
- CDKN2EM
- CDKN2EN
- CDKN2EO
- CDKN2EP
- CDKN2EQ
- CDKN2ER
- CDKN2ES
- CDKN2ET
- CDKN2EU
- CDKN2EV
- CDKN2EW
- CDKN2EX
- CDKN2EY
- CDKN2EZ
- CDKN2FA
- CDKN2FB
- CDKN2FC
- CDKN2FD
- CDKN2FE
- CDKN2FF
- CDKN2FG
- CDKN2FH
- CDKN2FI
- CDKN2FJ
- CDKN2FK
- CDKN2FL
- CDKN2FM
- CDKN2FN
- CDKN2FO
- CDKN2FP
- CDKN2FQ
- CDKN2FR
- CDKN2FS
- CDKN2FT
- CDKN2FU
- CDKN2FV
- CDKN2FW
- CDKN2FX
- CDKN2FY
- CDKN2FZ
- CDKN2GA
- CDKN2GB
- CDKN2GC
- CDKN2GD
- CDKN2GE
- CDKN2GF
- CDKN2GG
- CDKN2GH
- CDKN2GI
- CDKN2GJ
- CDKN2GK
- CDKN2GL
- CDKN2GM
- CDKN2GN
- CDKN2GO
- CDKN2GP
- CDKN2GQ
- CDKN2GR
- CDKN2GS
- CDKN2GT
- CDKN2GU
- CDKN2GV
- CDKN2GW
- CDKN2GX
- CDKN2GY
- CDKN2GZ
- CDKN2HA
- CDKN2HB
- CDKN2HC
- CDKN2HD
- CDKN2HE
- CDKN2HF
- CDKN2HG
- CDKN2HH
- CDKN2HI
- CDKN2HJ
- CDKN2HK
- CDKN2HL
- CDKN2HM
- CDKN2HN
- CDKN2HO
- CDKN2HP
- CDKN2HQ
- CDKN2HR
- CDKN2HS
- CDKN2HT
- CDKN2HU
- CDKN2HV
- CDKN2HW
- CDKN2HX
- CDKN2HY
- CDKN2HZ
- CDKN2IA
- CDKN2IB
- CDKN2IC
- CDKN2ID
- CDKN2IE
- CDKN2IF
- CDKN2IG
- CDKN2IH
- CDKN2IJ
- CDKN2IK
- CDKN2IL
- CDKN2IM
- CDKN2IN
- CDKN2IO
- CDKN2IP
- CDKN2IQ
- CDKN2IR
- CDKN2IS
- CDKN2IT
- CDKN2IU
- CDKN2IV
- CDKN2IW
- CDKN2IX
- CDKN2IY
- CDKN2IZ
- CDKN2JA
- CDKN2JB
- CDKN2JC
- CDKN2JD
- CDKN2JE
- CDKN2JF
- CDKN2JG
- CDKN2JH
- CDKN2JI
- CDKN2JJ
- CDKN2JK
- CDKN2JL
- CDKN2JM
- CDKN2JN
- CDKN2JO
- CDKN2JP
- CDKN2JQ
- CDKN2JR
- CDKN2JS
- CDKN2JT
- CDKN2JU
- CDKN2JV
- CDKN2JW
- CDKN2JX
- CDKN2JY
- CDKN2JZ
- CDKN2KA
- CDKN2KB
- CDKN2KC
- CDKN2KD
- CDKN2KE
- CDKN2KF
- CDKN2KG
- CDKN2KH
- CDKN2KI
- CDKN2KJ
- CDKN2KK
- CDKN2KL
- CDKN2KM
- CDKN2KN
- CDKN2KO
- CDKN2KP
- CDKN2KQ
- CDKN2KR
- CDKN2KS
- CDKN2KT
- CDKN2KU
- CDKN2KV
- CDKN2KW
- CDKN2KX
- CDKN2KY
- CDKN2KZ
- CDKN2LA
- CDKN2LB
- CDKN2LC
- CDKN2LD
- CDKN2LE
- CDKN2LF
- CDKN2LG
- CDKN2LH
- CDKN2LI
- CDKN2LJ
- CDKN2LK
- CDKN2LL
- CDKN2LM
- CDKN2LN
- CDKN2LO
- CDKN2LP
- CDKN2LQ
- CDKN2LR
- CDKN2LS
- CDKN2LT
- CDKN2LU
- CDKN2LV
- CDKN2LW
- CDKN2LX
- CDKN2LY
- CDKN2LZ
- CDKN2MA
- CDKN2MB
- CDKN2MC
- CDKN2MD
- CDKN2ME
- CDKN2MF
- CDKN2MG
- CDKN2MH
- CDKN2MI
- CDKN2MJ
- CDKN2MK
- CDKN2ML
- CDKN2MN
- CDKN2MO
- CDKN2MP
- CDKN2MQ
- CDKN2MR
- CDKN2MS
- CDKN2MT
- CDKN2MU
- CDKN2MV
- CDKN2MW
- CDKN2MX
- CDKN2MY
- CDKN2MZ
- CDKN2NA
- CDKN2NB
- CDKN2NC
- CDKN2ND
- CDKN2NE
- CDKN2NF
- CDKN2NG
- CDKN2NH
- CDKN2NI
- CDKN2NJ
- CDKN2NK
- CDKN2NL
- CDKN2NM
- CDKN2NO
- CDKN2NP
- CDKN2NQ
- CDKN2NR
- CDKN2NS
- CDKN2NT
- CDKN2NU
- CDKN2NV
- CDKN2NW
- CDKN2NX
- CDKN2NY
- CDKN2NZ
- CDKN2OA
- CDKN2OB
- CDKN2OC
- CDKN2OD