

A density plot showing the probability density function (PDF) of ES values. The x-axis is labeled 'ES' and ranges from approximately -0.8 to 0.8. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 2.5. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.4 and 0.4. A vertical black line at ES = -0.628 represents the 'Observed Gene Set ES value'. The area under the red curve to the left of this line is shaded in light blue. Text labels on the x-axis indicate 'Neg. ES "NON.clus1"' for the left tail and 'Pos. ES: "clus1"' for the right tail. At the bottom, the following statistics are provided: ES = -0.628, NES = -1.63, Nom. p-val= 0, FWER= 0.598, and FDR= 0.942.

ES = -0.628 NES = -1.63 Nom. p-val= 0 FWER= 0.598 FDR= 0.942

Heatmap visualization showing gene expression profiles across 100 samples, categorized into two clusters: **clus1** (red) and **NON.clus1** (blue). The y-axis lists genes, and the x-axis lists samples. The color scale ranges from -2 (blue) to 2 (red).

**Genes (Y-axis):**

- Class
- CDKN2B
- COMP
- THBS3
- RB1
- E2F4
- RB1
- PP2CA
- PP2C1B
- RPSK2
- RB2
- MTC
- TGFBI
- CUL1
- PP2R1A
- TTDP1
- TGFBI
- KCK1
- SMAL2
- RHOA
- BNNG
- BNNG
- SKP1
- THBS
- CREBBP
- EP300
- HAPK1
- RPSK1
- SMAD4
- SMAD3
- SMI
- SP1
- ZFYVE16
- TNF
- THBS1
- INRSE
- E2F5
- MAPK3
- ZFYVE9
- TGFBI2
- ACVR2B
- SMUR1
- PP2CB
- CHD
- SMAD1
- BMP2C
- INR3
- BMP7
- LEFTY
- ACVR2A
- BMP8A
- INR5A
- BMP8
- SMAD3
- TGFBI
- OX
- ACVR1
- PITX2
- OX
- ACVR1
- NOTAL
- ROCK2
- DCN
- BMP1A
- INR5B
- AMHR2
- GDF7
- AMH
- SMAD6
- ACVR1C
- IGF1
- GDF6
- LTB1
- SMAD9
- SMAD7
- TGFBI
- BMP4
- IGF1
- BMP8B
- THBS4
- BMP6
- BMP2
- LEFTY2
- OX
- GDF9

**Samples (X-axis):**

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