

A density plot showing the distribution of ES values. The x-axis is labeled 'ES' and ranges from -0.6 to 0.6. The y-axis is labeled 'P(ES)' and ranges from 0.0 to 3.0. A red curve represents the 'Gene Set Null Density', which is bimodal with peaks at approximately -0.25 and 0.25. A vertical black line represents the 'Observed Gene Set ES value' at ES = -0.437. 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.clus3"' for the left side and 'Pos. ES: "clus3"' for the right side. At the bottom, a summary line provides the following values: ES = -0.437, NES = -1.41, Nom. p-val = 0.0942, FWER = 0.997, and FDR = 1.

**clus3** **NON.clus3**

Class  
 PYGM  
 PHKG1  
 PGAM2  
 GAPDH5  
 PFKM  
 SLC25A12  
 PRKACB  
 PHKA1  
 GBE1  
 AGL  
 GYG1  
 PGMO  
 UGP2  
 PHKG2  
 PHK3  
 PFKFB2  
 PPP2R5D  
 PPP2CA  
 PGM1  
 ENO1  
 PHKA2  
 MDH1  
 GYS1  
 ALDOC  
 CALM3  
 CALM1  
 CALM2  
 PGAM1  
 PFKL  
 MDH2  
 PGK1  
 PRKACA  
 PFKFB4  
 SLC25A11  
 GAPDH  
 PFKFB3  
 PFKF  
 TPI1  
 PKM2  
 PPP2R1A  
 PPP2CB  
 SLC25A13  
 SLC35A1  
 ALDOB  
 ALDOA  
 GPI  
 PPP2R1B  
 PKG2  
 GOT2  
 SLC25A10  
 PYGB  
 GYG2  
 PYGL  
 ENO2  
 GOT1  
 FDP1  
 ENO3  
 PFKFB1  
 PKLF  
 PKF2  
 GYS2  
 PKM1

TCGA\_3X\_AAIVE\_01  
 TCGA\_W5\_AA2H\_01  
 TCGA\_W5\_AA2R\_01  
 TCGA\_W5\_AA2U\_01  
 TCGA\_W5\_AA30\_01  
 TCGA\_3X\_AAV9\_01  
 TCGA\_3X\_AAV1\_01  
 TCGA\_3X\_AAV3\_01  
 TCGA\_3X\_AAVB\_01  
 TCGA\_3X\_AAVC\_01  
 TCGA\_4G\_AAZ0\_01  
 TCGA\_4G\_AAZ1\_01  
 TCGA\_W5\_AAZ2\_01  
 TCGA\_W5\_AAZ3\_01  
 TCGA\_W5\_AAZ4\_01  
 TCGA\_W5\_AAZ5\_01  
 TCGA\_W5\_AAZ6\_01  
 TCGA\_W5\_AAZ7\_01  
 TCGA\_W5\_AAZ8\_01  
 TCGA\_W5\_AAZ9\_01  
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 TCGA\_W5\_AAZ36\_01  
 TCGA\_W5\_AAZ37\_01  
 TCGA\_W5\_AAZ38\_01  
 TCGA\_W5\_AAZ39\_01  
 TCGA\_W6\_AA0S\_01  
 TCGA\_WD\_A7RX\_01  
 TCGA\_YR\_A95A\_01  
 TCGA\_ZD\_A813\_01  
 TCGA\_ZH\_A8Y1\_01  
 TCGA\_ZH\_A8Y2\_01  
 TCGA\_ZH\_A8Y4\_01  
 TCGA\_ZH\_A8Y5\_01  
 TCGA\_ZH\_A8Y6\_01  
 TCGA\_ZH\_A8Y7\_01  
 TCGA\_ZH\_A8Y8\_01  
 TCGA\_ZH\_A8Y9\_01  
 TCGA\_ZH\_A8S4\_01