

Figure 1 displays a multi-panel plot showing gene expression data across 17,824 genes (in list) and 47 genes (in gene set). The x-axis represents the Gene List Index, ranging from 0 to 17,824.

The top panel shows a red line plot representing a gene expression profile. A peak is identified at index 1852, and a zero crossing is identified at index 9077. A dashed horizontal line indicates a baseline expression level.

The middle panel shows vertical black bars representing gene expression patterns across the gene list index.

The bottom panel shows a green area plot representing the distribution of gene expression levels. The area is labeled "clus1" on the left and "NON.clus1" on the right, indicating different clusters or groups of genes.

A density plot showing the probability density function (PDF) of ES values for two gene sets. The x-axis is labeled 'ES' and ranges from -1.0 to 1.0. 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 -0.3 and 0.4. A black vertical line at ES = 0.426 represents the 'Observed Gene Set ES value'. The area under the red curve to the right of this line is shaded in light blue. The plot is annotated with 'Neg. ES "NON.clus1"' on the left and 'Pos. ES: "clus1"' on the right. Below the x-axis, the following statistics are provided: ES = 0.426 NES = 1.08 Nom. p-val= 0.333 FWER= 0.996 FDR= 1.

clus1 **NON.clus1**

Class

CYP26C1

CYP26A1

ADH1C

LRAT

CYP1A2

ALDH1A2

ADH7

CYP1A1

ADH6

RDH11

CYP4A11

RDH10

CYP2C9

ADH4

UGT2B7

ALDH1A1

ADH1A

CYP2C8

CYP2C18

DHRS3

UGT1A6

CYP3A43

RDH16

CYP3A7

UGT1A8

DHRS4

ADH5

DHRS4L2

CYP2A6

DHRS9

RETSAT

UGT2A3

PNPLA4

UGT2B10

DGAT1

DGAT2

RPE65

RDH5

ADH1B

CYP26B1

RDH12

UGT2B11

CYP3A5

UGT2B28

UGT2A1

BCMO1

UGT2B4

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