

The figure displays the Fourier transform analysis of a handwritten digit '0'. The top panel shows the magnitude of the Fourier transform (red line) versus frequency. The magnitude starts at zero, rises to a peak at 5075, and then decreases, crossing zero at 9579. The middle panel shows the original image with vertical lines representing the Fourier components. The bottom panel shows the magnitude of the Fourier transform of the image, with a green shaded area indicating the magnitude of the components. The x-axis is labeled from 0 to 20000.

Gene List Index  
Number of genes: 20389 (in list), 109 (in gene set)

Gene Set Null Density

Observed Gene Set ES value

$P(ES)$

Neg. ES "1"

Pos. ES: "0"

ES  
ES = 0.503 NES = 1.72 Nom. p-val= 0 FWER= 0.684 FDR= 0.326

Heatmap showing gene expression levels across 24 samples. The y-axis lists 100 genes, and the x-axis lists 24 samples grouped by expression level (0 to 1). The color scale ranges from blue (low expression) to red (high expression).

Genes (Y-axis):

- Clon
- SLC44A1
- ADH1
- ADH1B
- PDGFRA
- ADH1C
- ADH1D
- ADH1E
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