

Figure 1: A plot showing the distribution of genes in the 'clus4' cluster. The x-axis is 'Gene List Index' (0 to 17824) and the y-axis is 'Number of genes' (-1.0 to 0.5). A red line shows the cumulative distribution, peaking at 4004 and crossing zero at 8216. A green shaded area represents the 'clus4' cluster, and a dark green shaded area represents the 'NON.clus4' cluster. Vertical dotted lines mark the peak and zero crossing points.

ES = 0.501 NES = 1.66 Nom. p-val= 0.0225 FWER= 0.824 FDR= 1

**clus4** **NON.clus4**

Class

PDGFB

EIF2AK2

PDGFRB

KDR

ITGA1

CSF1

PIK3CA

SOS1

STAT5B

EGFR

STAT1

JAK1

VEGFA

STAT3

STAT5A

KPNB1

EIF2A

HGF

ITGB1

RAB4A

GRB2

PIK3CB

MET

PTPN2

PIA51

SHC1

STAT6

GAB1

KPNA2

CSF1R

PIK3R1

SRC

EGF

INSR

LMAN1

PIK3CD

ATR

CREBBP

PIK3R3

PTPN1

PIK3R2

JAK3

TGGA\_KL\_1335\_01

TGGA\_KL\_1333\_01

TGGA\_KL\_1343\_01

TGGA\_KL\_1344\_01

TGGA\_KN\_1419\_01

TGGA\_AL\_1323\_01

TGGA\_KL\_1325\_01

TGGA\_AL\_1327\_01

TGGA\_KL\_1329\_01

TGGA\_KL\_1330\_01

TGGA\_KL\_1331\_01

TGGA\_KL\_1334\_01

TGGA\_KL\_1335\_01

TGGA\_KL\_1337\_01

TGGA\_KL\_1338\_01

TGGA\_KL\_1340\_01

TGGA\_KL\_1341\_01

TGGA\_KL\_1342\_01

TGGA\_KL\_1346\_01

TGGA\_KN\_1438\_01

TGGA\_KN\_1441\_01

TGGA\_KN\_1442\_01

TGGA\_KN\_1443\_01

TGGA\_KN\_1476\_01

TGGA\_KN\_1639\_01

TGGA\_KN\_1621\_01

TGGA\_KN\_1622\_01

TGGA\_KN\_1623\_01

TGGA\_KN\_1624\_01

TGGA\_KN\_1625\_01

TGGA\_KN\_1627\_01

TGGA\_KN\_1628\_01

TGGA\_KN\_1629\_01

TGGA\_KN\_1630\_01

TGGA\_KN\_1631\_01

TGGA\_KN\_1632\_01

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TGGA\_KN\_1694\_01

TGGA\_KN\_1695\_01

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TGGA\_KN\_1697\_01

TGGA\_KN\_1698\_01

TGGA\_KN\_1699\_01

TGGA\_KN\_1700\_01