

H for de gene

Pathway

HALLMARK UV RESPONSE
DN

HALLMARK KRAS
SIGNALING UP

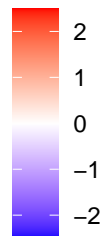
HALLMARK ESTROGEN
RESPONSE EARLY

HALLMARK MYC TARGETS
V1

HALLMARK APOPTOSIS

HALLMARK EPITHELIAL
MESENCHYMAL
TRANSITION

NES



0

5

10

15

Size

C2 CGP for de gene

Pathway

STARK PREFRONTAL
CORTEX 22Q11
DELETION UP

SABATES COLORECTAL
ADENOMA UP

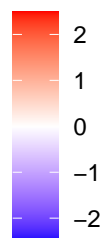
LI ESTROGENE MID E2
RESPONSE DN

MCLACHLAN DENTAL
CARIES UP

SMID BREAST CANCER
LUMINAL B DN

LIU OVARIAN
CANCER TUMORS AND
XENOGRAPHS XDGS DN

NES



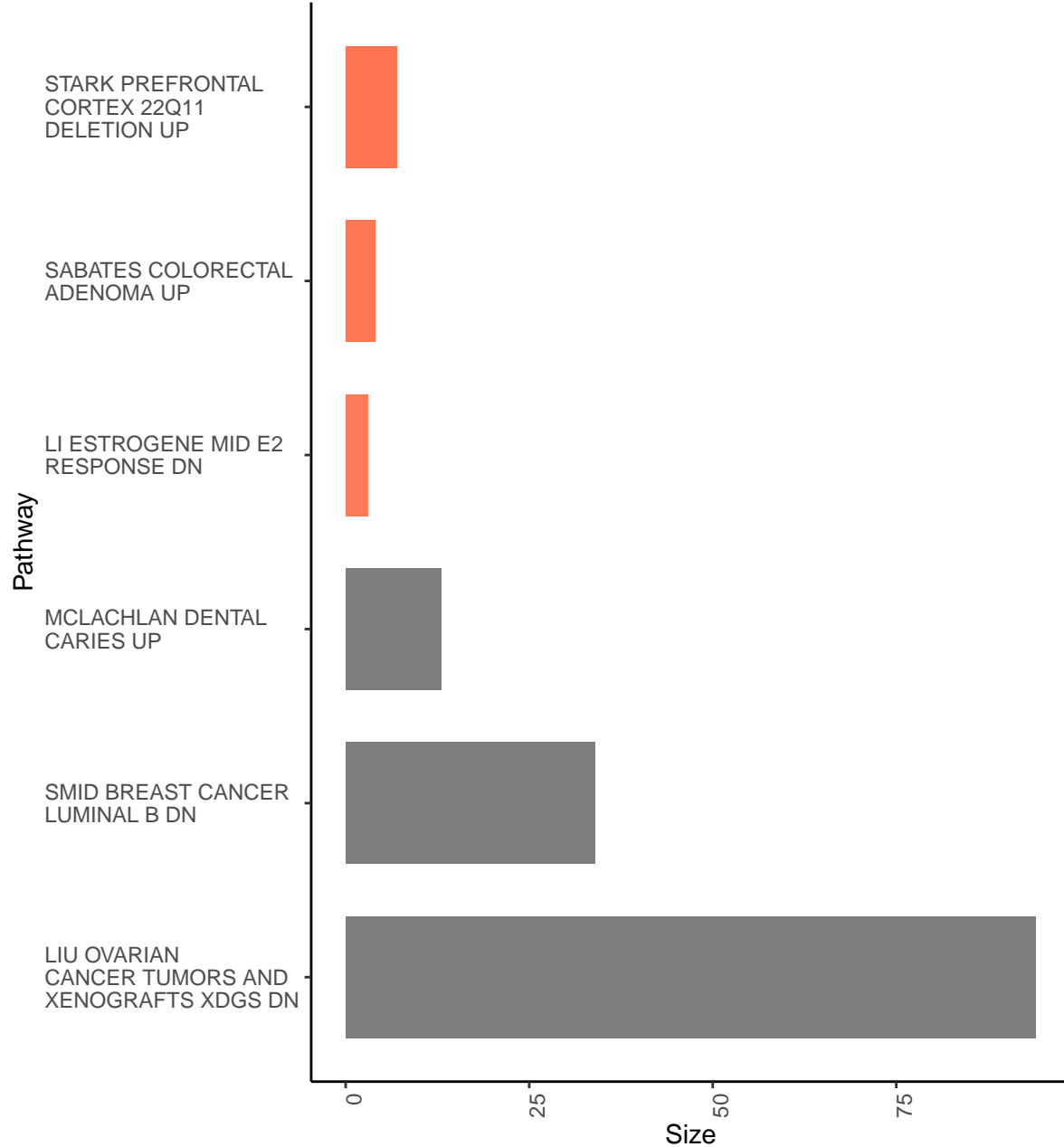
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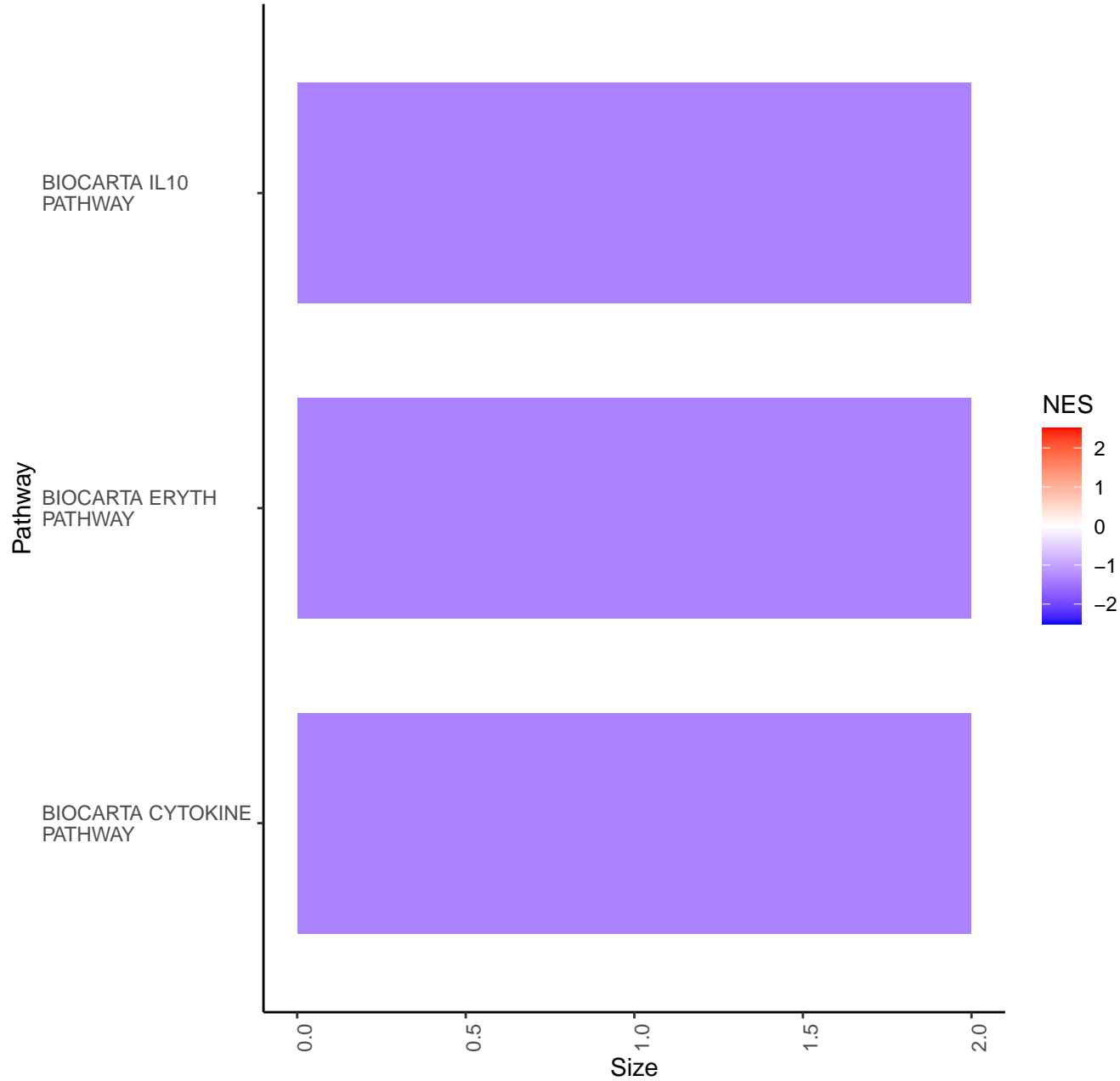
50

75

Size



C2 CP:BIOCARTA for de gene



C2 CP:PID for de gene

Pathway

PID IL23 PATHWAY

PID DELTA NP63
PATHWAY

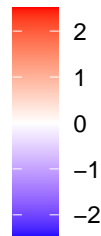
PID LYMPH
ANGIOGENESIS PATHWAY

PID SYNDECAN 1
PATHWAY

PID AVB3 INTEGRIN
PATHWAY

PID IL4 2PATHWAY

NES



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8

Size

C2 CP:REACTOME for de gene

Pathway

REACTOME NEURONAL
SYSTEM

REACTOME NEUREXINS
AND NEUROLIGINS

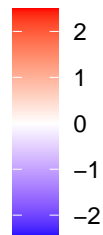
REACTOME VOLTAGE
GATED POTASSIUM
CHANNELS

REACTOME SCAVENGING
OF HEME FROM PLASMA

REACTOME CELL
SURFACE INTERACTIONS
AT THE VASCULAR WALL

REACTOME BINDING AND
UPTAKE OF LIGANDS BY
SCAVENGER RECEPTORS

NES



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Size

C2 CP:WIKIPATHWAYS for de gene

Pathway

WP DISRUPTION
OF POSTSYNAPTIC
SIGNALING BY CNV

WP SYNAPTIC VESICLE
PATHWAY

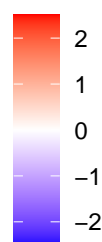
WP GABA RECEPTOR
SIGNALING

WP IL18 SIGNALING

WP BURN WOUND
HEALING

WP CYTOPLASMIC
RIBOSOMAL PROTEINS

NES



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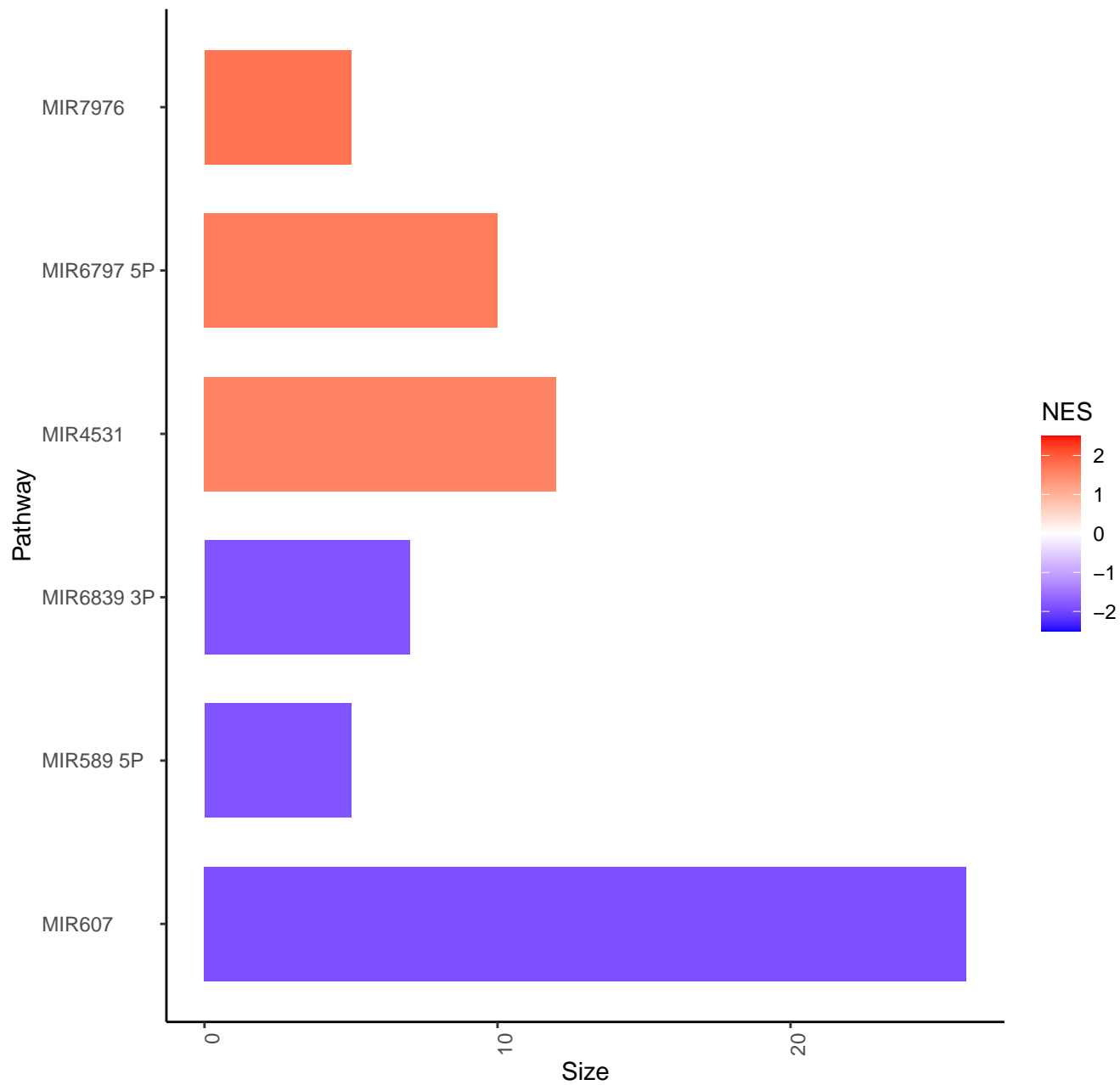
2

4

6

Size

C3 MIR:MIRDB for de gene



C3 TFT:GTRD for de gene

Pathway

CDC5L TARGET GENES

ZNF136 TARGET GENES

TRIP13 TARGET GENES

SS18 SSX1 FUSION
UNIPROT Q8IZH1
UNREVIEWED TARGET
GENES

HSD17B8 TARGET GENES

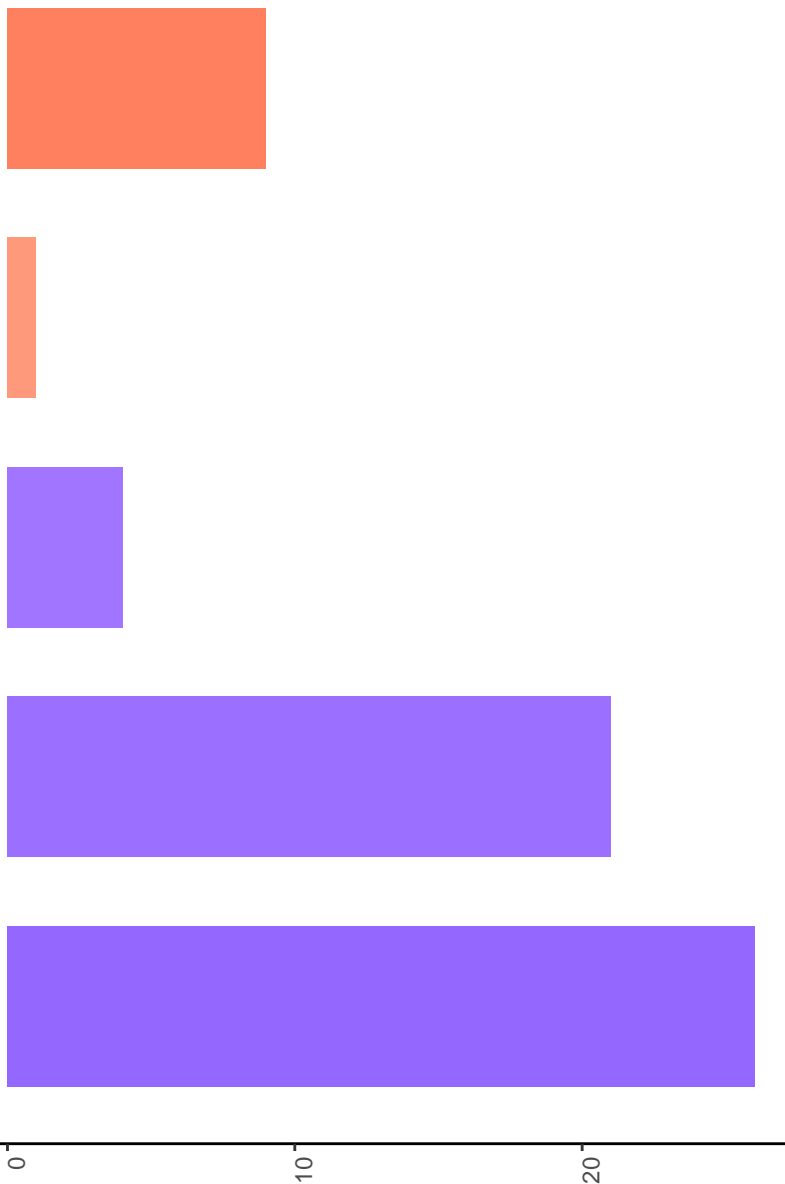
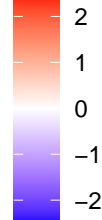
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Size

NES



C4 CGN for de gene

Pathway

GNF2 DNM1

GNF2 RAB3A

MORF EIF3S2

MORF RAN

MORF UBE2I

GNF2 PTX3

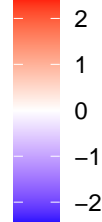
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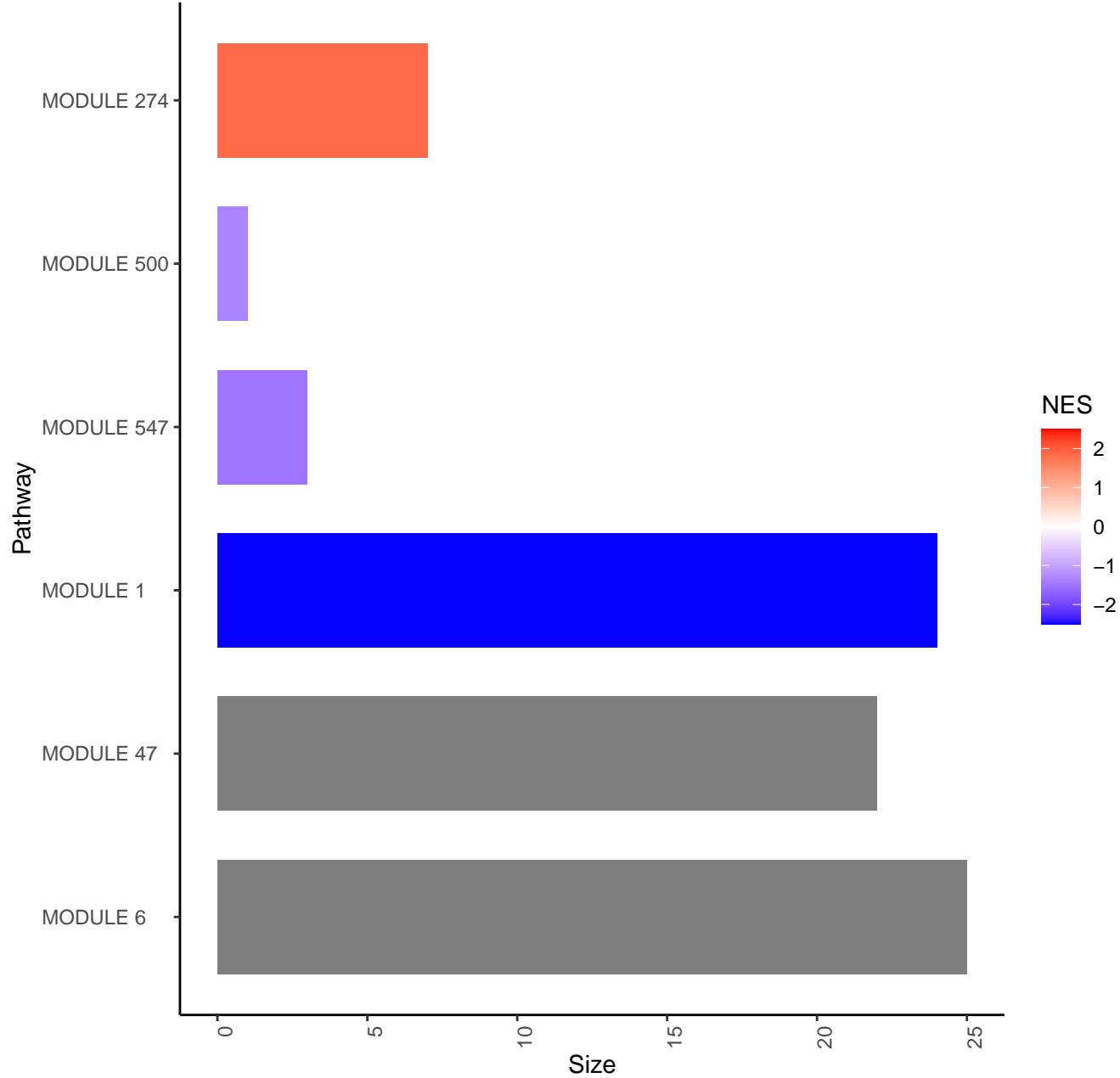
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Size

NES



C4 CM for de gene



C5 GO:BP for de gene

Pathway

GOBP NEUROTRANSMITTER
SECRETION

GOBP POTASSIUM ION
TRANSPORT

GOBP MYOTUBE
DIFFERENTIATION

GOBP LEUKOCYTE
MEDIATED IMMUNITY

GOBP LYMPHOCYTE
MEDIATED IMMUNITY

GOBP ADAPTIVE IMMUNE
RESPONSE

0

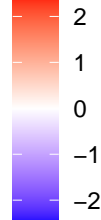
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Size
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NES



2

1

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-2

C5 GO:CC for de gene

Pathway

GOCC POTASSIUM
CHANNEL COMPLEX

GOCC SYNAPTIC
VESICLE MEMBRANE

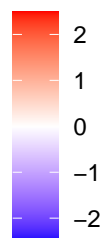
GOCC EXOCYTIC
VESICLE

GOCC EXTERNAL
ENCAPSULATING
STRUCTURE

GOCC BLOOD
MICROPARTICLE

GOCC IMMUNOGLOBULIN
COMPLEX

NES



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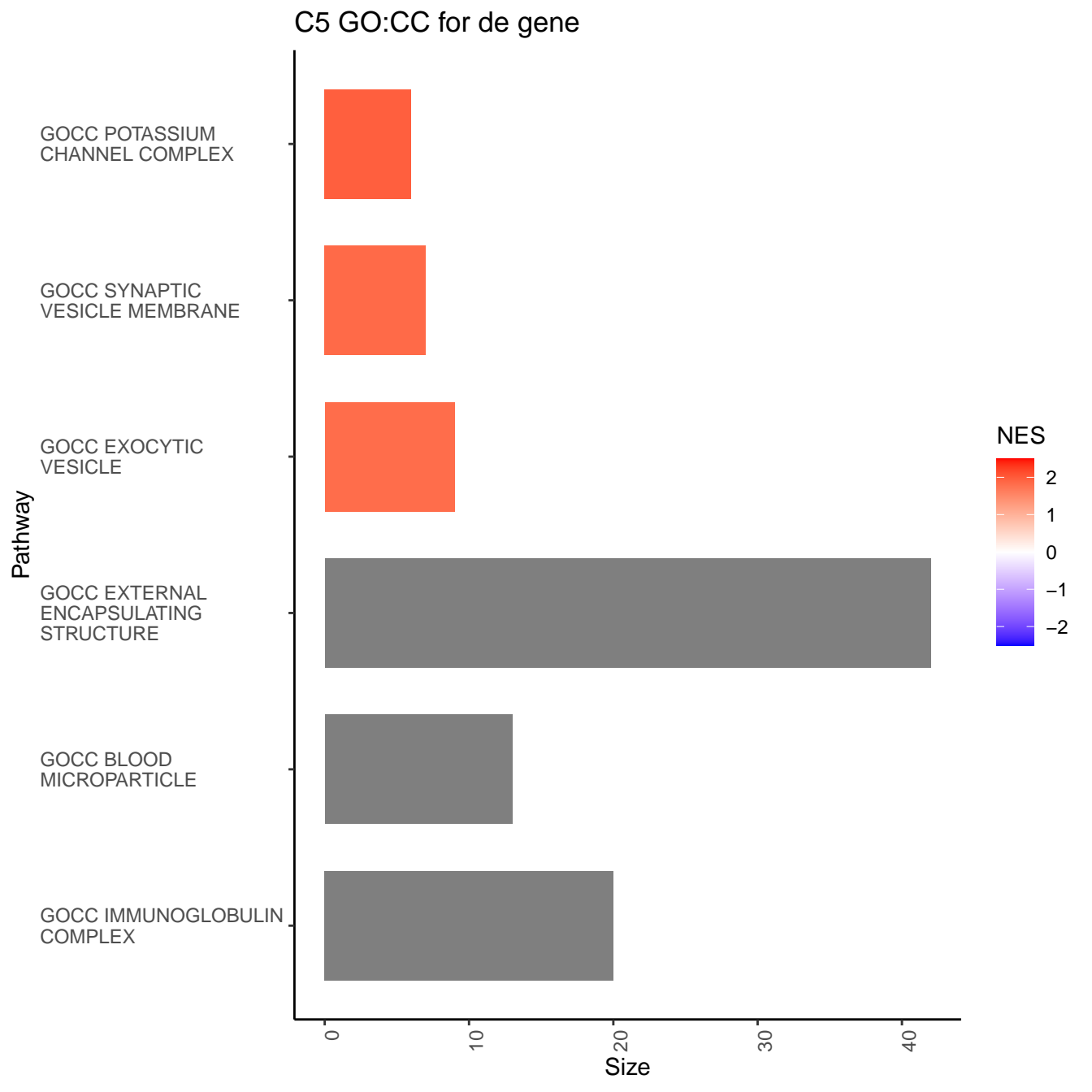
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Size

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C5 GO:MF for de gene

Pathway

GOMF POTASSIUM
ION TRANSMEMBRANE
TRANSPORTER ACTIVITY

GOMF GATED CHANNEL
ACTIVITY

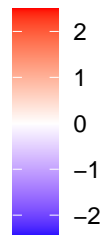
GOMF VOLTAGE GATED
MONOATOMIC CATION
CHANNEL ACTIVITY

GOMF EXTRACELLULAR
MATRIX STRUCTURAL
CONSTITUENT

GOMF IMMUNOGLOBULIN
RECEPTOR BINDING

GOMF ANTIGEN BINDING

NES



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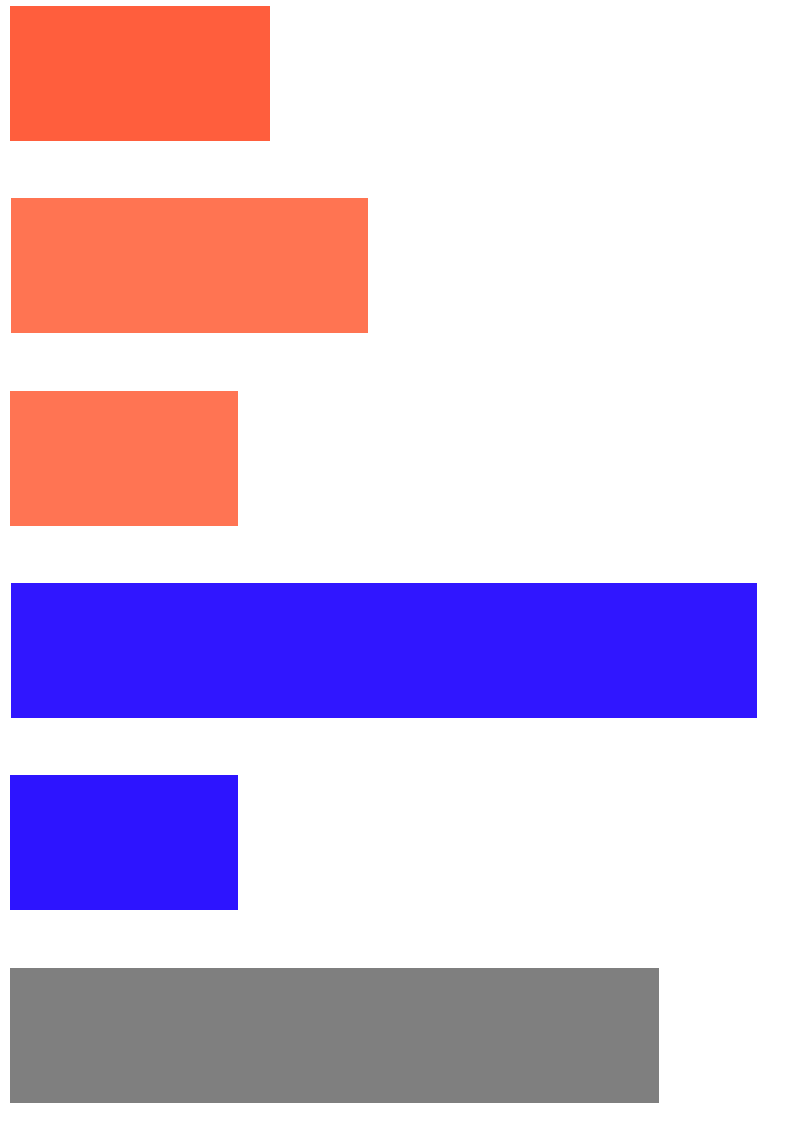
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Size



C5 HPO for de gene

Pathway

HP PALPITATIONS

HP NONCOMPACTION
CARDIOMYOPATHY

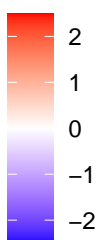
HP STEROETYPIC UPPER
EXTREMITY MOVEMENTS

HP ABNORMAL ARTERIAL
PHYSIOLOGY

HP ABNORMAL UPPER
LIMB BONE MORPHOLOGY

HP FATIGUE

NES



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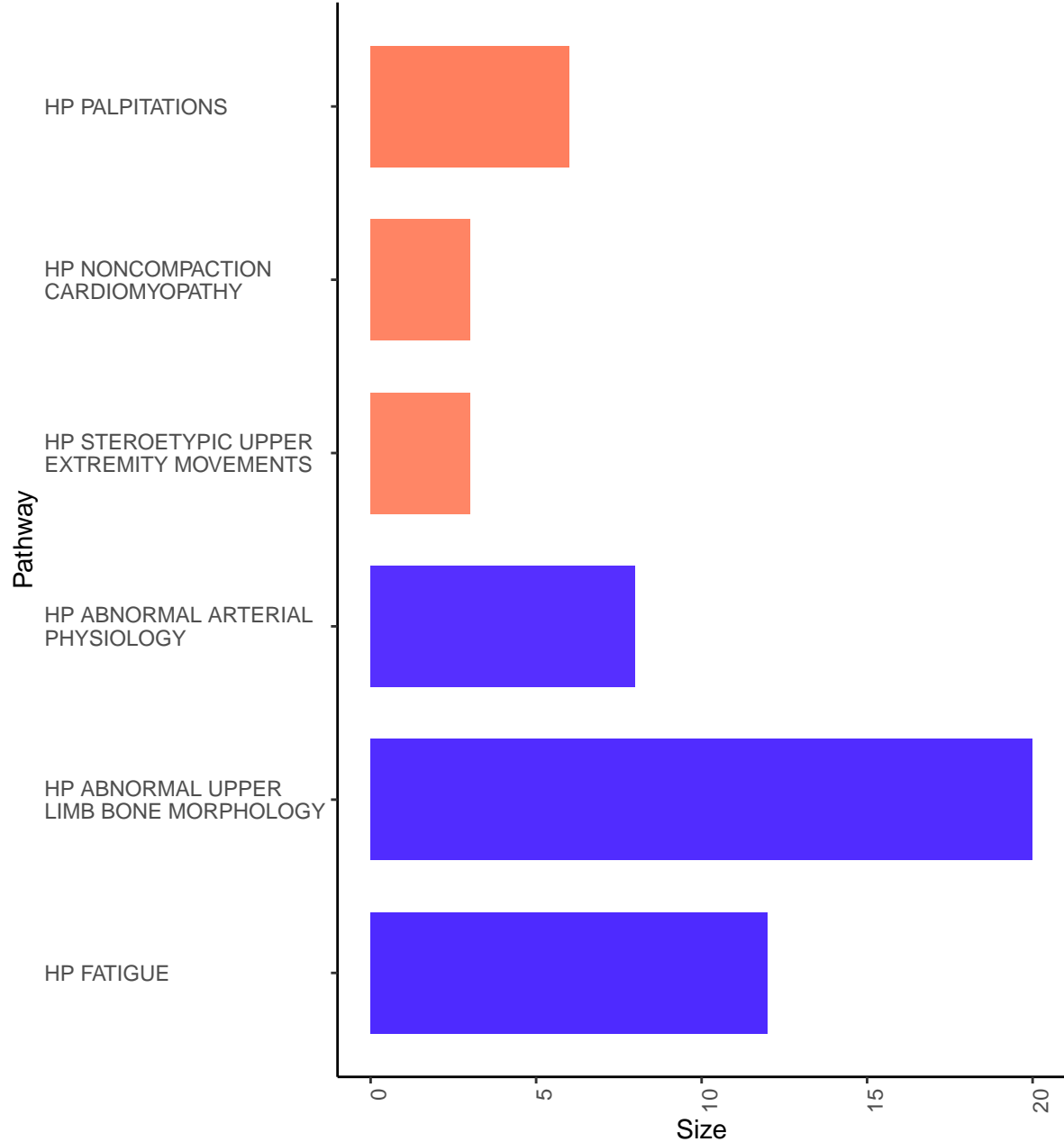
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Size

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C6 for de gene

Pathway

NOTCH DN.V1 DN

CAHOY NEURONAL

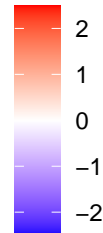
KRAS.KIDNEY UP.V1 UP

PTEN DN.V2 DN

ESC V6.5 UP EARLY.V1
DN

PGF UP.V1 DN

NES



0.0

2.5

5.0

7.5

10.0

Size

C7 IMMUNESIGDB for de gene

Pathway

GSE28737 WT VS BCL6
KO MARGINAL ZONE
BCELL UP

GSE17974 IL4
AND ANTI IL12 VS
UNTREATED 24H ACT
CD4 TCELL DN

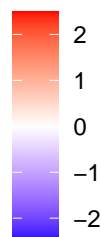
GSE2706 R848 VS LPS
2H STIM DC UP

GSE29614 CTRL VS
DAY7 TIV FLU VACCINE
PBMC DN

GSE27241 WT VS RORGT
KO TH17 POLARIZED
CD4 TCELL UP

GSE360 DC VS MAC M
TUBERCULOSIS DN

NES



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Size

C7 VAX for de gene

Pathway

LI PBMC MENACTRA
AGE 18 45YO ANTI
POLYSACCHARIDE
ANTIBODY CORRELATION
PROFILE 3DY UP

LI PBMC MENACTRA
AGE 18 45YO ANTI DT
ANTIBODY CORRELATION
PROFILE 3DY DN

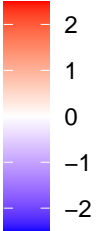
ERWIN COHEN PBMC
TC 83 AGE 18 45YO
NAIVE NOT PREVIOUSLY
IMMUNIZED 24HR DEG
CANONICAL PATHWAY
MEMBERS UP

HOEK PBMC
INACTIVATED
INFLUENZA ADULT 7DY
UP

NAKAYA PBMC FLUARIX
FLUVIRIN AGE 18 50YO
CORRELATED WITH HAI
28DY RESPONSE AT 7DY
POSITIVE

NAKAYA PBMC FLUARIX
FLUVIRIN AGE 18 50YO
7DY UP

NES



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Size

C8 for de gene

Pathway

LAKE ADULT KIDNEY
C20 COLLECTING DUCT
INTERCALATED CELLS
TYPE A CORTEX

DESCARTES FETAL
INTESTINE INTESTINAL
EPITHELIAL CELLS

FAN EMBRYONIC CTX
ASTROCYTE 2

DESCARTES FETAL
KIDNEY STROMAL CELLS

DESCARTES FETAL EYE
STROMAL CELLS

HAY BONE MARROW
PLASMA CELL

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Size

NES

