

# H for de gene

Pathway

HALLMARK INTERFERON  
GAMMA RESPONSE

HALLMARK ALLOGRAFT  
REJECTION

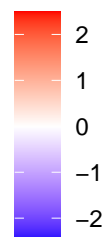
HALLMARK INTERFERON  
ALPHA RESPONSE

HALLMARK MITOTIC  
SPINDLE

HALLMARK E2F TARGETS

HALLMARK G2M  
CHECKPOINT

NES



0

10

20

30

40

50

Size

# C2 CGP for de gene

Pathway

LEIN OLIGODENDROCYTE  
MARKERS

ASTON MAJOR  
DEPRESSIVE DISORDER  
DN

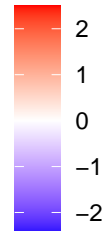
BLANCO MELO COVID19  
SARS COV 2 POS  
PATIENT LUNG TISSUE  
UP

FISCHER DREAM  
TARGETS

MEBARKI HCC  
PROGENITOR FZD8CRD  
UP

GOBERT  
OLIGODENDROCYTE  
DIFFERENTIATION UP

NES



0

50

100

150

Size

## C2 CP:BIOCARTA for de gene

Pathway

BIOCARTA CB1R  
PATHWAY

BIOCARTA ERYTH  
PATHWAY

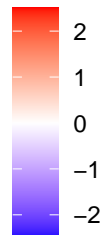
BIOCARTA ARENRF2  
PATHWAY

BIOCARTA G2 PATHWAY

BIOCARTA RANMS  
PATHWAY

BIOCARTA RB PATHWAY

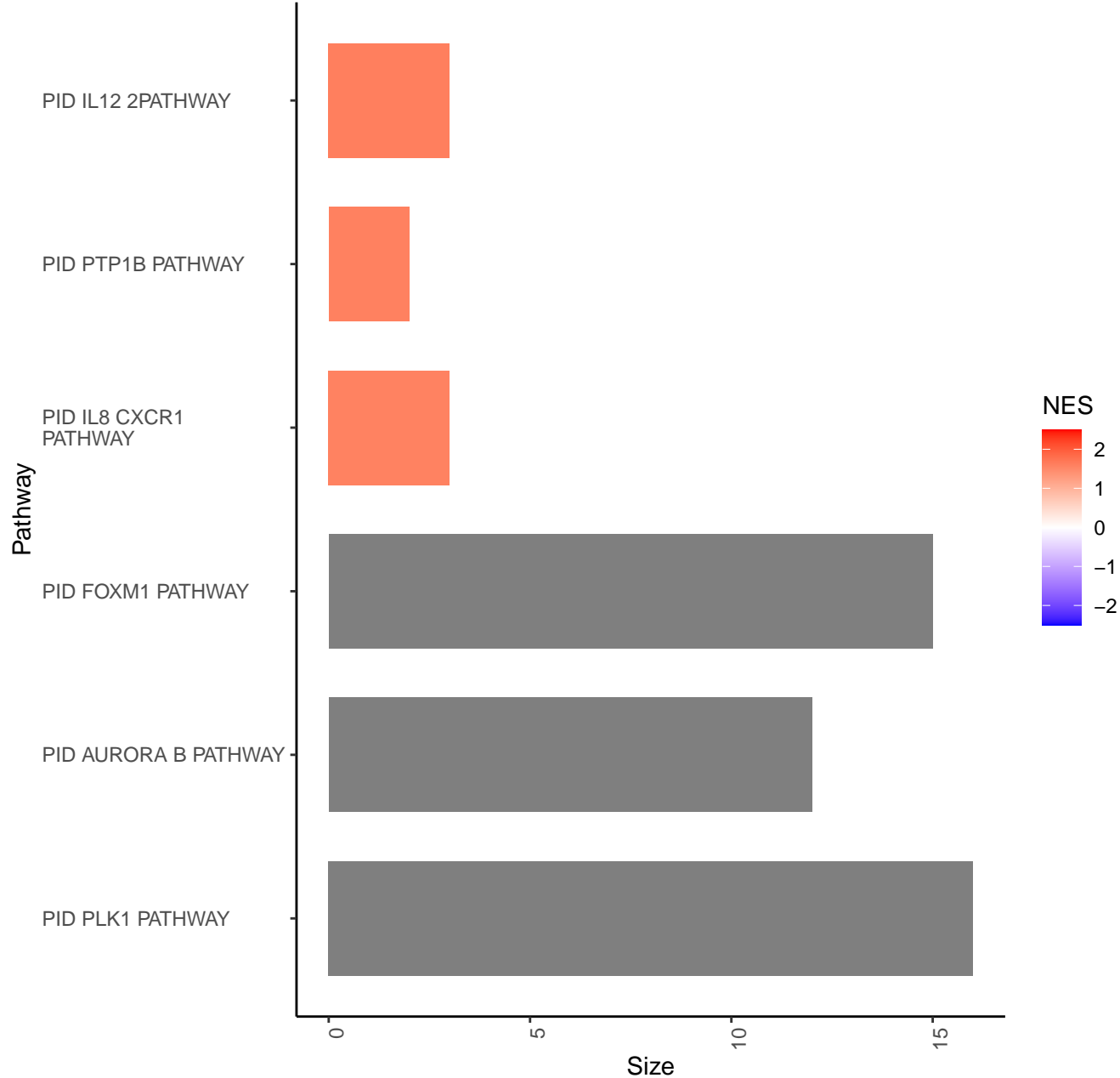
NES



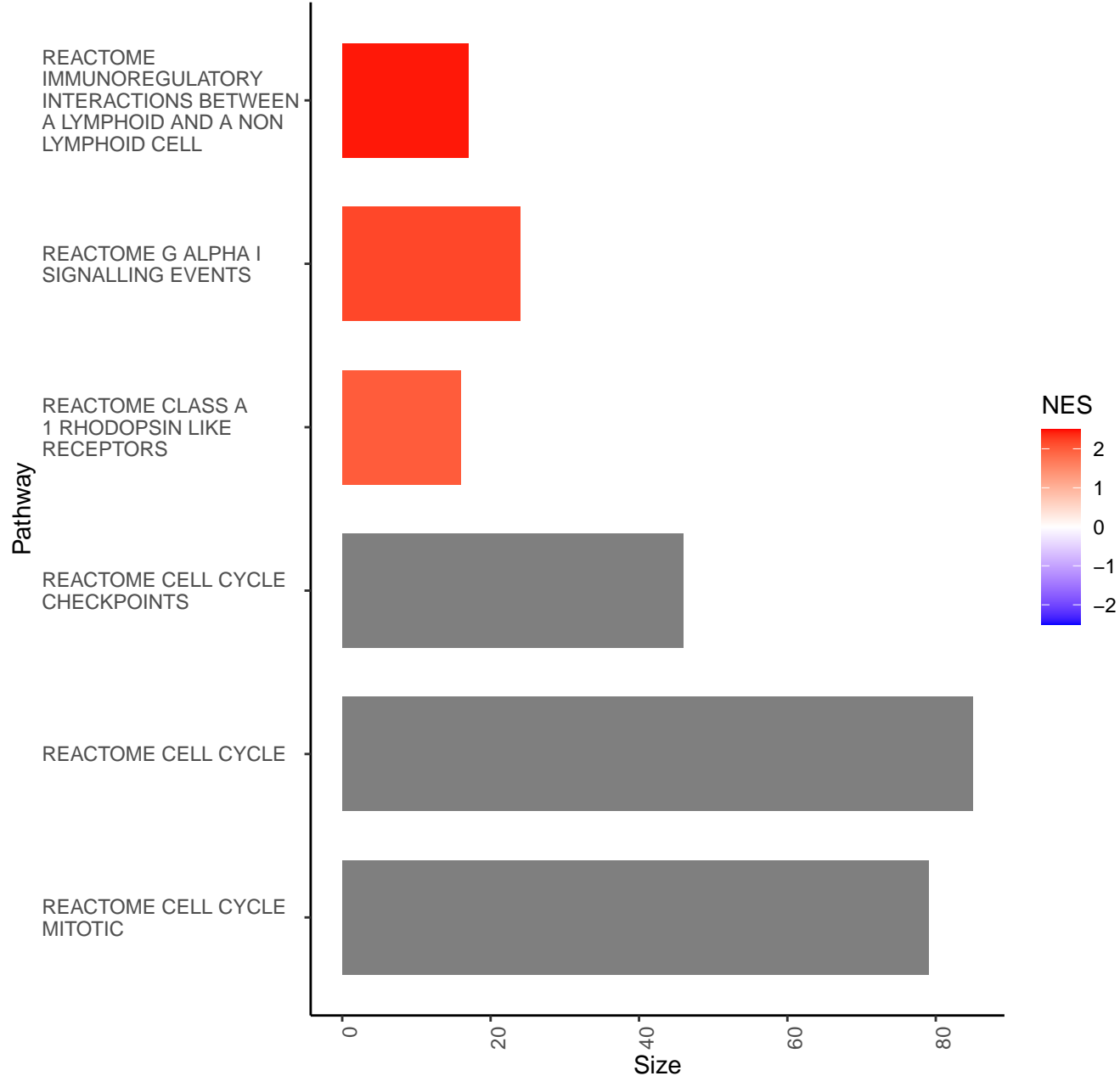
Size

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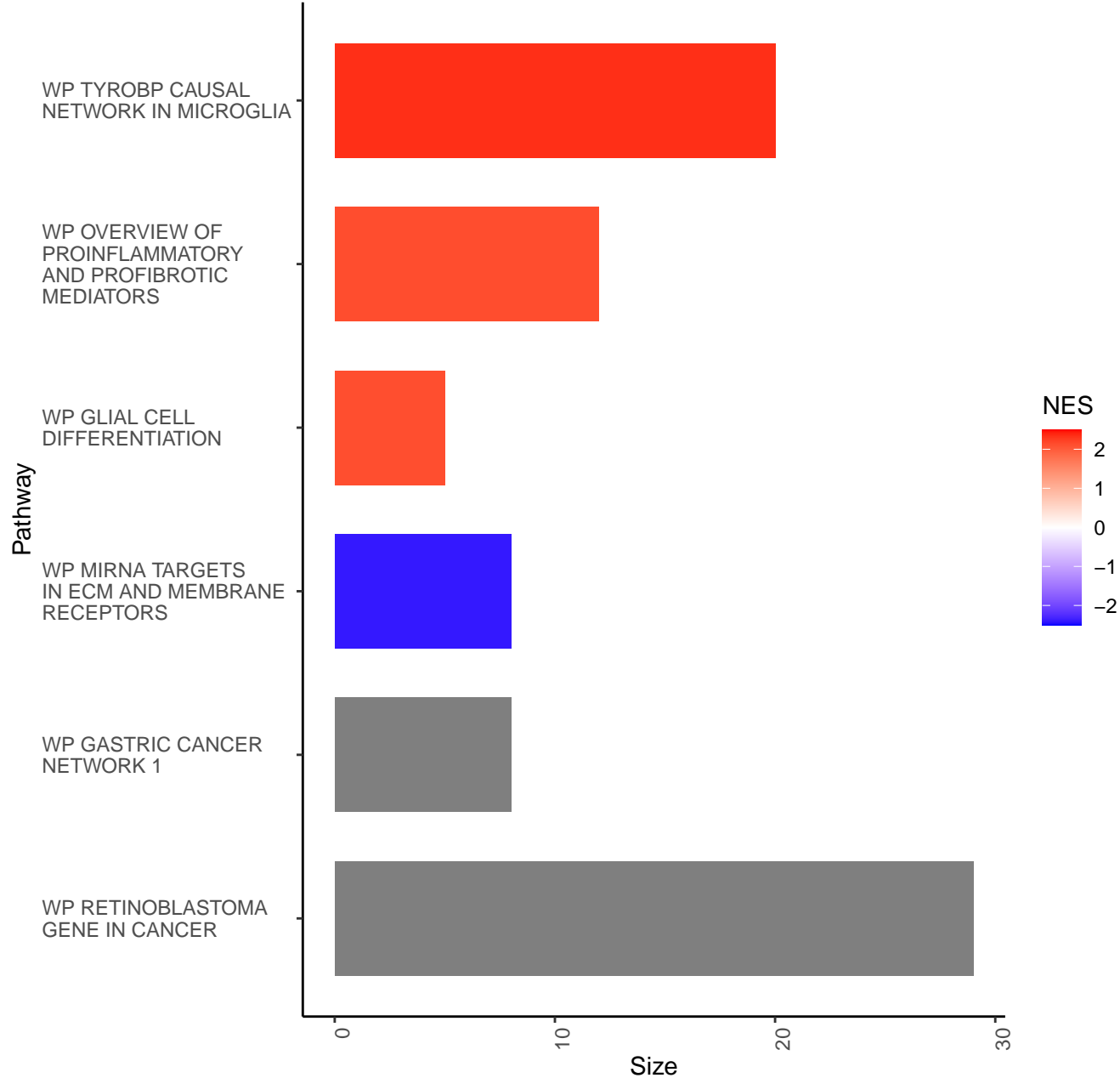
## C2 CP:PID for de gene



## C2 CP:REACTOME for de gene



## C2 CP:WIKIPATHWAYS for de gene



# C3 MIR:MIRDB for de gene

Pathway

MIR6879 3P

MIR4329

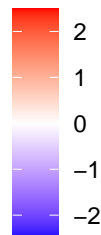
MIR134 5P

MIR4663

MIR7162 3P

MIR1301 3P MIR5047

NES



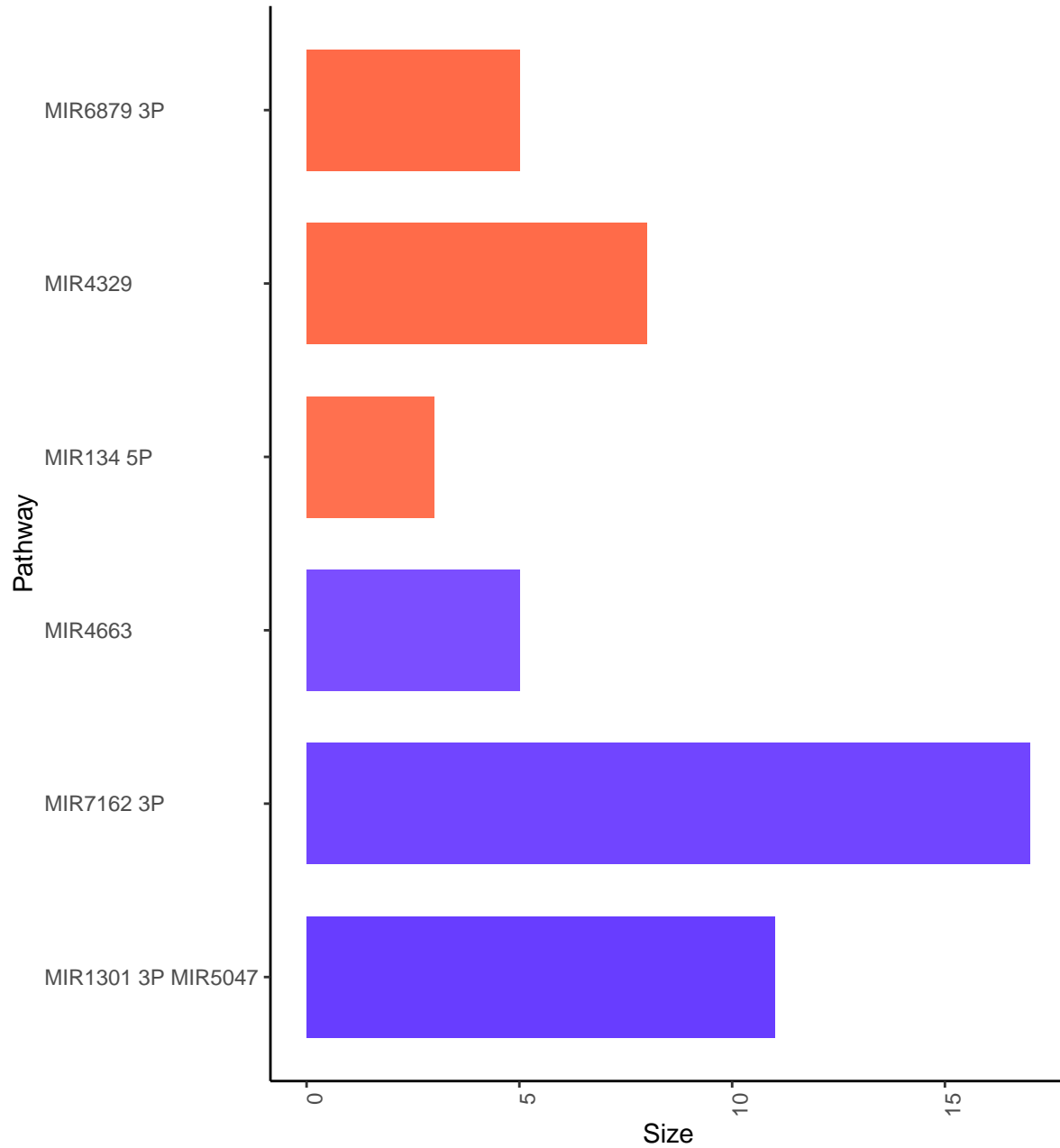
0

5

10

15

Size



# C3 TFT:GTRD for de gene

Pathway

TFAM TARGET GENES

RPA1 TARGET GENES

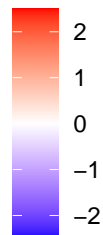
SMCHD1 TARGET GENES

BARX2 TARGET GENES

BARX1 TARGET GENES

HSD17B8 TARGET GENES

NES

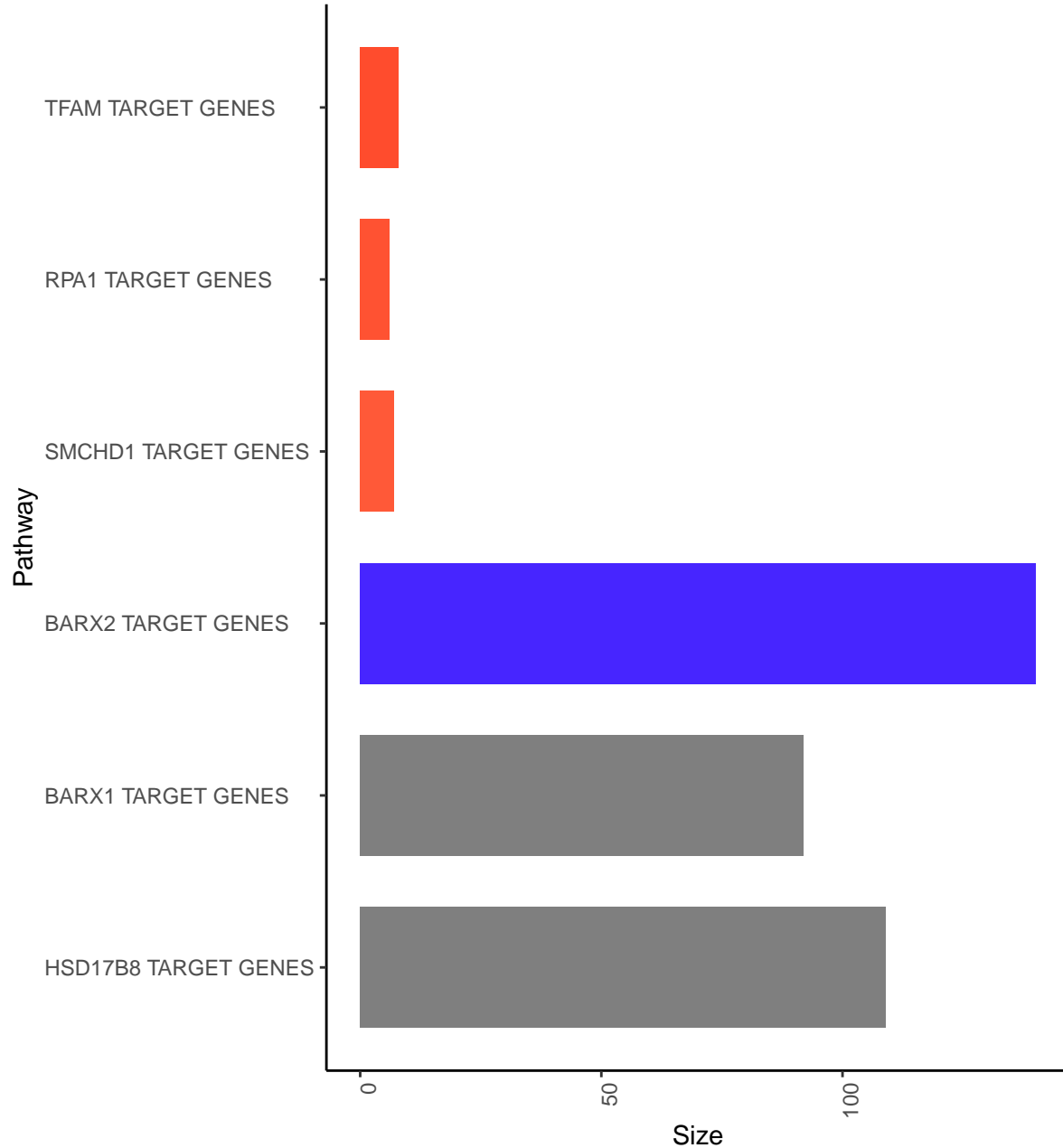


0

50

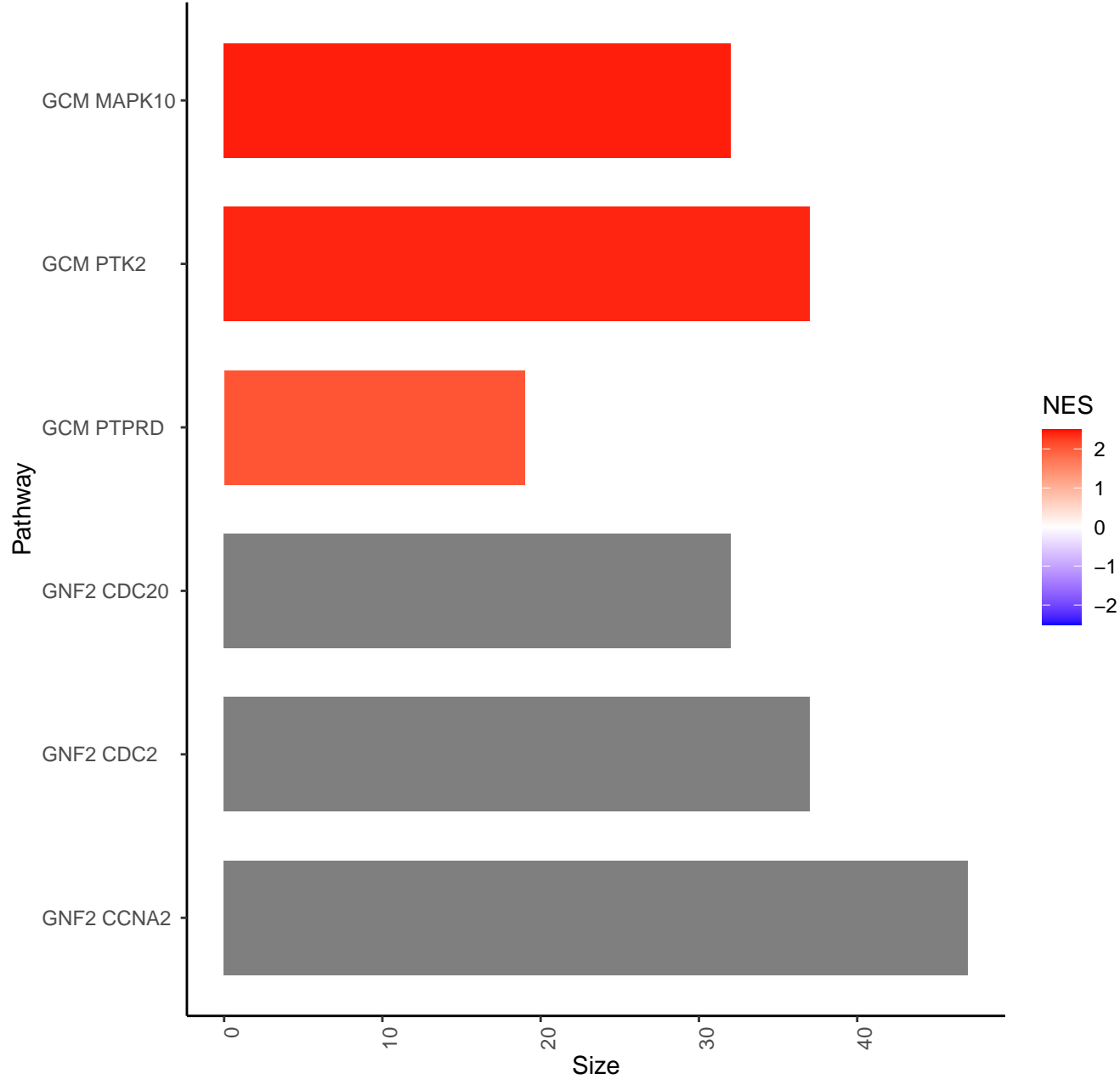
100

Size

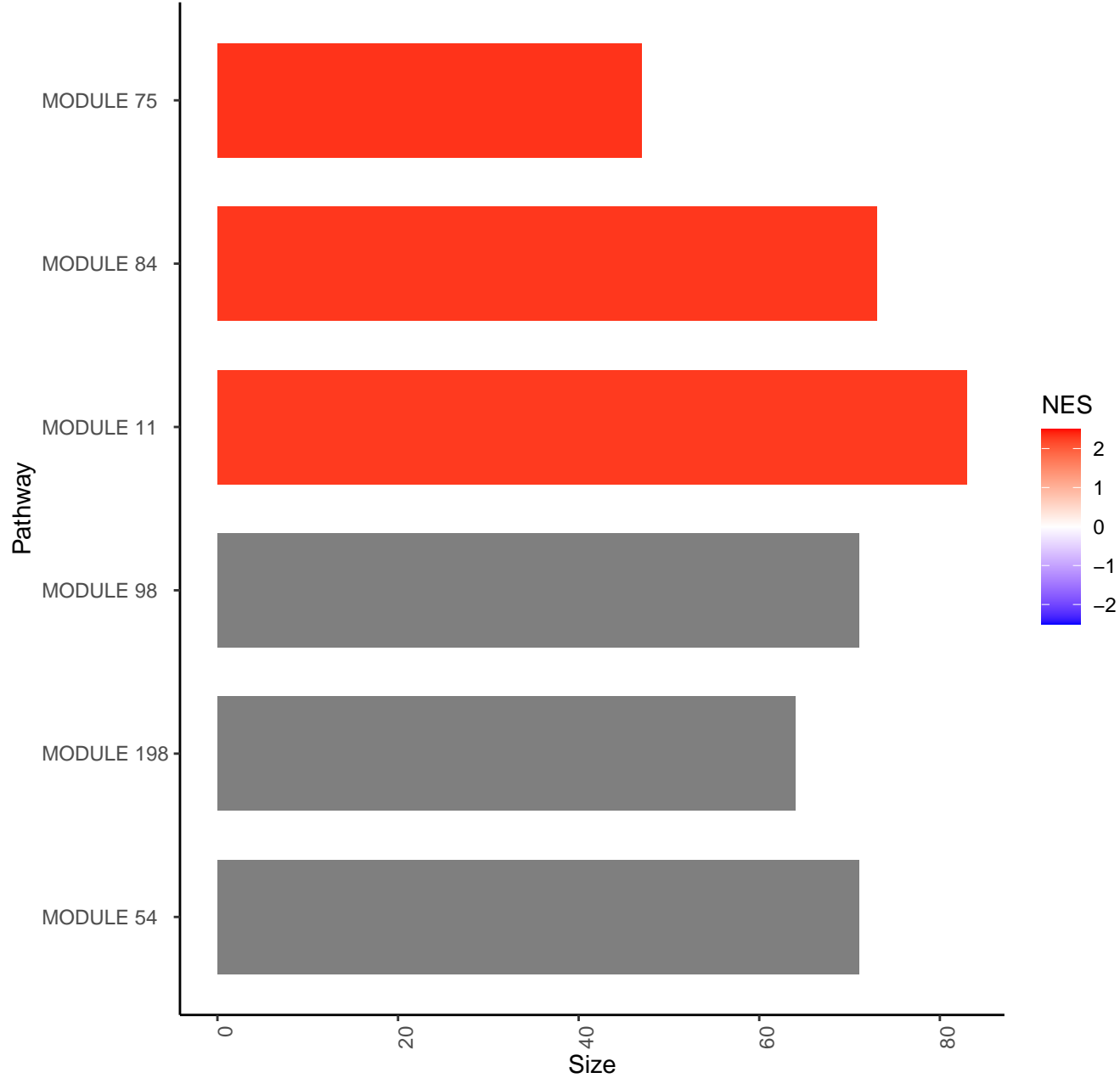




# C4 CGN for de gene



# C4 CM for de gene



# C5 GO:BP for de gene

Pathway

GOBP ENSHEATHMENT OF  
NEURONS

GOBP AXON  
ENSHEATHMENT IN  
CENTRAL NERVOUS  
SYSTEM

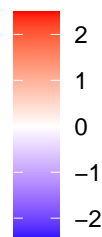
GOBP OLIGODENDROCYTE  
DEVELOPMENT

GOBP MITOTIC  
SISTER CHROMATID  
SEGREGATION

GOBP NUCLEAR  
CHROMOSOME  
SEGREGATION

GOBP CHROMOSOME  
SEGREGATION

NES



Size

0 10 20 30 40 50

# C5 GO:CC for de gene

Pathway

GOCC MYELIN SHEATH

GOCC AXON

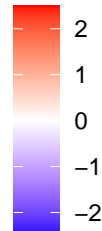
GOCC ENDOSOME  
MEMBRANE

GOCC CHROMATIN

GOCC CHROMOSOME  
CENTROMERIC REGION

GOCC CHROMOSOME

NES



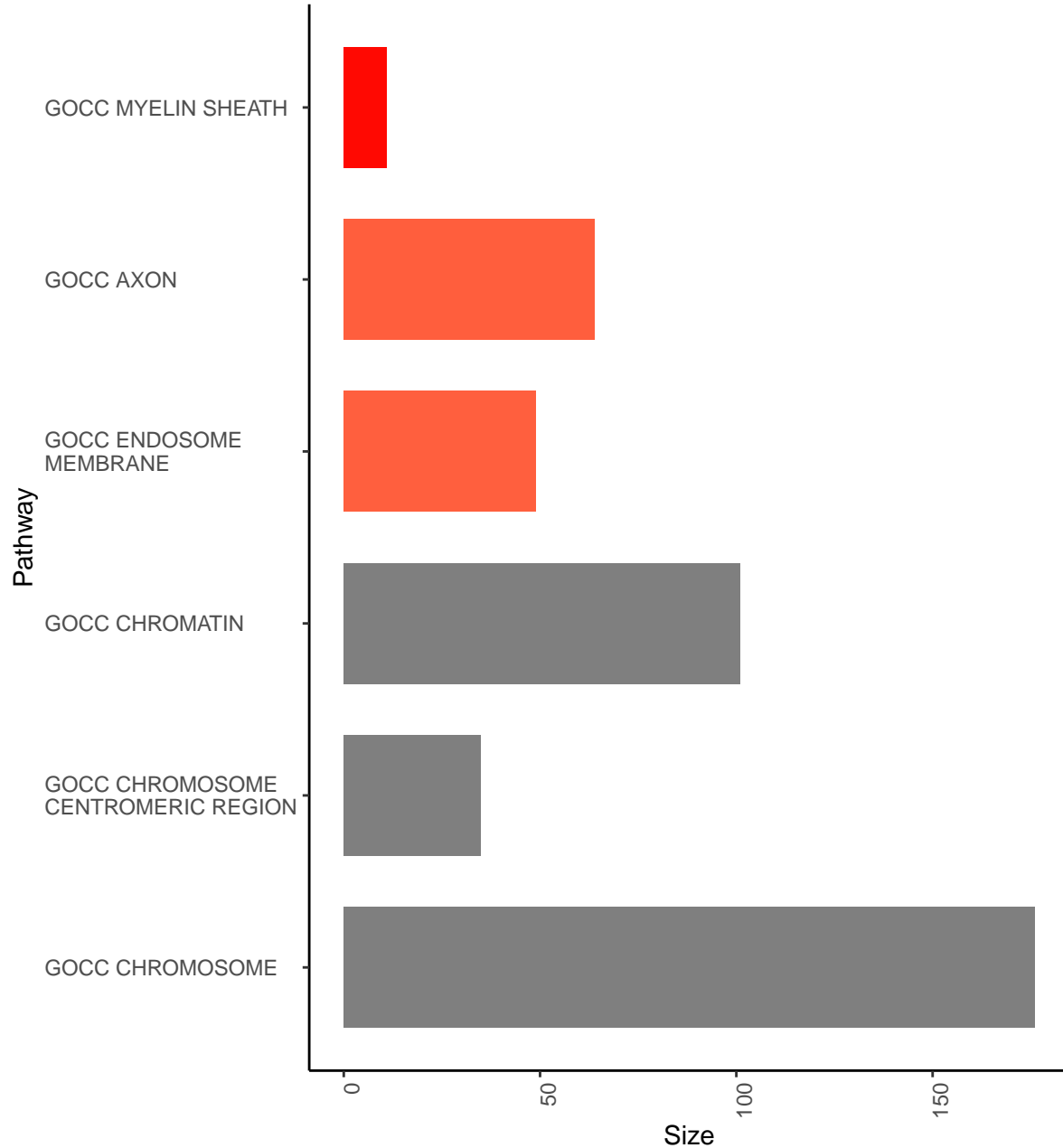
0

50

100

150

Size



# C5 GO:MF for de gene

Pathway

GOMF CYTOKINE  
ACTIVITY

GOMF LIPID BINDING

GOMF PHOSPHORIC  
DIESTER HYDROLASE  
ACTIVITY

GOMF DNA BINDING  
TRANSCRIPTION FACTOR  
ACTIVITY

GOMF SEQUENCE  
SPECIFIC DNA BINDING

GOMF TRANSCRIPTION  
REGULATOR ACTIVITY

0

50

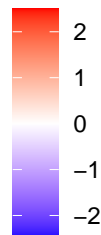
100

150

200

Size

NES



2

1

0

-1

-2

# C5 HPO for de gene

Pathway

HP CNS  
HYPOMYELINATION

HP PROGRESSIVE  
SPASTICITY

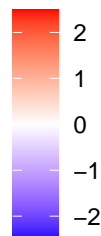
HP CLUMSINESS

HP ABNORMAL FORM OF  
THE VERTEBRAL BODIES

HP INTRAUTERINE  
GROWTH RETARDATION

HP ABNORMAL  
VERTEBRAL MORPHOLOGY

NES



0

20

40

60

Size



# C6 for de gene

Pathway

CAHOY  
OLIGODENDROCYTIC

CYCLIN D1 KE .V1 DN

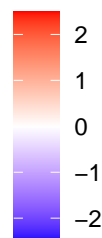
IL21 UP.V1 UP

VEGF A UP.V1 DN

GCNP SHH UP LATE.V1  
UP

RPS14 DN.V1 DN

NES



0

10

20

30

Size

# C7 IMMUNESIGDB for de gene

Pathway

GSE43863 NAIVE VS  
LY6C INT CXCR5POS  
CD4 EFF TCELL D6  
LCMV DN

GSE3920 UNTREATED  
VS IFNA TREATED  
ENDOTHELIAL CELL UP

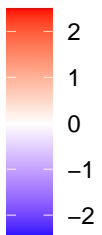
GSE14000 UNSTIM VS  
4H LPS DC DN

GSE30962 PRIMARY VS  
SECONDARY ACUTE LCMV  
INF CD8 TCELL UP

GSE15750 DAY6 VS  
DAY10 TRAF6KO EFF  
CD8 TCELL UP

GSE15750 DAY6 VS  
DAY10 EFF CD8 TCELL  
UP

NES



0

20

40

Size



# C7 VAX for de gene

Pathway

ZAK PBMC MRKAD5 HIV  
1 GAG POL NEF AGE 20  
50YO 1DY UP

SCHERER PBMC APSV  
WETVAX AGE 18 32YO 5  
TO 7DY UP

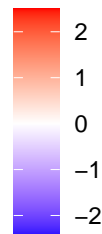
HOWARD DENDRITIC  
CELL INACT MONOV  
INFLUENZA A  
INDONESIA 05 2005  
H5N1 AGE 18 49YO 1DY  
UP

VAN DEN BIGGELAAR  
PBMC PREVNAR 9MO  
INFANT STIMULATED VS  
UNSTIMULATED 8MO UP

VAN DEN BIGGELAAR  
PBMC PREVNAR 9MO  
INFANT STIMULATED VS  
UNSTIMULATED 9MO UP

HOWARD NK CELL INACT  
MONOV INFLUENZA A  
INDONESIA 05 2005  
H5N1 AGE 18 49YO 3DY  
UP

NES



0

50

100

Size

# C8 for de gene

Pathway

FAN EMBRYONIC CTX  
OLIG

DESCARTES FETAL  
CEREBELLUM MICROGLIA

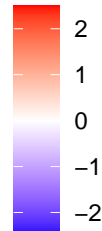
DESCARTES FETAL  
CEREBRUM MICROGLIA

FAN EMBRYONIC CTX  
NSC 2

FAN EMBRYONIC CTX  
MICROGLIA 1

ZHONG PFC C1 OPC

NES



0

50

100

150

200

250

Size