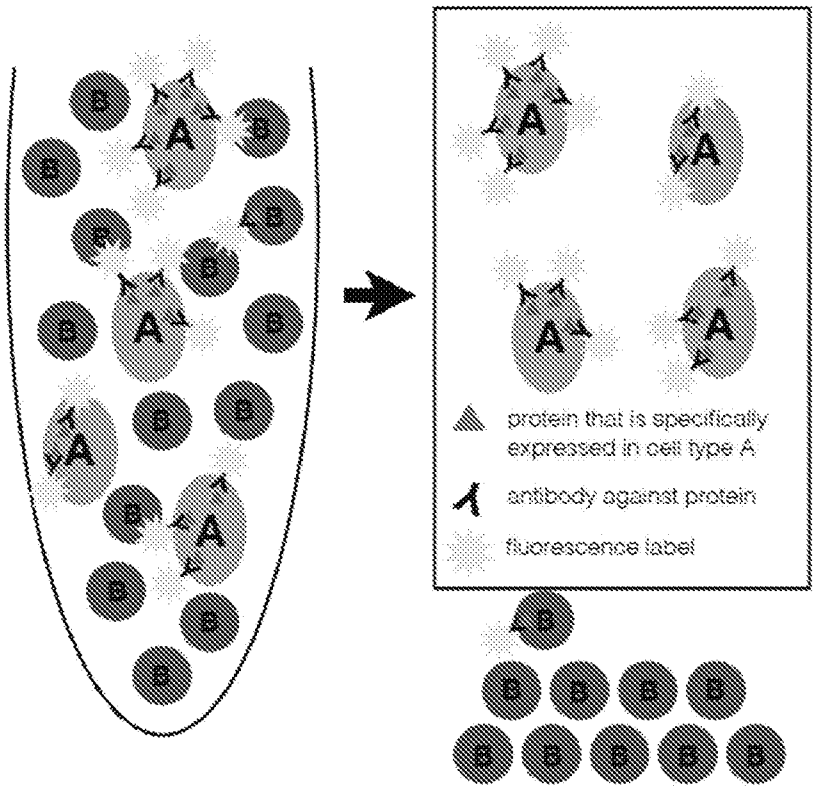
FIG. 1


protein that is specifically expressed in cell type A
antibody against protein
fluorescence label

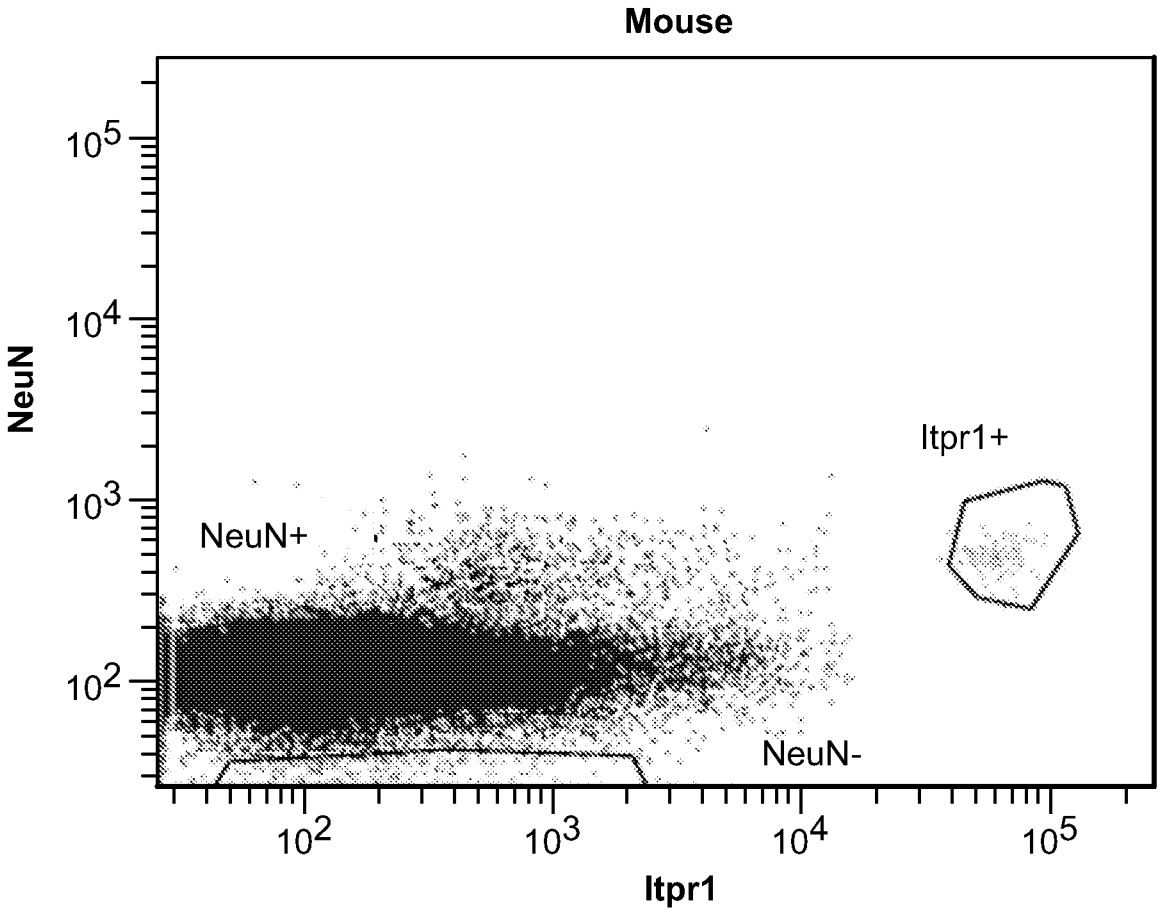
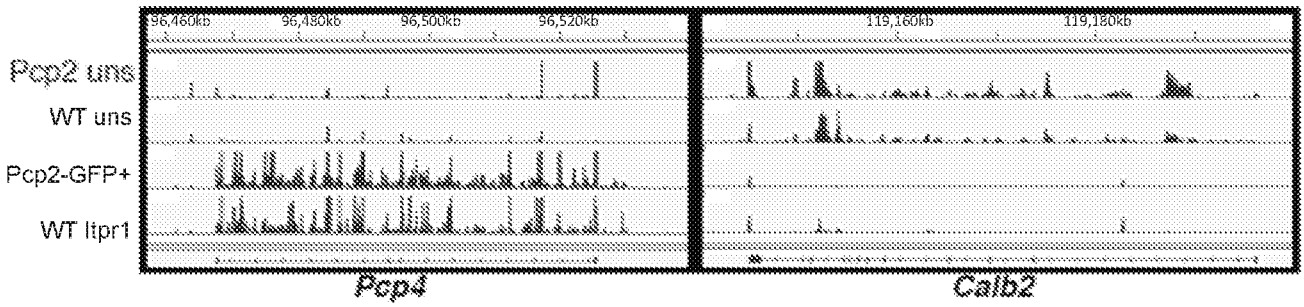


FIG. 2A

FIG. 2B


96,460kb
96,480kb
96,500kb
96,520kb
119,160kb
119,180kb
Pcp2 uns
WT uns
Pcp2-GFP+
WT Itpr1
Pcp4
Calb2

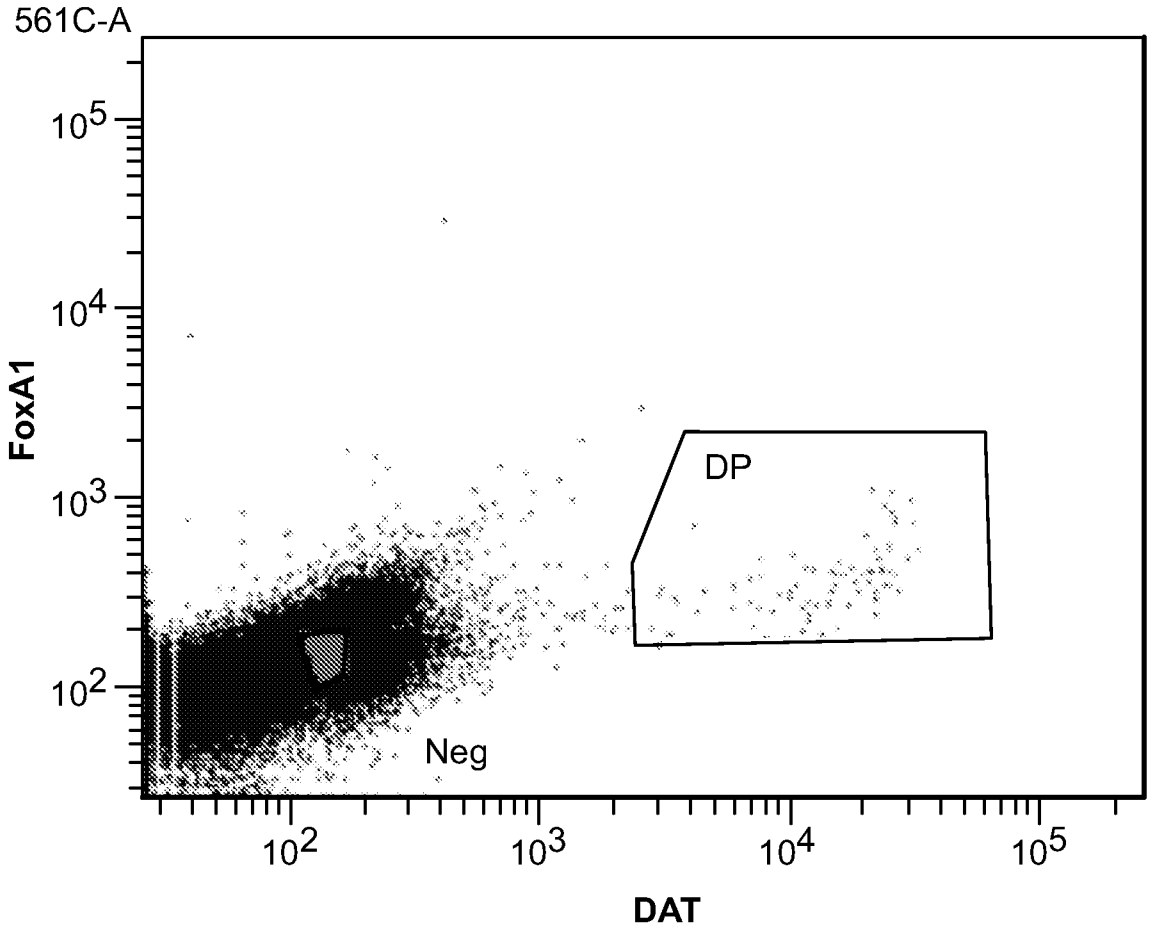


FIG. 3A

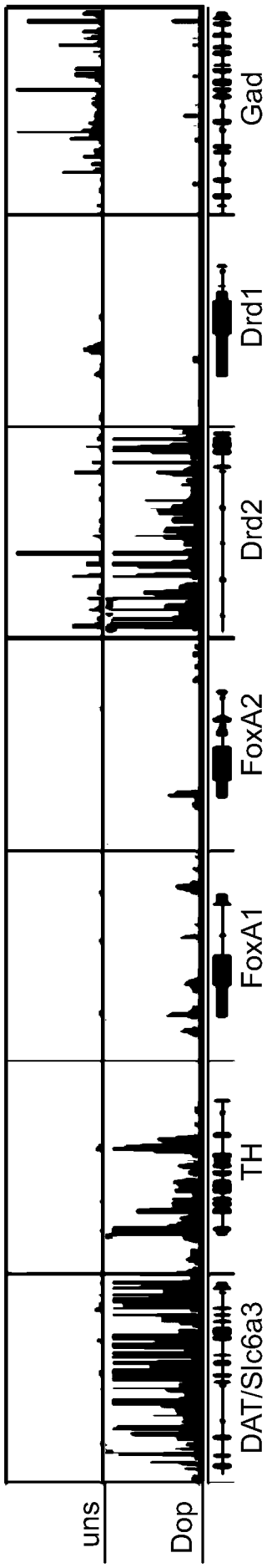
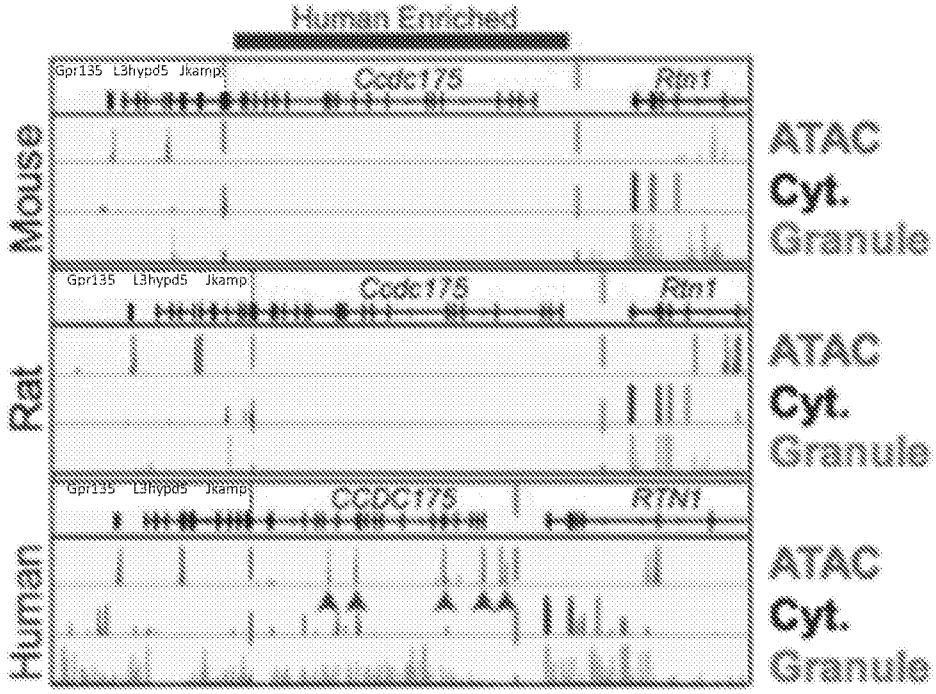


FIG. 3B

FIG. 4


Human Enriched
Gpr135 L3hypd5 Jkamp
Ccdc175
Rtn1
Mouse
ATAC
Cyt.
Granule
Gpr135 L3hypd5 Jkamp
Ccdc175
Rtn1
Rat
ATAC
Cyt.
Granule
Gpr135 L3hypd5 Jkamp
CCDC175
RTN1
Human
ATAC
Cyt.
Granule

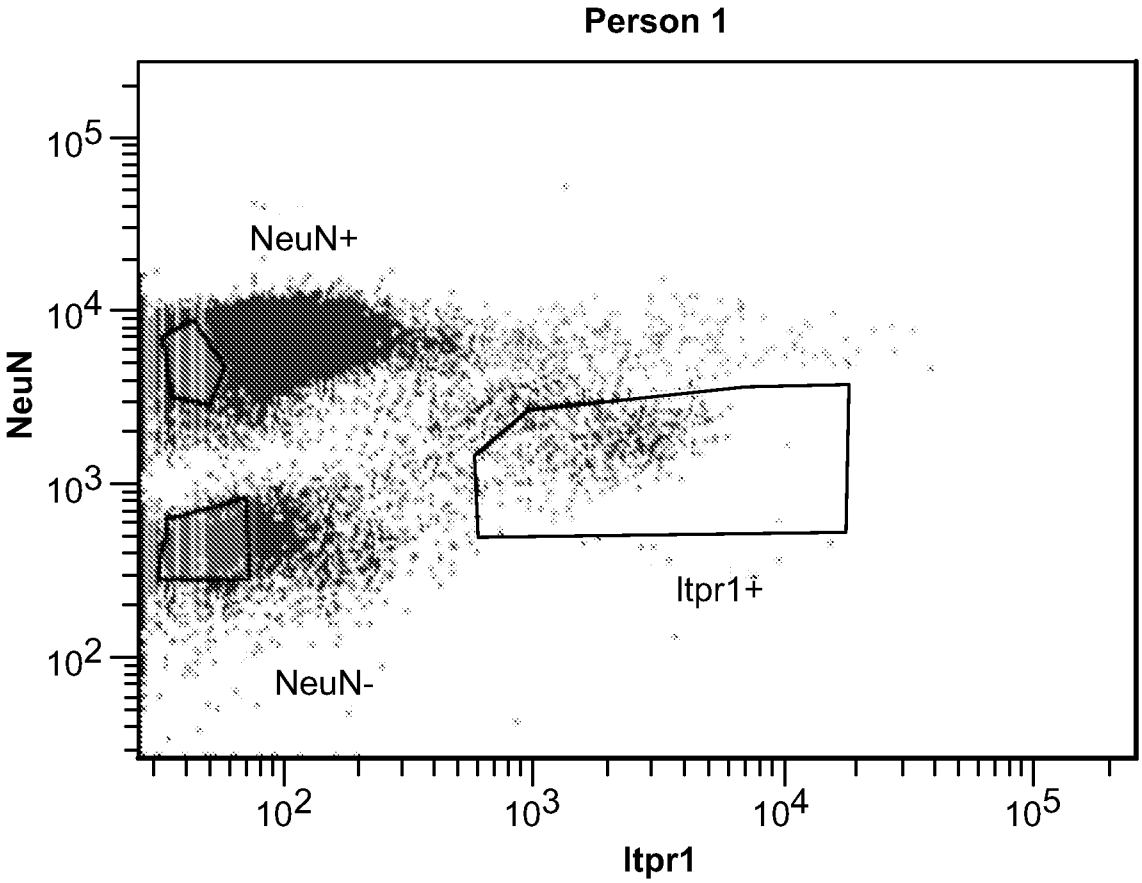


FIG. 5A

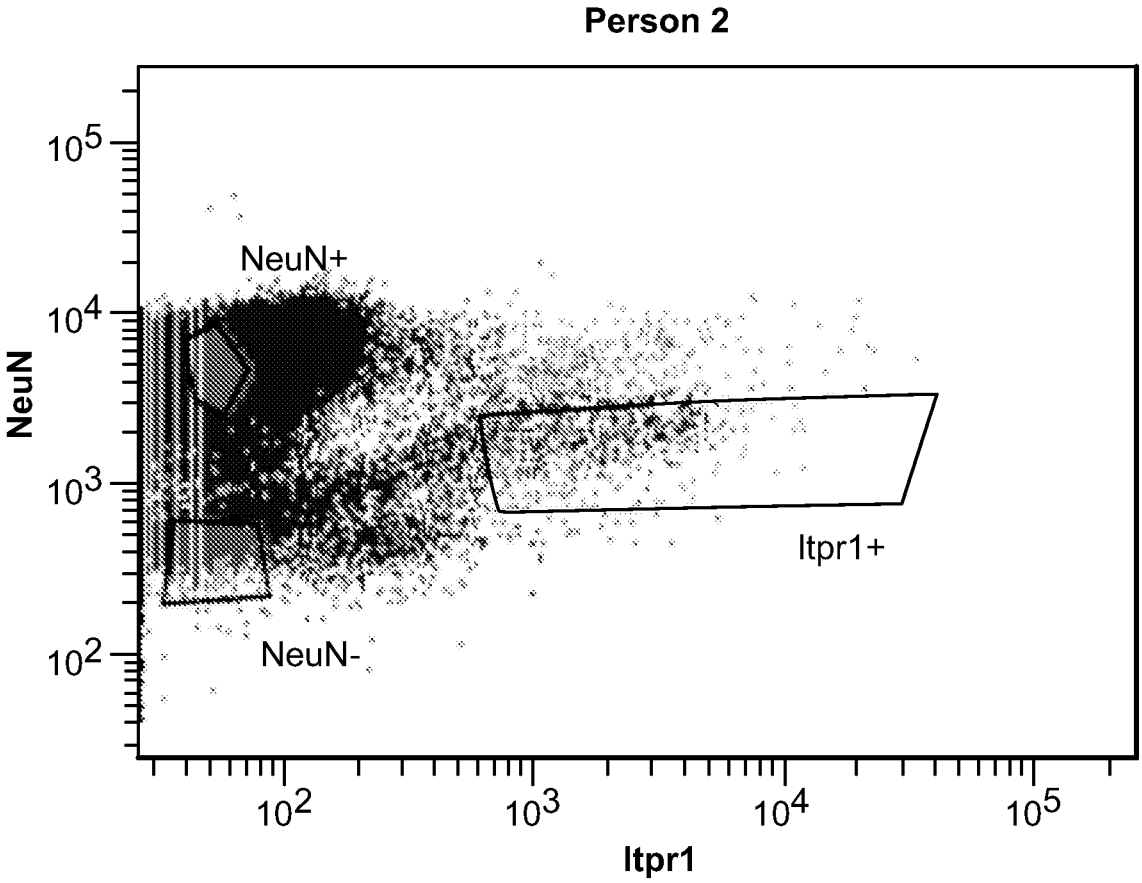


FIG. 5B

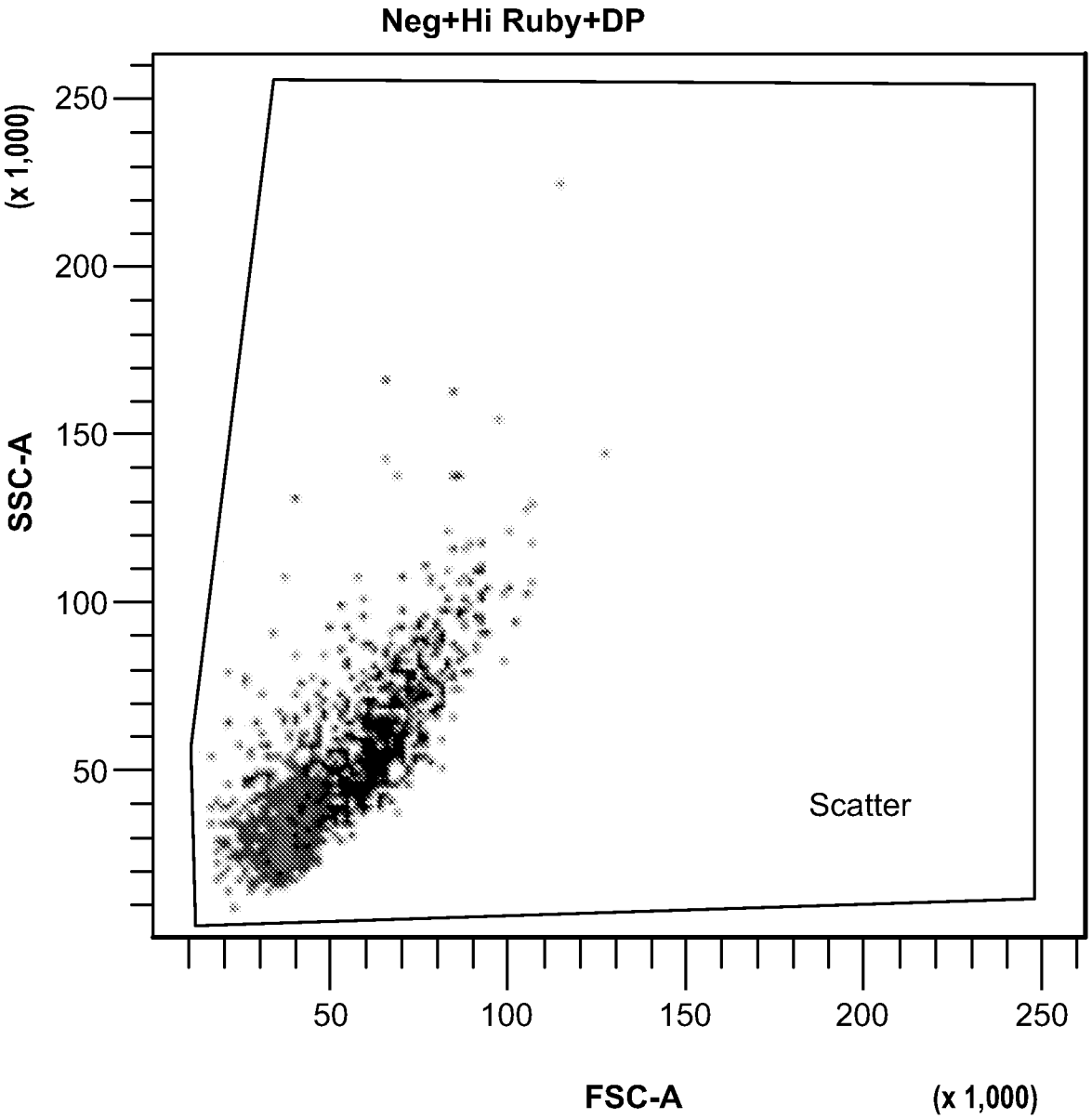

Neg+Hi Ruby+DP
SSC-A
(x 1,000)
250
200
150
100
50
Scatter
50
100
150
200
250
FSC-A
(x 1,000)

FIG. 6

FIG. 7A

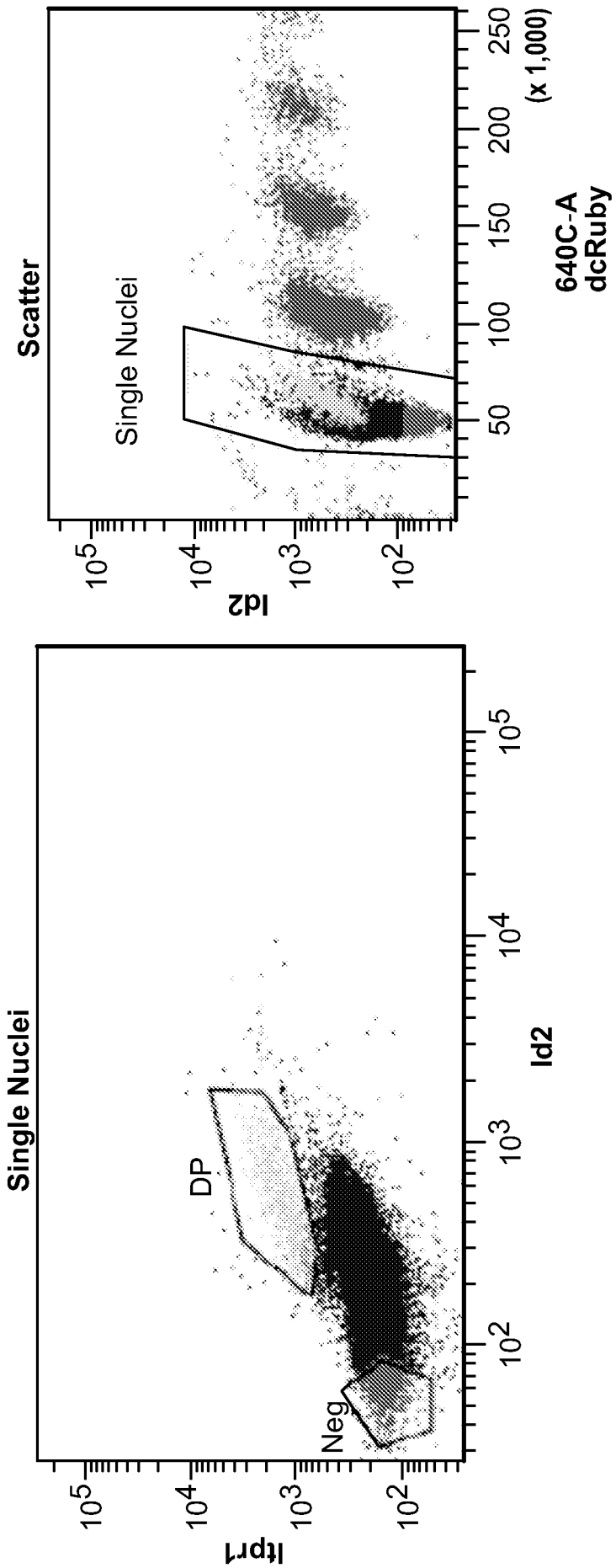
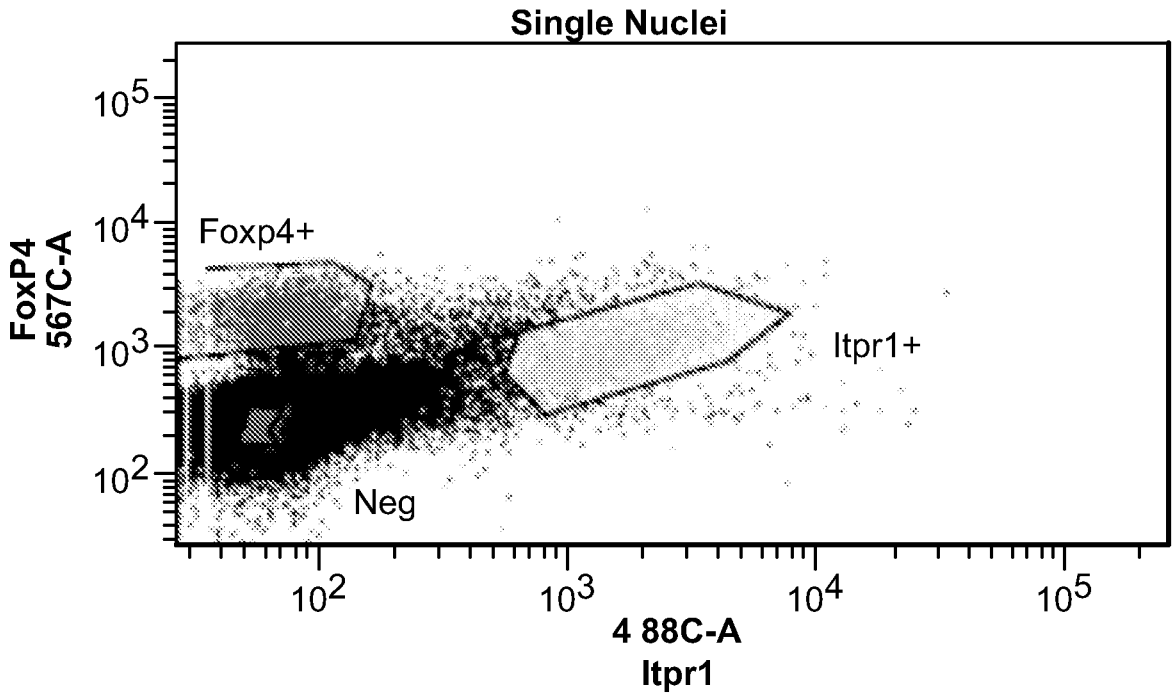

Scatter
Single Nuclei
Id2
640C-A
dcRuby
(x 1,000)
Single Nuclei
DP
Neg
Itpr1
Id2

FIG. 7B


Single Nuclei
FoxP4
567C-A
Foxp4+
Itpr1+
Neg
4 88C-A
Itpr1

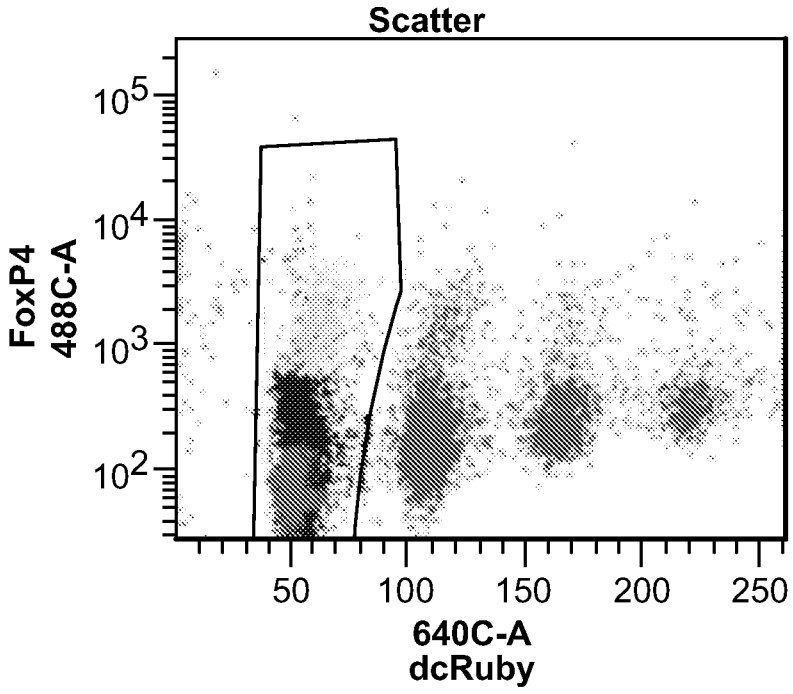

Scatter
FoxP4
488C-A
640C-A
dcRuby

FIG. 7C

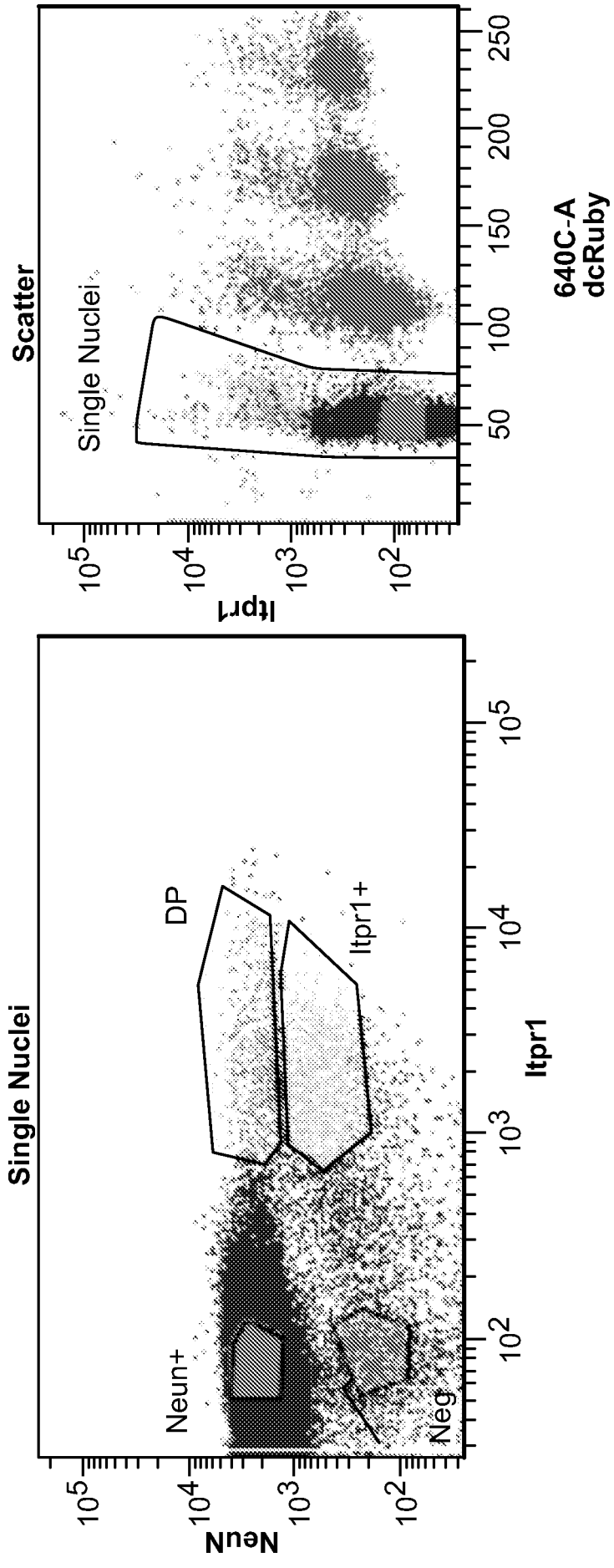

Scatter
Single Nuclei
640C-A
dcRuby
Itpr1
Single Nuclei
DP
Itpr1+
Neun+
Neg
Itpr1
NeuN

FIG. 7D

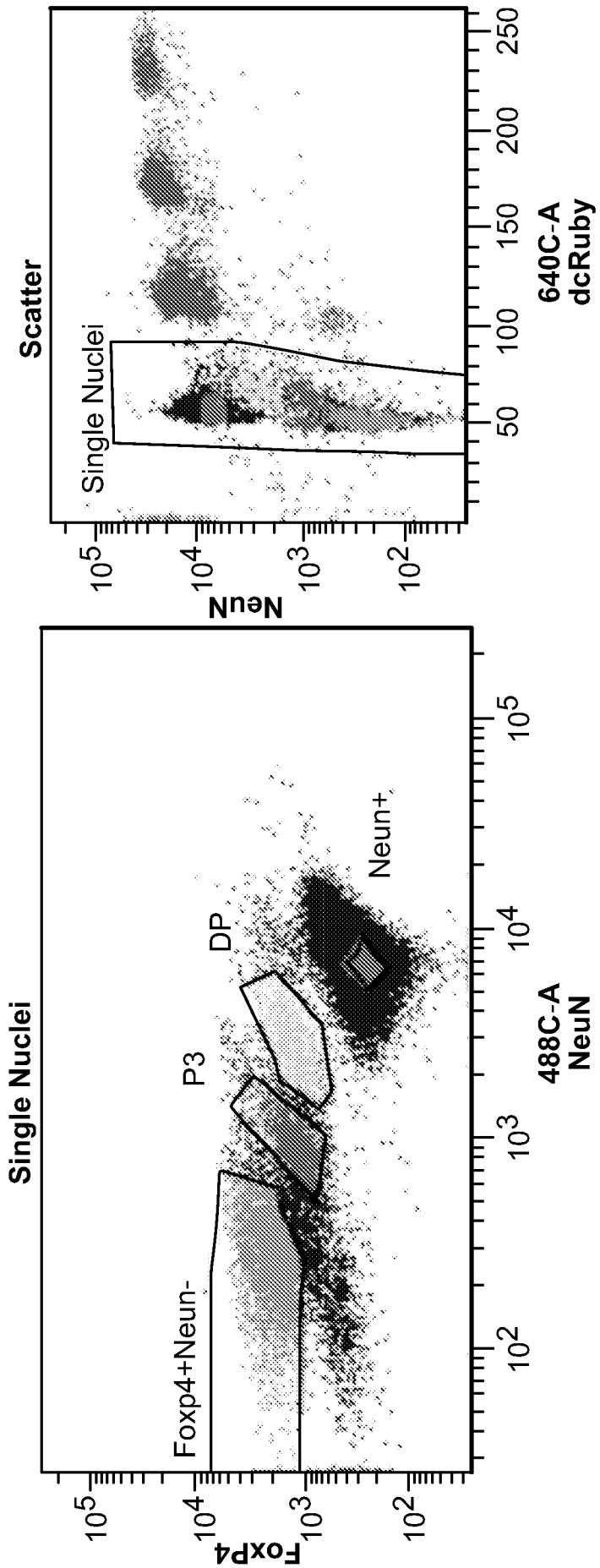

Scatter
Single Nuclei
NeuN
640C-A
dcRuby
Single Nuclei
Foxp4+Neun-
P3
DP
Neun+
FoxP4
488C-A
NeuN

FIG. 8

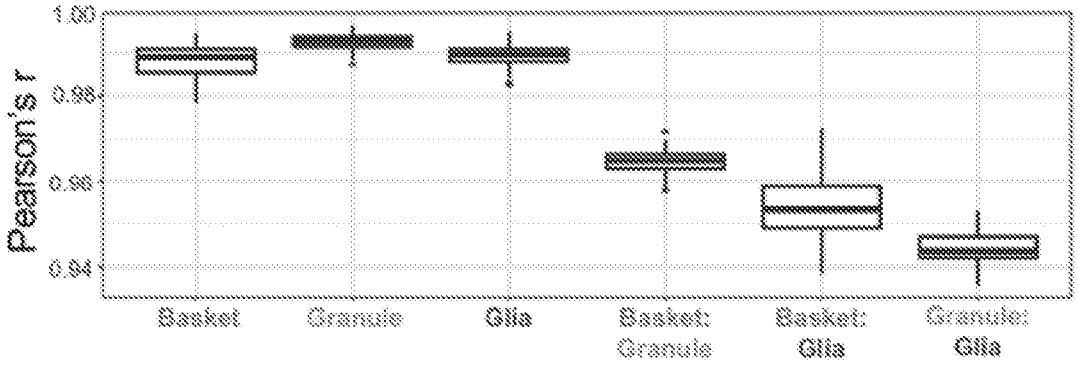

Pearson's r
1.00
0.98
0.96
0.94
Basket
Granule
Glia
Basket: Granule
Basket: Glia
Granule: Glia

FIG. 9

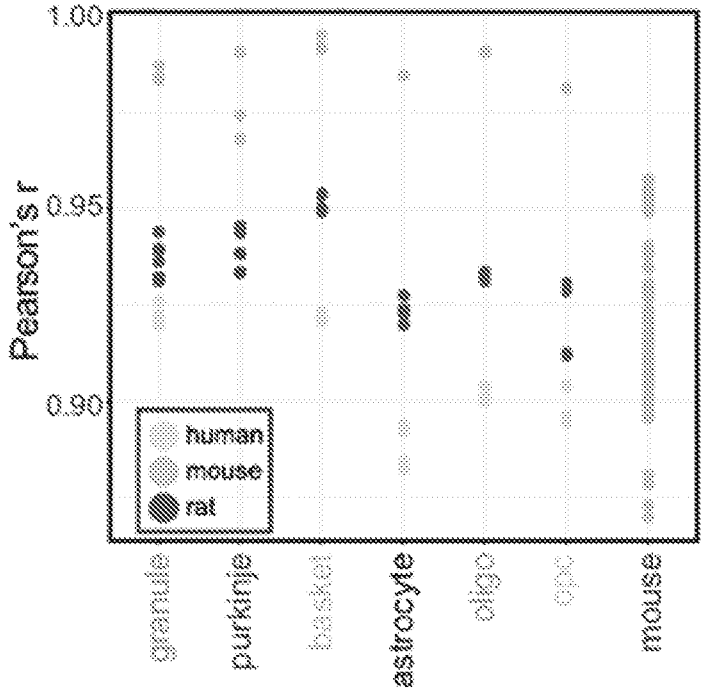

1.00
0.95
0.90
Pearson's r
human
mouse
rat
granule
purkinje
basket
astrocyte
oligo
opc
mouse

FIG. 10

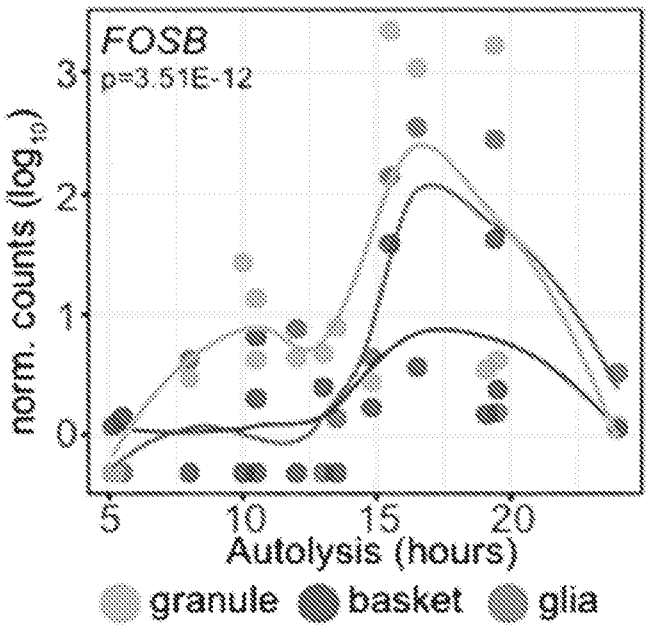

FOSB
p=3.51E-12
norm. counts (log10)
0
1
2
3
5
10
15
20
Autolysis (hours)
granule
basket
glia

FIG. 11A

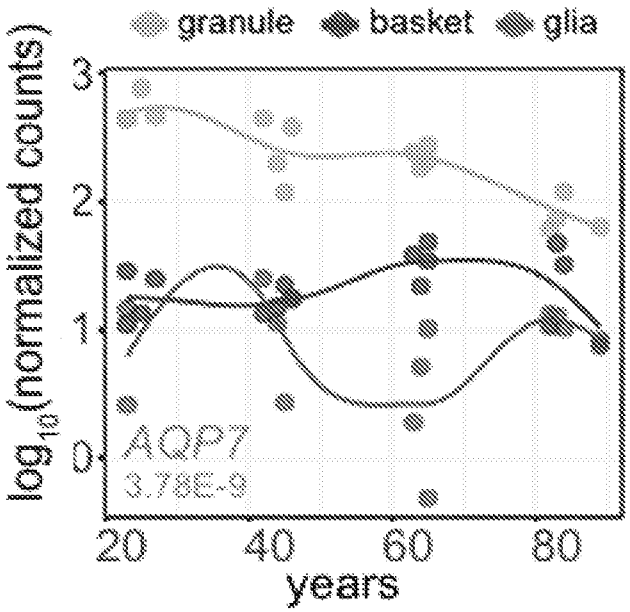

granule
basket
glia
log10(normalized counts)
3
2
1
0
AQP7
3.78E-9
20
40
60
80
years

FIG. 11B

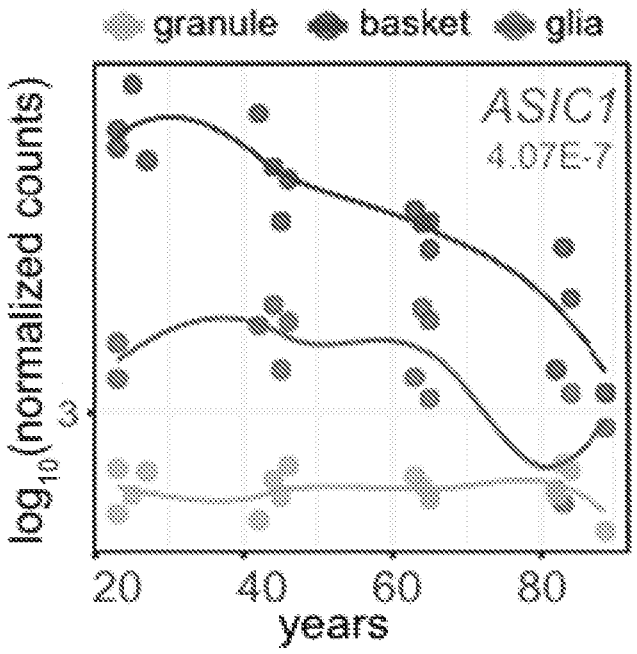

granule
basket
glia
ASIC1
4.07E-7
log10(normalized counts)
3
20
40
60
80
years

FIG. 11C

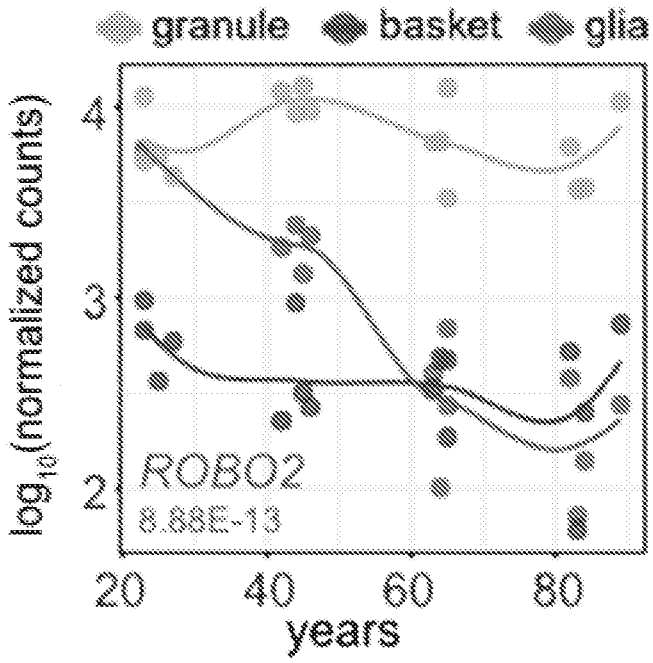

granule
basket
glia
log10(normalized counts)
4
3
2
ROBO2
8.88E-13
20
40
60
80
years

FIG. 12

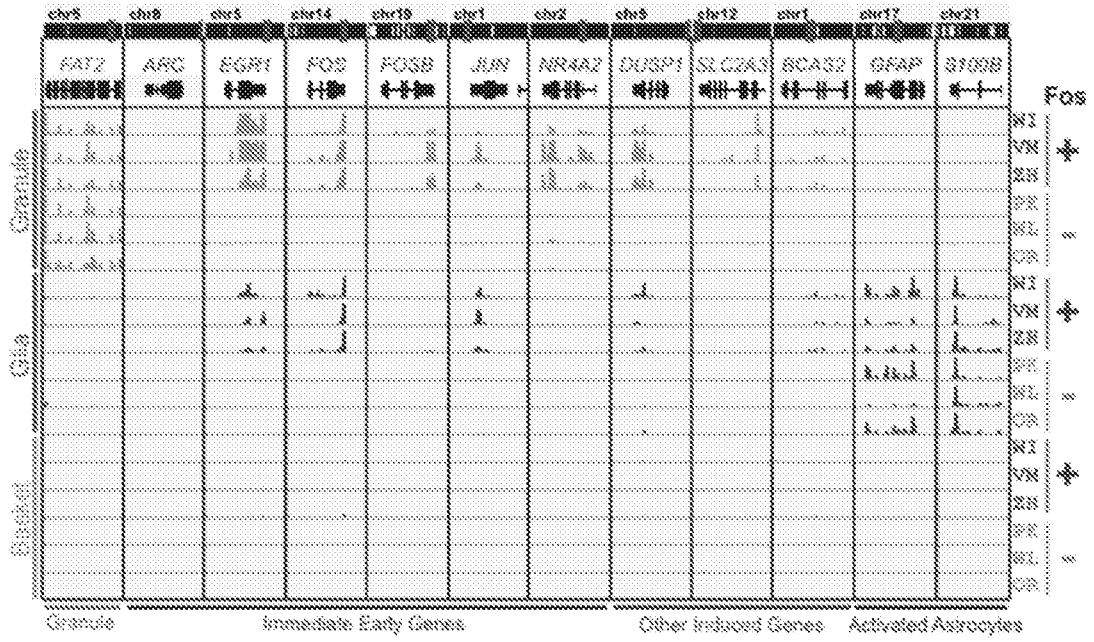

chr5
chr8
chr5
chr14
chr19
chr1
chr2
chr5
chr12
chr1
chr17
chr21
FAT2
ARC
EGR1
FOS
FOSB
JUN
NR4A2
DUSP1
SLC24A3
BCAS3
GFAP
S100B
Fos
Granule
Glia
Subset
Granule
Immediate Early Genes
Other Induced Genes
Activated Astrocytes

FIG. 13A

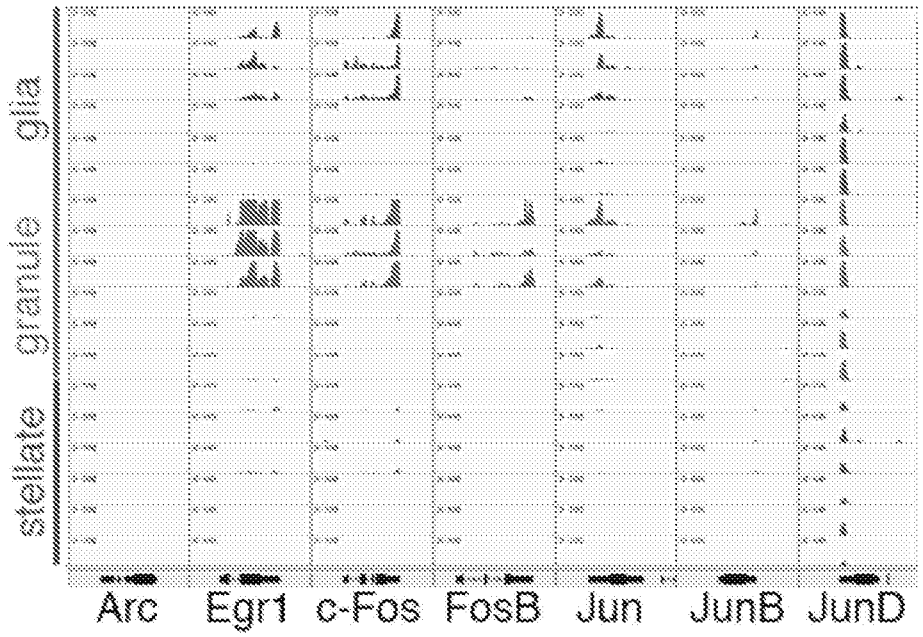


FIG. 13B

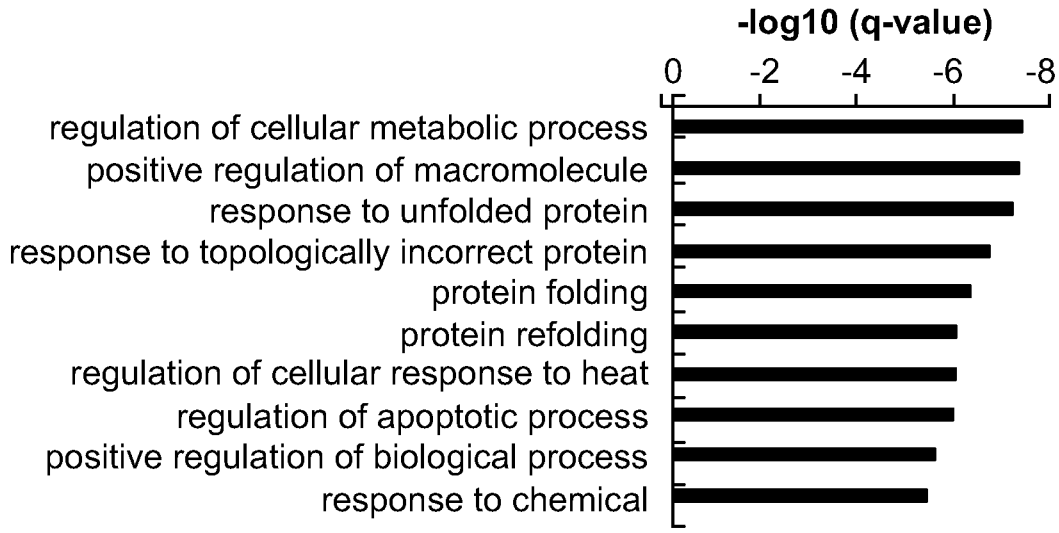

-log10 (q-value)
0
-2
-4
-6
-8
regulation of cellular metabolic process
positive regulation of macromolecule
response to unfolded protein
response to topologically incorrect protein
protein folding
protein refolding
regulation of cellular response to heat
regulation of apoptotic process
positive regulation of biological process
response to chemical

FIG. 13C

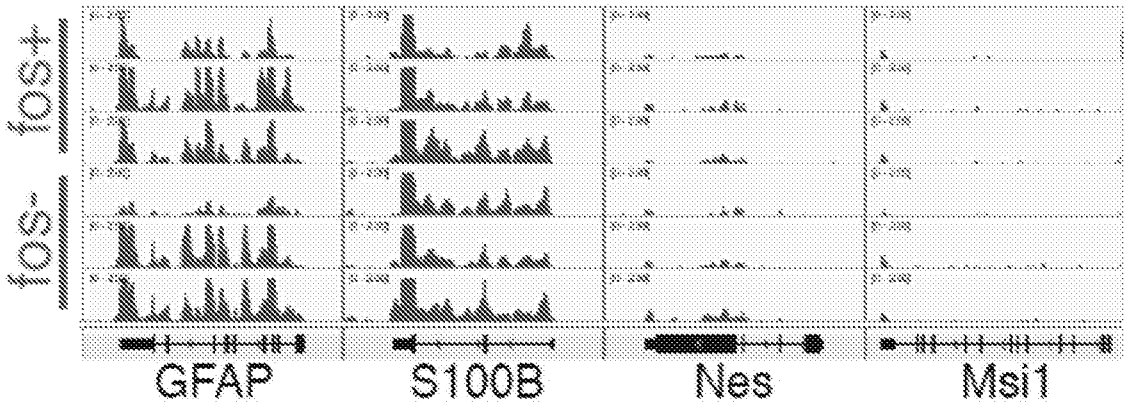
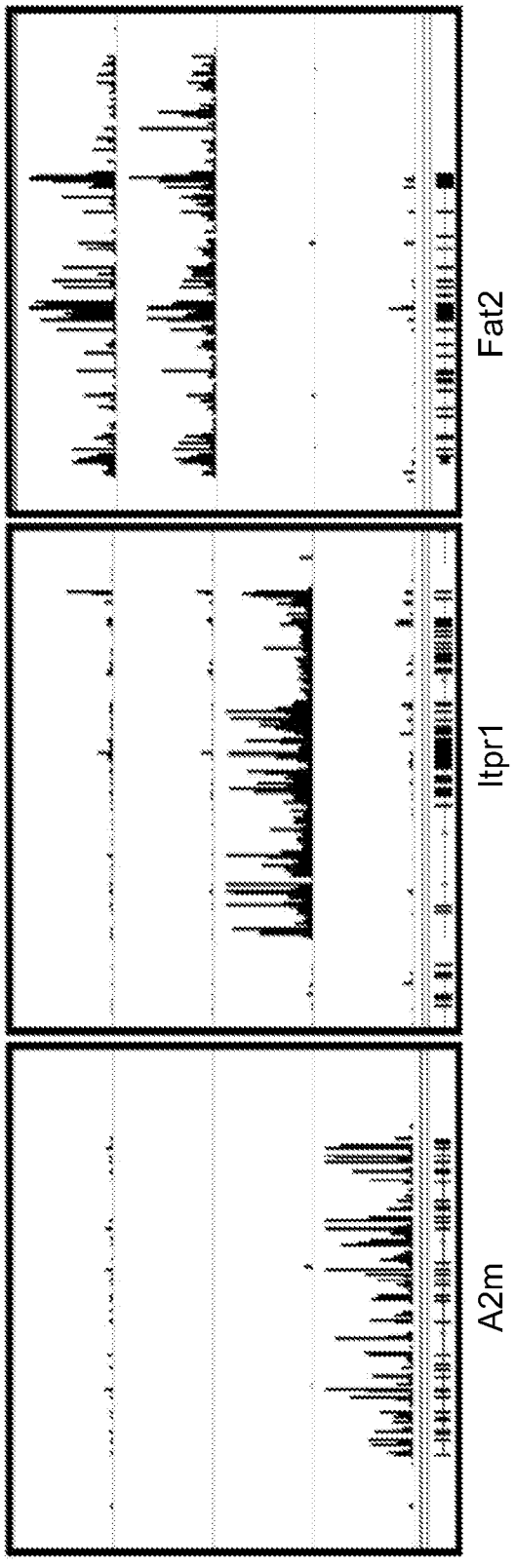


FIG. 14


CB nuclei
Granule cells
Purkinje cells
Bergmann glia
A2m
Itpr1
Fat2