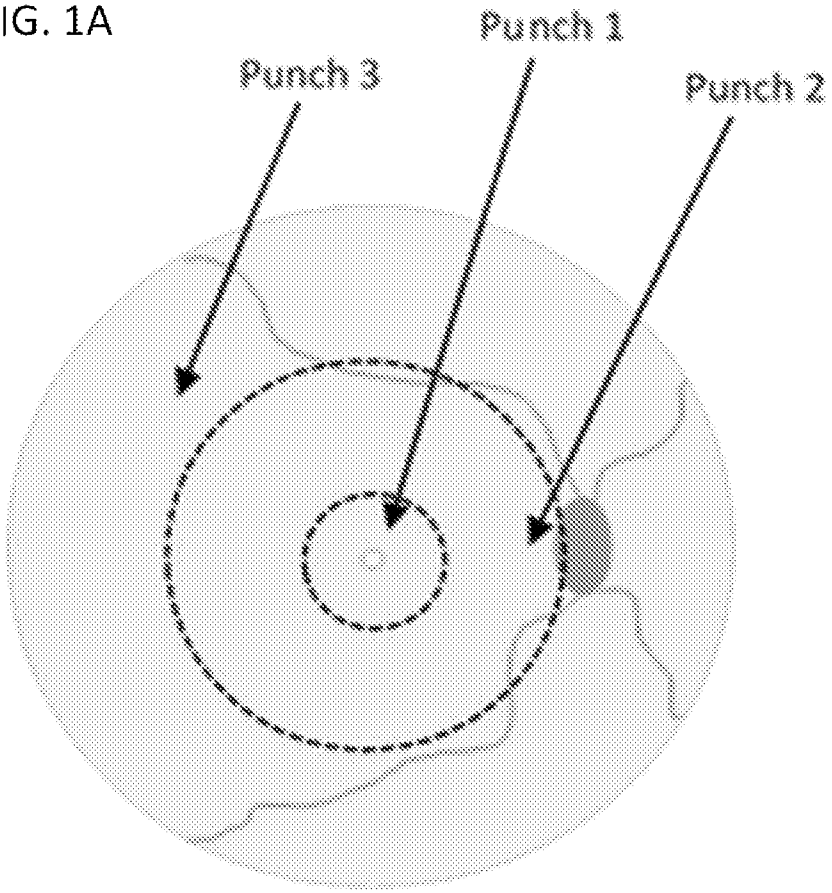
FIG. 1A



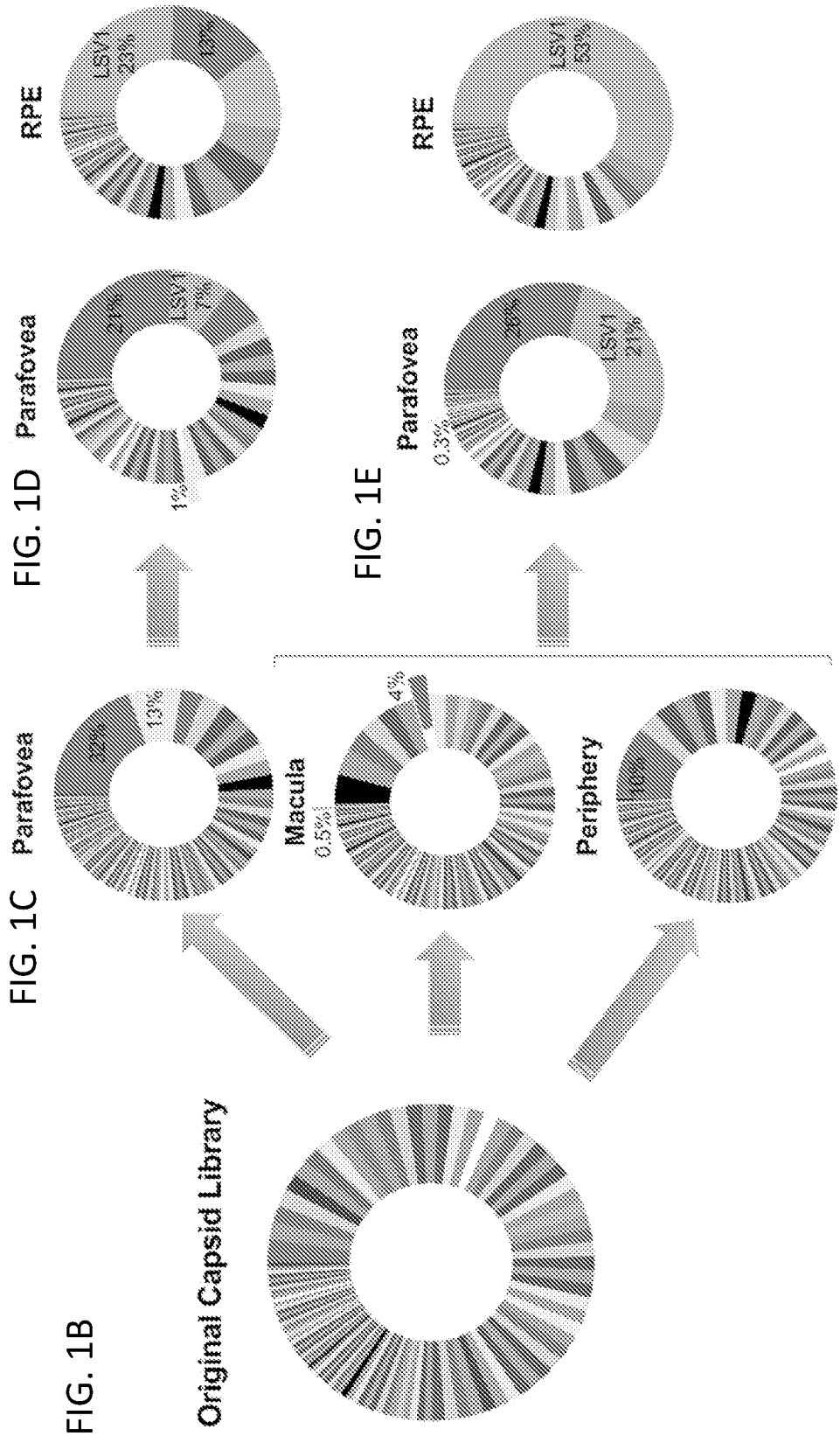


FIG. 1B

FIG. 1C

FIG. 1D

FIG. 1E

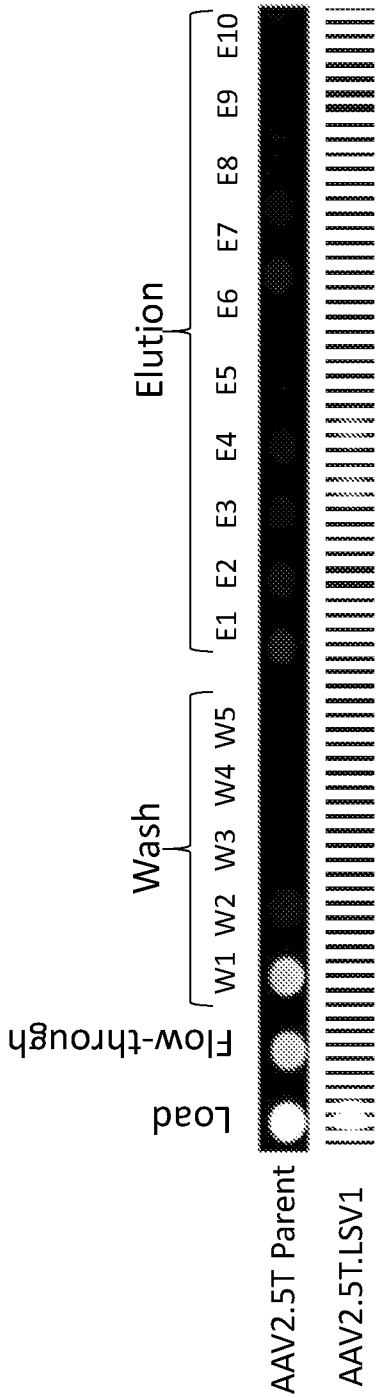

Load
Flow-through
Wash
W1 W2 W3 W4 W5
Elution
E1 E2 E3 E4 E5 E6 E7 E8 E9 E10
AAV2.5T Parent
AAV2.5T.LSV1

FIG. 2

FIG. 3

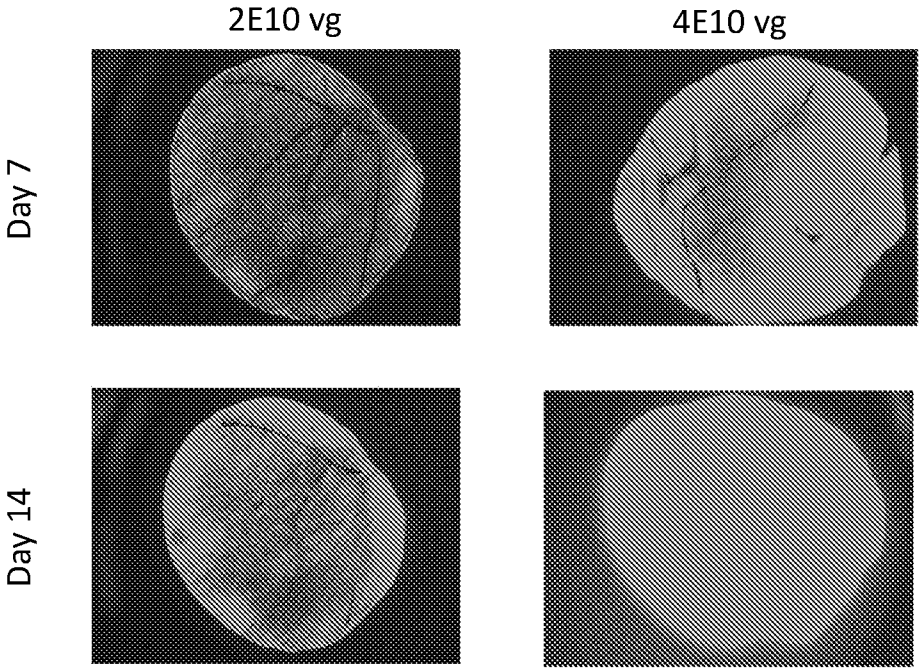


FIG. 4A

Day 14

FIG. 4B

Day 21

FIG. 4C

Day 28

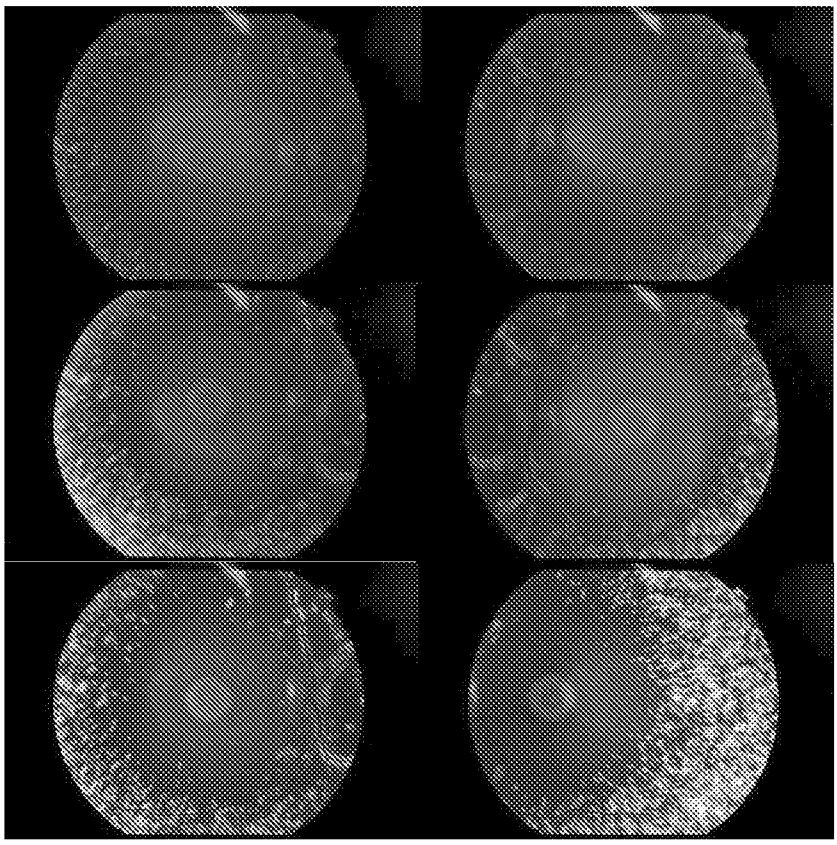
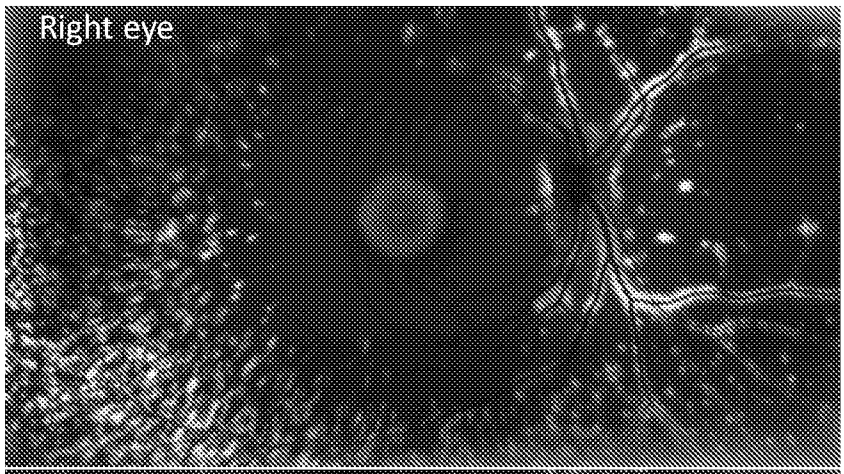
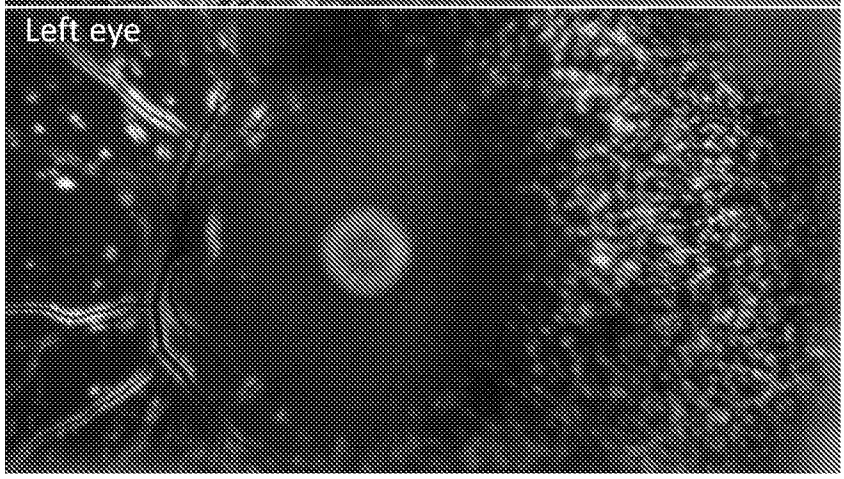


FIG. 4D



Day 28

FIG. 4E



Day 28

FIG. 5A

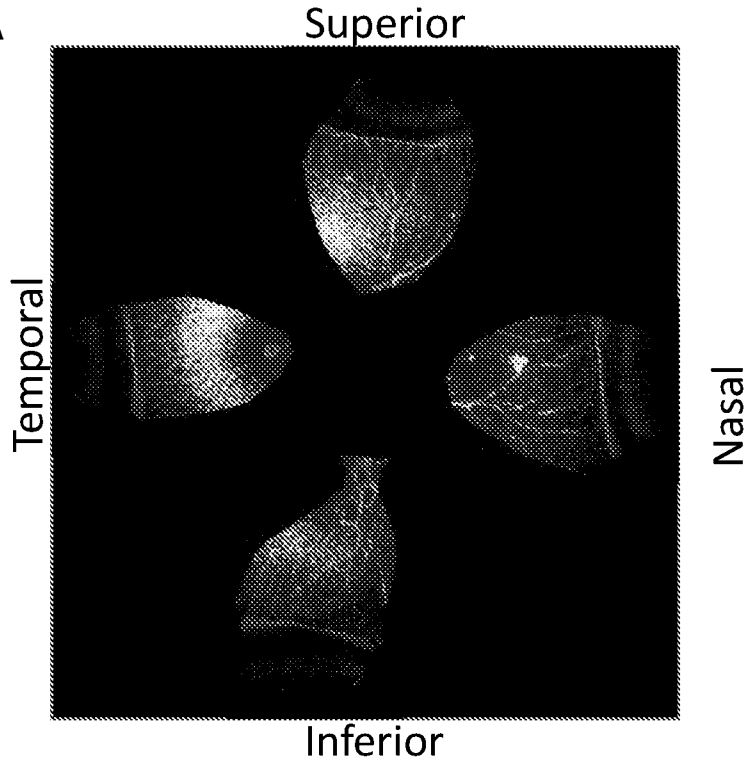
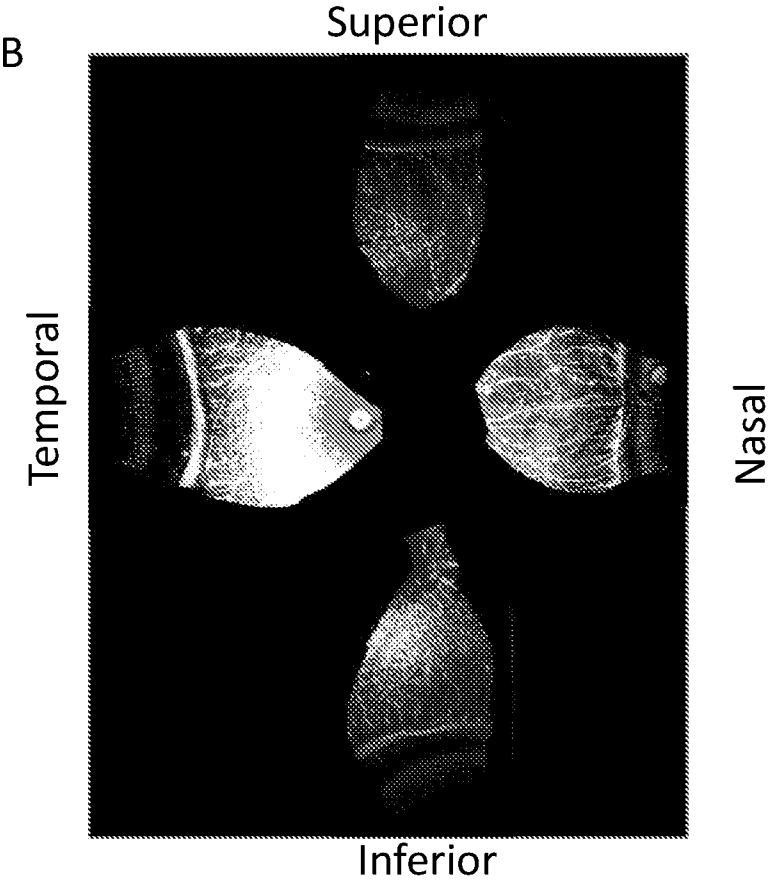

Superior
Temporal
Nasal
Inferior

FIG. 5B


Superior
Temporal
Nasal
Inferior

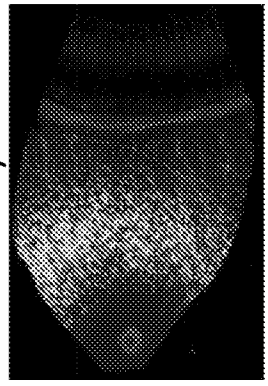


FIG. 5C

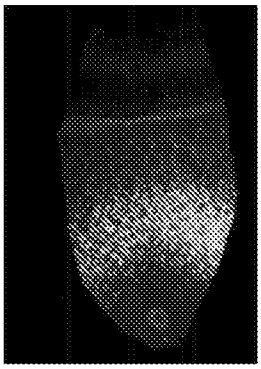


FIG. 5D

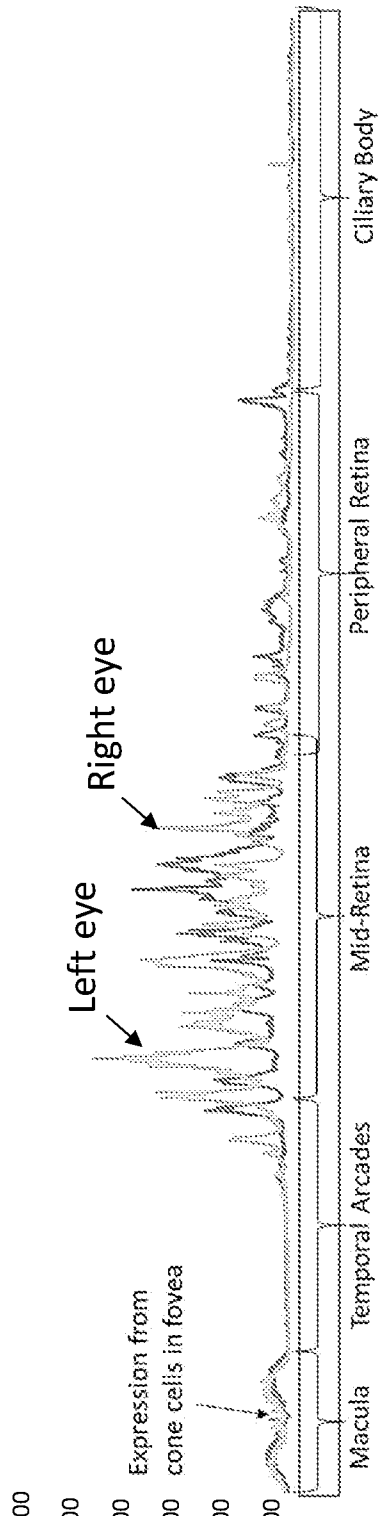


FIG. 5E

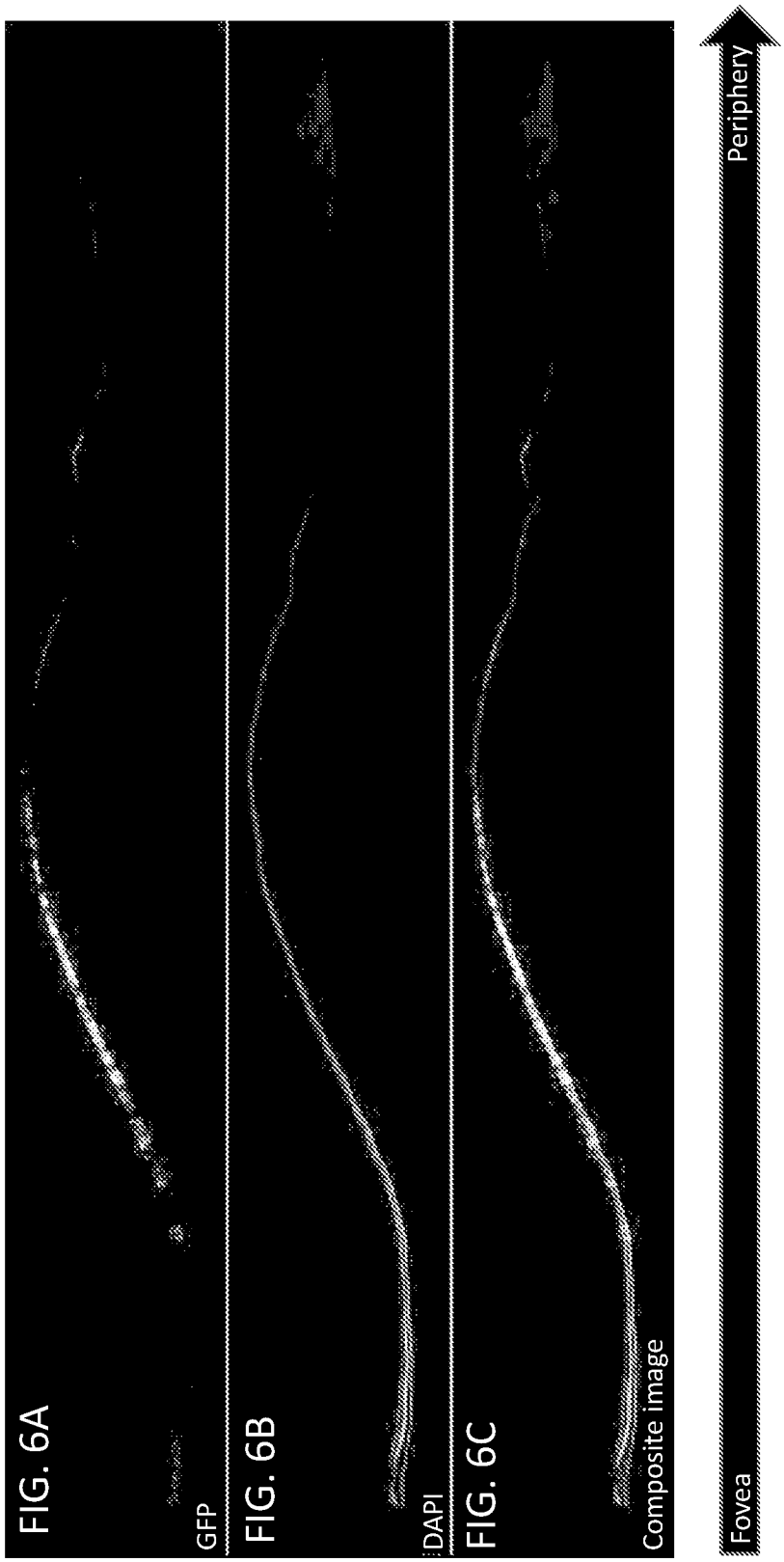
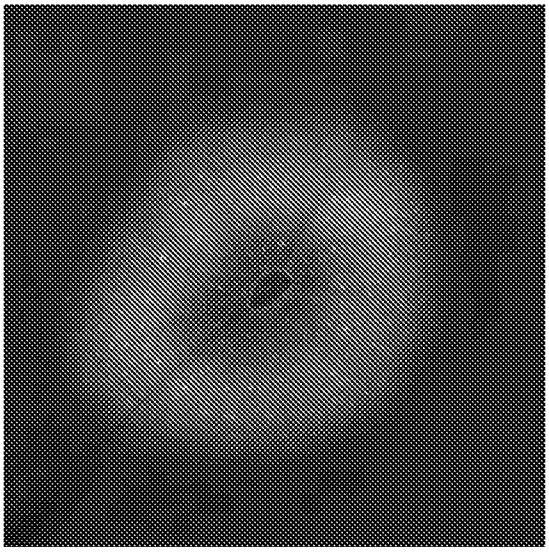


FIG. 6A
GFP
FIG. 6B
DAPI
FIG. 6C
Composite image
Periphery
Fovea

FIG. 7



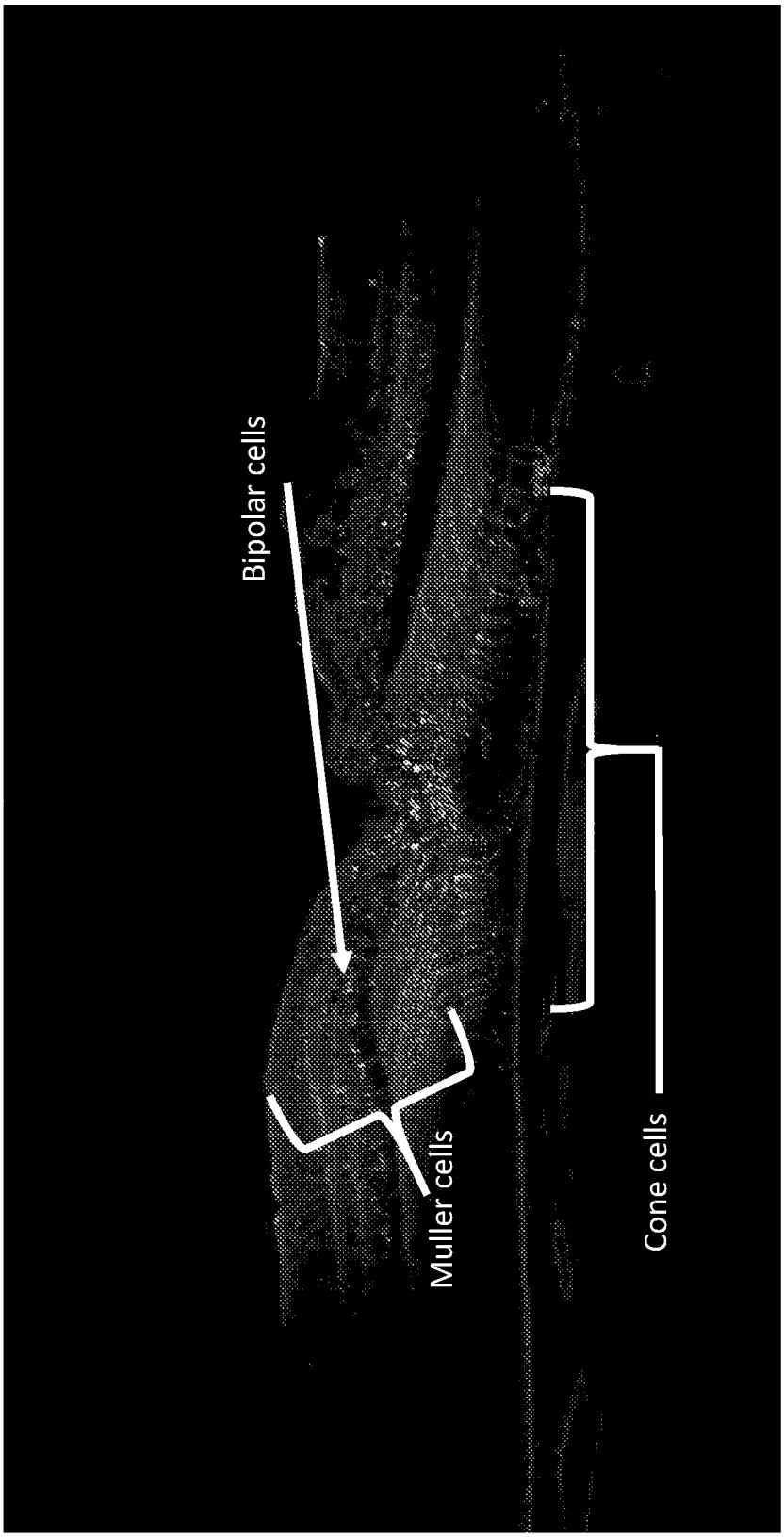


FIG. 8

FIG. 9A

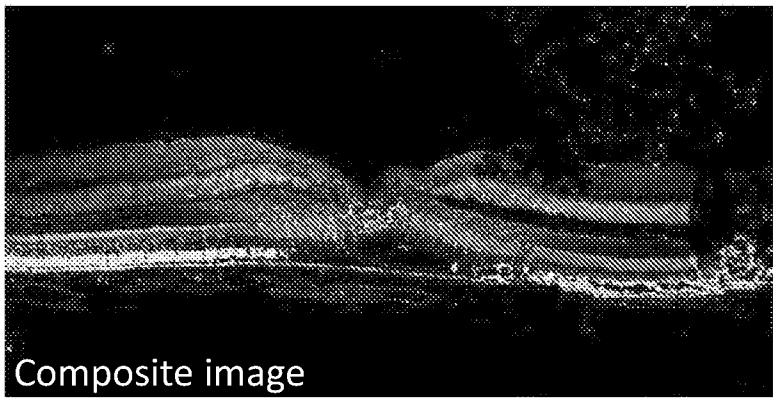


FIG. 9B

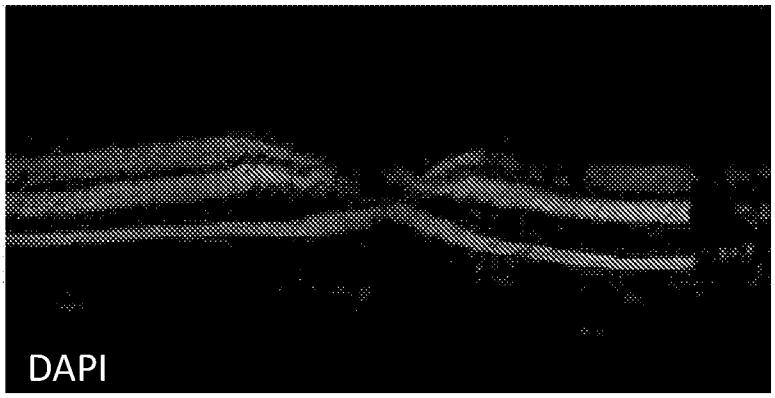


FIG. 9C

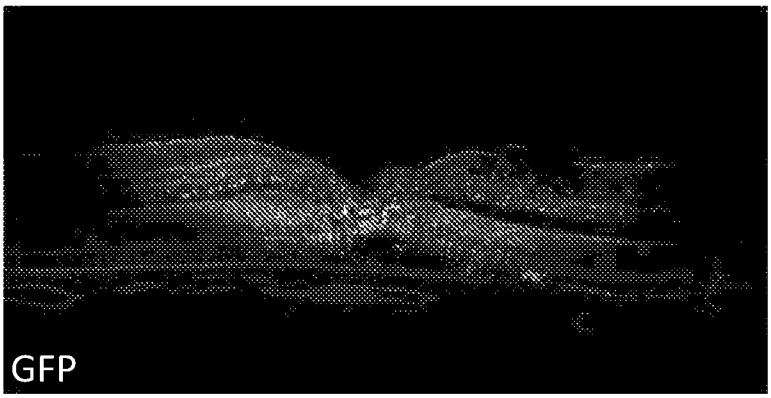


FIG. 9D

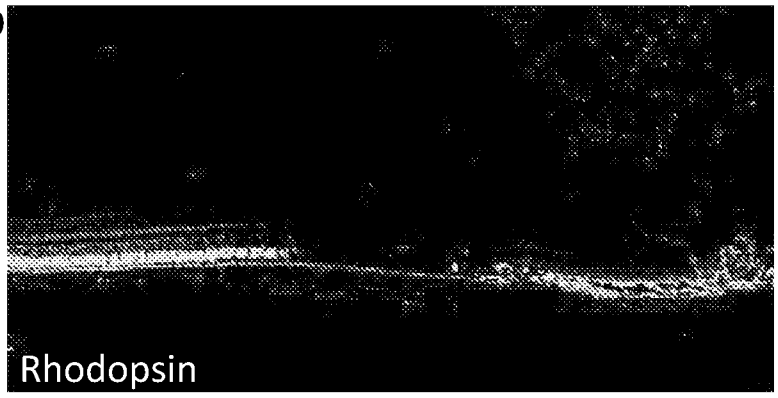


FIG. 10A

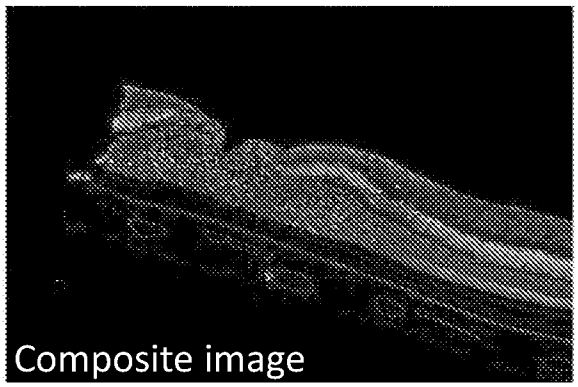


FIG. 10B



FIG. 10C

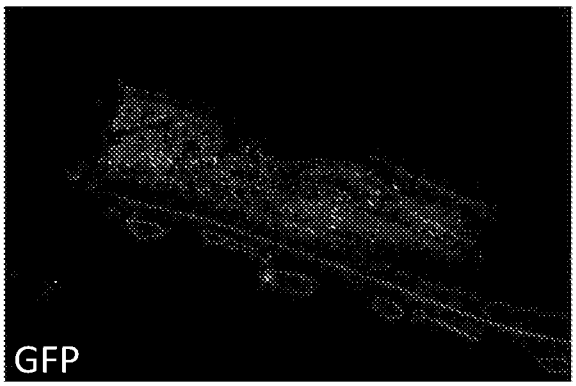


FIG. 10D

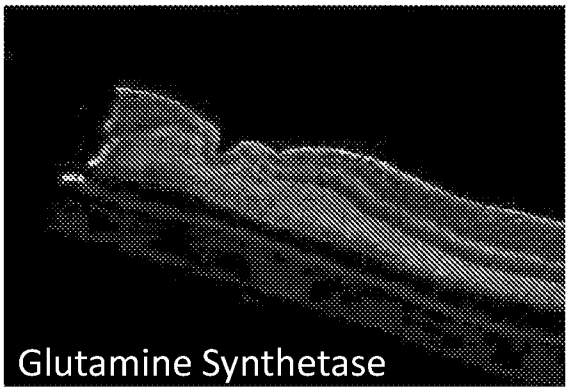


FIG. 11

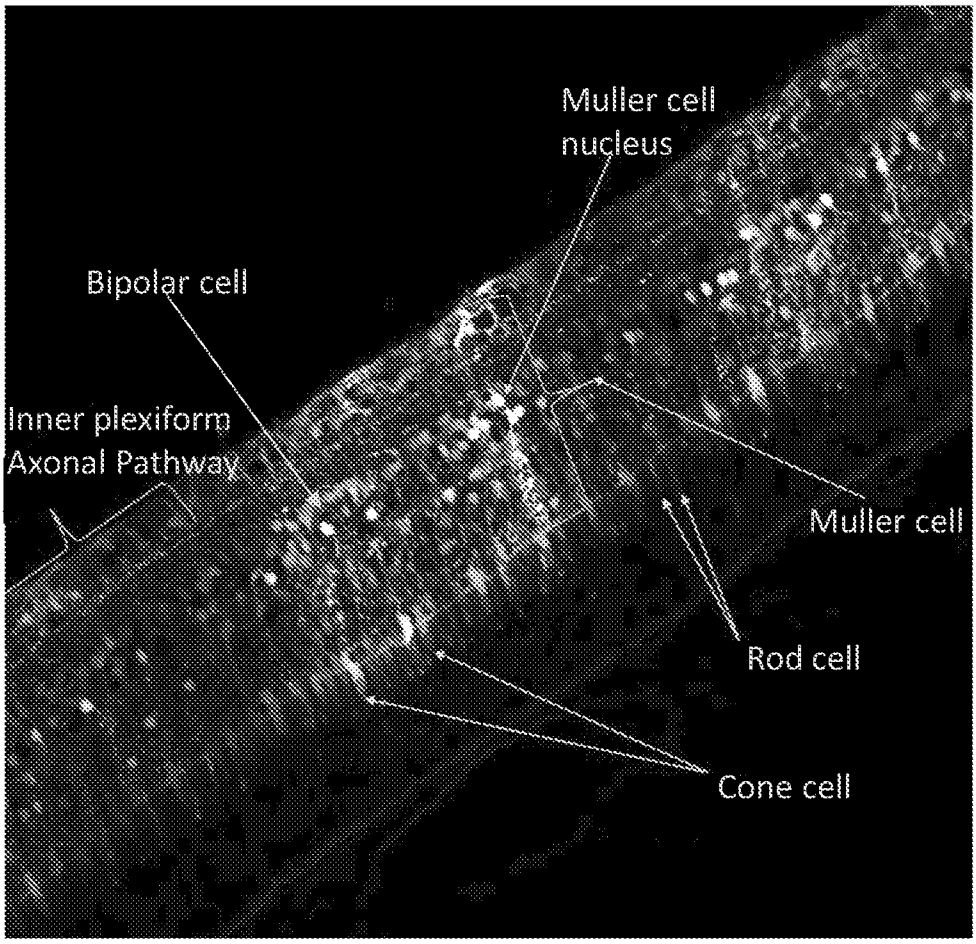

Muller cell
nucleus
Bipolar cell
Inner plexiform
Axonal Pathway
Muller cell
Rod cell
Cone cell

FIG. 12A

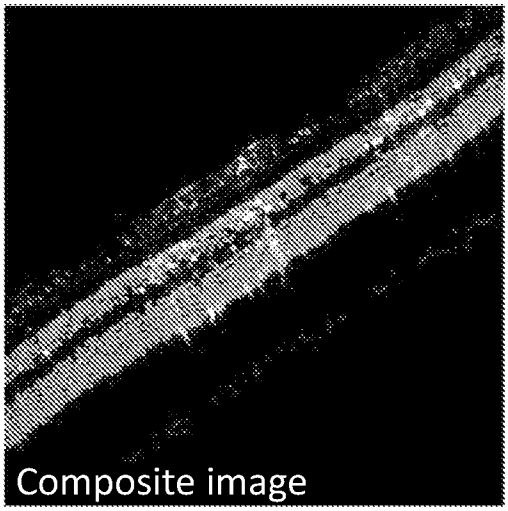


FIG. 12B

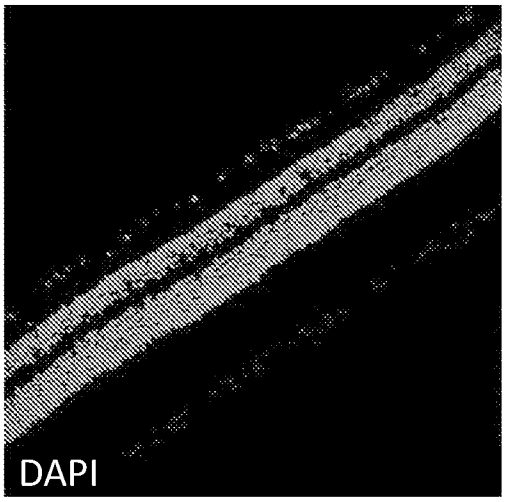


FIG. 12C

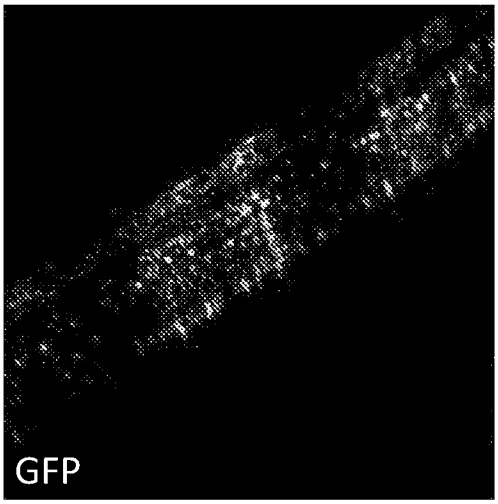


FIG. 13A

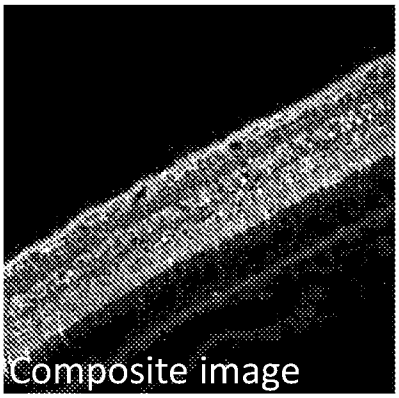


FIG. 13B

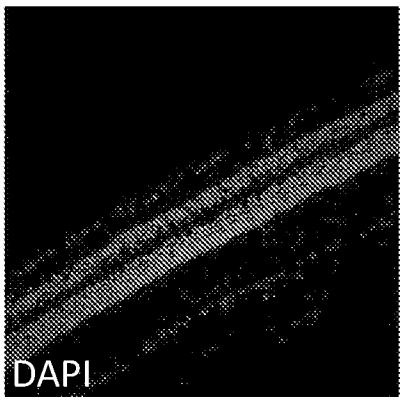


FIG. 13C

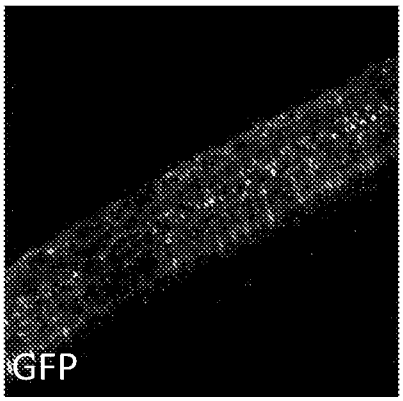


FIG. 13D

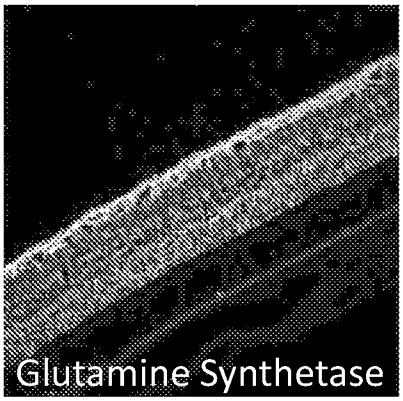


FIG. 14A

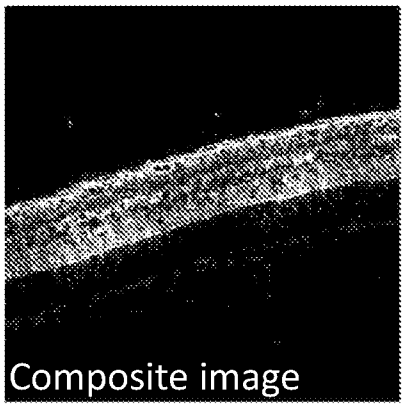


FIG. 14B

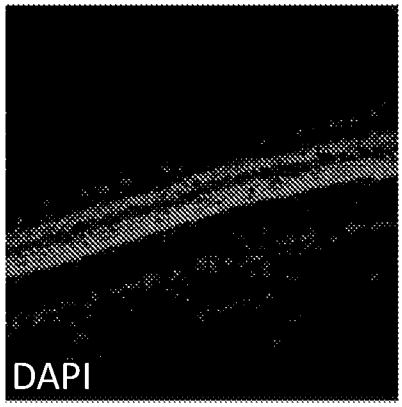


FIG. 14C

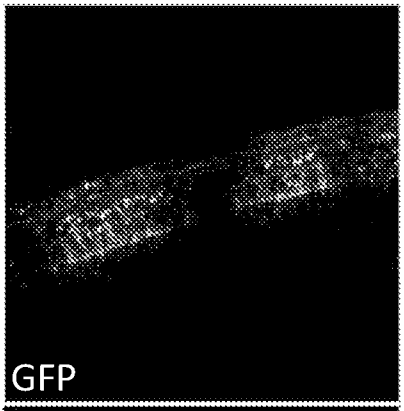


FIG. 14D

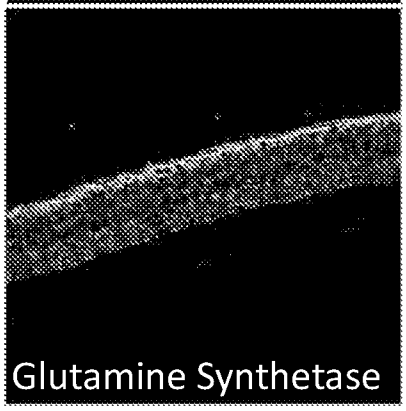


FIG. 15A

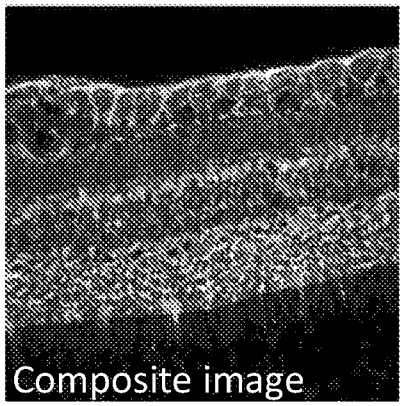


FIG. 15B

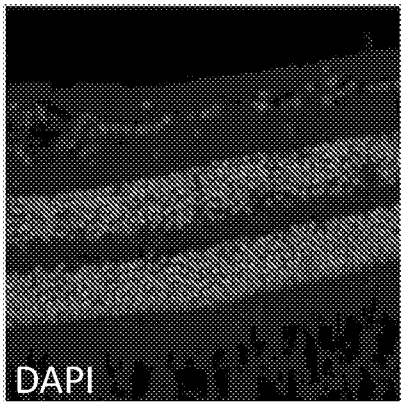


FIG. 15C

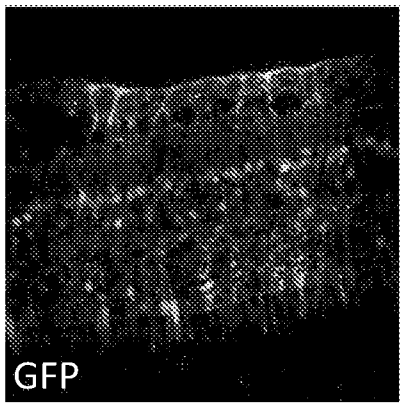


FIG. 15D

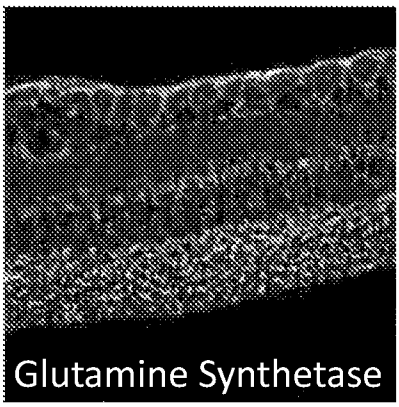


FIG. 16A

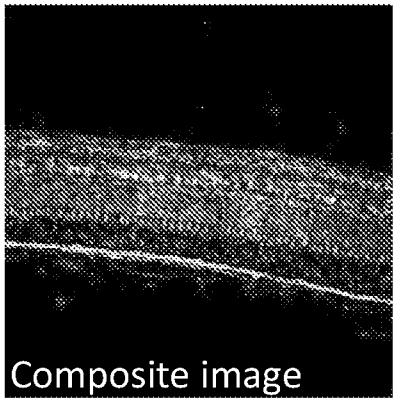


FIG. 16D

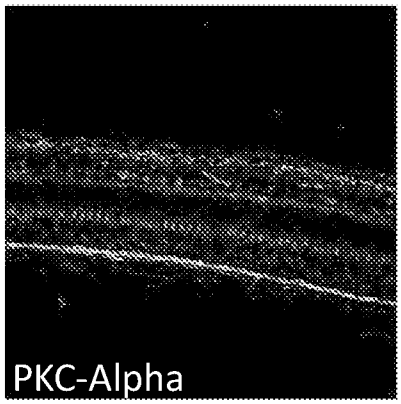


FIG. 16B

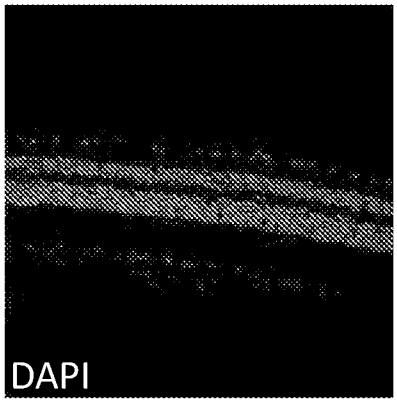


FIG. 16E

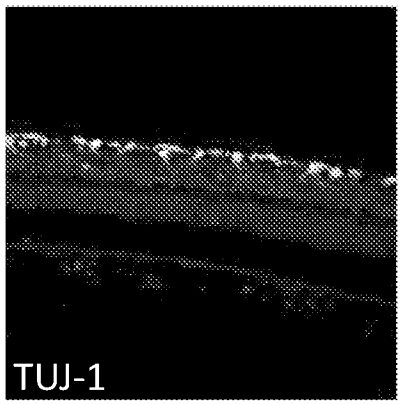


FIG. 16C

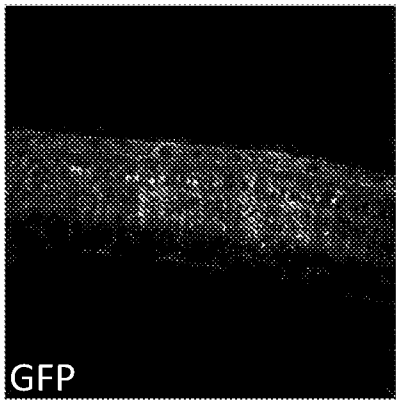


FIG. 17A

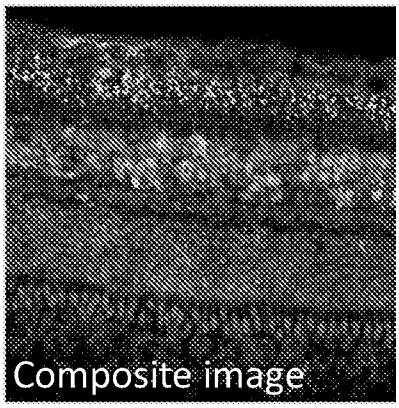


FIG. 17B

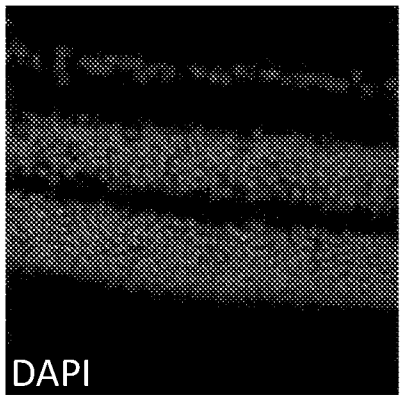


FIG. 17C

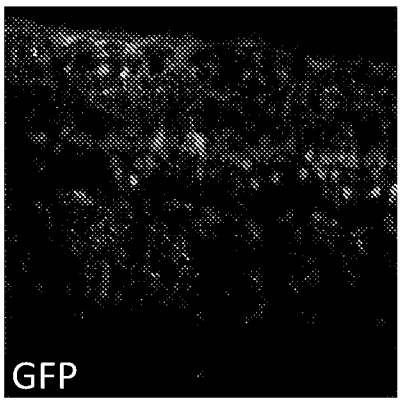


FIG. 17D

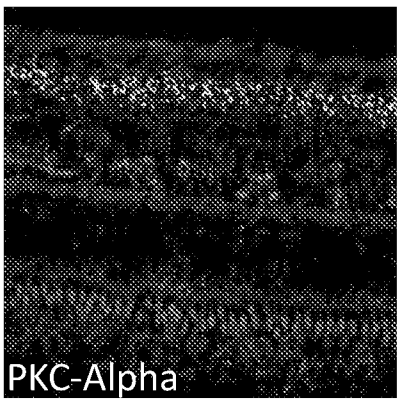


FIG. 18A

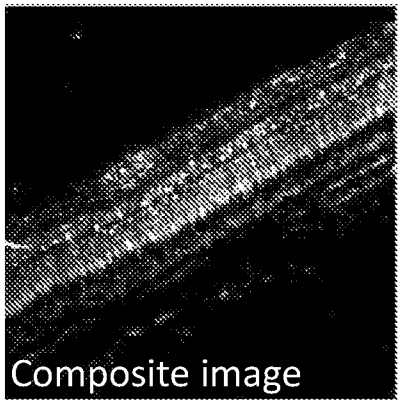


FIG. 18D

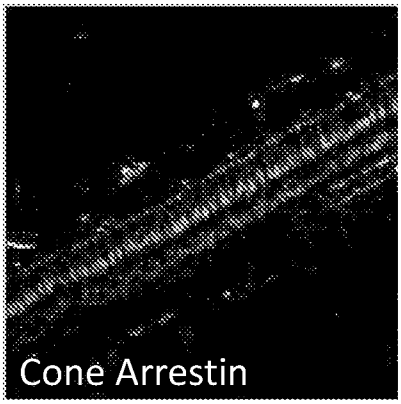


FIG. 18B

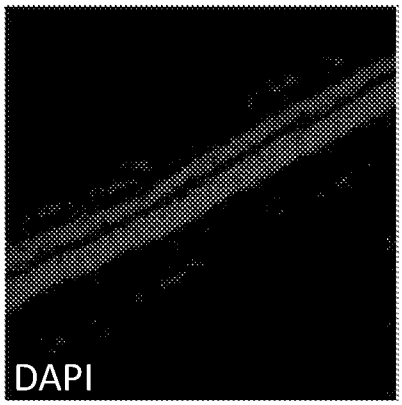


FIG. 18E

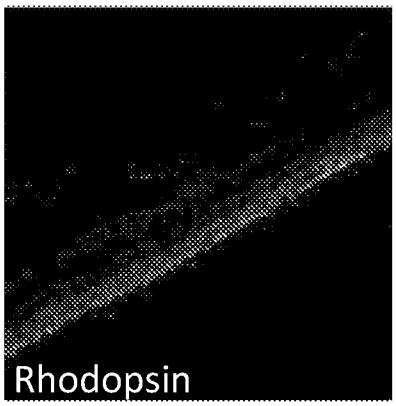


FIG. 18C

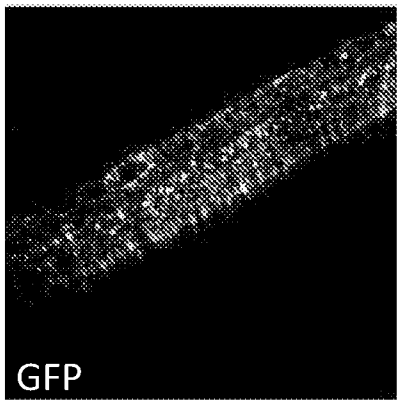


FIG. 19A

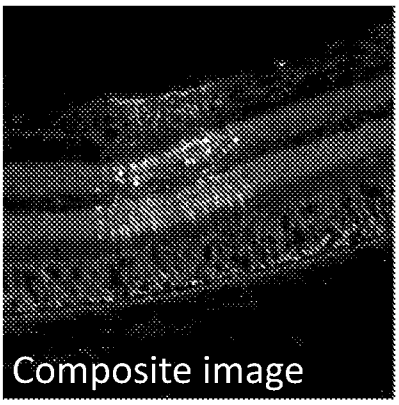


FIG. 19D

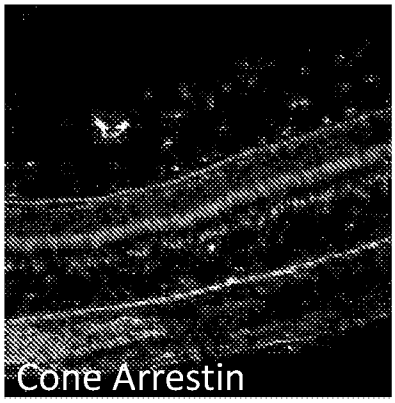


FIG. 19B

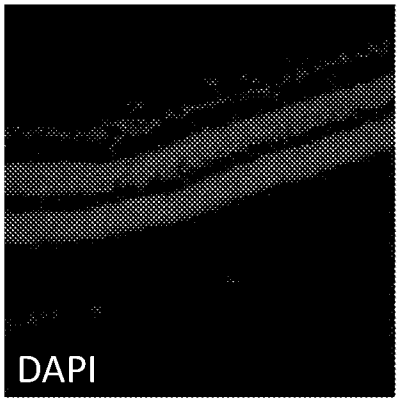


FIG. 19E

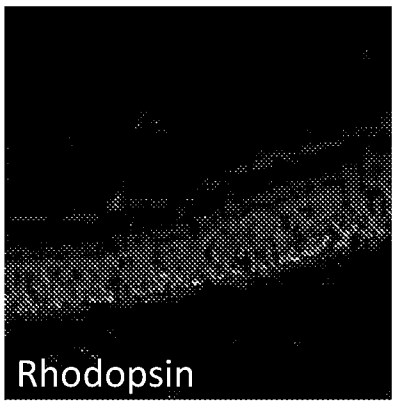


FIG. 19C

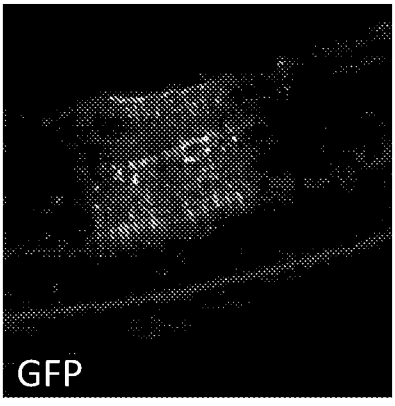


FIG. 20A

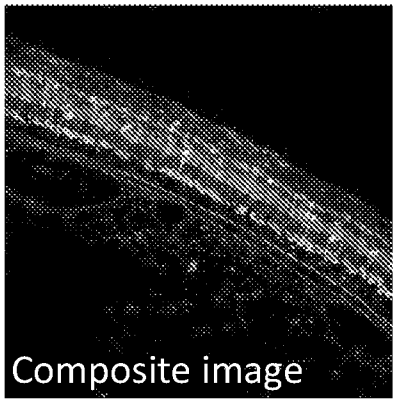


FIG. 20D

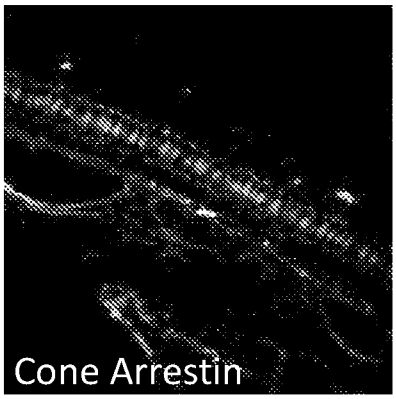


FIG. 20B

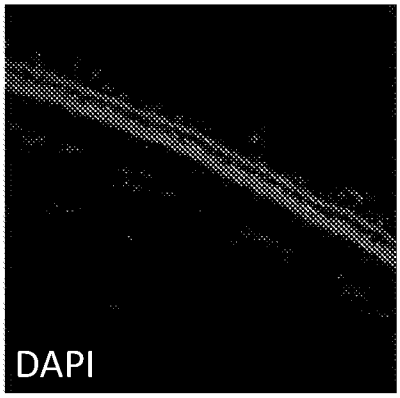


FIG. 20E

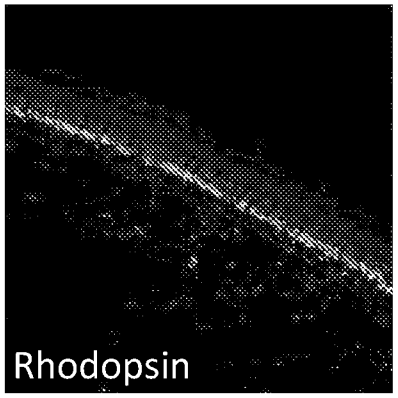


FIG. 20C

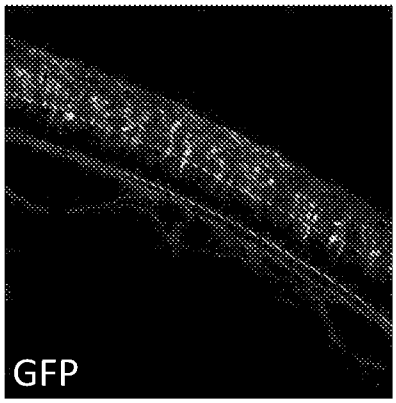


FIG. 21A

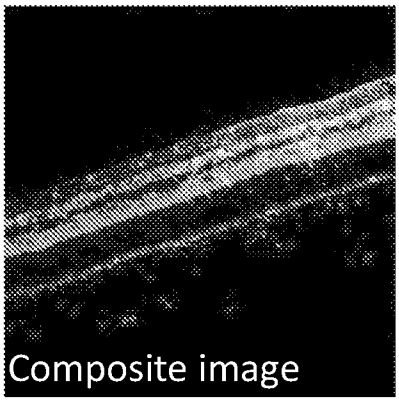


FIG. 21D

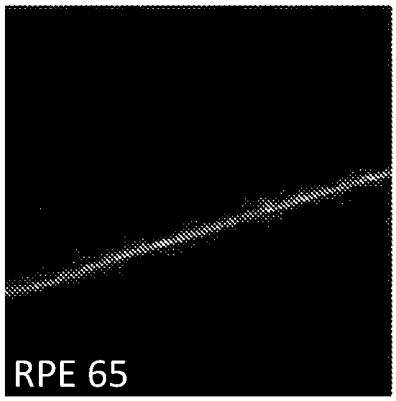


FIG. 21B

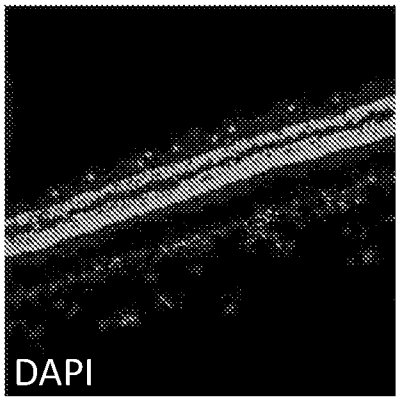


FIG. 21E

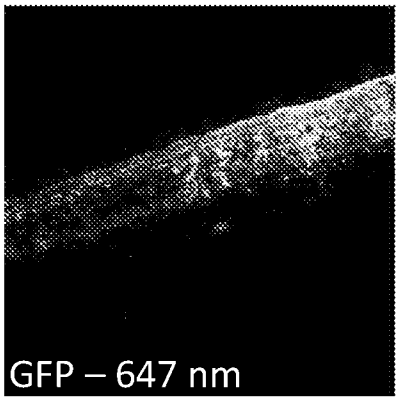


FIG. 21C

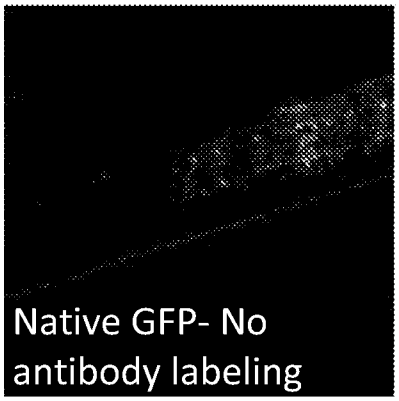


FIG. 22A

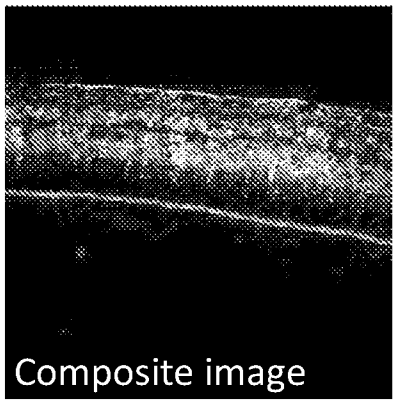


FIG. 22D

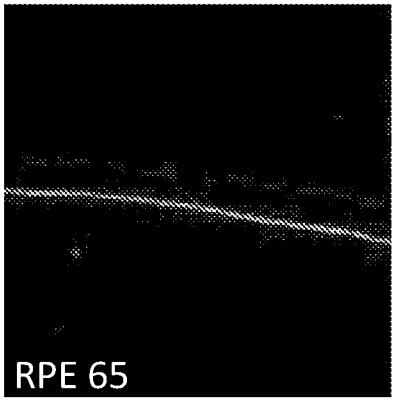


FIG. 22B

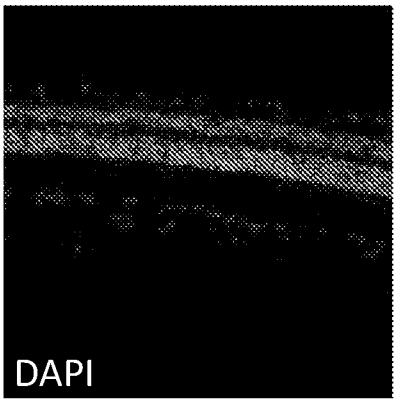


FIG. 22E

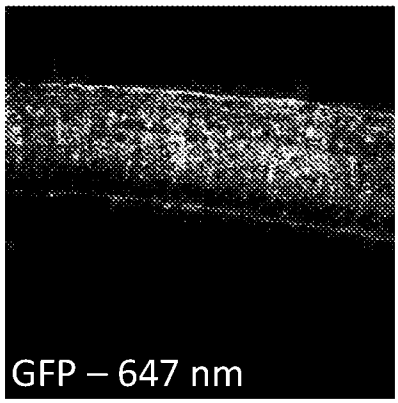


FIG. 22C



FIG. 23A

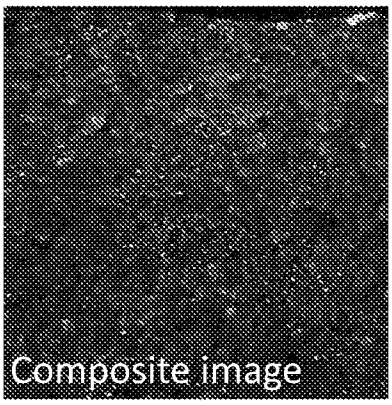


FIG. 23D

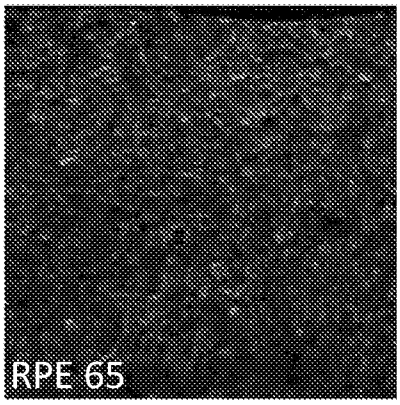


FIG. 23B

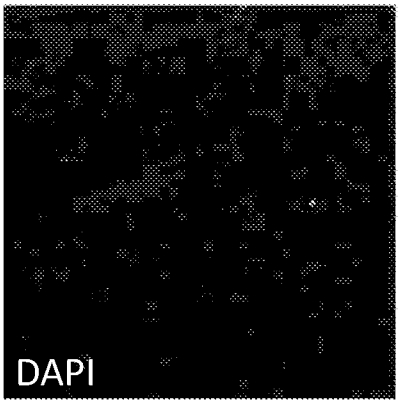


FIG. 23E

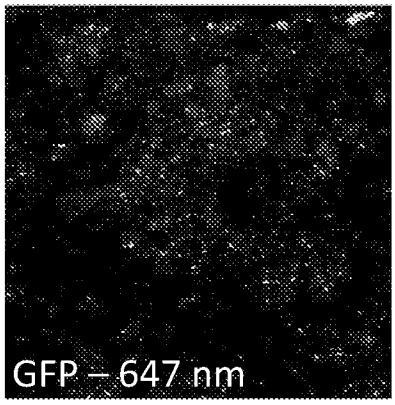


FIG. 23C



FIG. 24A

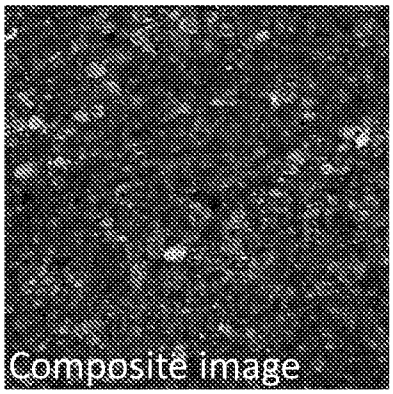


FIG. 24D

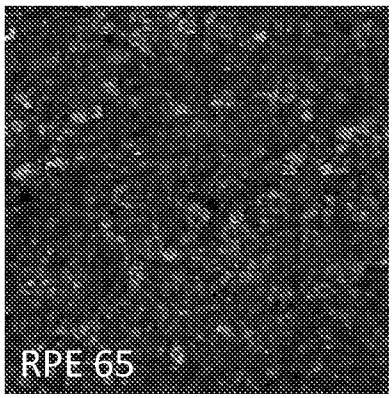


FIG. 24B

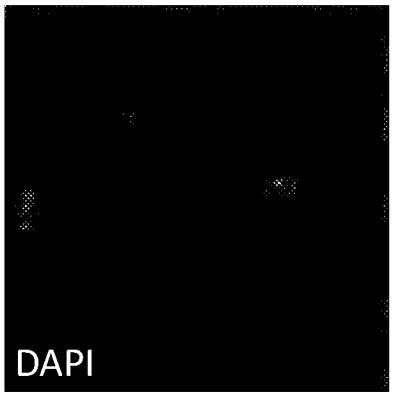


FIG. 24E

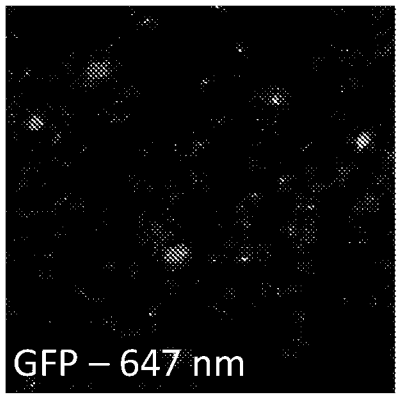


FIG. 24C



FIG. 25A



FIG. 25D

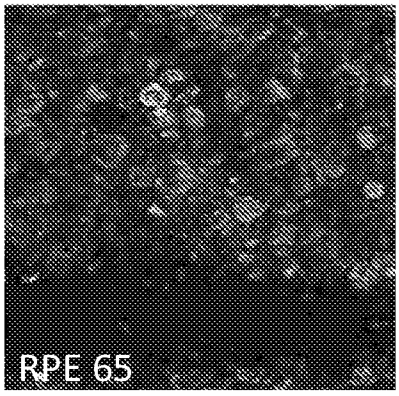


FIG. 25B

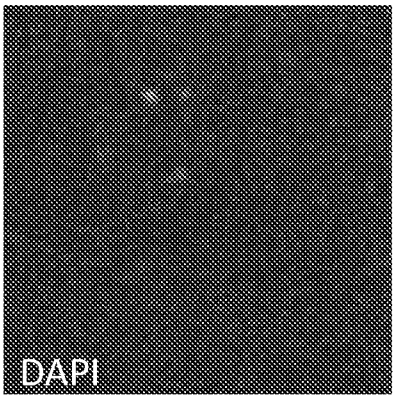


FIG. 25E

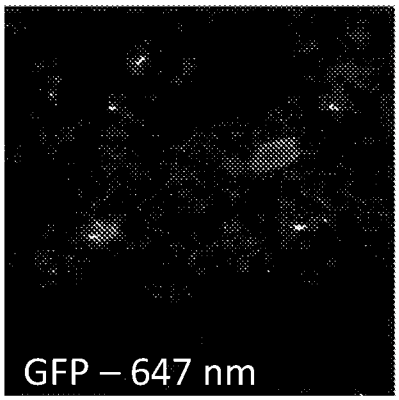


FIG. 25C

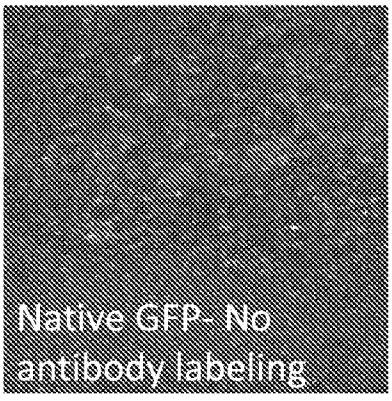


FIG. 26A

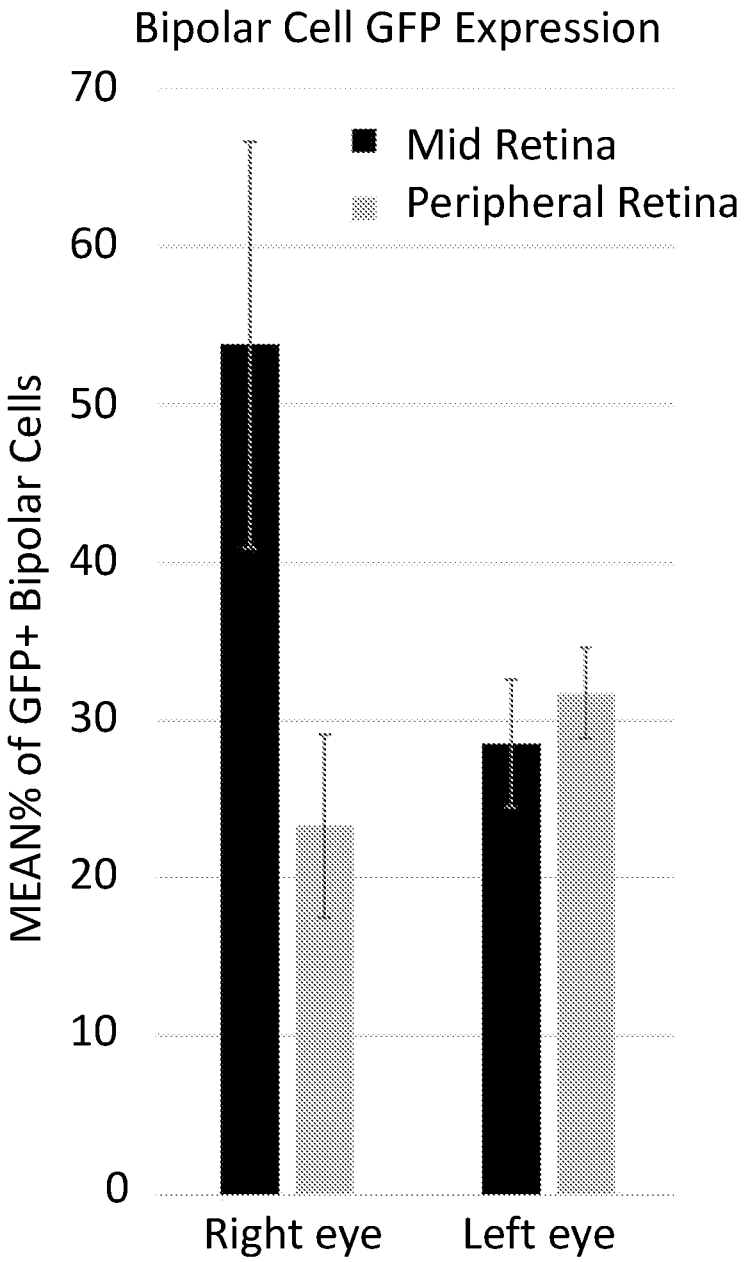

Bipolar Cell GFP Expression
70
60
50
40
30
20
10
0
MEAN% of GFP+ Bipolar Cells
Mid Retina
Peripheral Retina
Right eye
Left eye

FIG. 26B

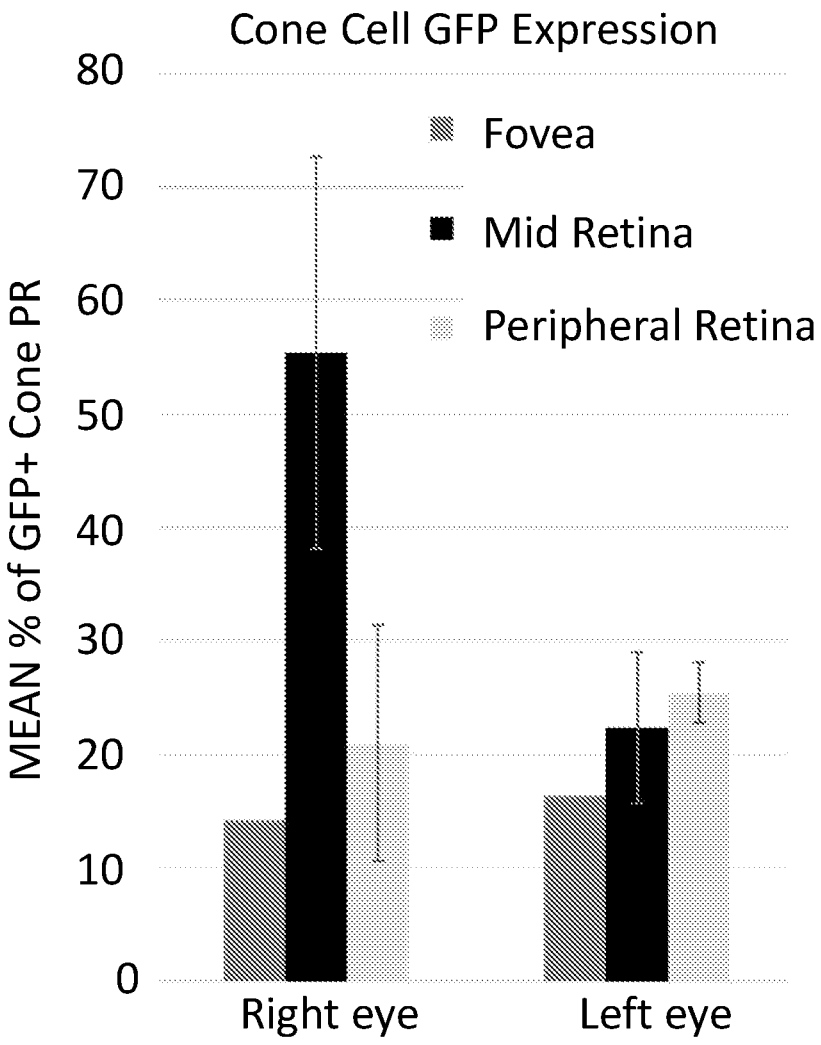

Cone Cell GFP Expression
MEAN % of GFP+ Cone PR
80
70
60
50
40
30
20
10
0
Fovea
Mid Retina
Peripheral Retina
Right eye
Left eye

FIG. 26C

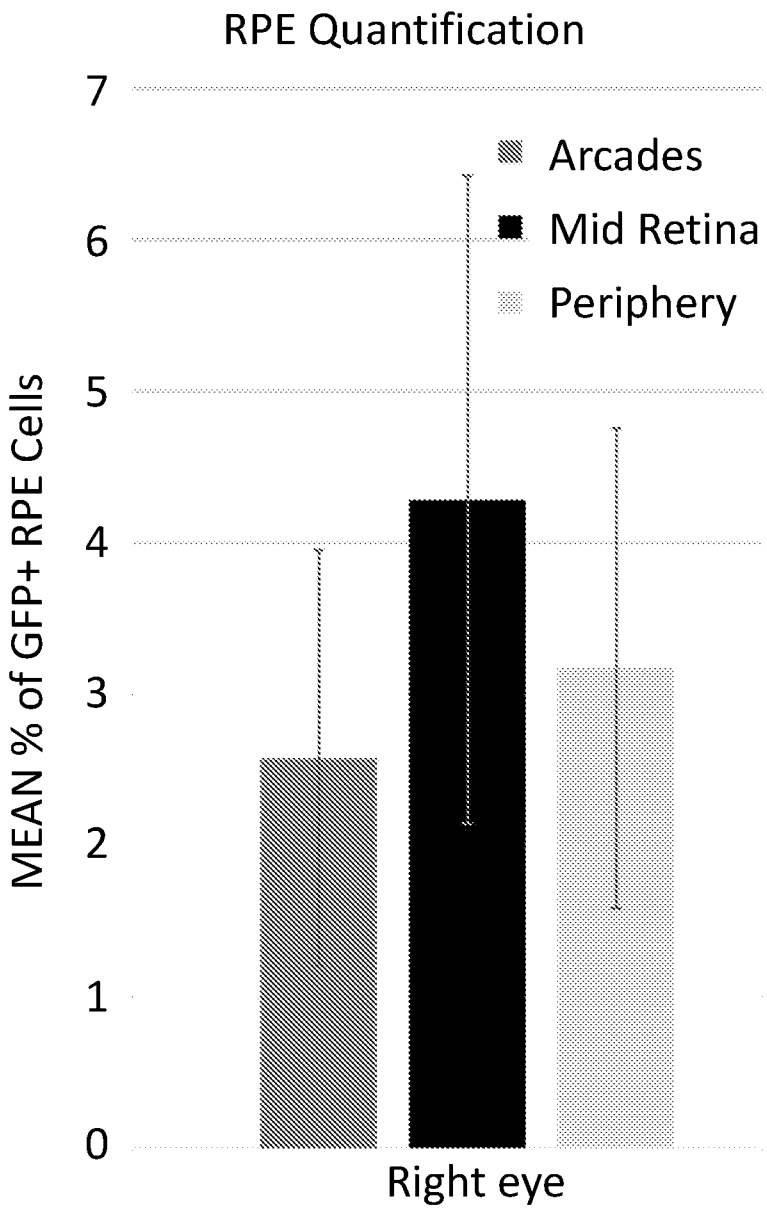

RPE Quantification
7
6
5
4
3
2
1
0
MEAN % of GFP+ RPE Cells
Arcades
Mid Retina
Periphery
Right eye

FIG. 27A

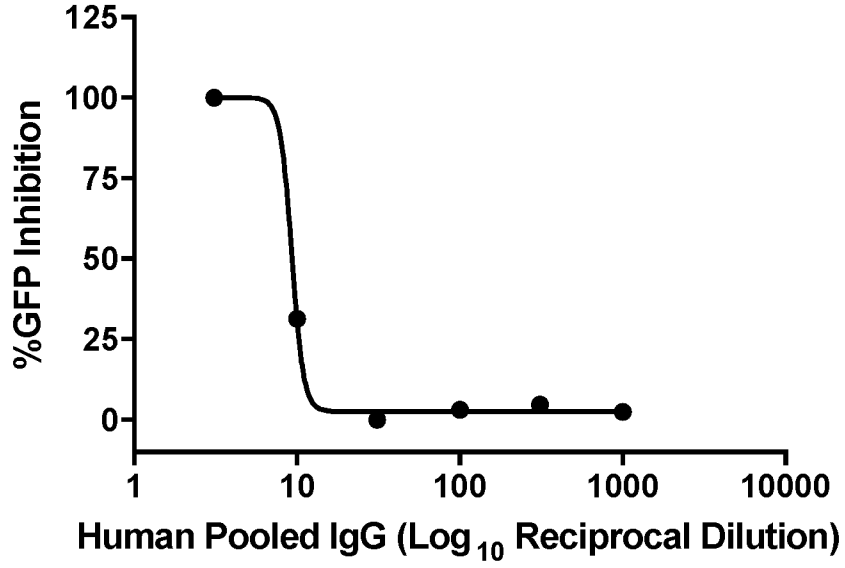


FIG. 27B

