

FIG. 1B

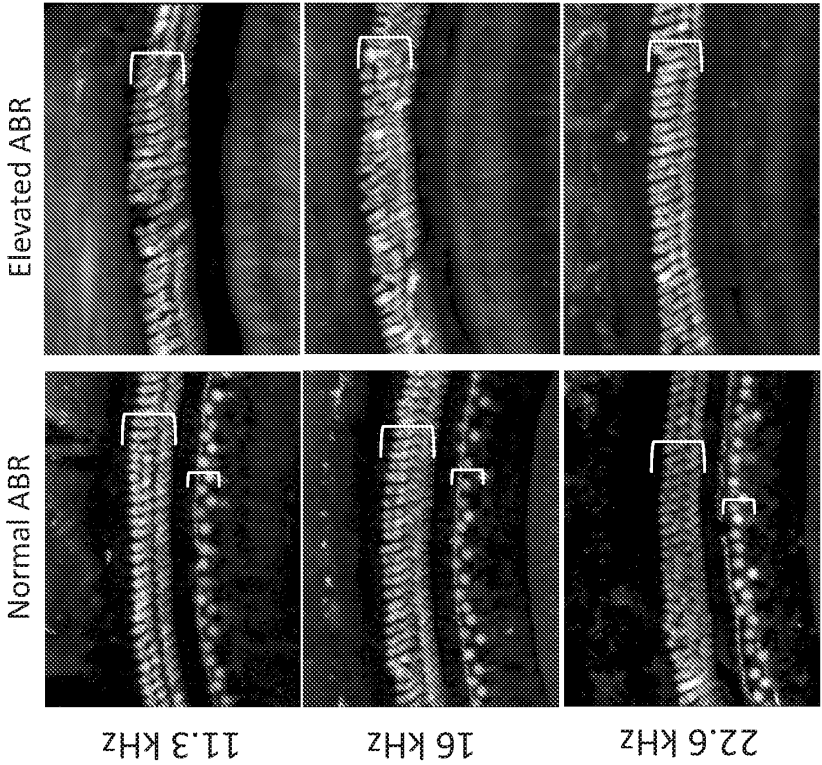


FIG. 1A

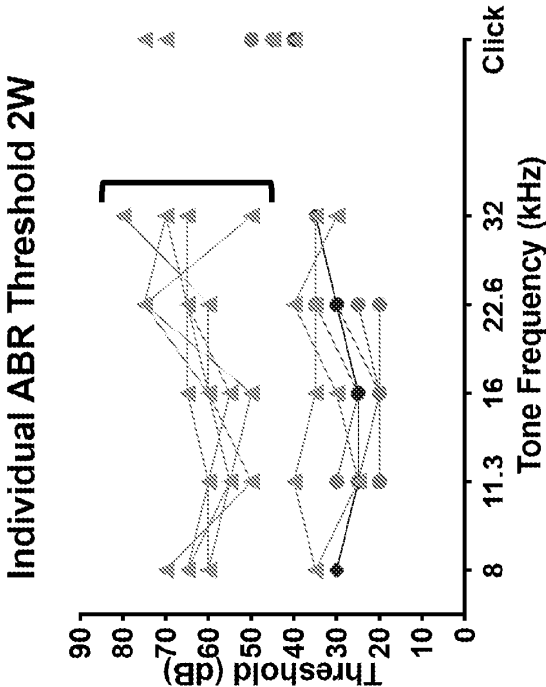


FIG. 2B

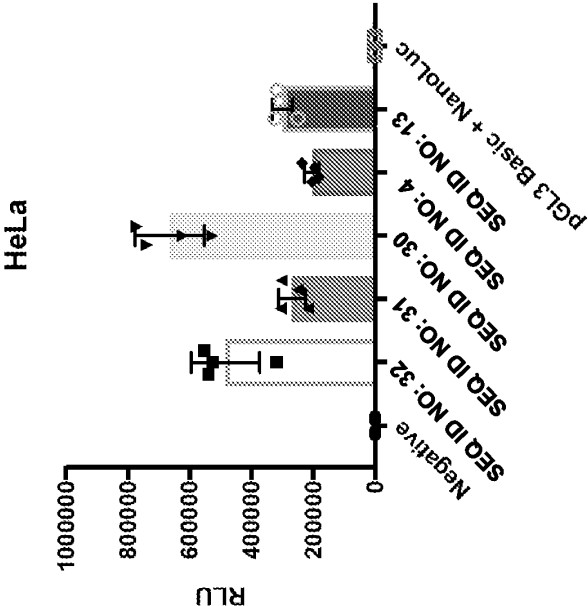


FIG. 2A

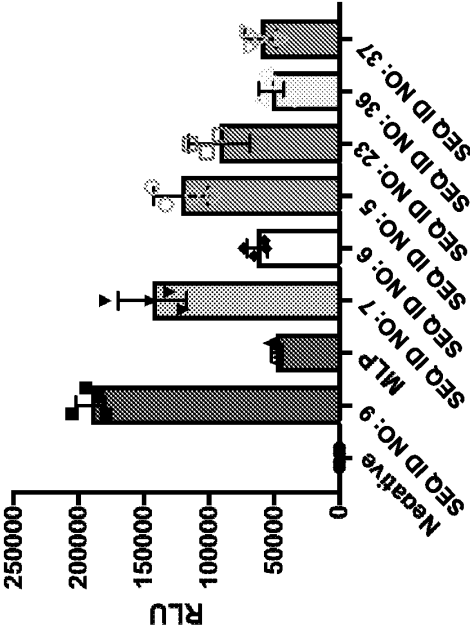


FIG. 3A

SEQ ID NO: 30

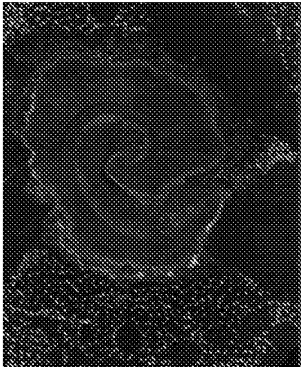


FIG. 3B

SEQ ID NO: 30
+ Enhancer 9

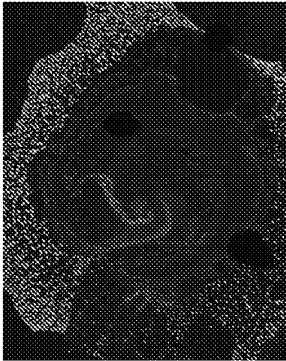


FIG. 3D

SEQ ID NO: 32

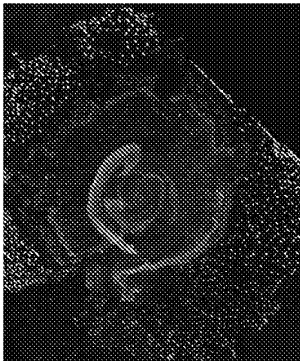


FIG. 3E

SEQ ID NO: 32
+ Enhancer 9

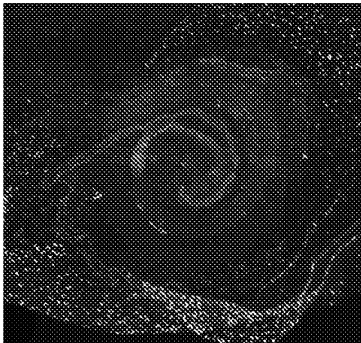


FIG. 3C

SEQ ID NO: 30
+ Enhancer GH

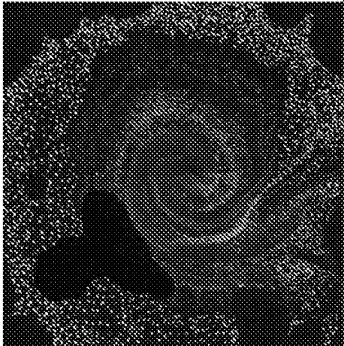


FIG. 4A

SEQ ID NO: 1



FIG. 4B

SEQ ID NO: 1
+ Enhancer 9

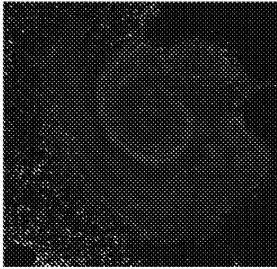


FIG. 4C

SEQ ID NO: 1
+ Enhancer GH

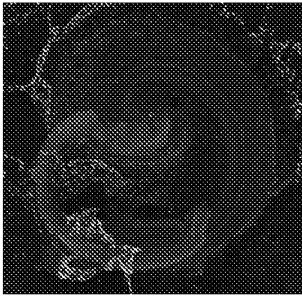


FIG. 4D

SEQ ID NO: 35

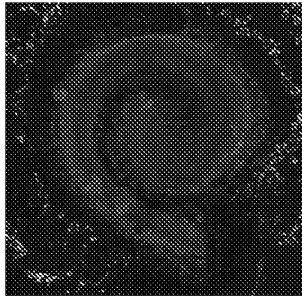


FIG. 4E

SEQ ID NO: 35
+ Enhancer 9

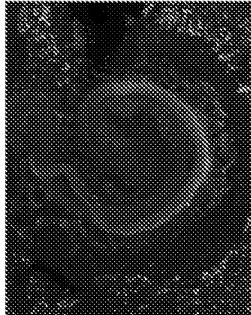


FIG. 4F

SEQ ID NO: 35
+ Enhancer GH

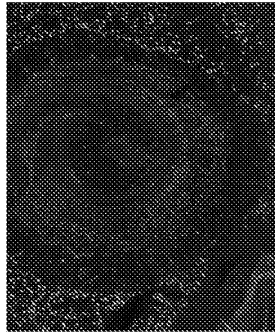


FIG. 5B

SEQ ID NO: 30 + Enhancer GH

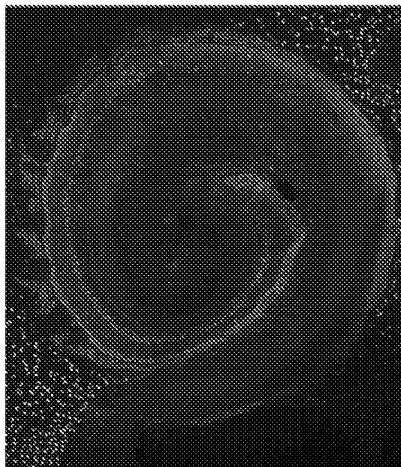


FIG. 5A

SEQ ID NO: 30 + Enhancer GH

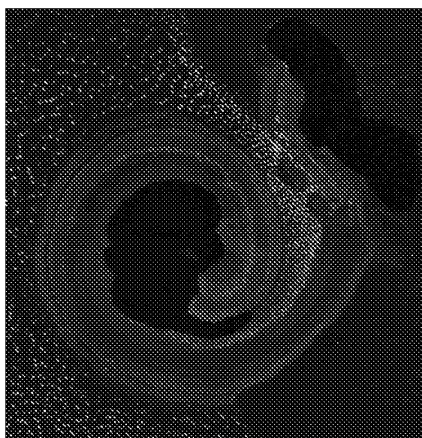


FIG. 5D

SEQ ID NO: 30 + Enhancer GHC



FIG. 5C

SEQ ID NO: 30 + Enhancer GHB

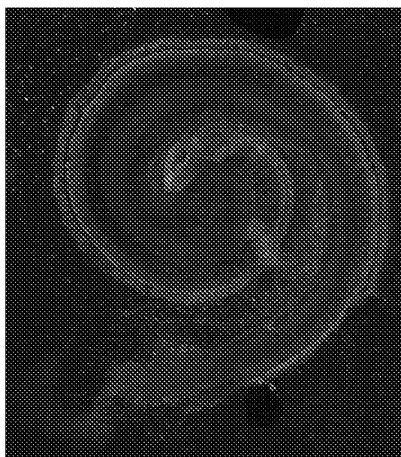


FIG. 6A

SEQ ID NO: 30 + Enhancer GH

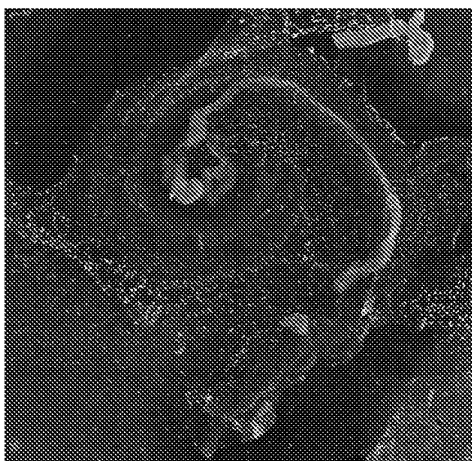


FIG. 6B

SEQ ID NO: 33 + Enhancer GH

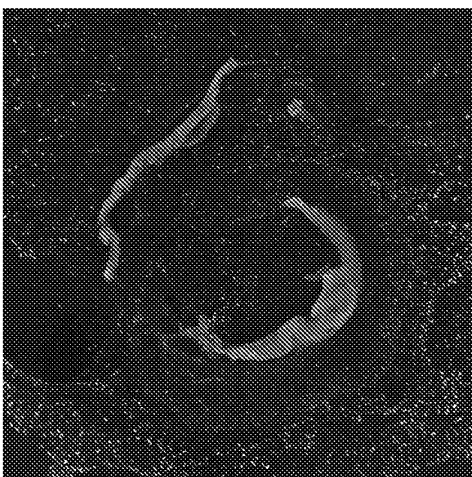


FIG. 6C

SEQ ID NO: 34 + Enhancer GH

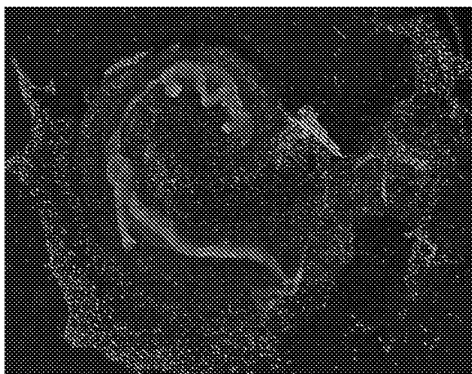


FIG. 7A

SEQ ID NO: 30

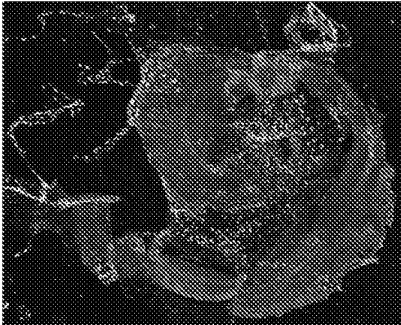


FIG. 7B

SEQ ID NO: 30 + Enhancer GH

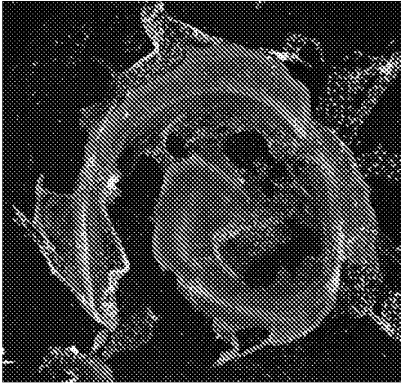


FIG. 7C

SEQ ID NO: 30 + Enhancer GHA

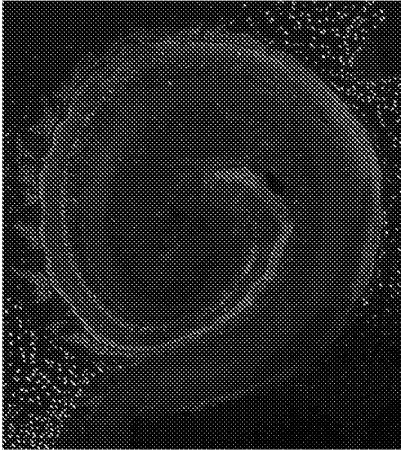


FIG. 7F

CMV

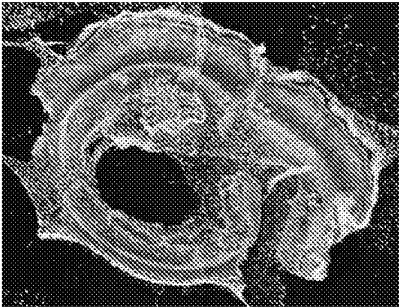


FIG. 7E

SEQ ID NO: 30 + Enhancer 9C

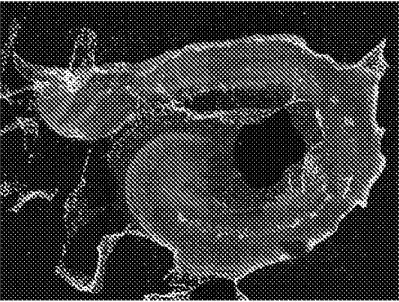


FIG. 7D

SEQ ID NO: 30 + Enhancer 9

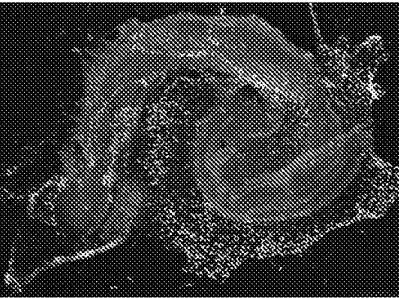


FIG. 8A

AAV-DJ p.hGJB2(SEQ ID NO: 30) +
Enhancer GH-H2B-EGFP

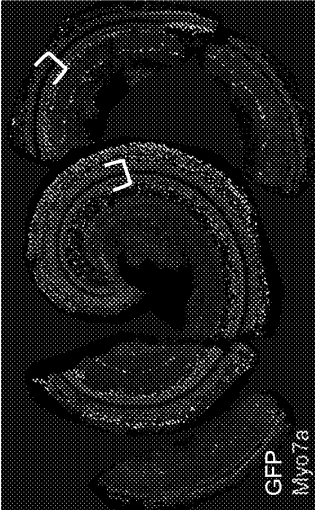


FIG. 8B

AAV-DJ p.hGJB2(SEQ ID NO: 30) +
Enhancer 9-H2B-EGFP

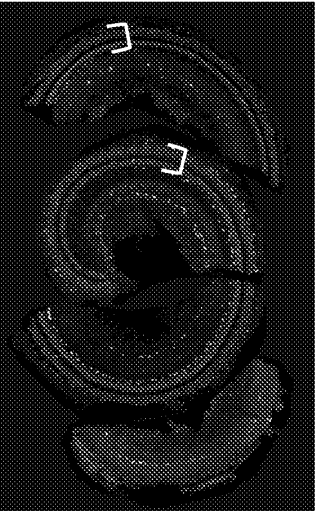


FIG. 8C



FIG. 8D

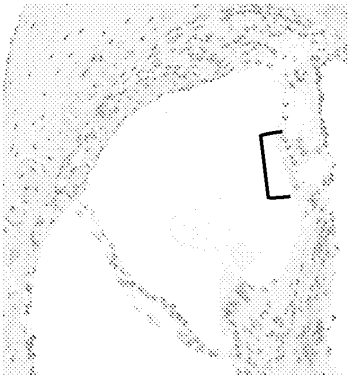


FIG. 9A

AAV-DJ p.hGJB2(SEQ ID NO: 30) +
Enhancer GH-H2B-EGFP

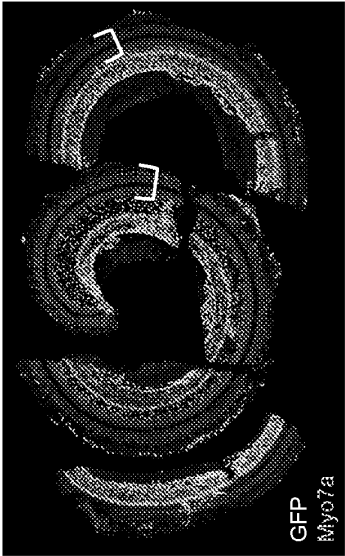


FIG. 9B

AAV-DJ p.hGJB2(SEQ ID NO: 30) +
Enhancer 9-H2B-EGFP

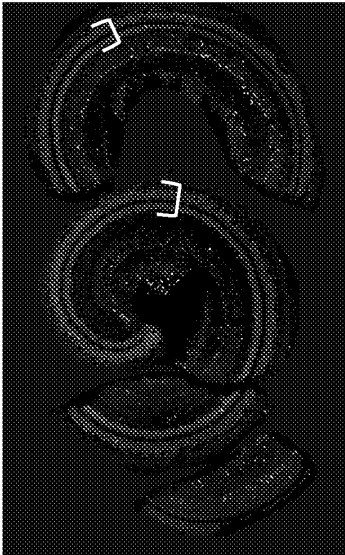


FIG. 10A

AAV1 p.hGJB2(SEQ ID NO: 30)+Enhancer GH-H2B-EGFP

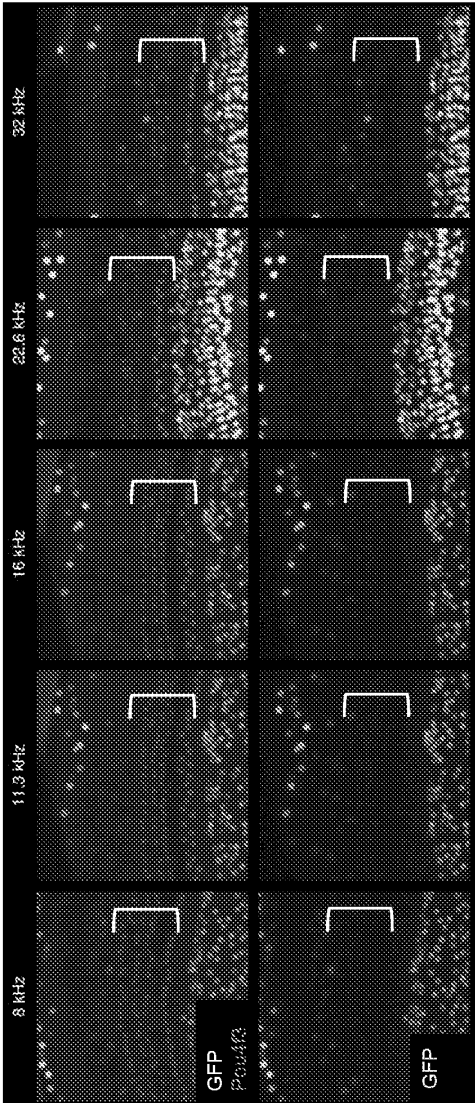


FIG. 10B

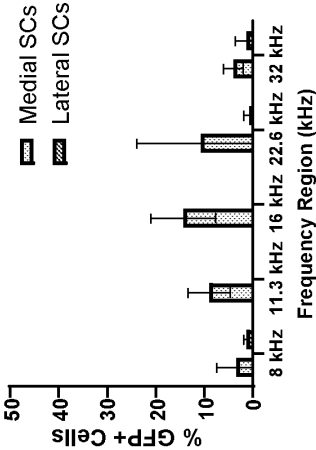
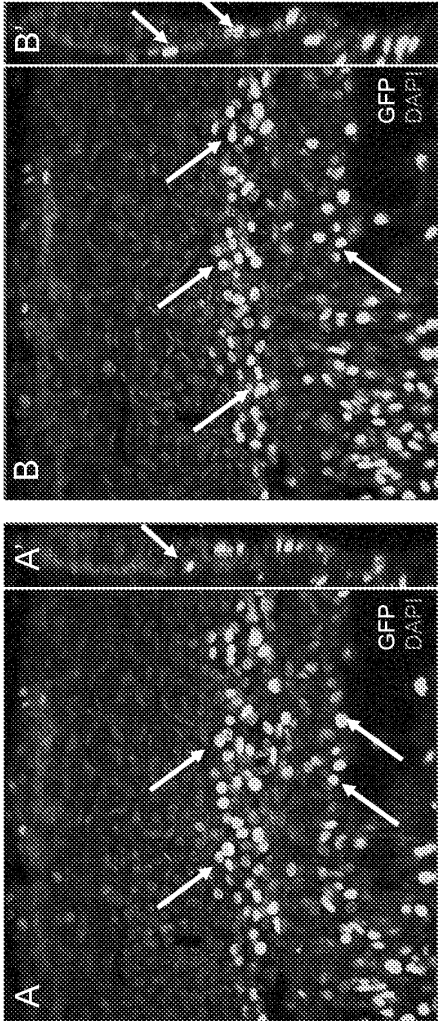


FIG. 11A

FIG. 11B

AAV1 p.hGJB2(SEQ ID NO: 30)+Enhancer GH-H2B-EGFP



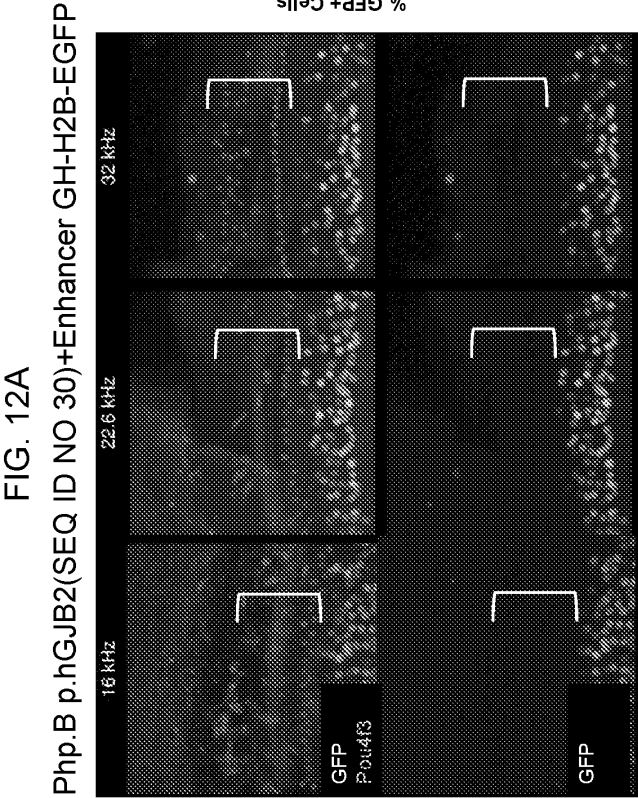


FIG. 12B

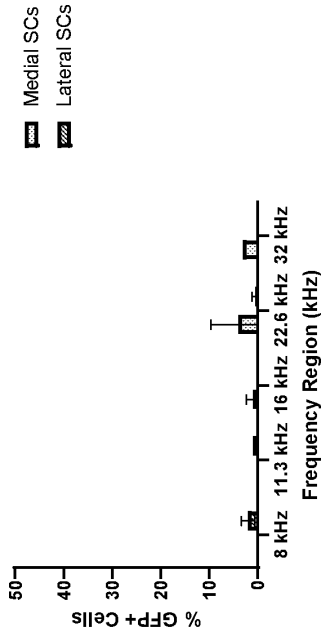


FIG. 13A

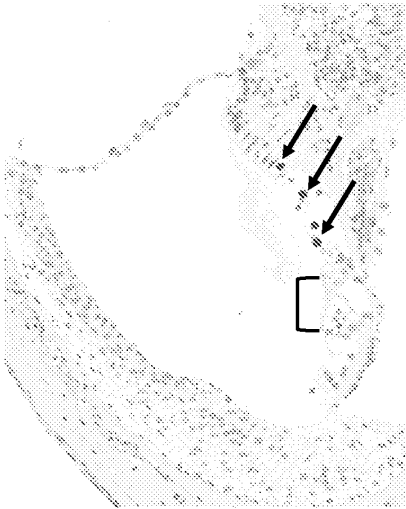
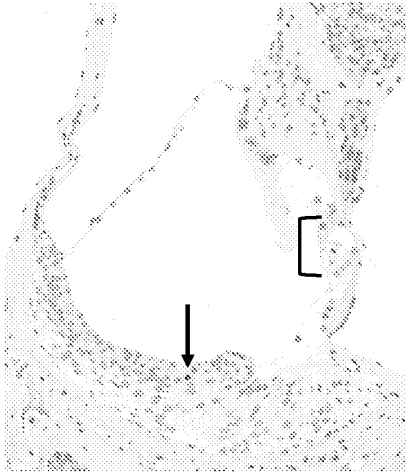


FIG. 13B



Php.B p.hGJB2(SEQ ID NO: 30)+Enhancer GH-H2B-EGFP

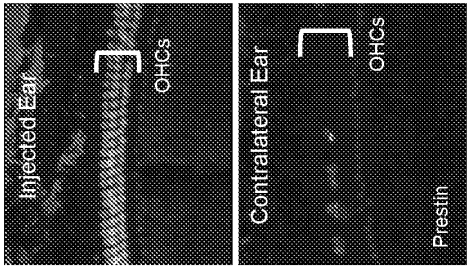
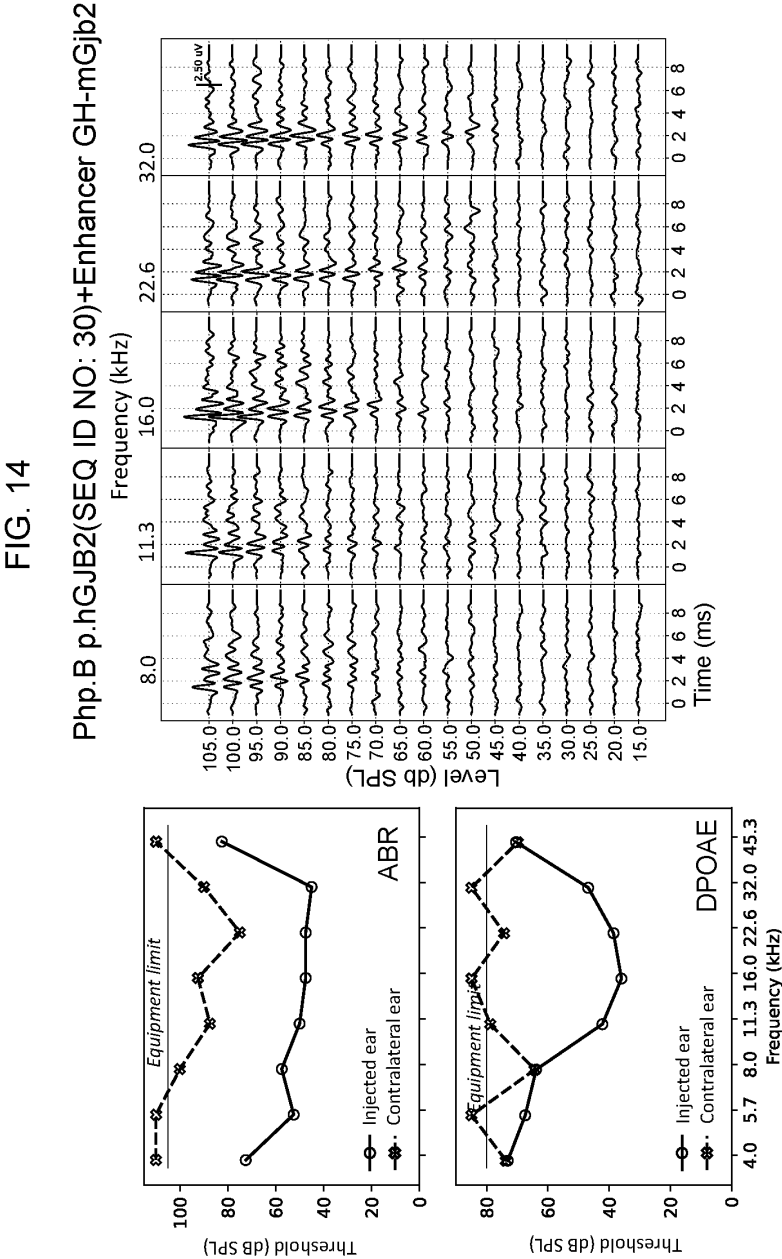


FIG. 15

AAV1 p.hGJB2(SEQ ID NO: 30)+Enhancer GH-mGjb2

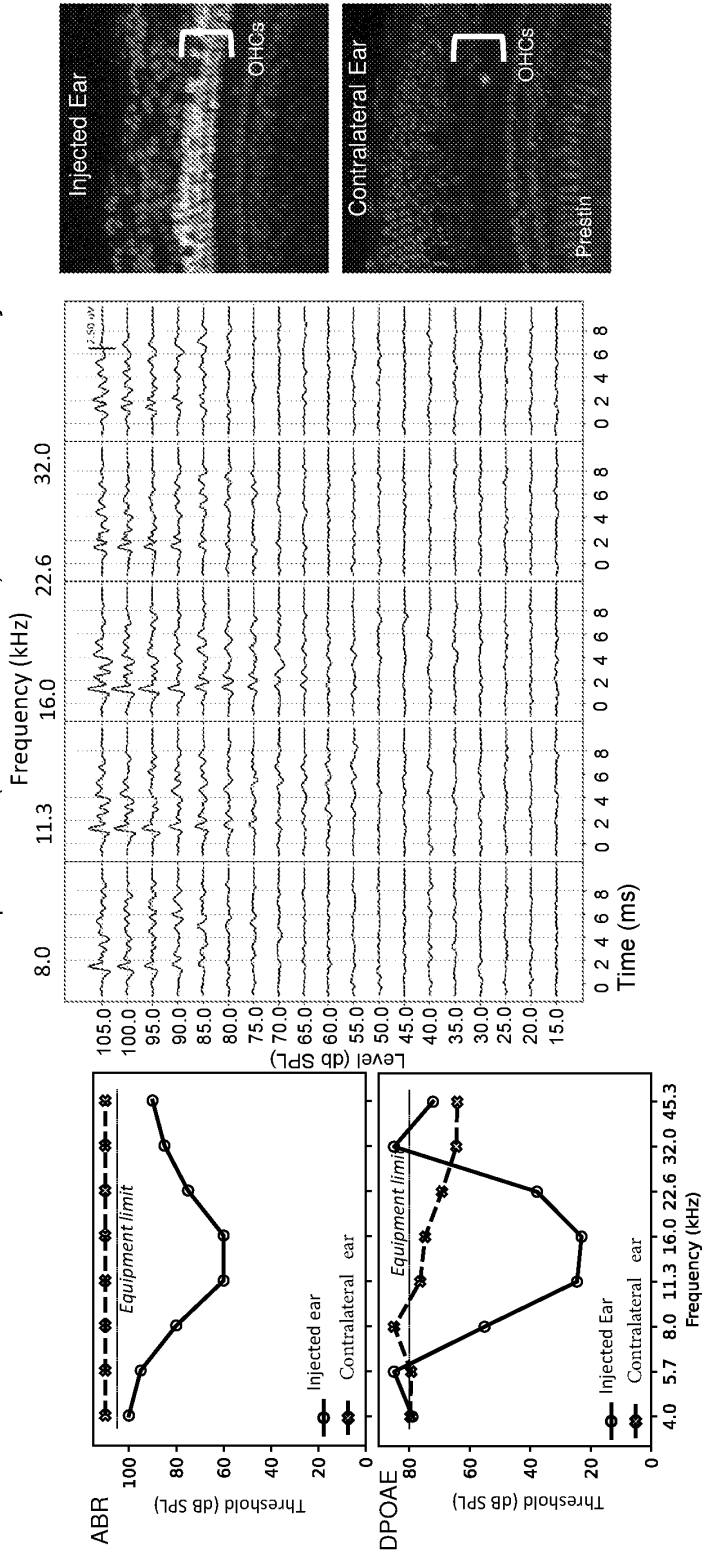


FIG. 16

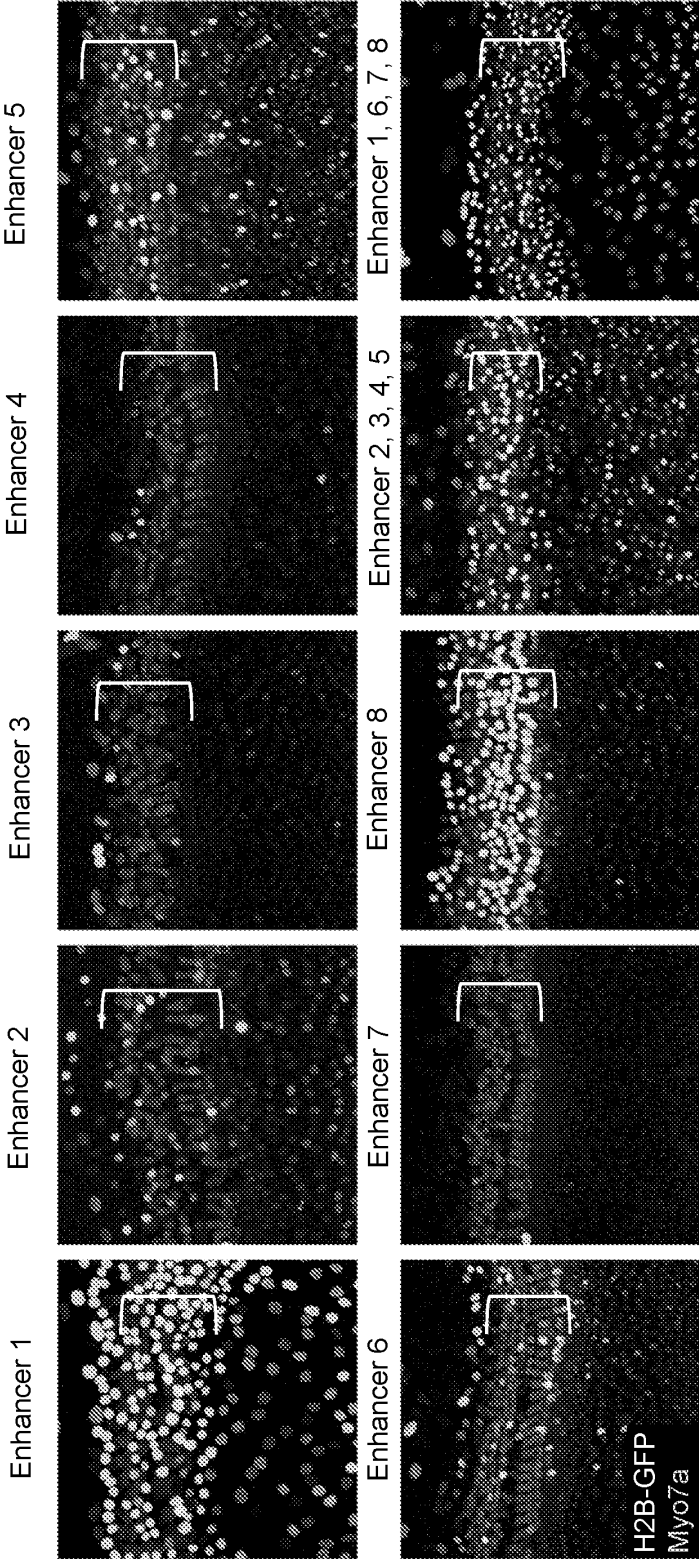


FIG. 17

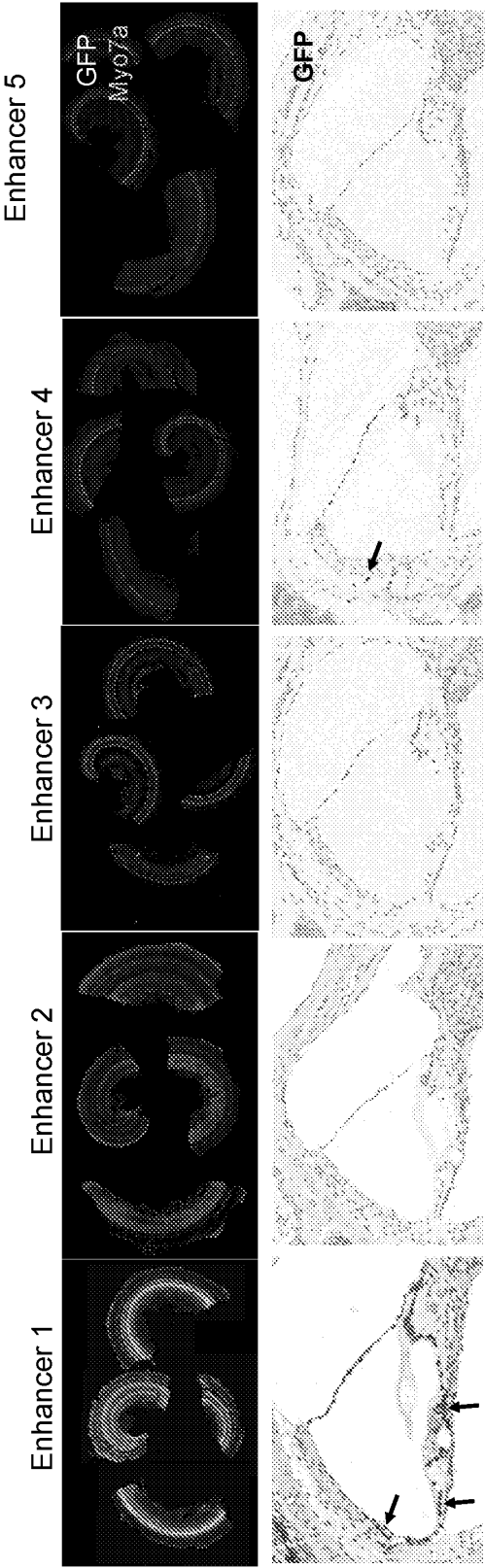


FIG. 18

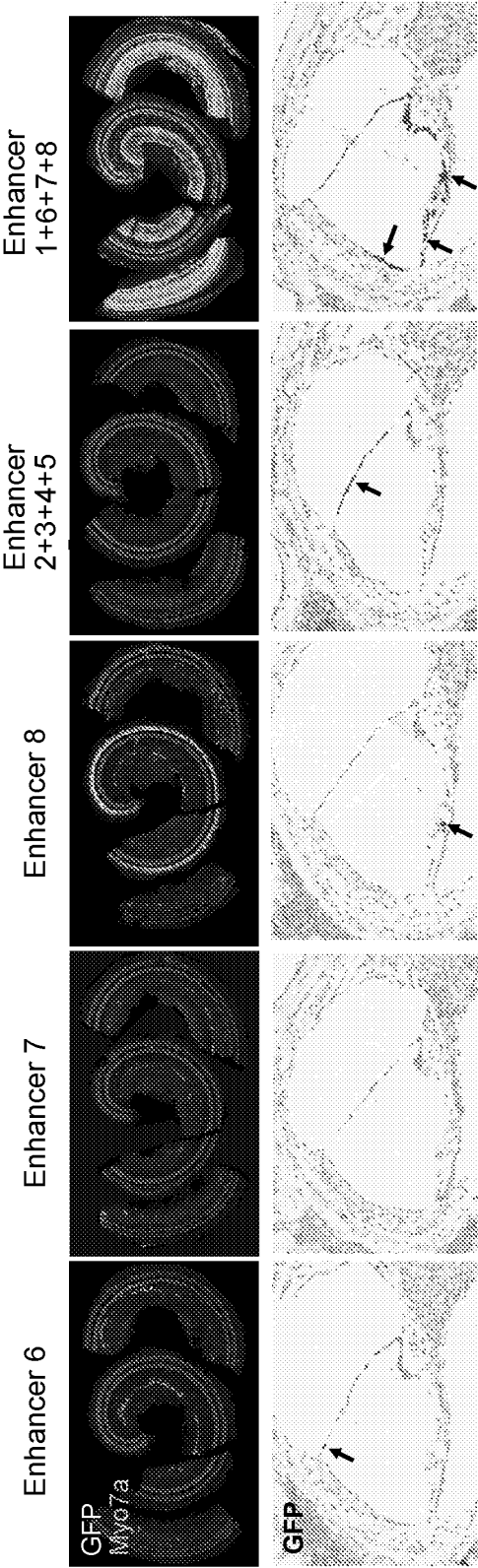


FIG. 19A



FIG. 19B

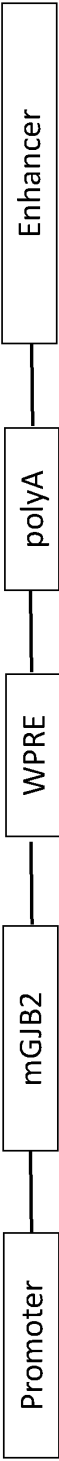


FIG. 19C

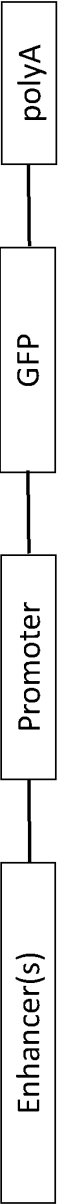


FIG. 20A

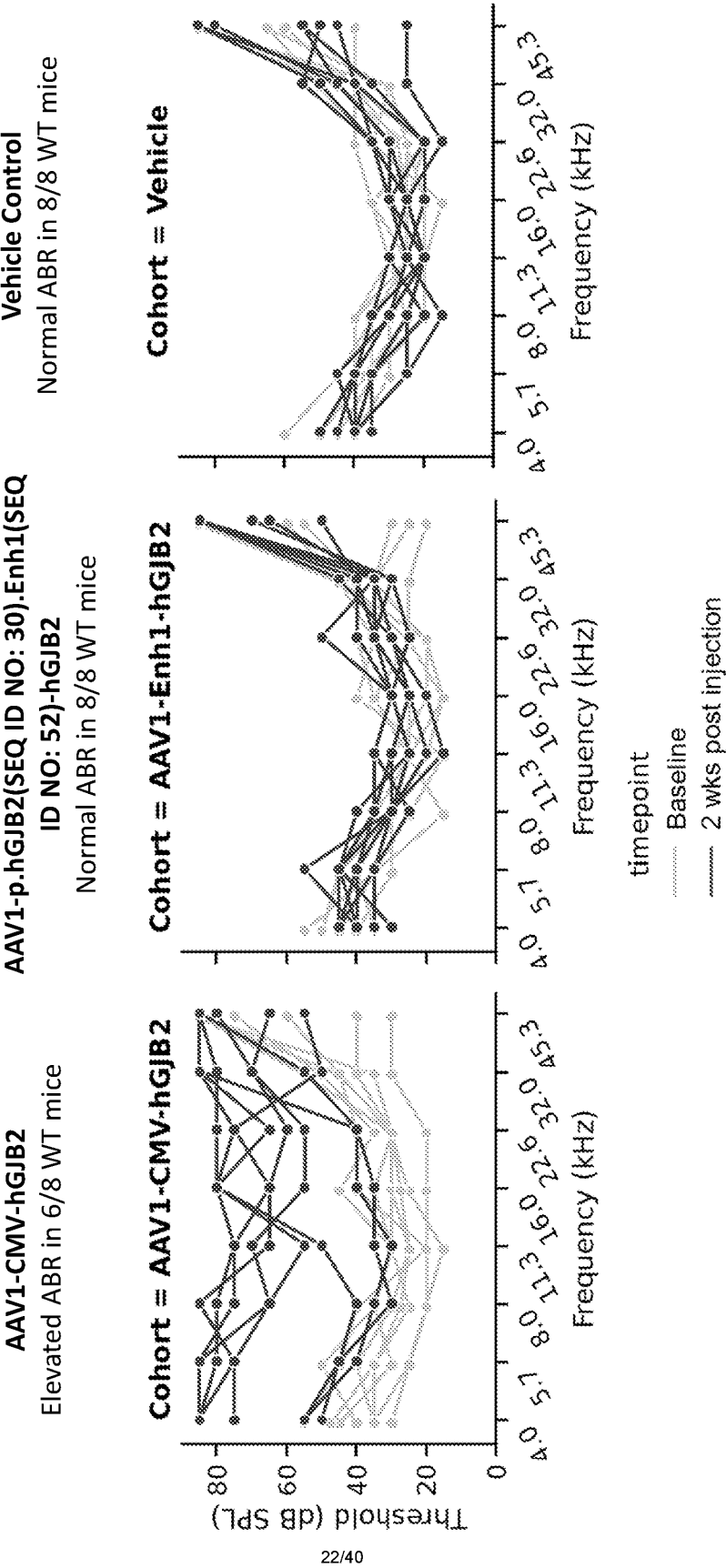


FIG. 20B

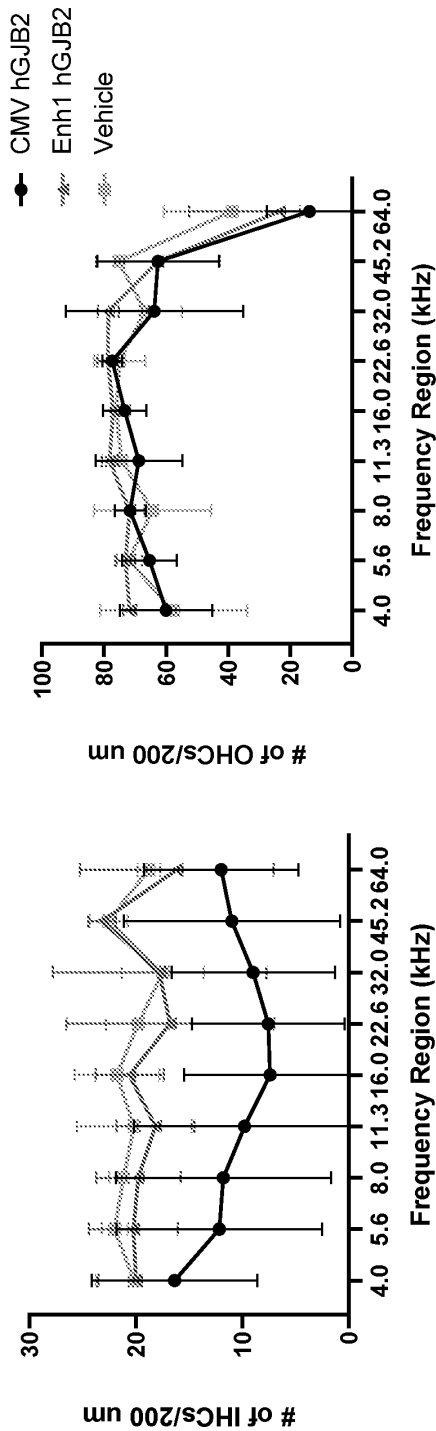


FIG. 21A

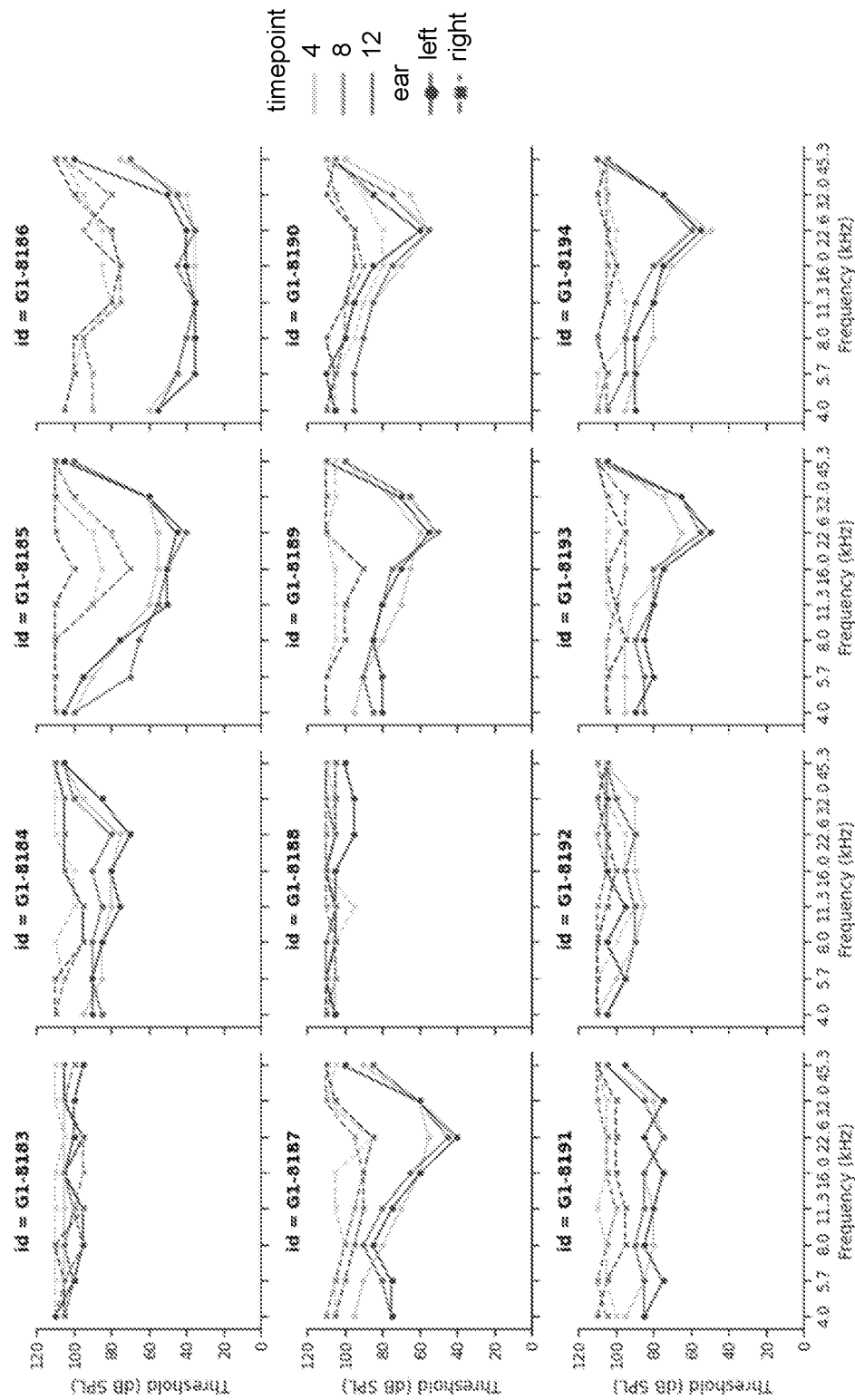


FIG. 21B

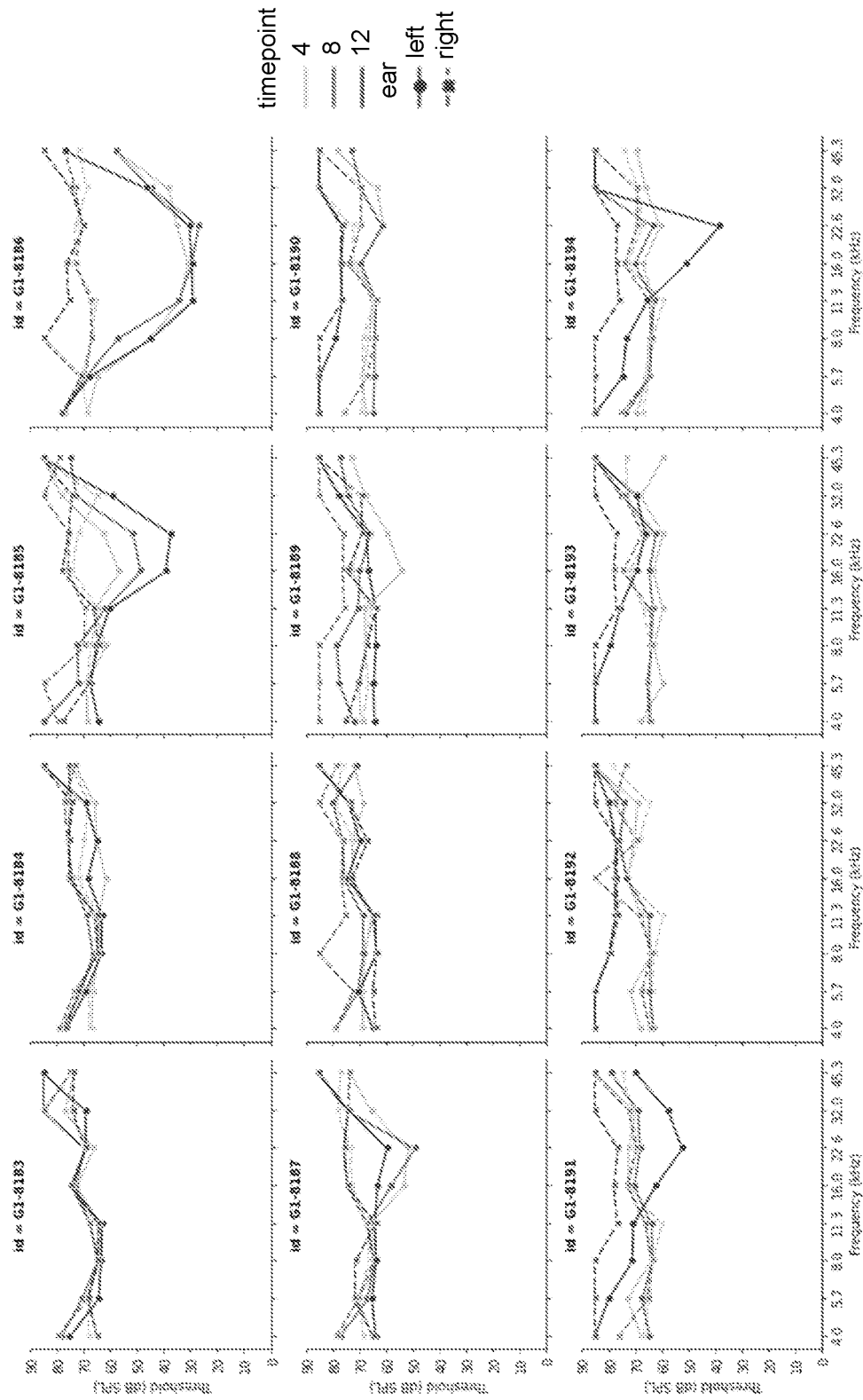


FIG. 21C

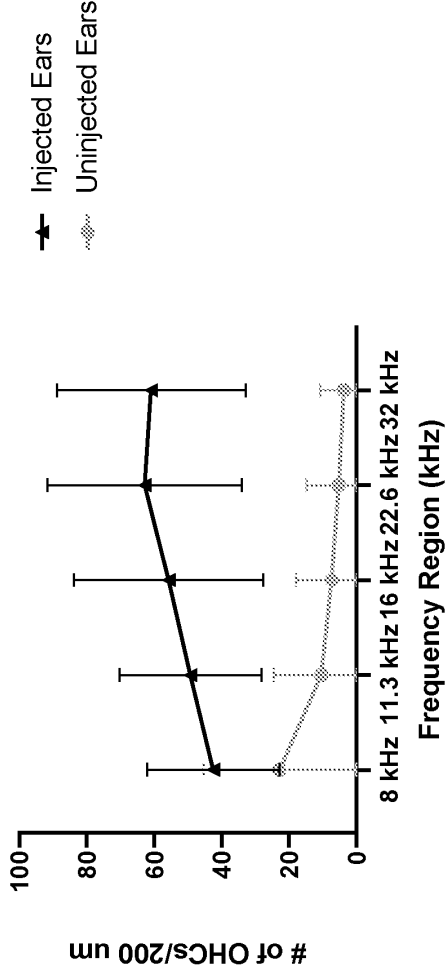


FIG. 22A

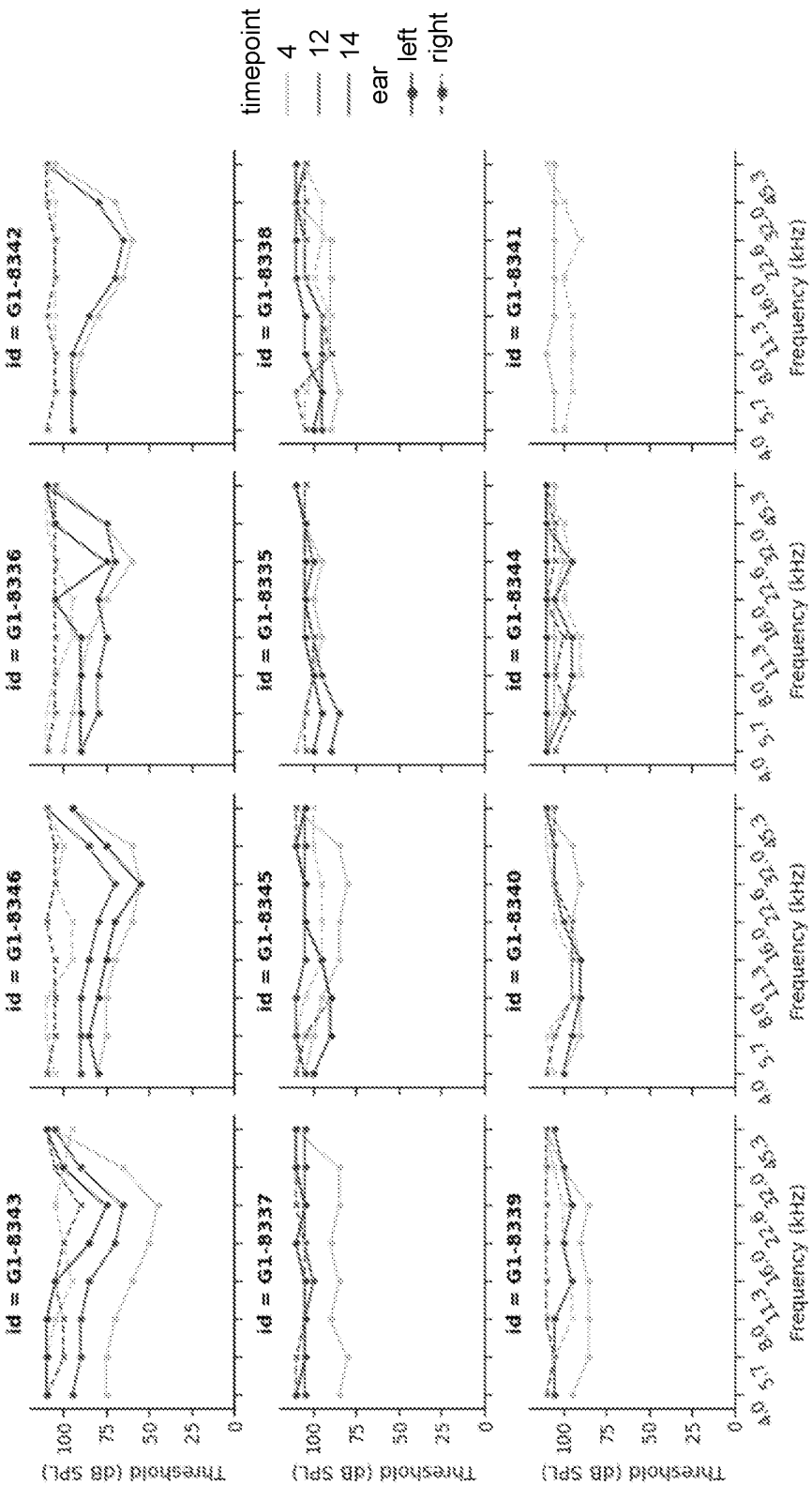


FIG. 22B

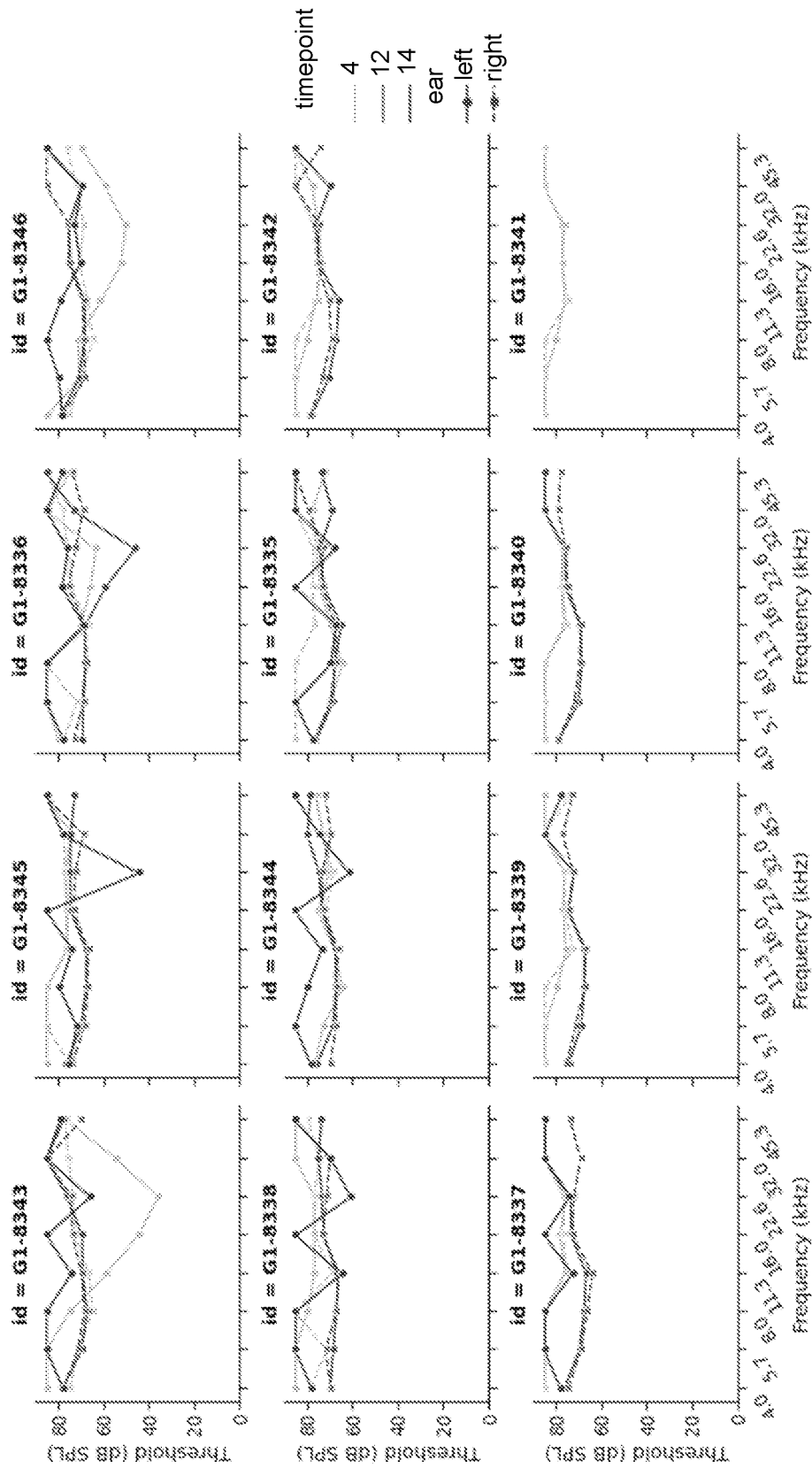


FIG. 22C

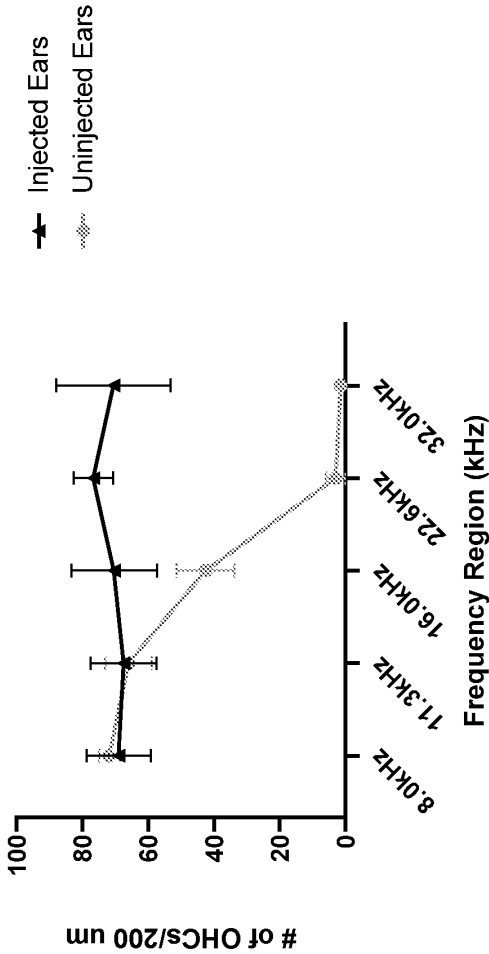


FIG. 23A

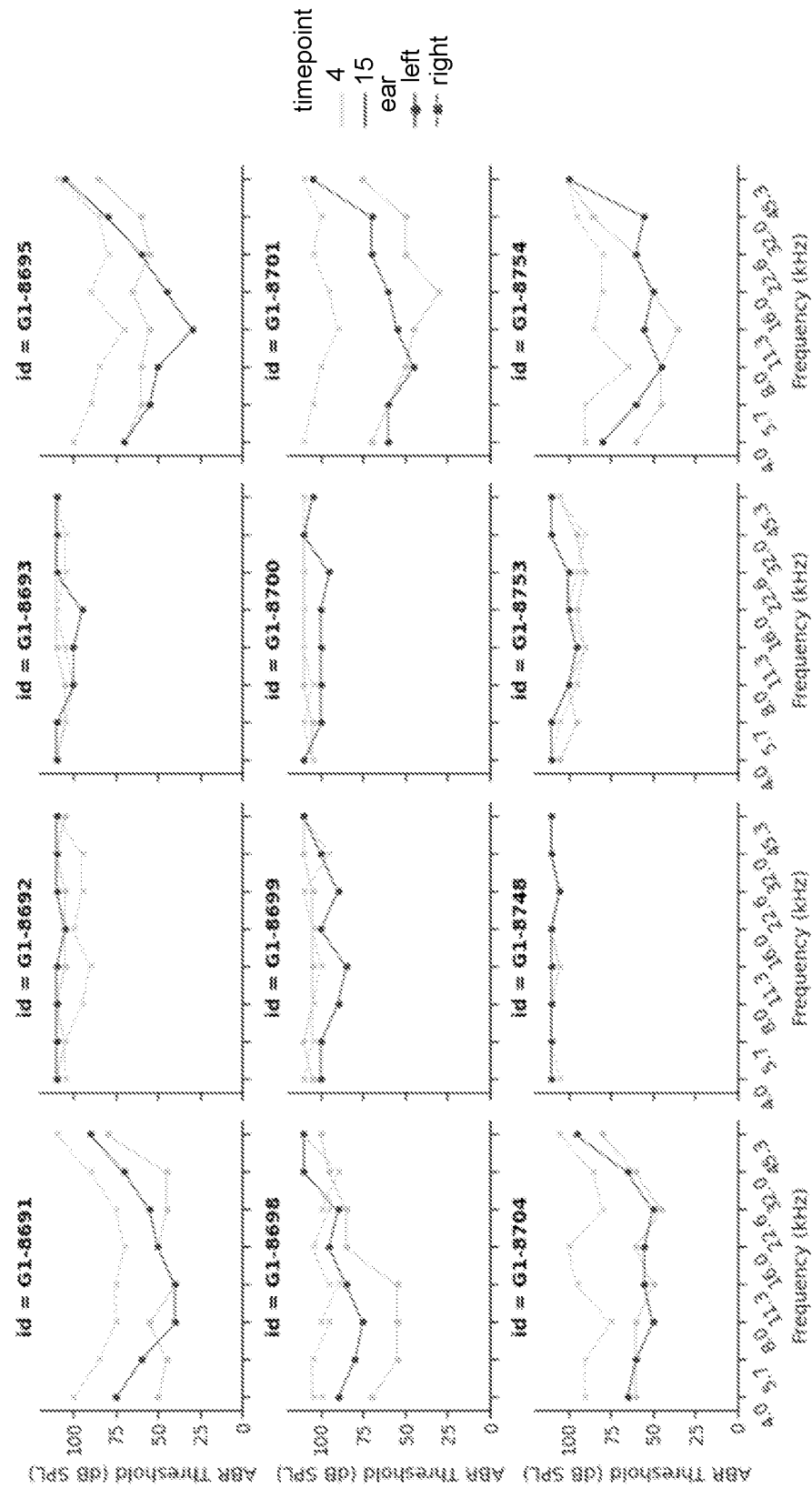


FIG. 23B

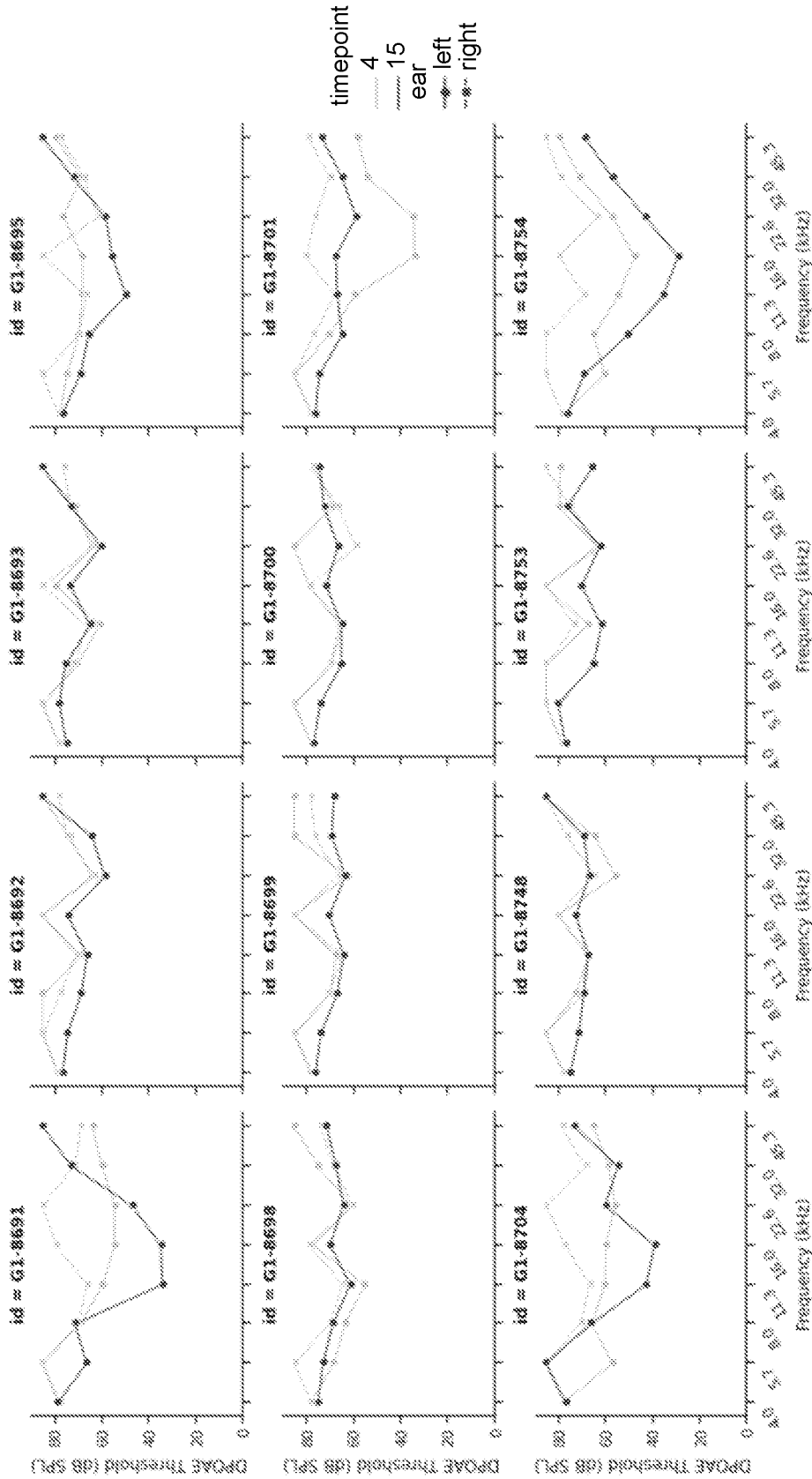


FIG. 23C

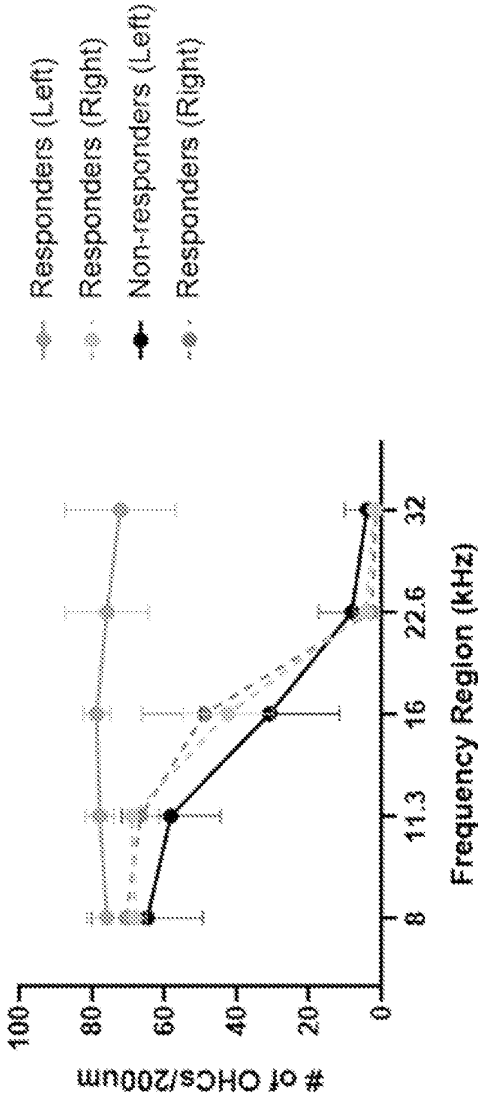


FIG. 24

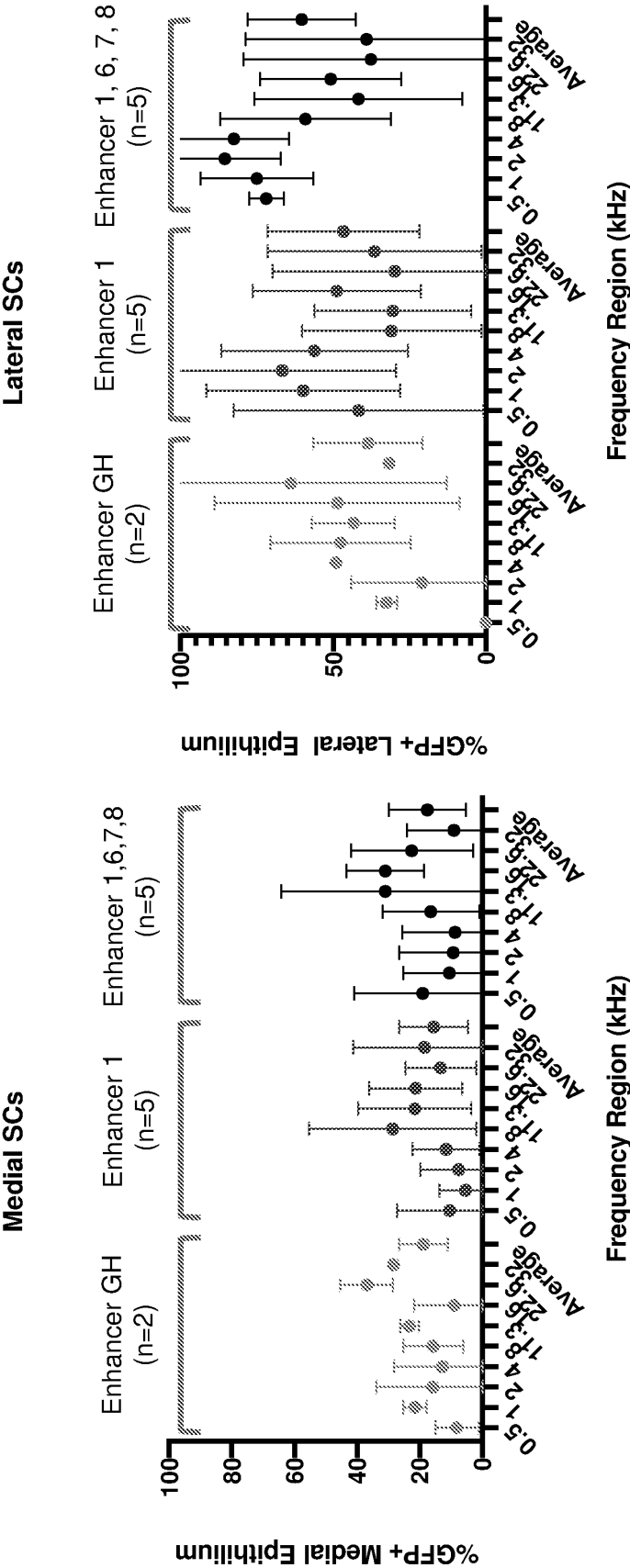


FIG. 25A

AAV1-p.hGJB2(SEQ ID NO: 30)+Enhancer 1(SEQ ID NO: 52)-GFP

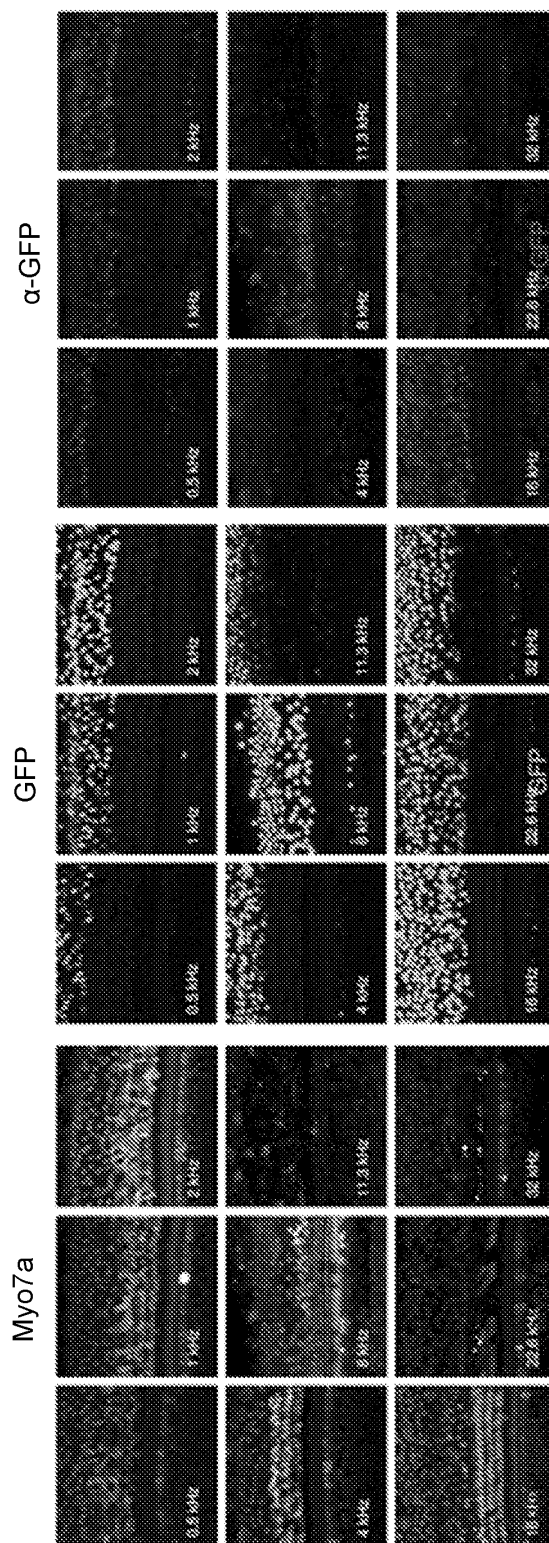


FIG. 25B

AAV1-p.hGJB2(SEQ ID NO: 30)+Enhancer GH(SEQ ID NO: 60)-GFP

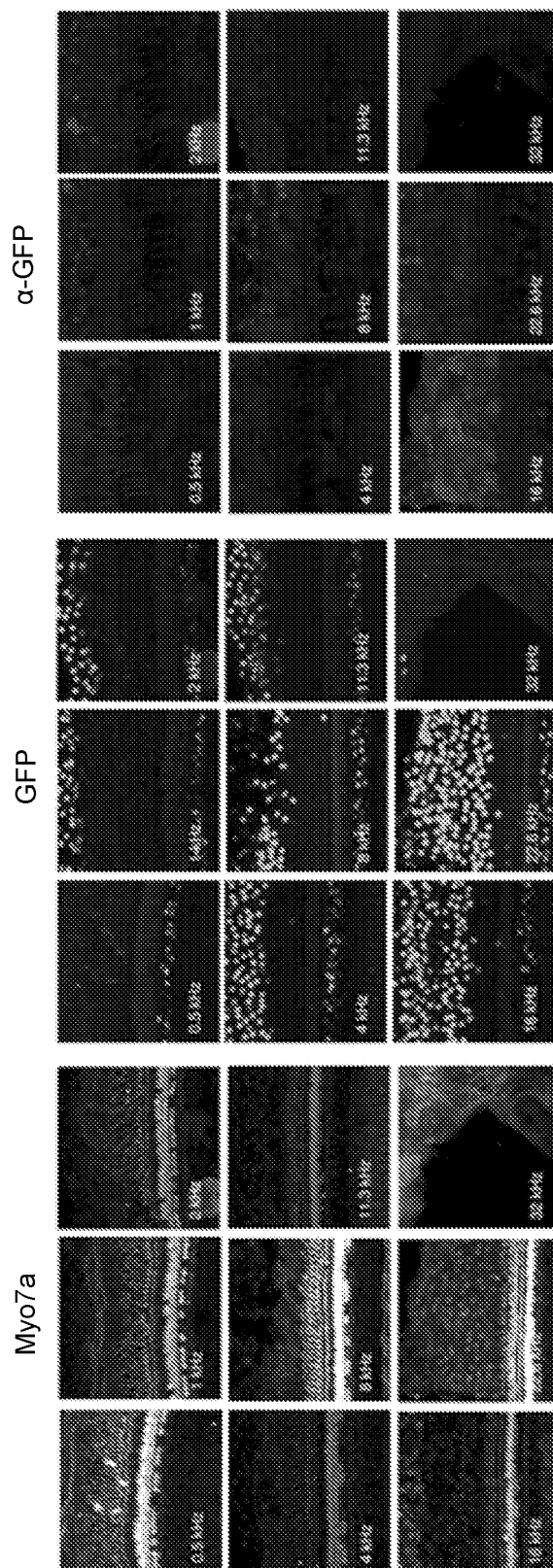


FIG. 25C

AAV1-p.hGJB2(SEQ ID NO: 30)+Enhancers 1+6+7+8(SEQ ID NOs: 52, 57, 58, 59)-GFP

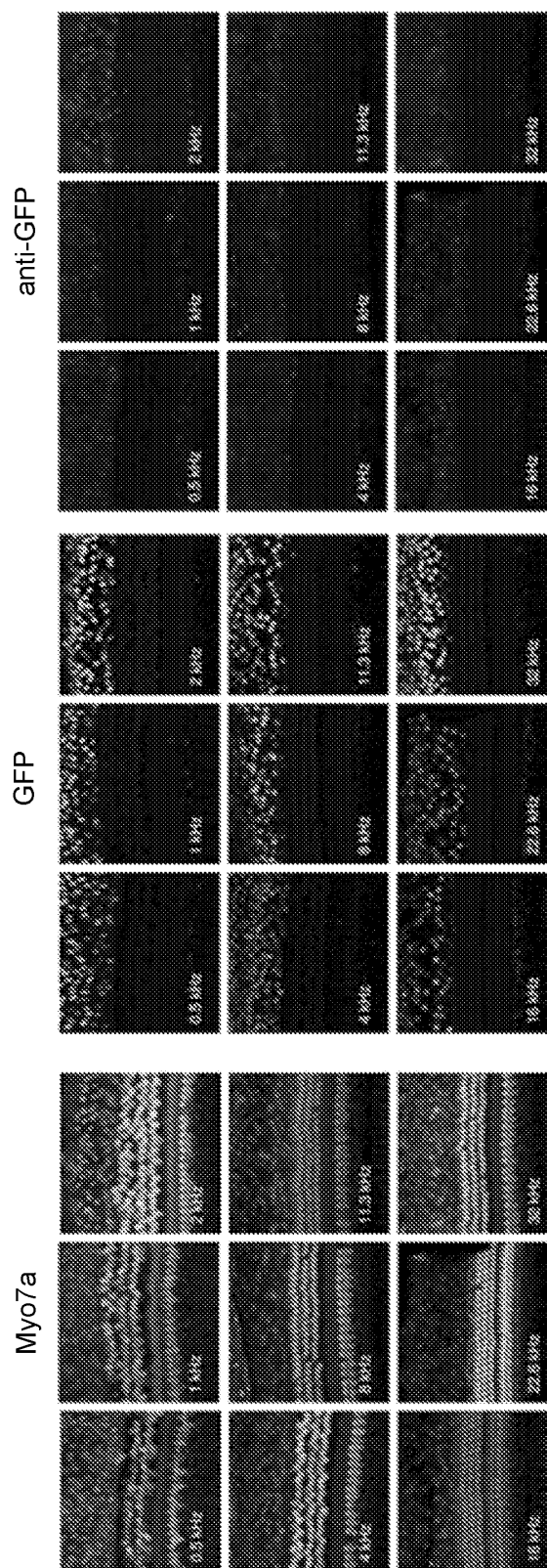


FIG. 26

Group	Animal ID	L/R	Stain	IHCs	OHCs	SL	Inner Sulcus	IBC	IPhC	IPC	OPC	Deiter Cells	Claudius/Hensen	Outer Sulcus	Spiral Prominence	Fibrocytes	Basal Cells	Intermediate Cells	Marginal Cells	SGN	SG Glia
G1	FR1314	R	GFP (IHC)	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
			GFP (ISH)	2	2	2	2	3	2	1	2	2	3	3	3	3	0	0	0	2	2
G2	BC1083	R	GFP (IHC)	0	0	0	0	0	0	0	0	2	3	3	3	3	2	0	0	0	0
			GFP (ISH)	2	2	2	2	2	2	2	2	2	3	3	3	3	0	0	0	2	2
G2	FR1620	R	GFP (IHC)	0	2	2	2	2	2	0	0	1	3	3	3	2	2	0	0	0	0
			GFP (ISH)	2	3	3	2	2	2	1	1	3	3	3	3	3	0	0	0	2	2
G3	NV594	L	GFP (IHC)	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0
			GFP (ISH)	2	3	3	1	2	2	2	2	2	3	3	3	3	0	0	0	2	2
G3	EC828	R	GFP (IHC)	0	0	1	1	2	1	1	1	1	2	2	2	1	0	0	0	1	1
			GFP (ISH)	2	2	2	1	2	1	1	1	1	3	2	3	3	1	1	1	1	2

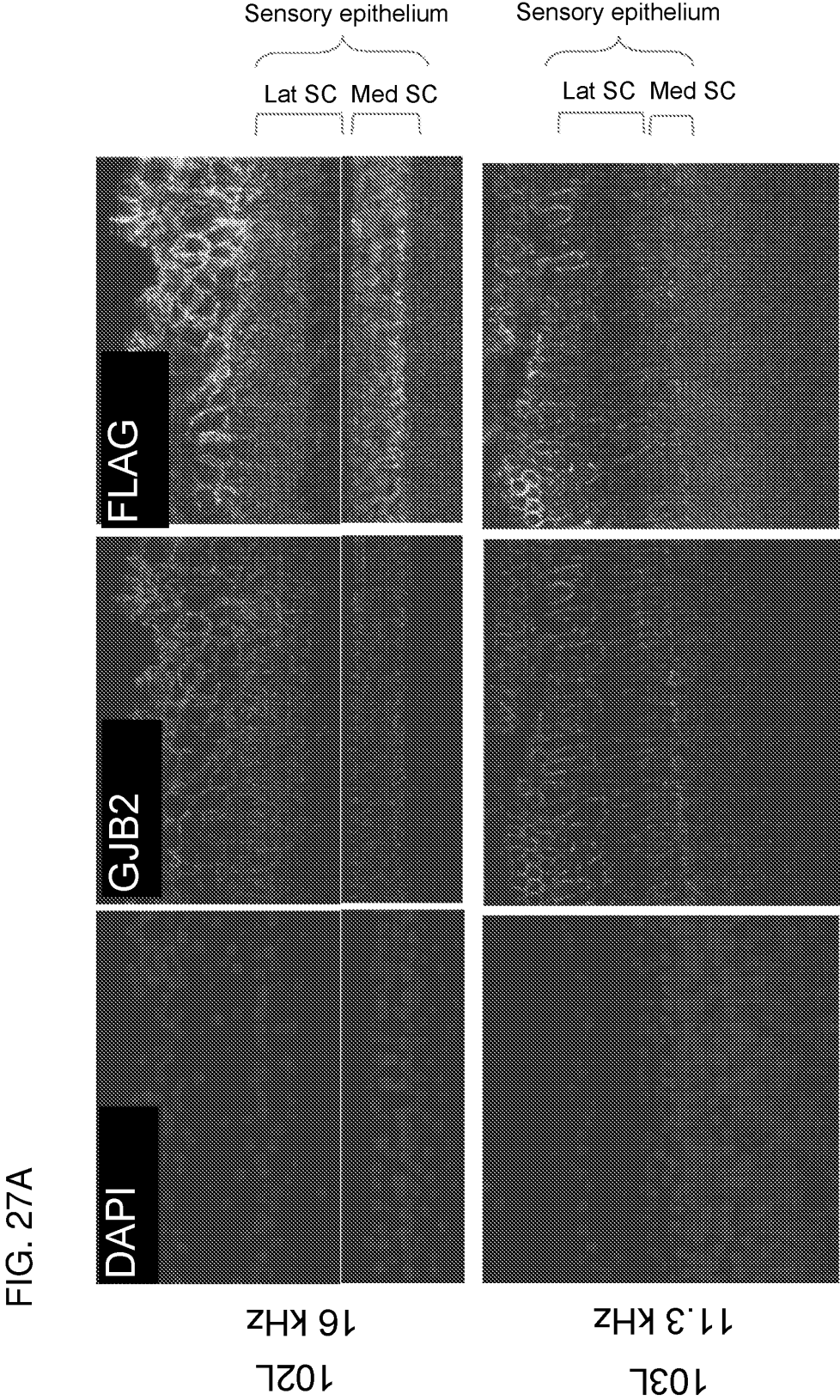


FIG. 27B

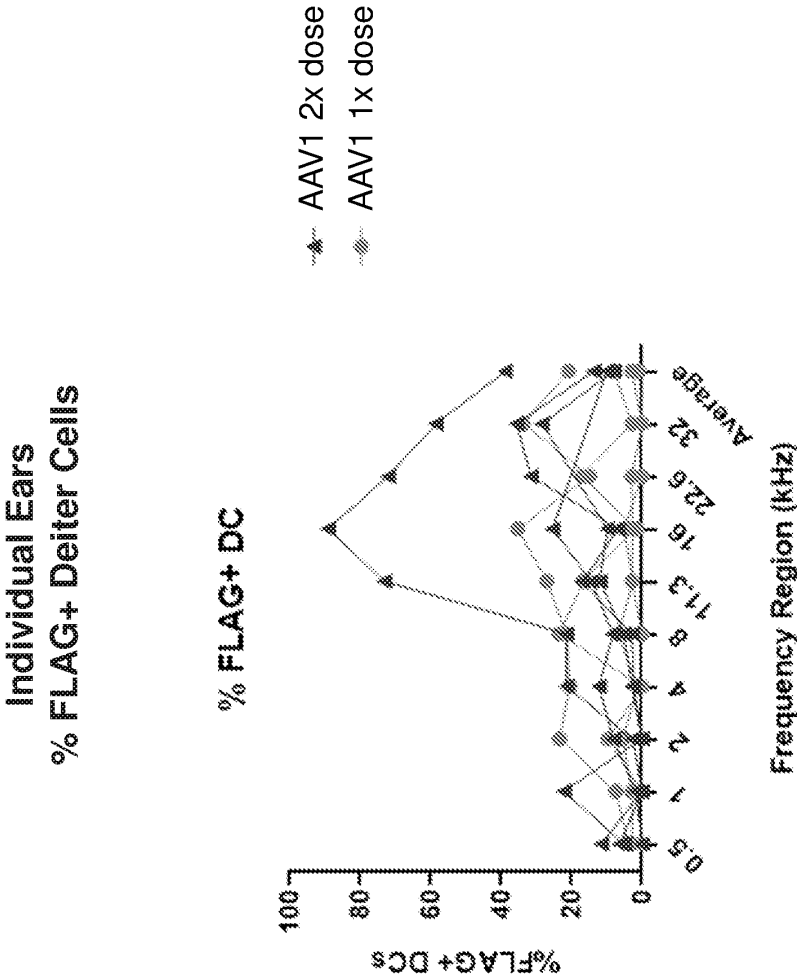


FIG. 28

