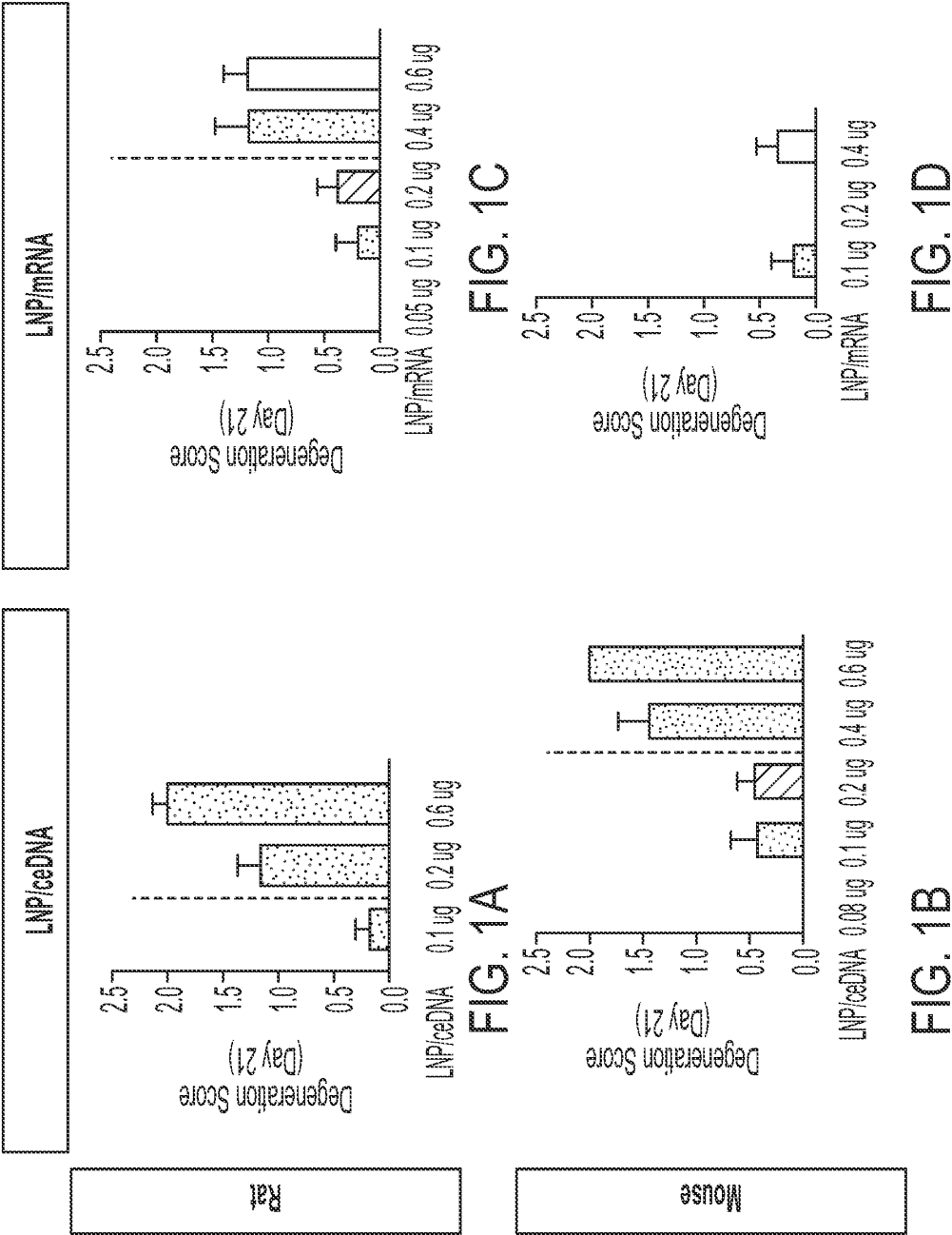
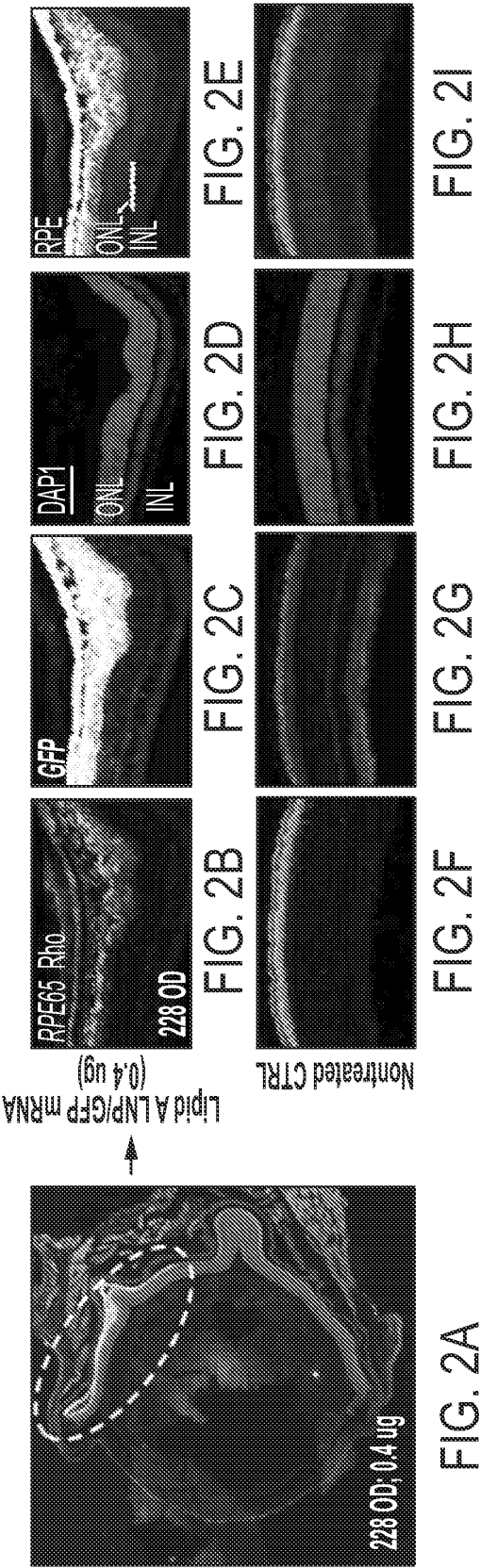






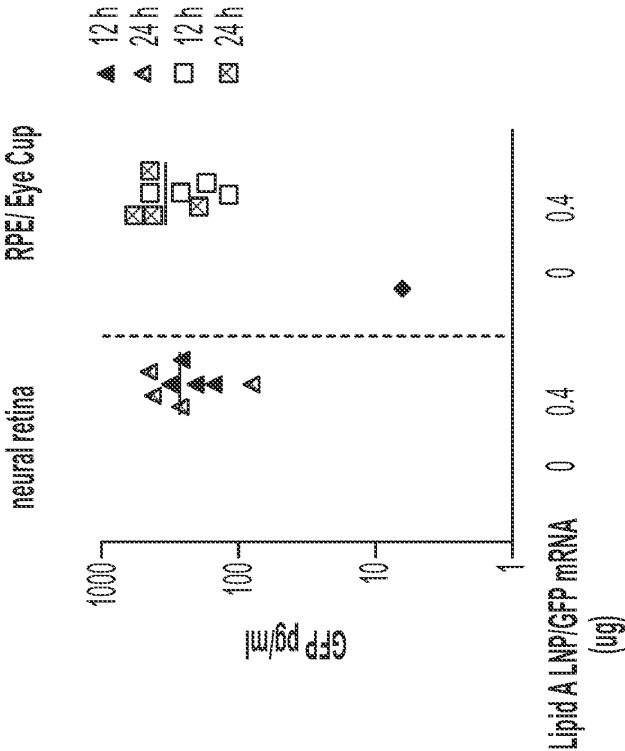


FIG. 3

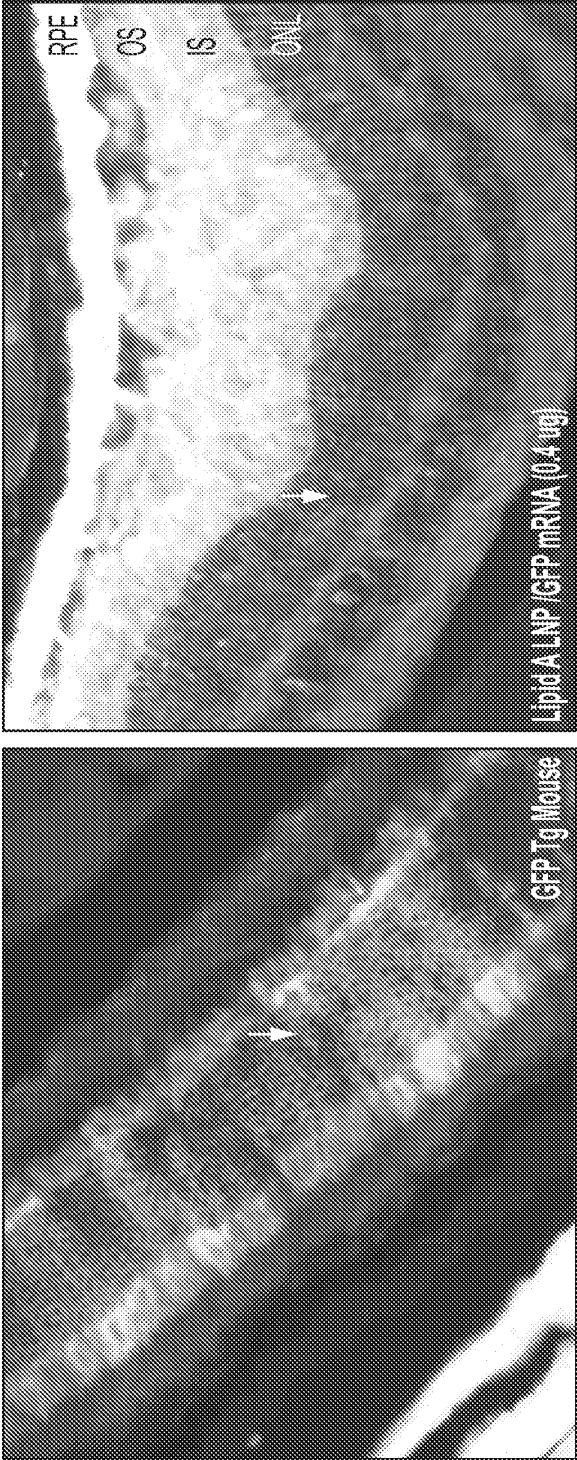


FIG. 4B

FIG. 4A

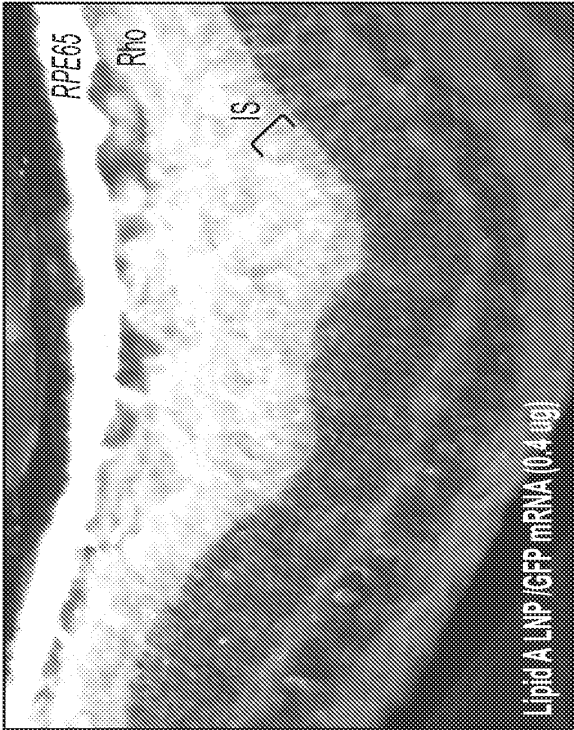


FIG. 5B

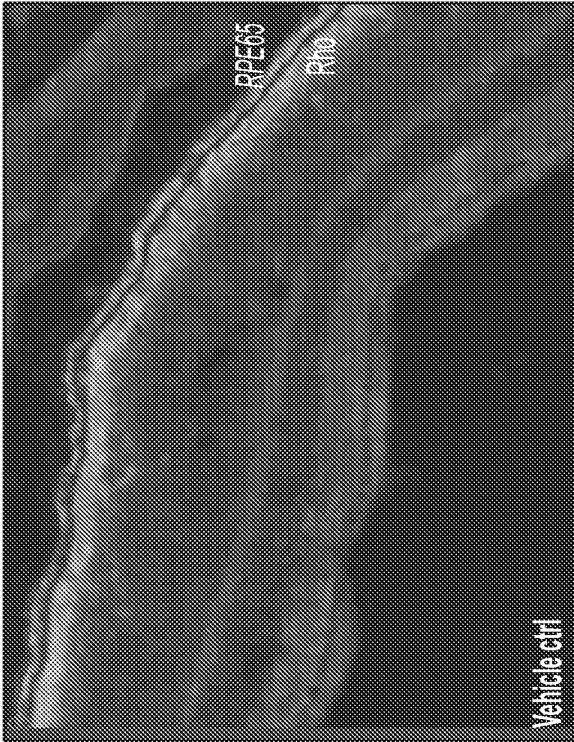


FIG. 5A

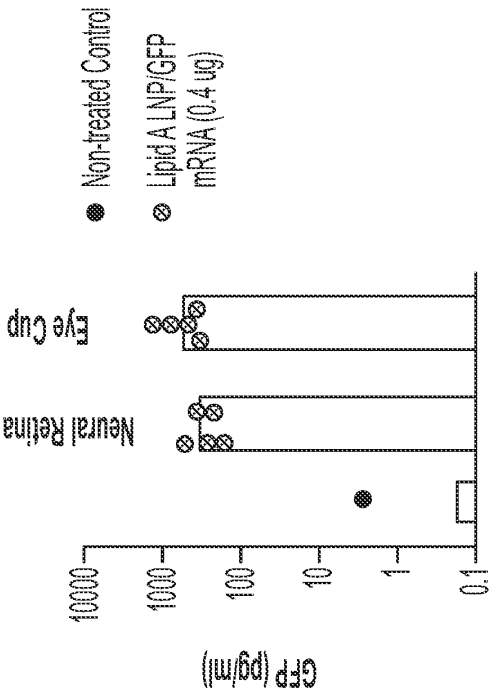
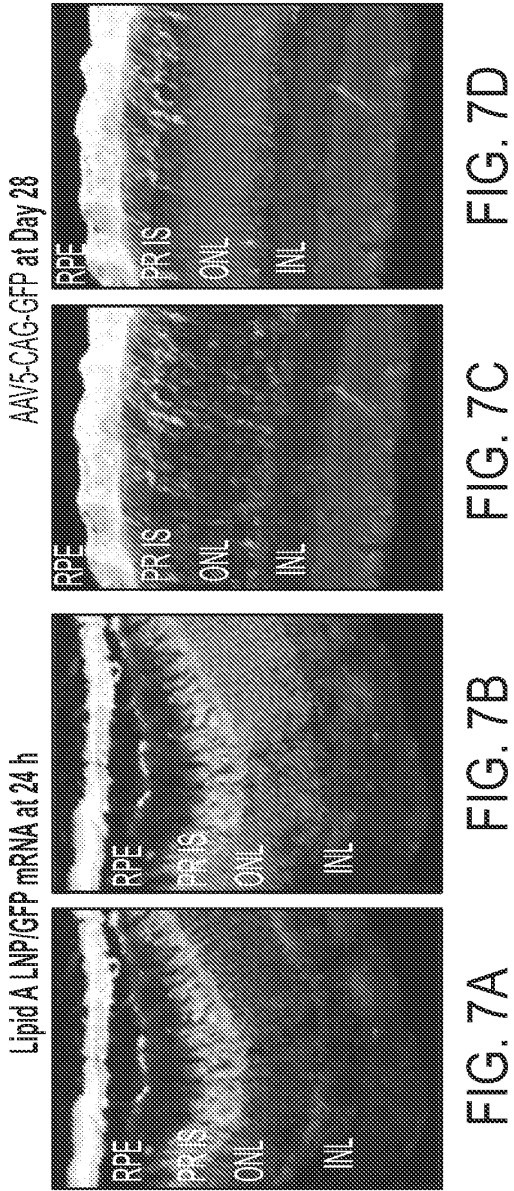


FIG. 6



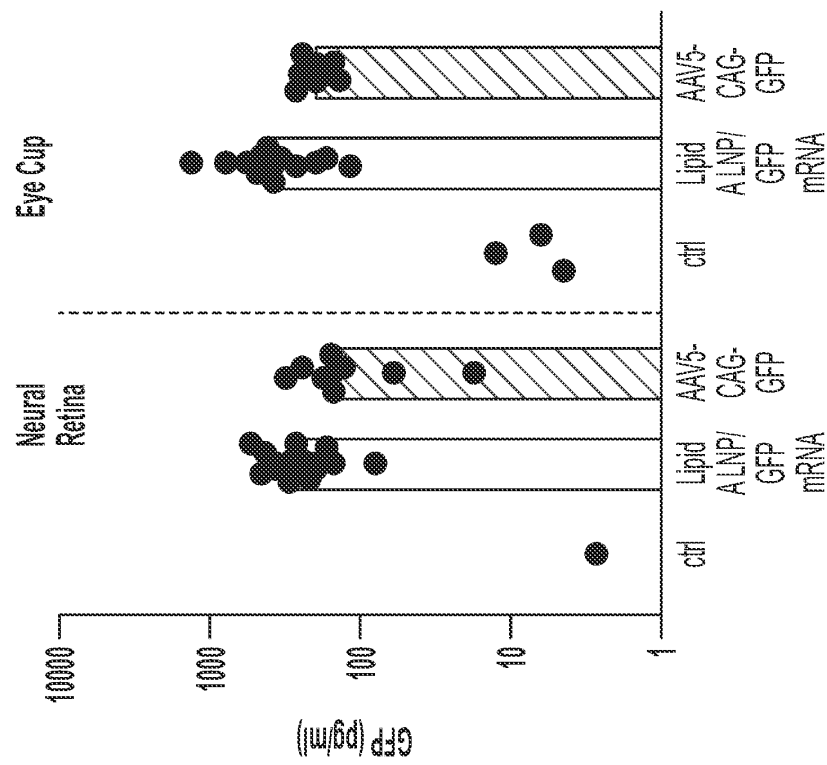


FIG. 7E

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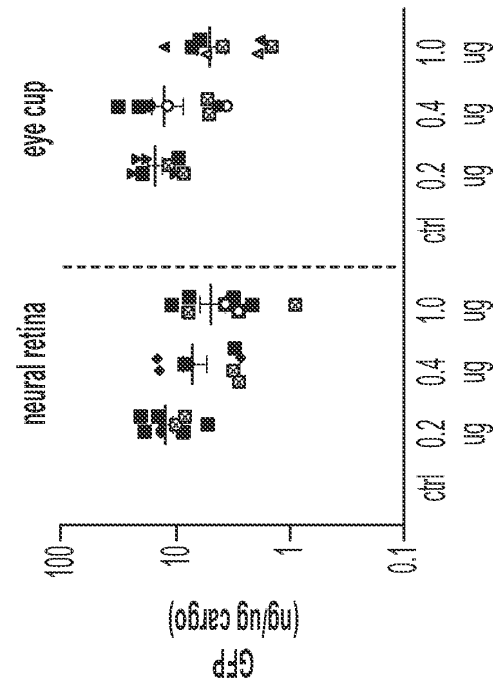


FIG. 8B

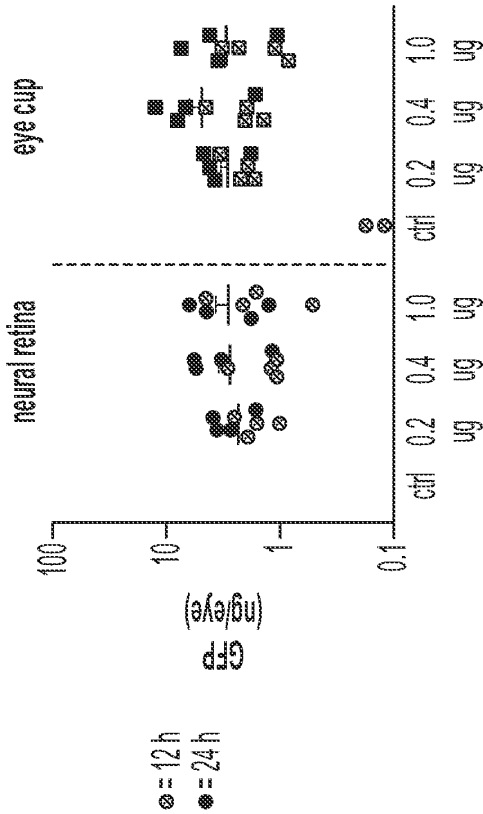


FIG. 8A

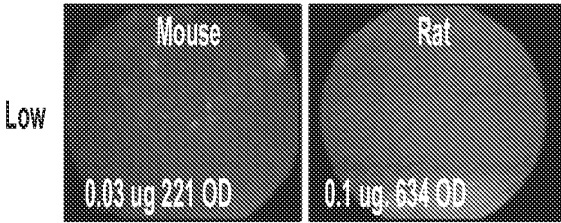


FIG. 9A FIG. 9D

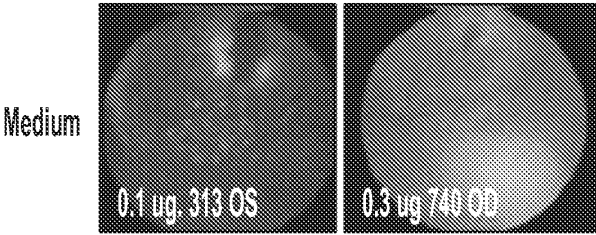


FIG. 9B FIG. 9E

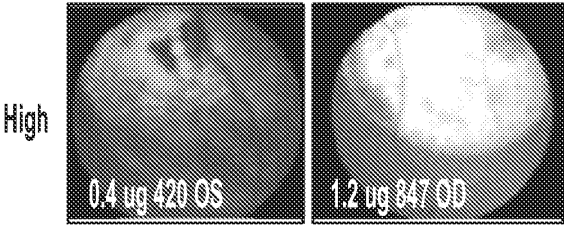
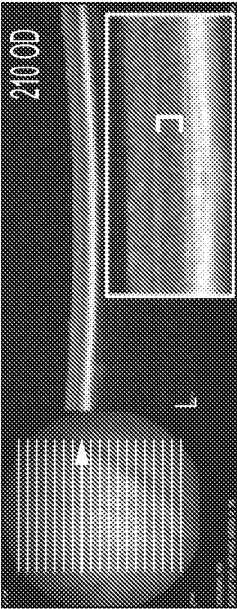


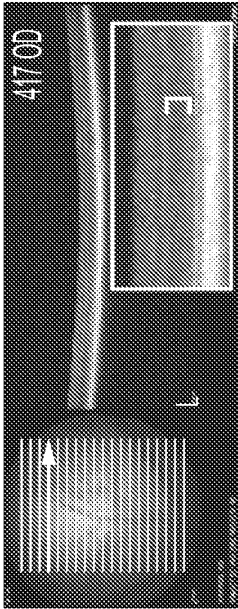
FIG. 9C FIG. 9F

	Mouse (ug)	Rat (ug)
Low	0.03	0.1
Medium	0.1	0.3
High	0.4	1.2



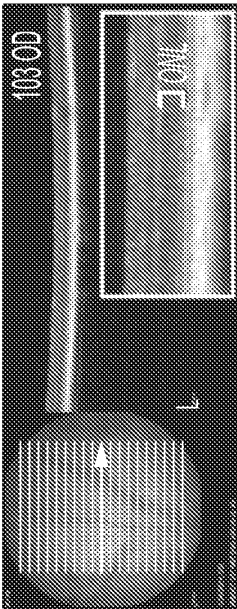
Lipid A LNP/
GFP mRNA
(0.03 ug)

FIG. 10B



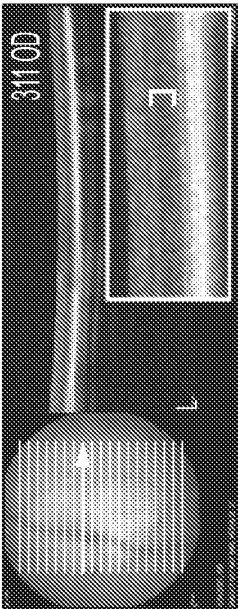
Lipid A LNP/
GFP mRNA
(0.4 ug)

FIG. 10D



Vehicle

FIG. 10A



Lipid A LNP/
GFP mRNA
(0.1 ug)

FIG. 10C

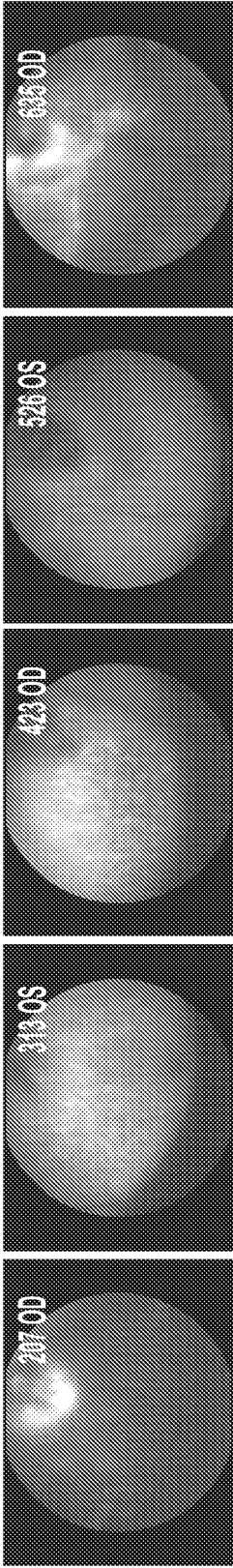


FIG. 11A Lipid A LNP/ GFP mRNA

FIG. 11B MC3 LNP/ GFP mRNA

FIG. 11C CTRL Lipid Z 1 LNP/ GFP mRNA

FIG. 11D CTRL Lipid Z 2 LNP/ GFP mRNA

FIG. 11E Lipid 58 LNP/ GFP mRNA

FIG. 11A

FIG. 11B

FIG. 11C

FIG. 11D

FIG. 11E

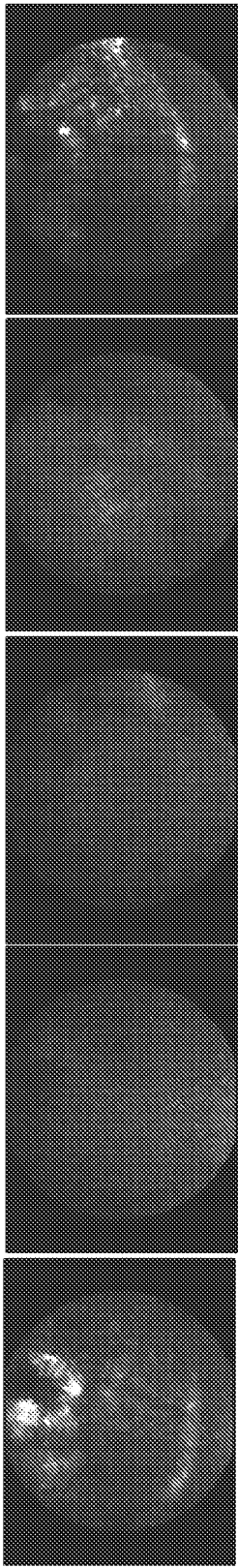


FIG. 11F

FIG. 11G

FIG. 11H

FIG. 11I

FIG. 11J

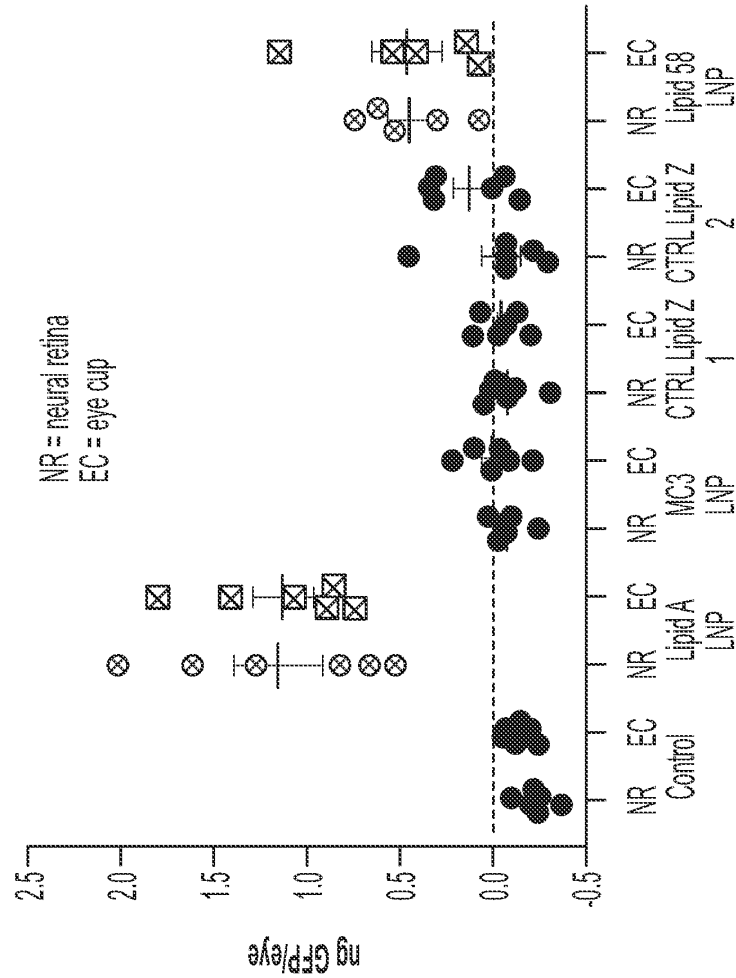


FIG. 12

▨ All Eyes
▩ Confirmed Bleb
▧ Verified Treatment Area

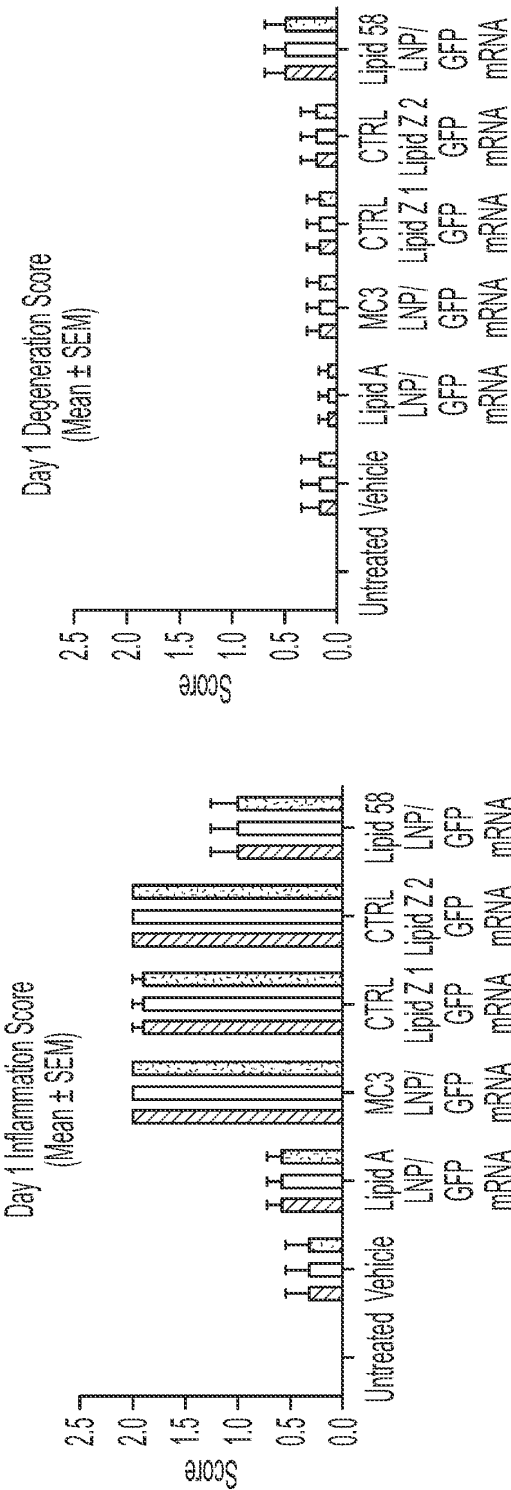


FIG. 13B

FIG. 13A

- All Eyes
- Confirmed Bleb
- Verified Treatment Area

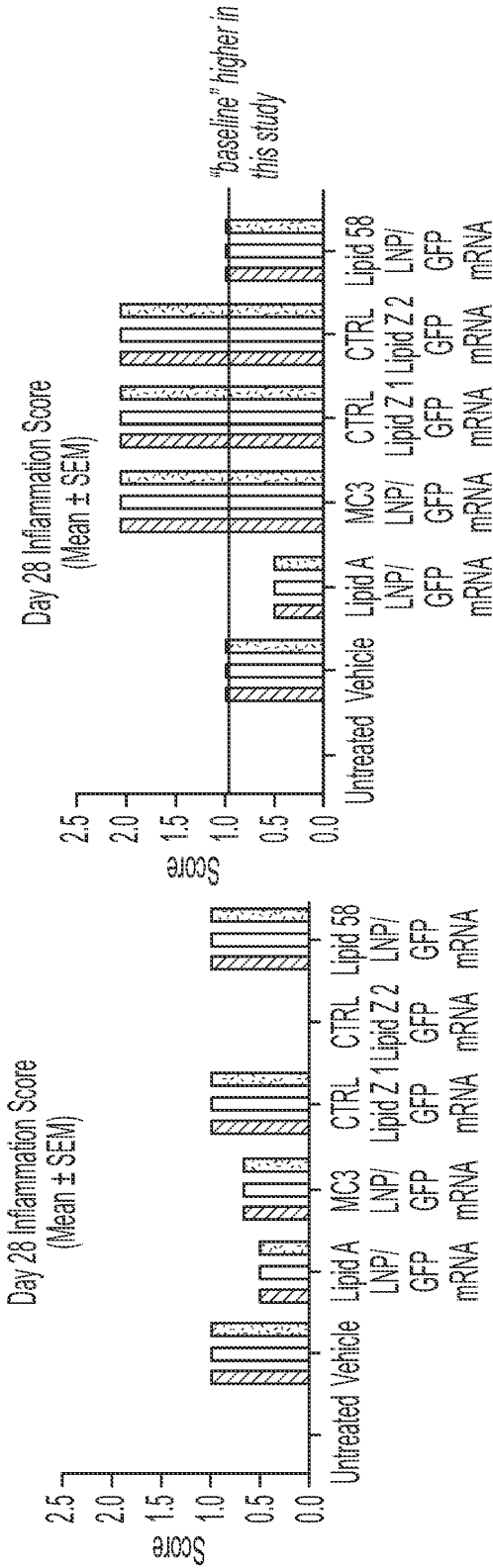


FIG. 13C

FIG. 13D

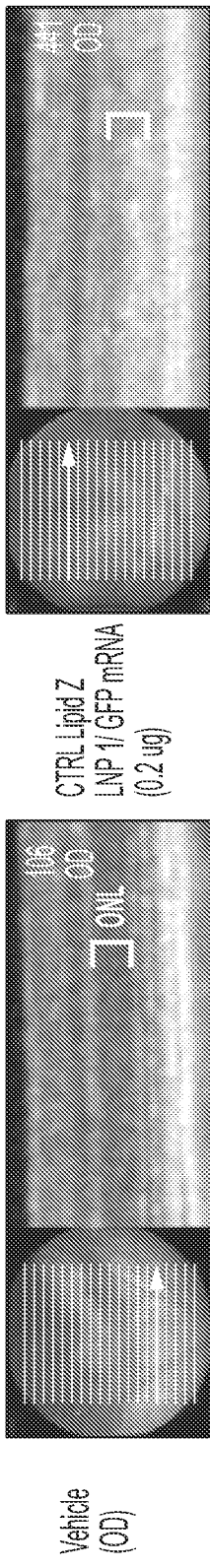


FIG. 14A

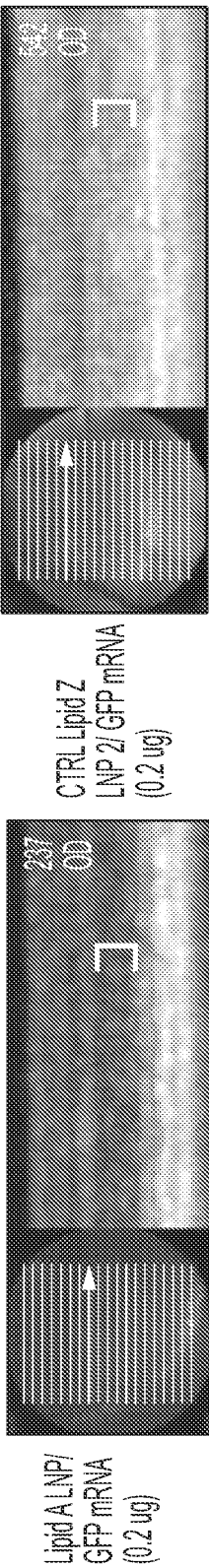


FIG. 14B

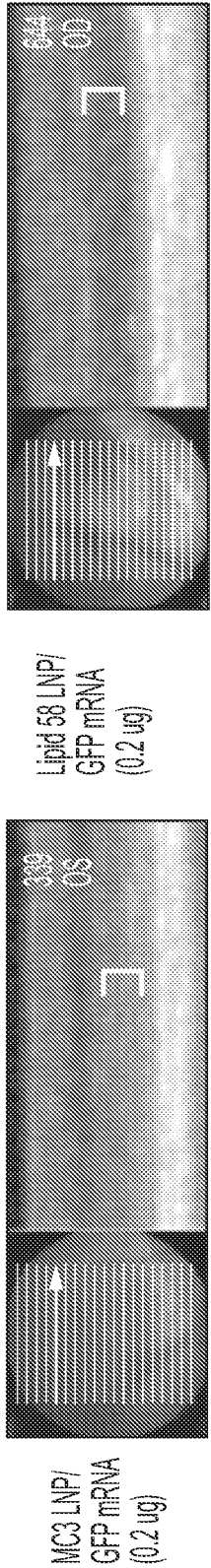


FIG. 14C

FIG. 14D

FIG. 14E

FIG. 14F

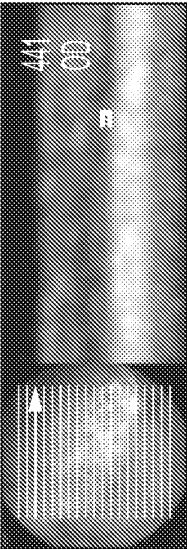


FIG. 15A

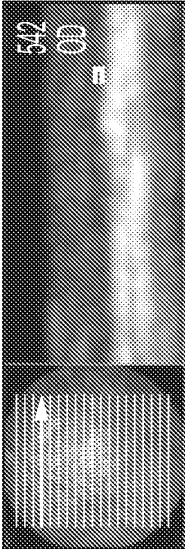


FIG. 15B

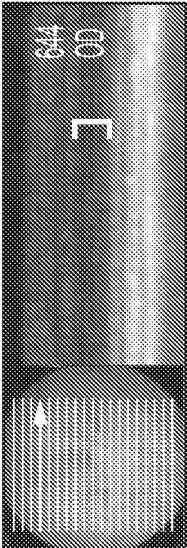


FIG. 15C

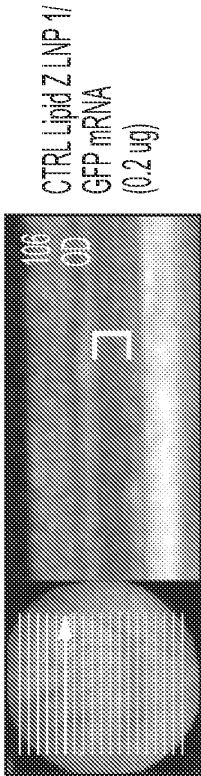


FIG. 15D

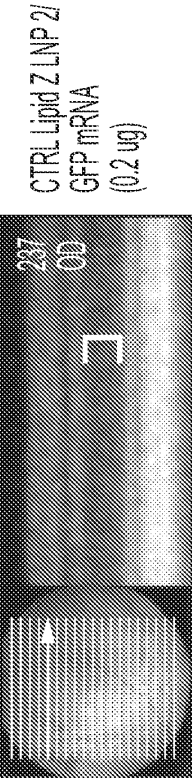


FIG. 15E

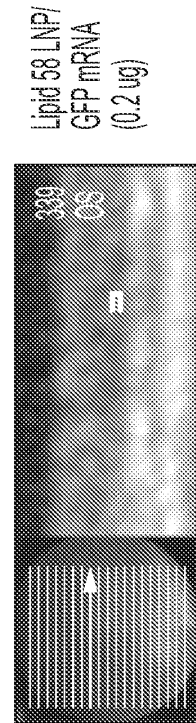


FIG. 15F

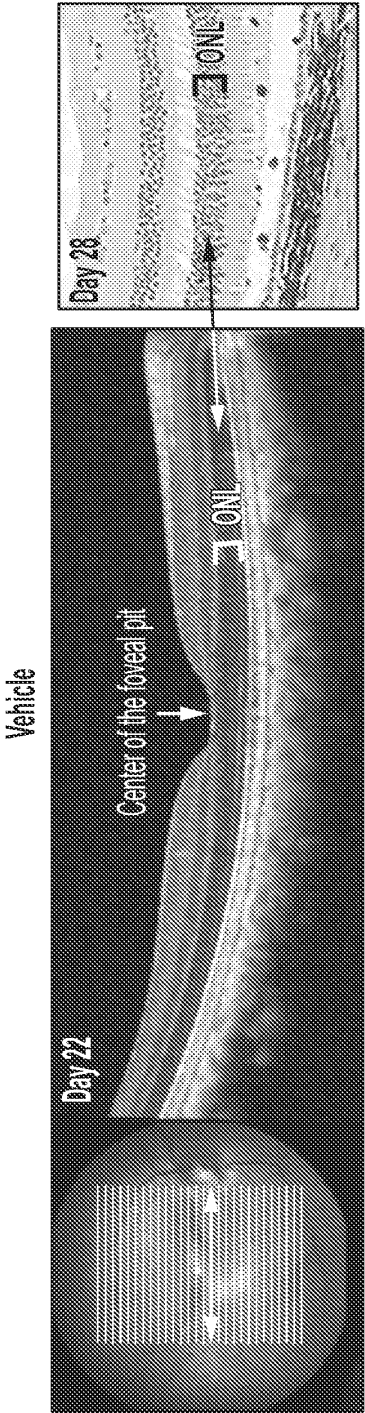


FIG. 16B

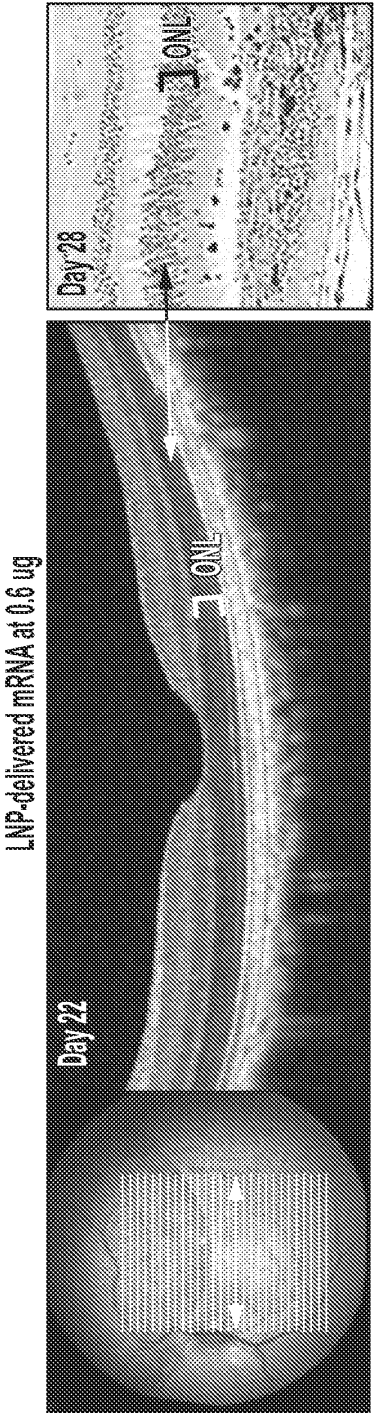


FIG. 16D

FIG. 16A

FIG. 16C

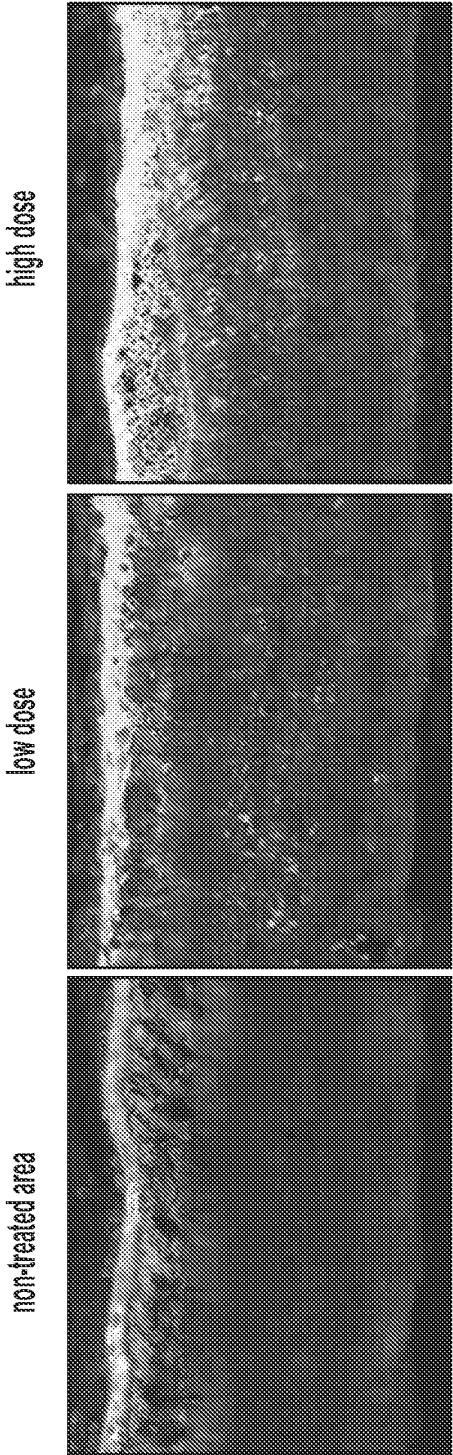


FIG. 17C

FIG. 17B

FIG. 17A

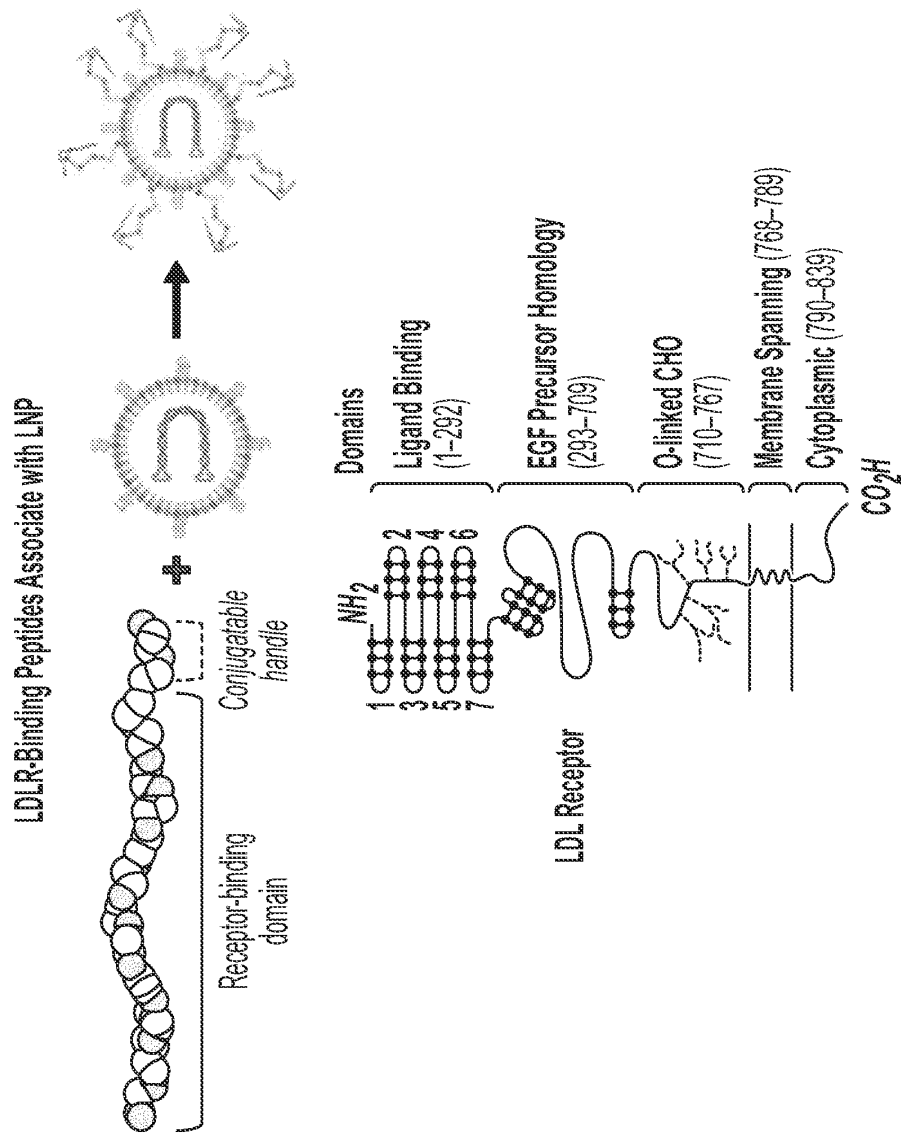


FIG. 18

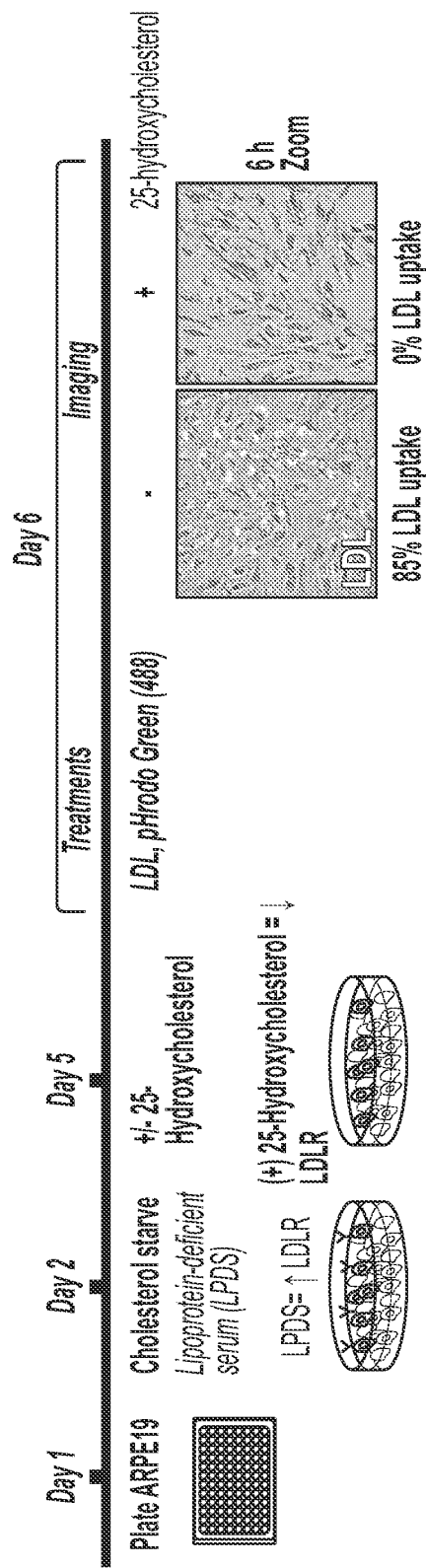


FIG. 19A

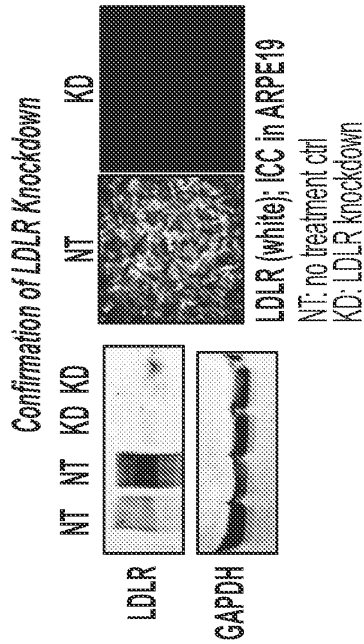
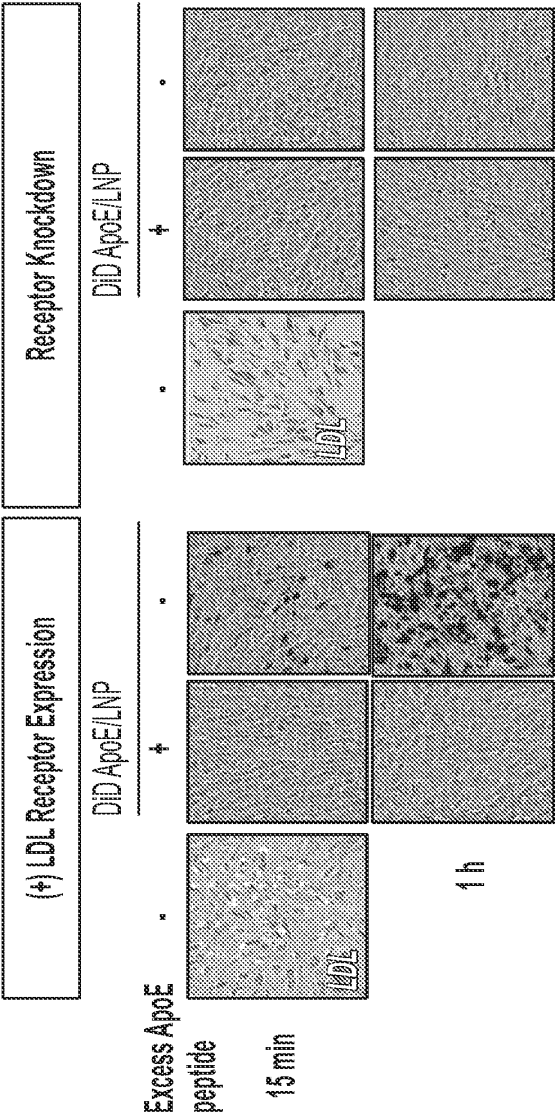


FIG. 19B



● : Uptake of DID-LNP; ○ : LDL-Alexa Fluor 488

FIG. 20

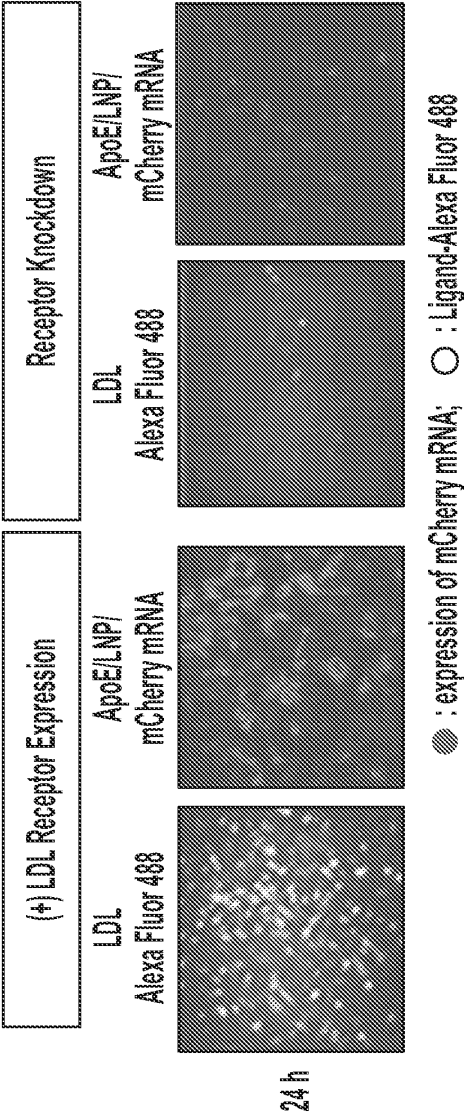


FIG. 21

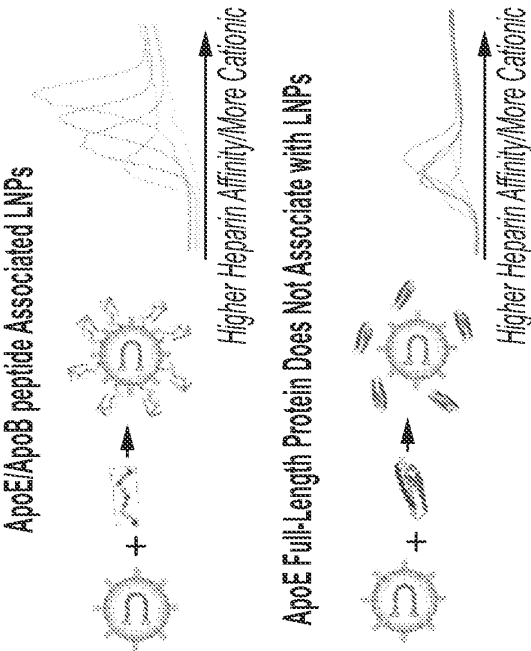


FIG. 22A

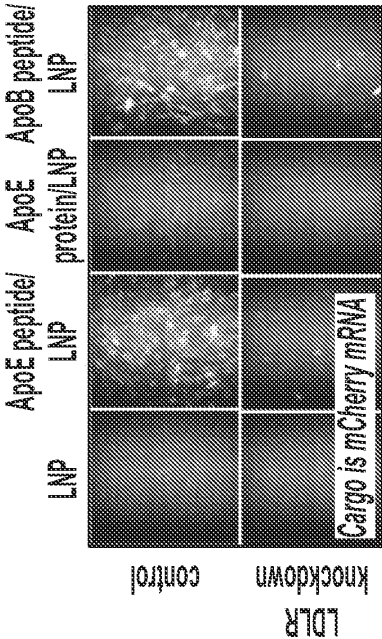
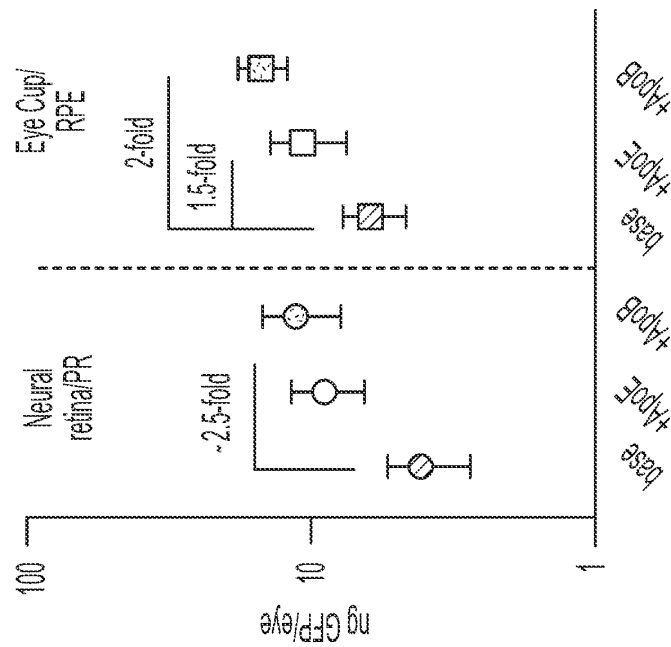


FIG. 22B



All formulations dosed at 0.1 ug
"Base" shown in the ELISA is ~2 logs above non-injected groups

FIG. 23B

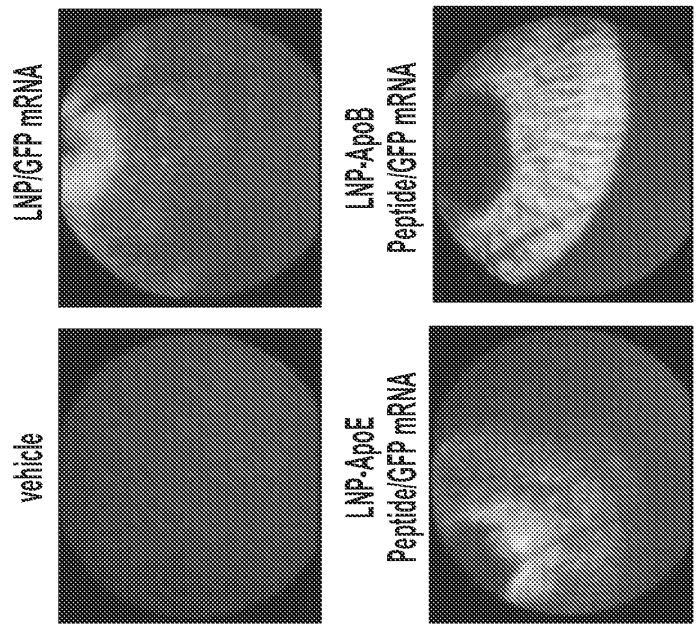


FIG. 23A

ApoE peptide:
EELRVRLASHLRKLRKRLRDADDLQKGG

Physiochemical properties

Number of residues:

30

notes on MW

Molecular weight:

3548.12 g/mol

notes on Ext. Coefficient

Extinction coefficient:

0 M⁻¹cm⁻¹

notes on pl

Iso-electric point:

pH 10.82

notes on net charge

Net charge at pH 7:

4

notes on solubility

Estimated solubility:

Good water solubility

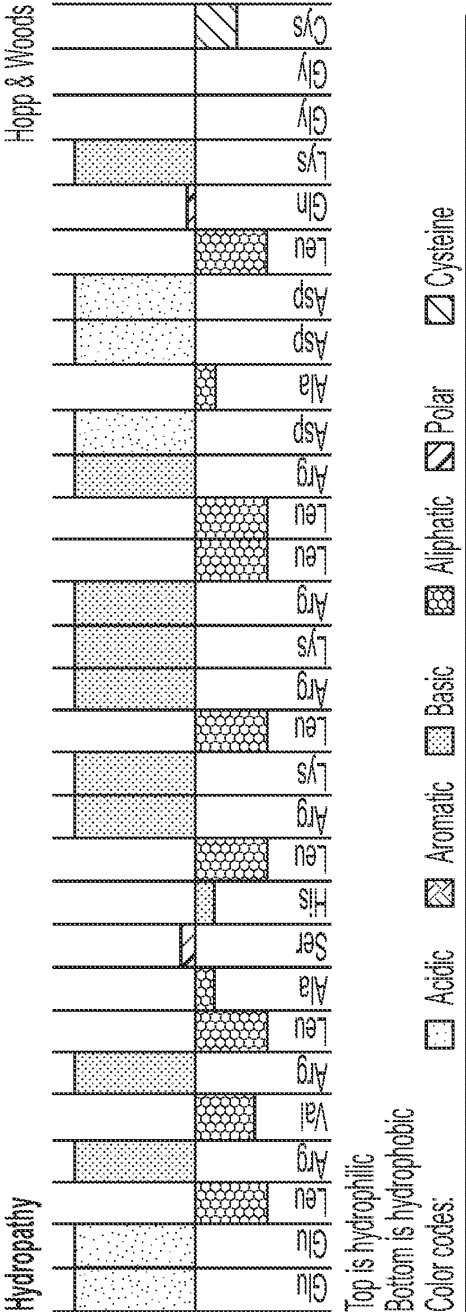
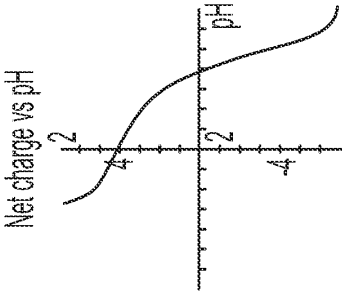
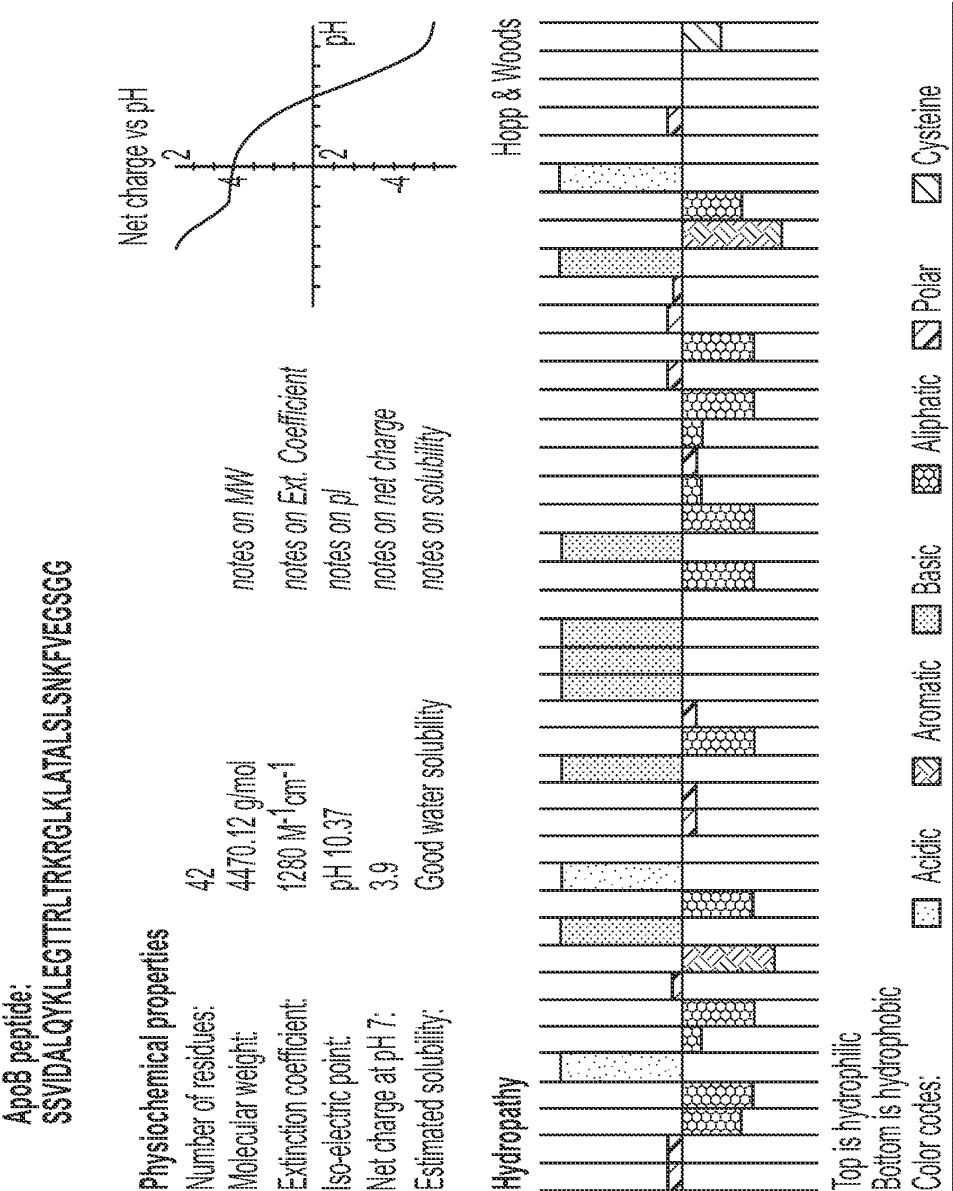
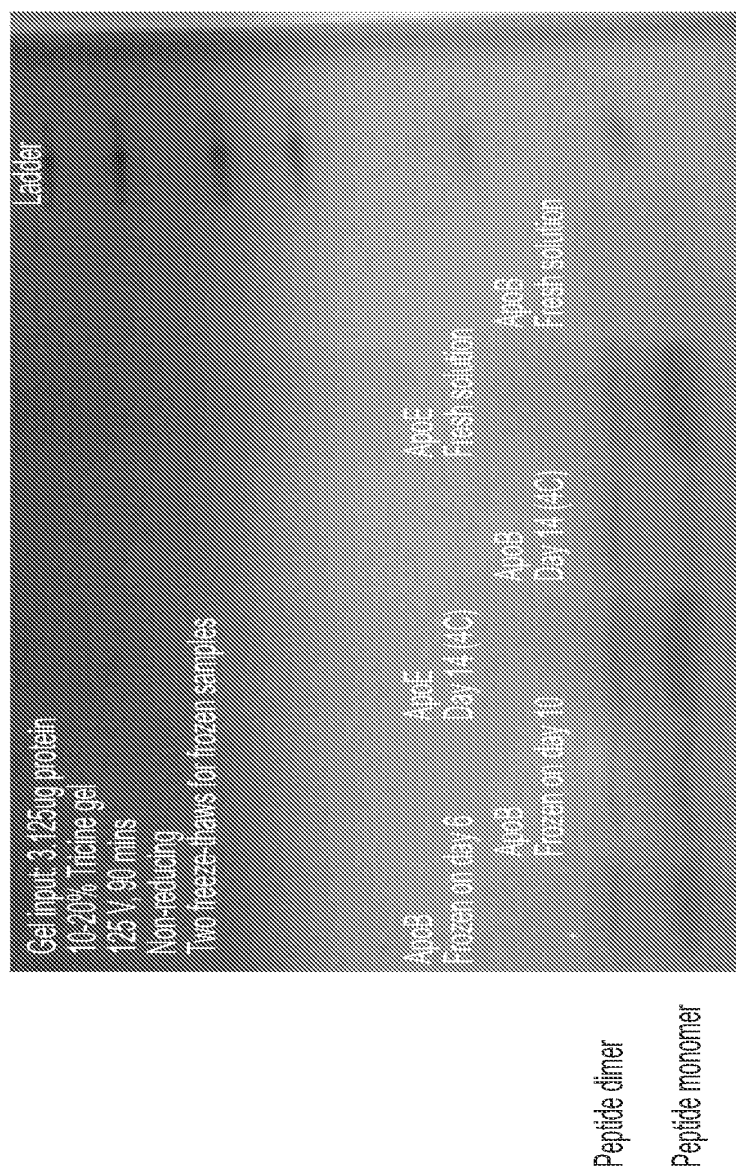


FIG. 24





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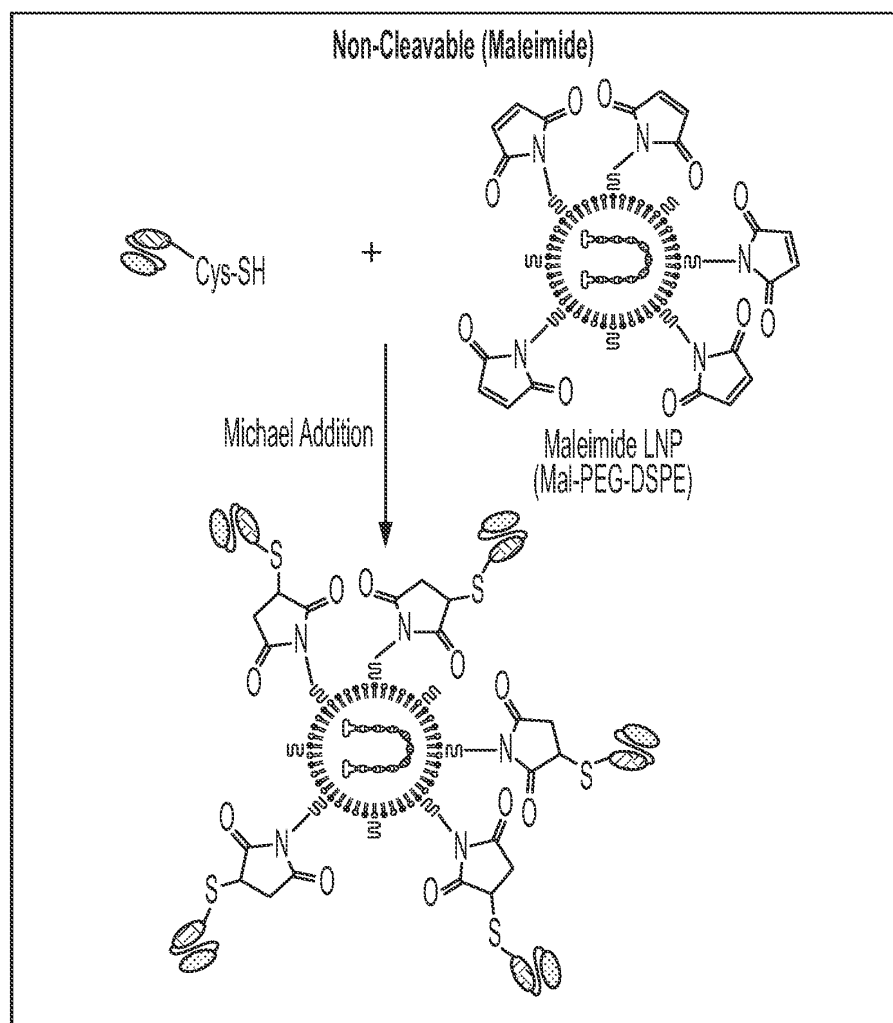


FIG. 26A

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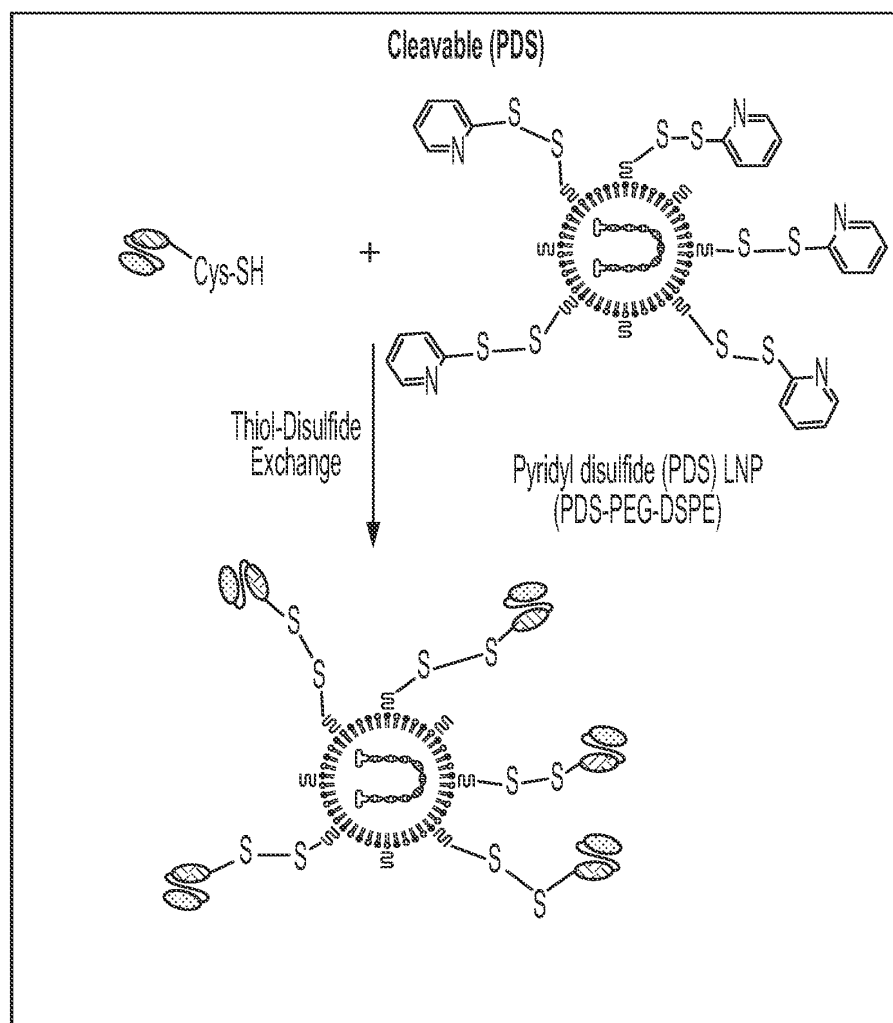
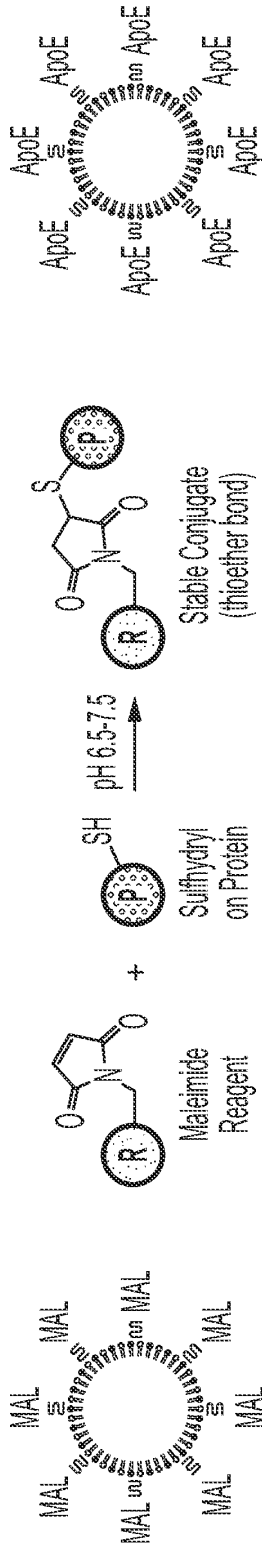


FIG. 26B



Peptide reaction excess relative to # of maleimides

Peptide	Reaction excess
ApoE	2x
ApoB	0.5x

FIG. 27

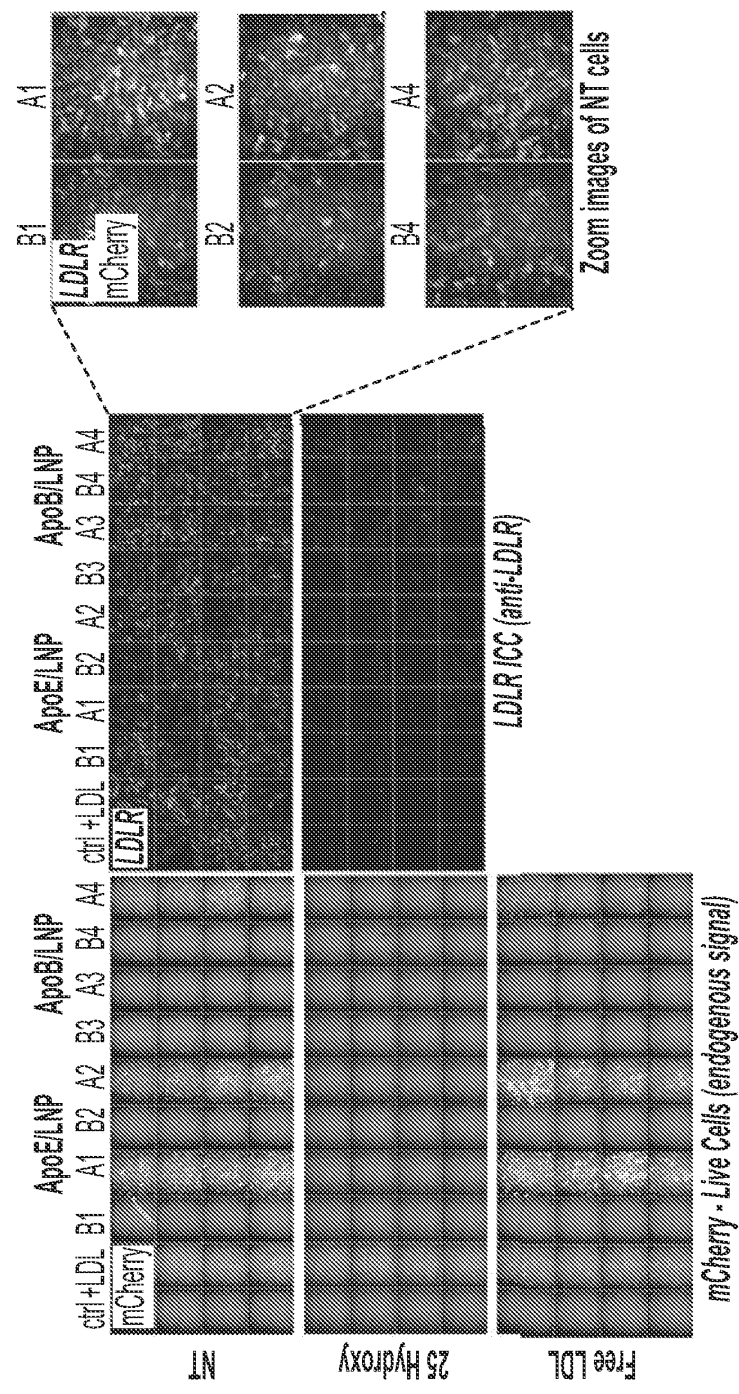


FIG. 28

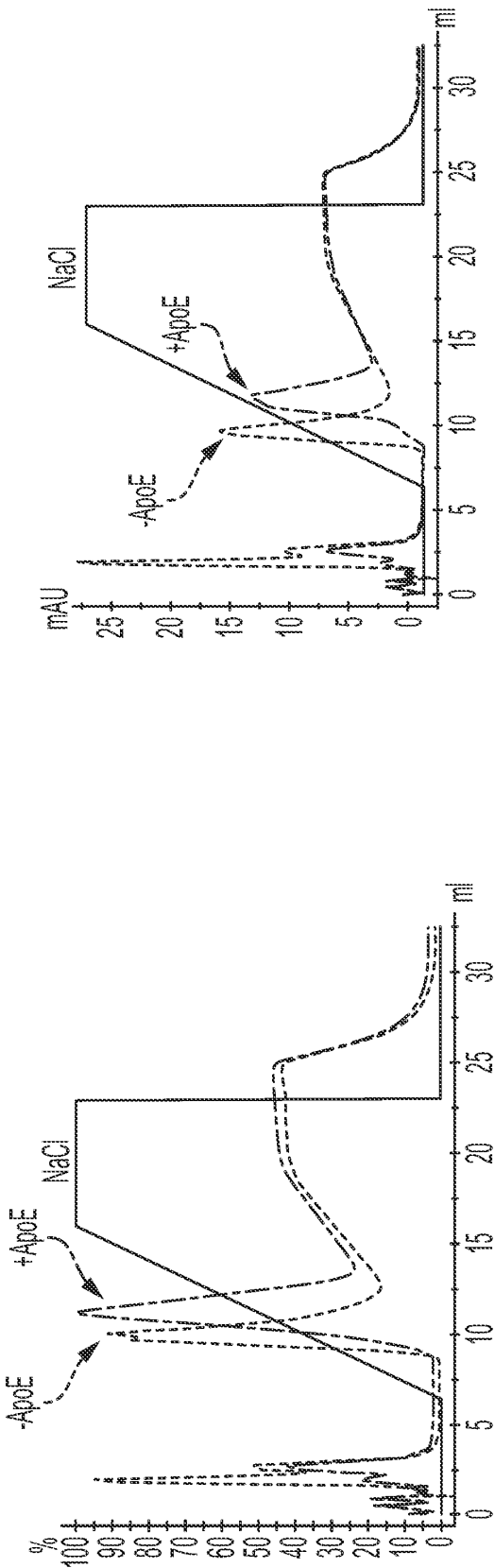


FIG. 29A

FIG. 29B

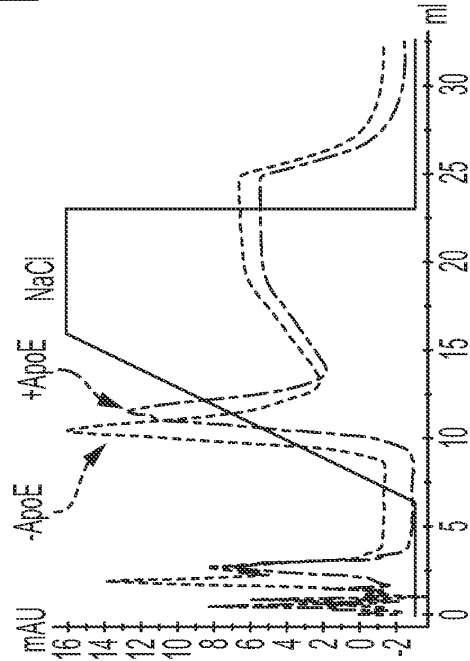
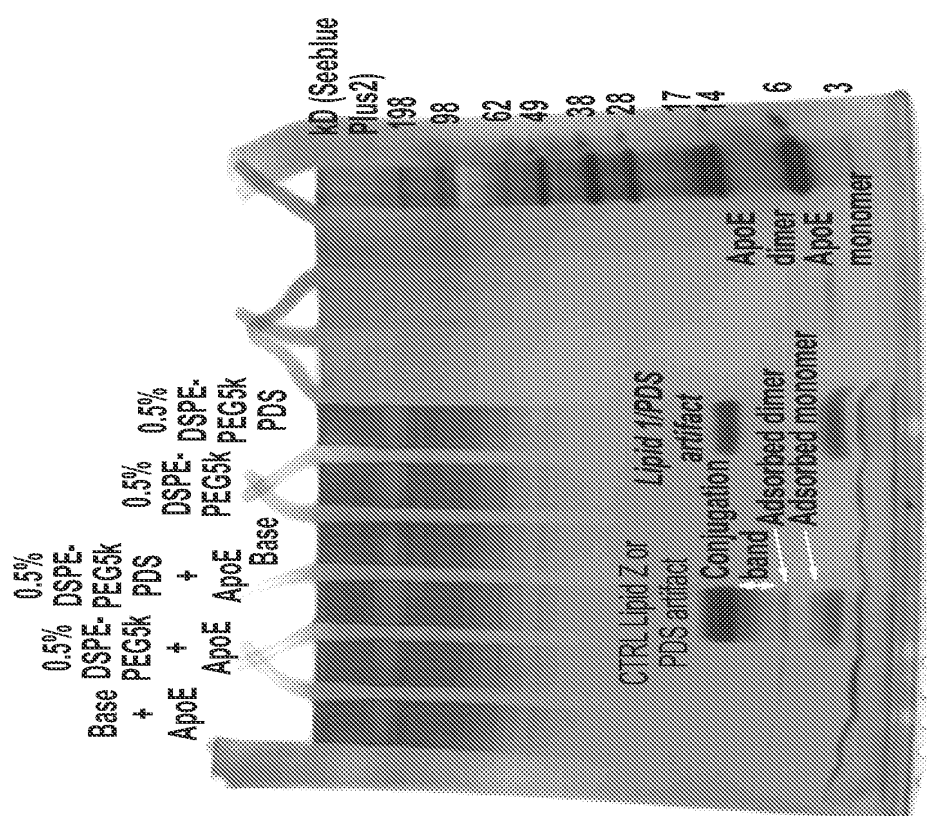


FIG. 29C



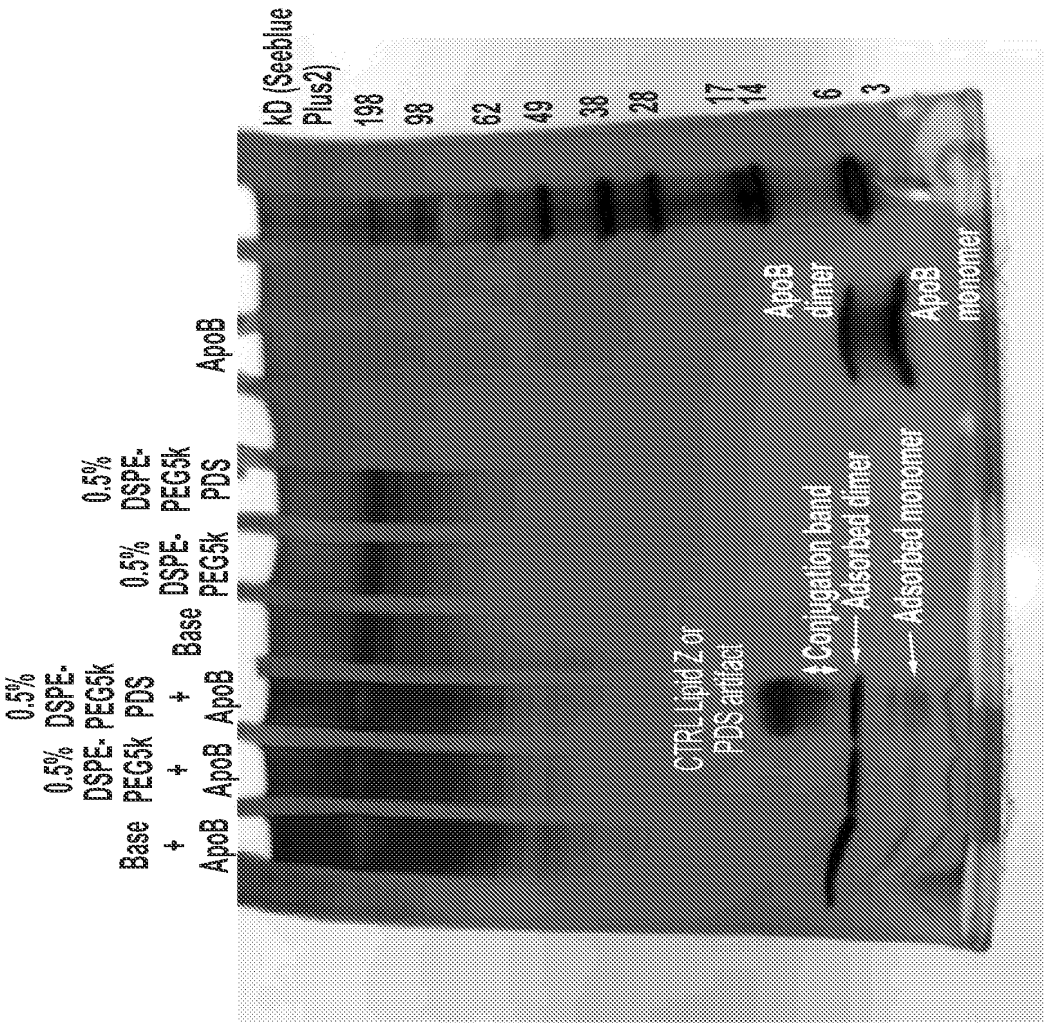


FIG. 31

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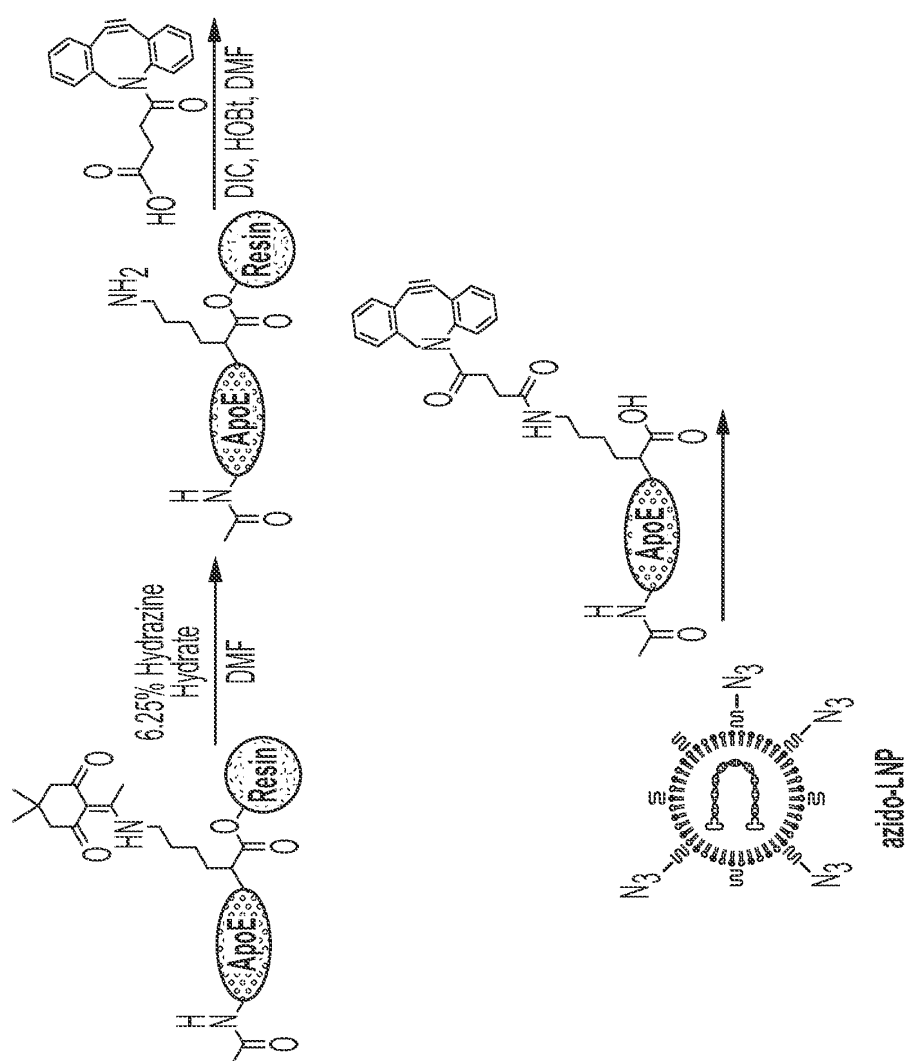
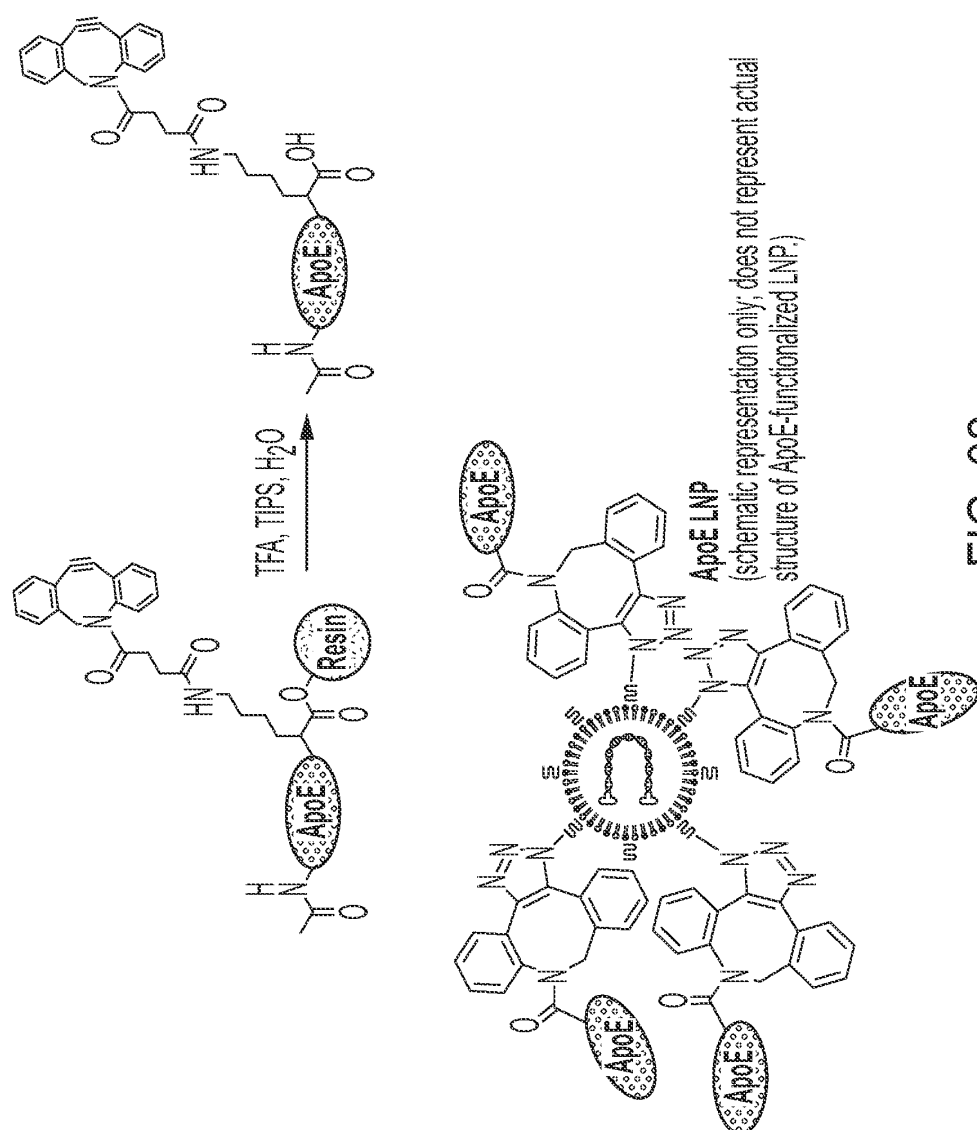


FIG. 32

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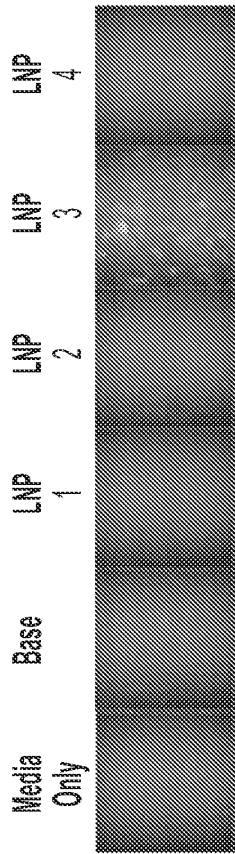


FIG. 33A

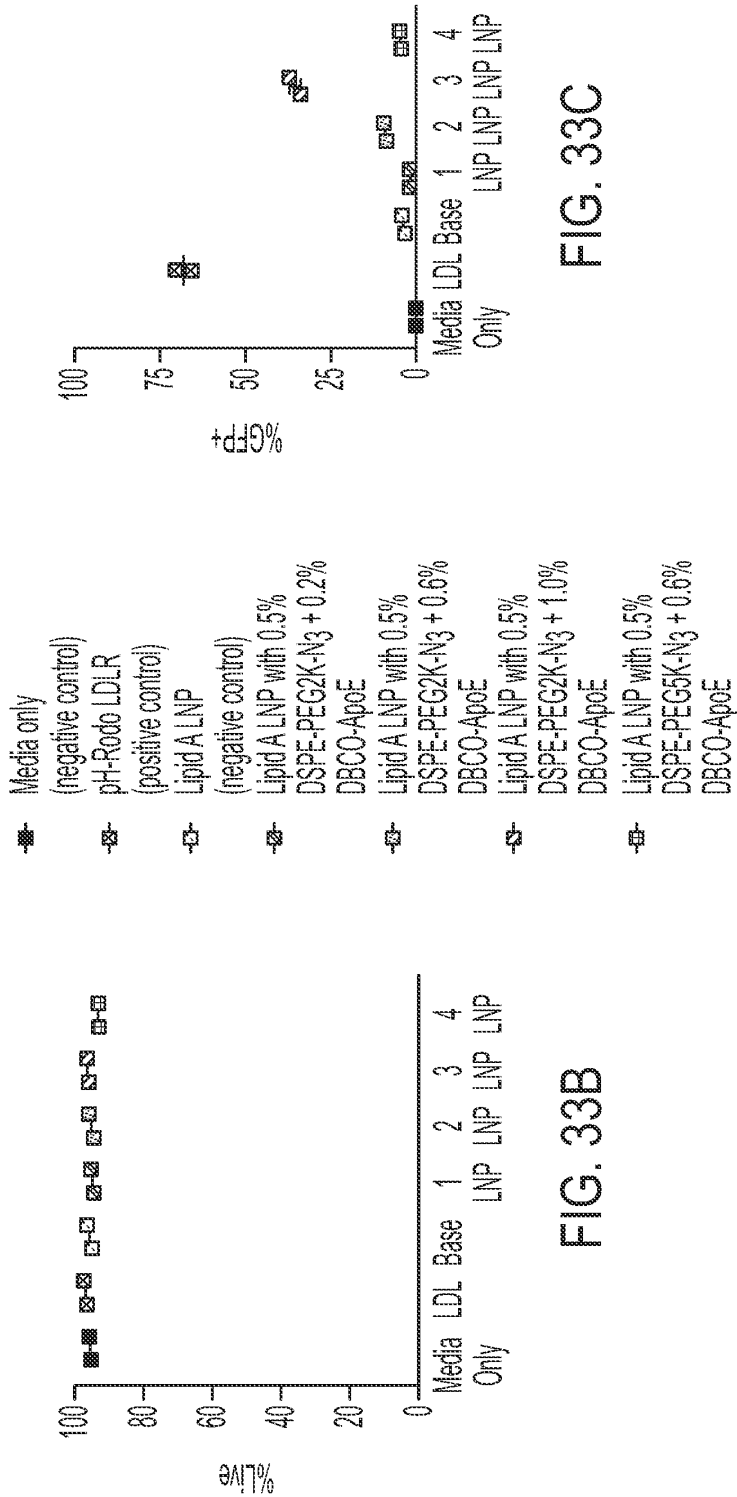


FIG. 33B

FIG. 33C