

Sheet 1 of 38

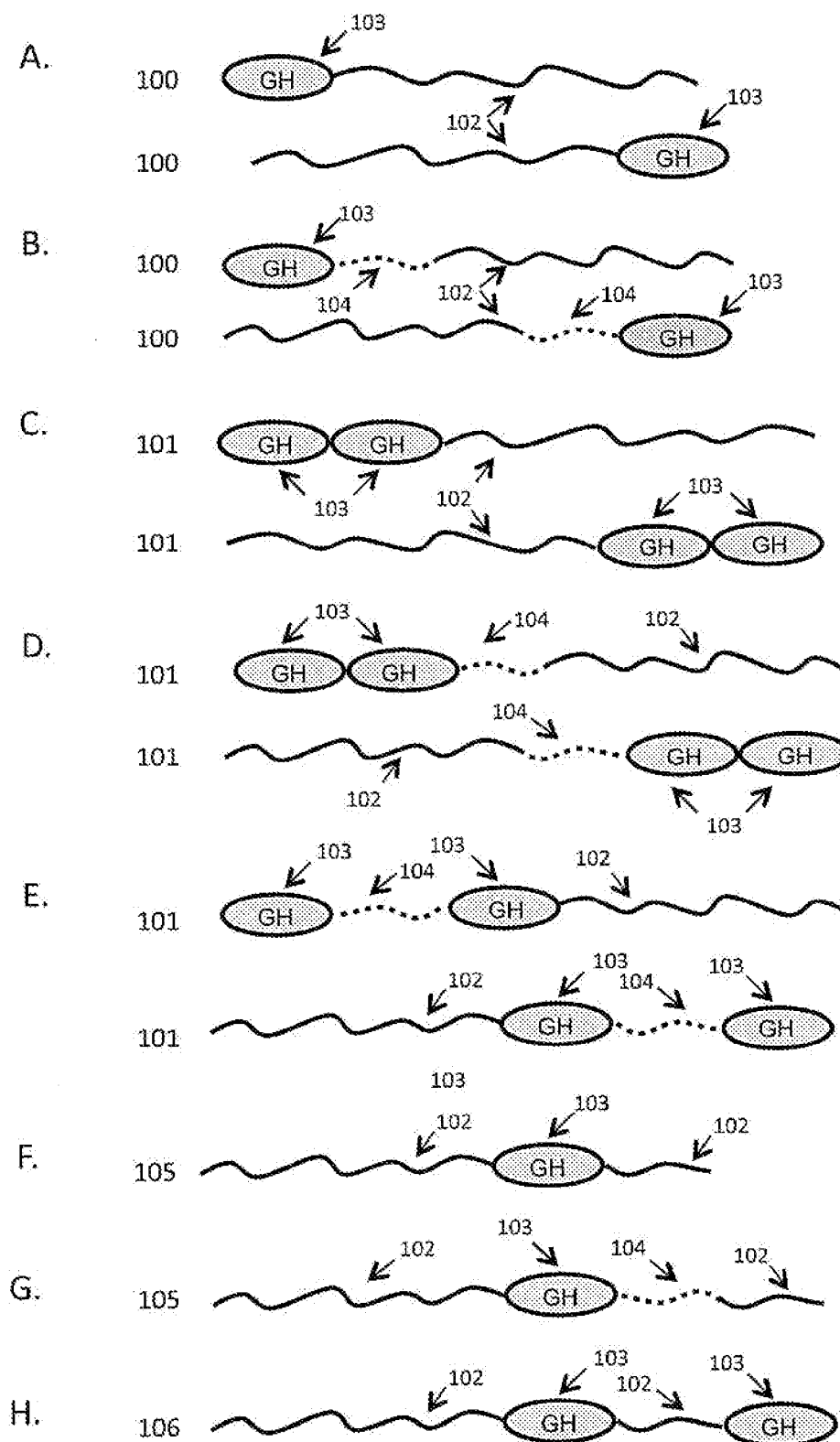


FIG. 1

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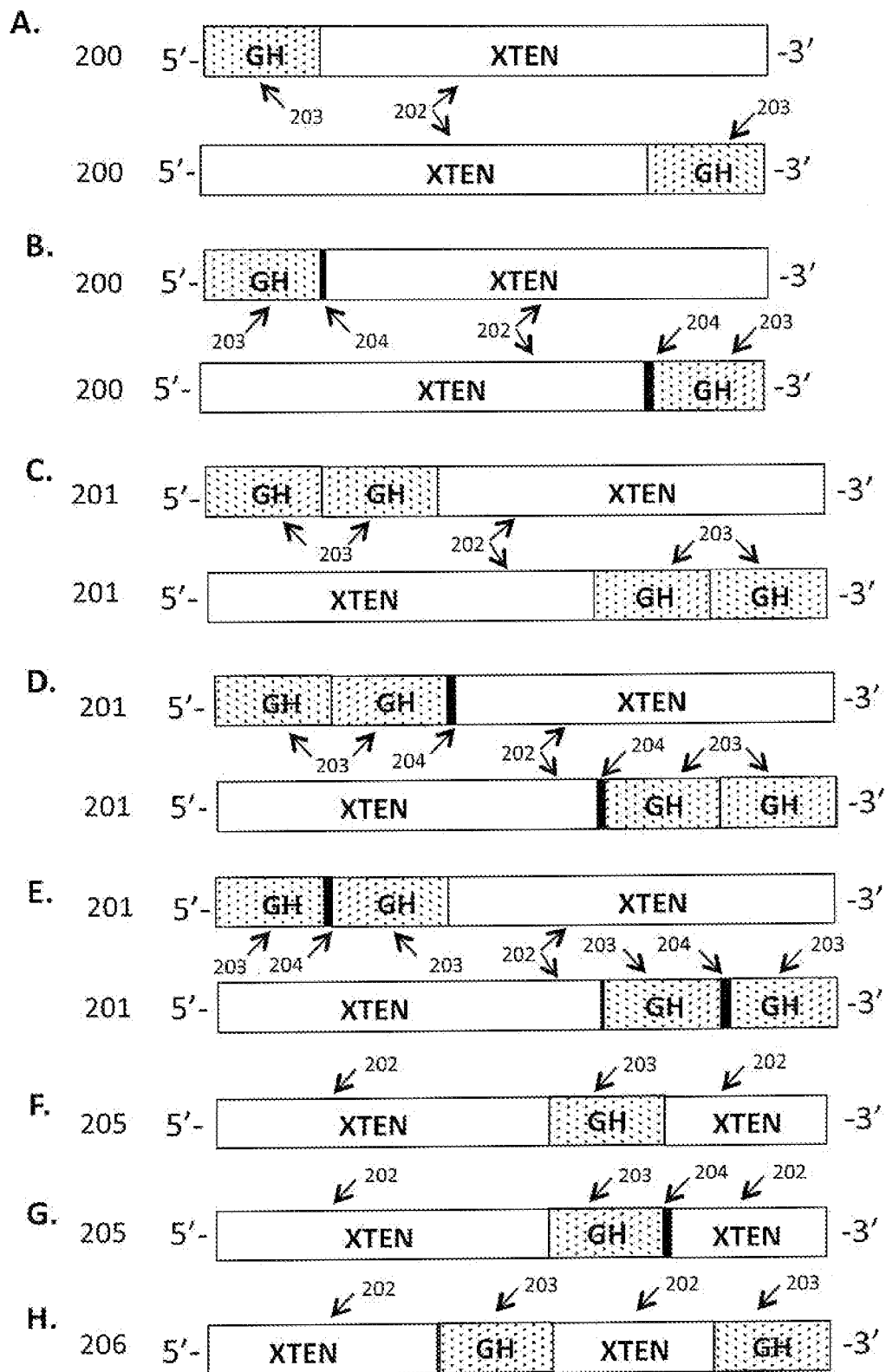
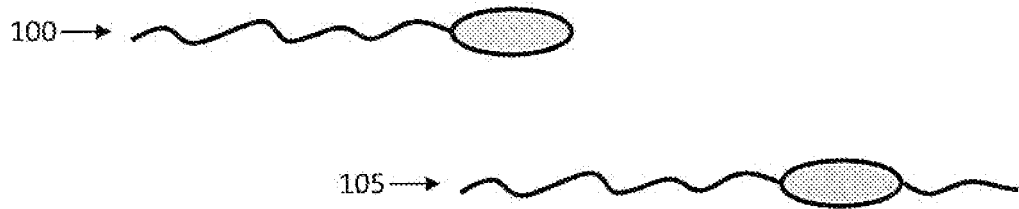


FIG. 2

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A.



B.

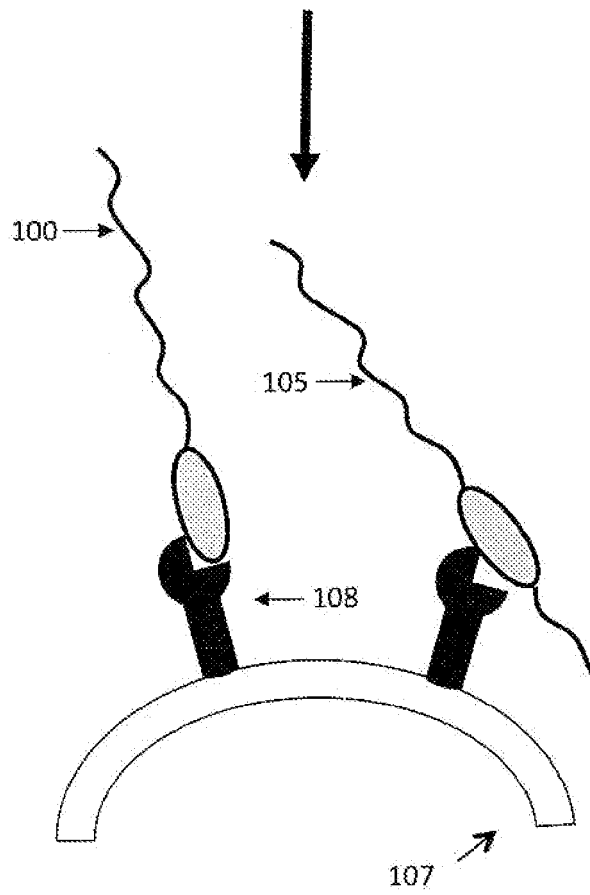


FIG. 3

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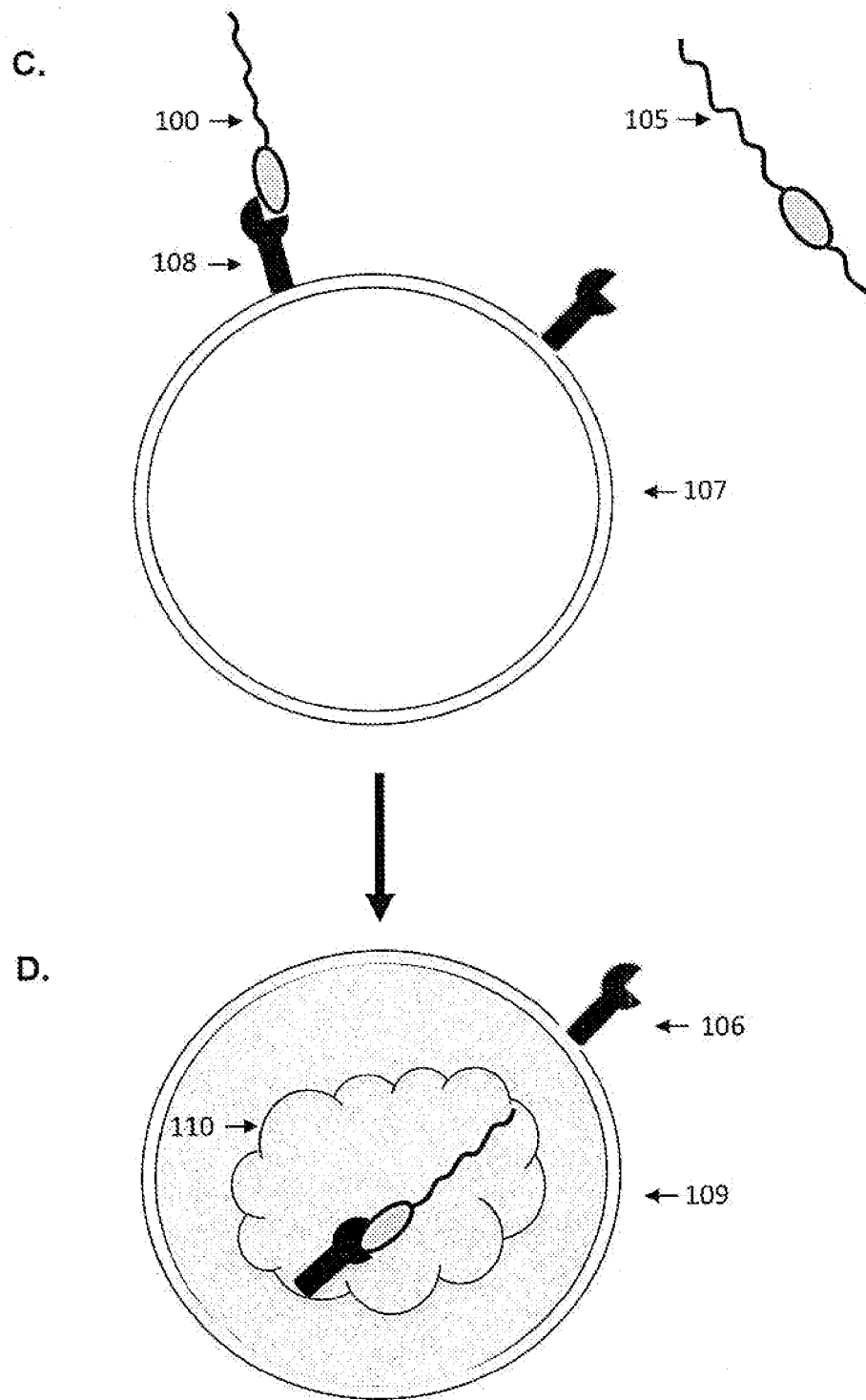


FIG. 3

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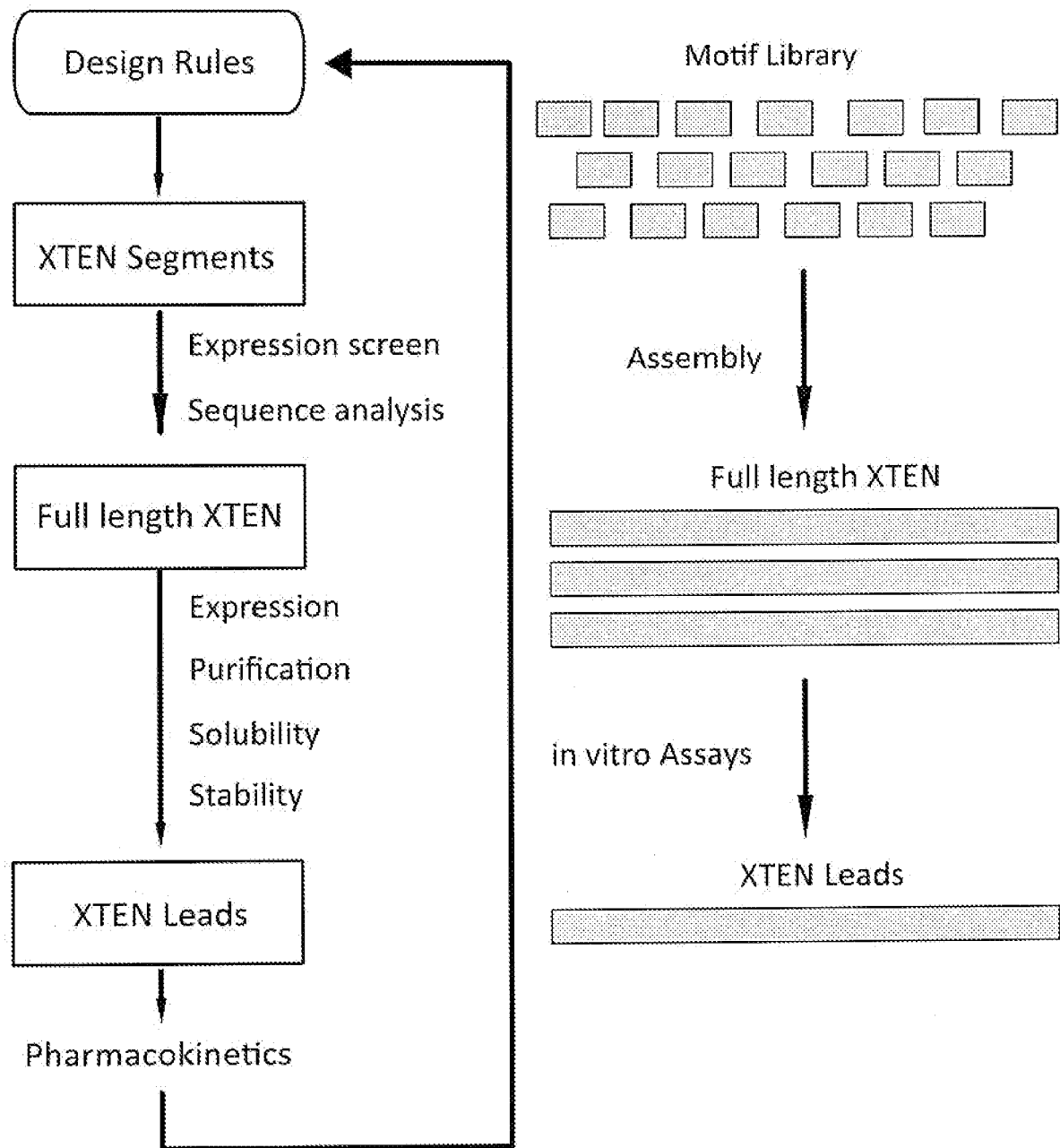
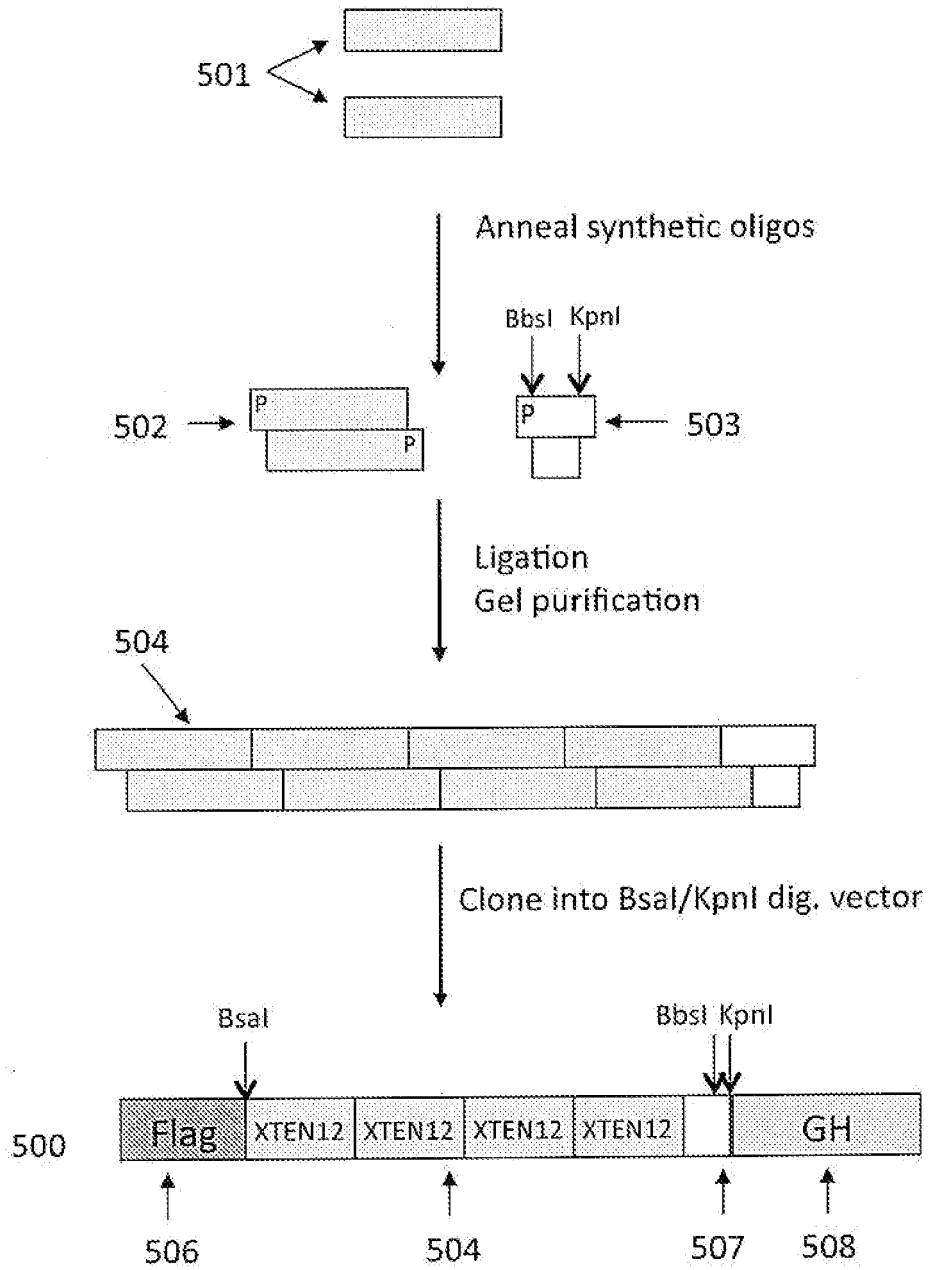


FIG. 4

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**FIG. 5**

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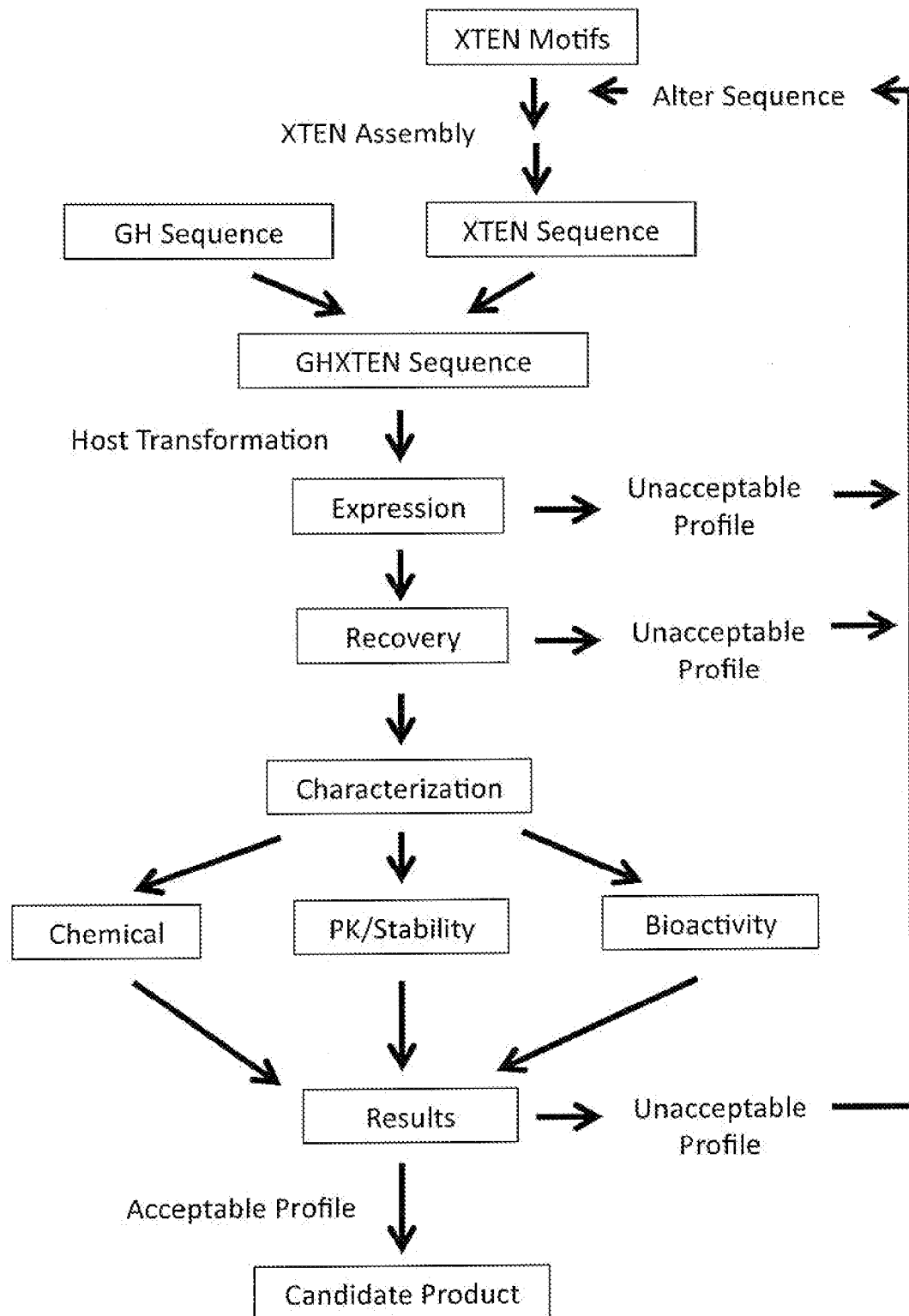


FIG. 6

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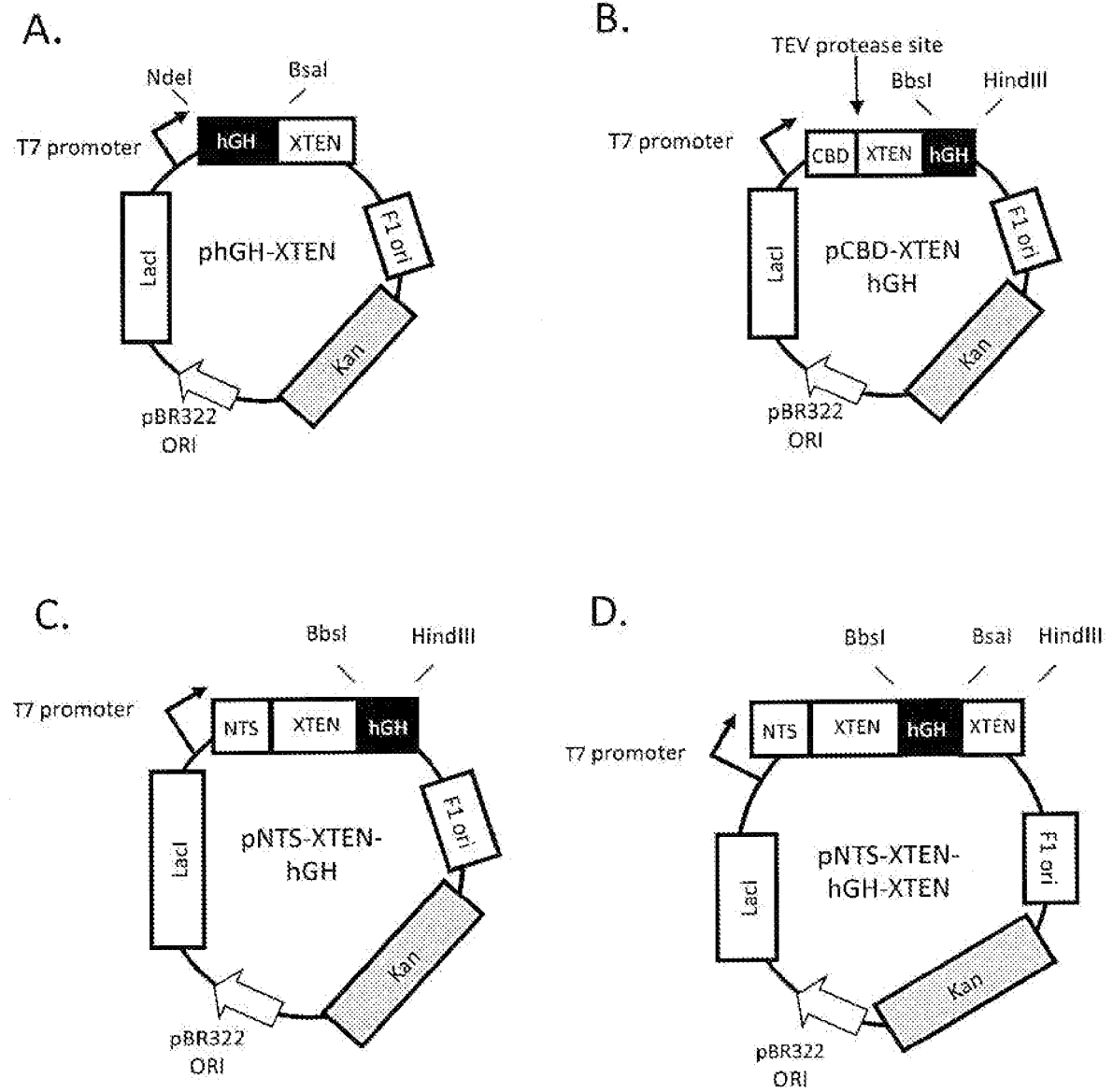


FIG. 7

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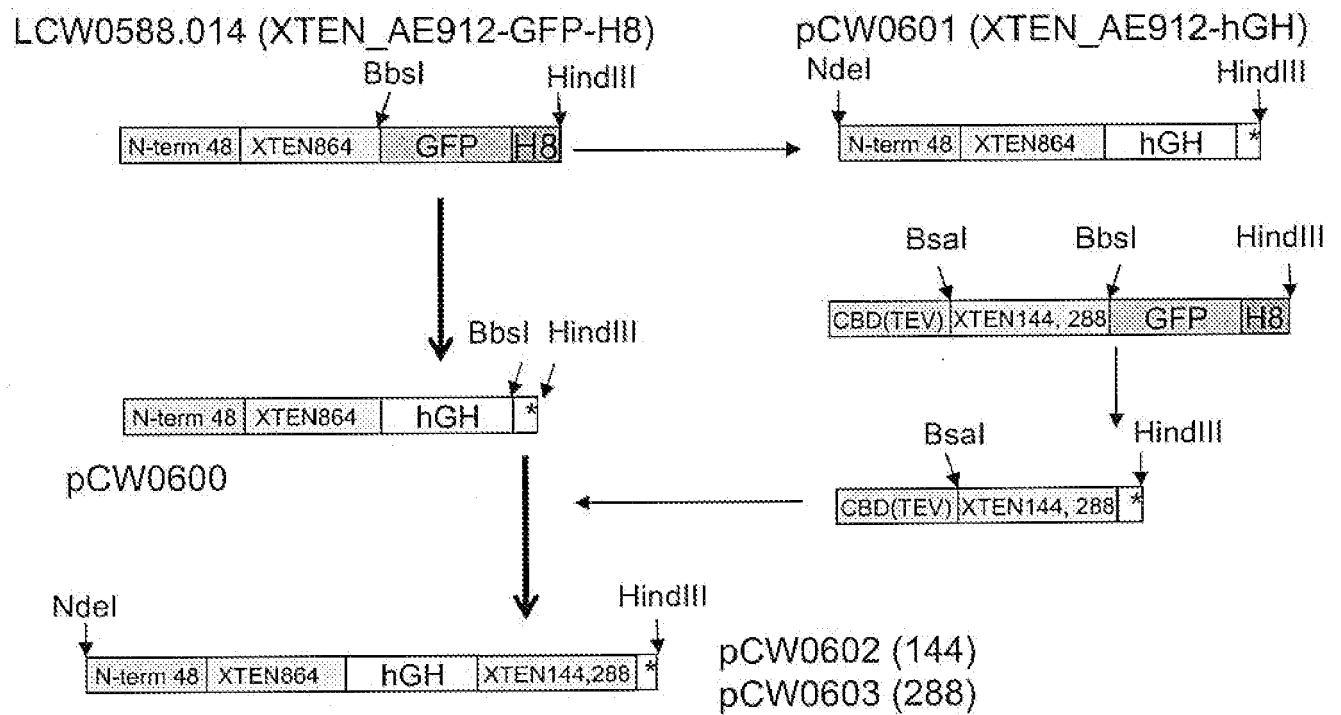


FIG. 8

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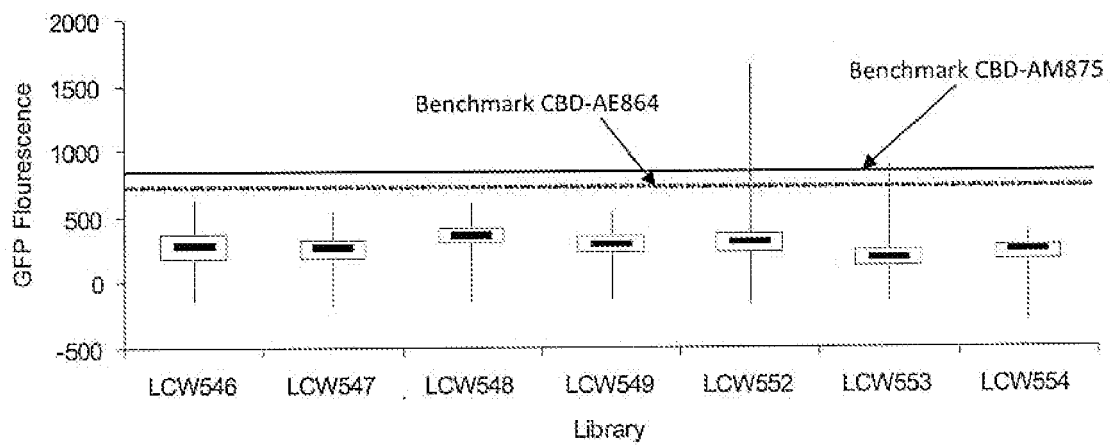


FIG. 9

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LCW0569 ATGGCTNNNNNNGCTGGCTCTCCAACCTCCACTGAGGAAGGT
M A X X A G S P T S T E E

LCW0570 ATGGCTNNNNNNGAAAGCGCAACCCCTGAGTCCGGTCCAGGT
M A X X E S A T P E S G P

LCW0571 ATGGCTNNNNNNACTCCGTCTGGTGCTACCGGTTCCCCAGGT
M A X X T P S G A T G S P

X = APST,	GS	or	GE
TCAG/C/TCAG,	AG/G/TC	or	G/AG/AG
Diversity: 16	4		4

- Batch 2 libraries are based on 3 best clones from batch 1 screening.
- All 24 codons for 6 amino acids G,E,S,P,A,T are included.
- Each new library is composed of 3x3=9 pairs of annealed oligos.

FIG. 10

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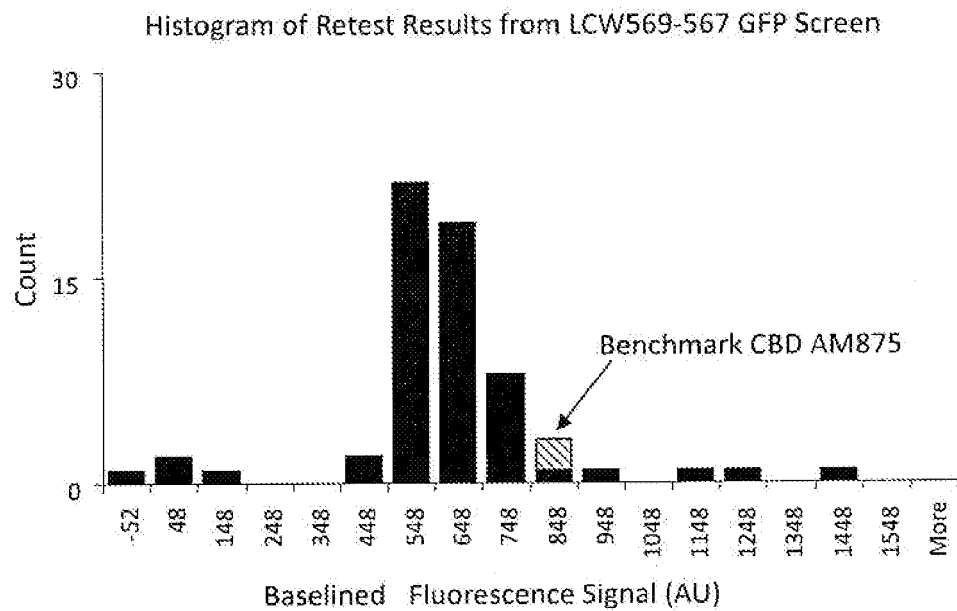


FIG. 11

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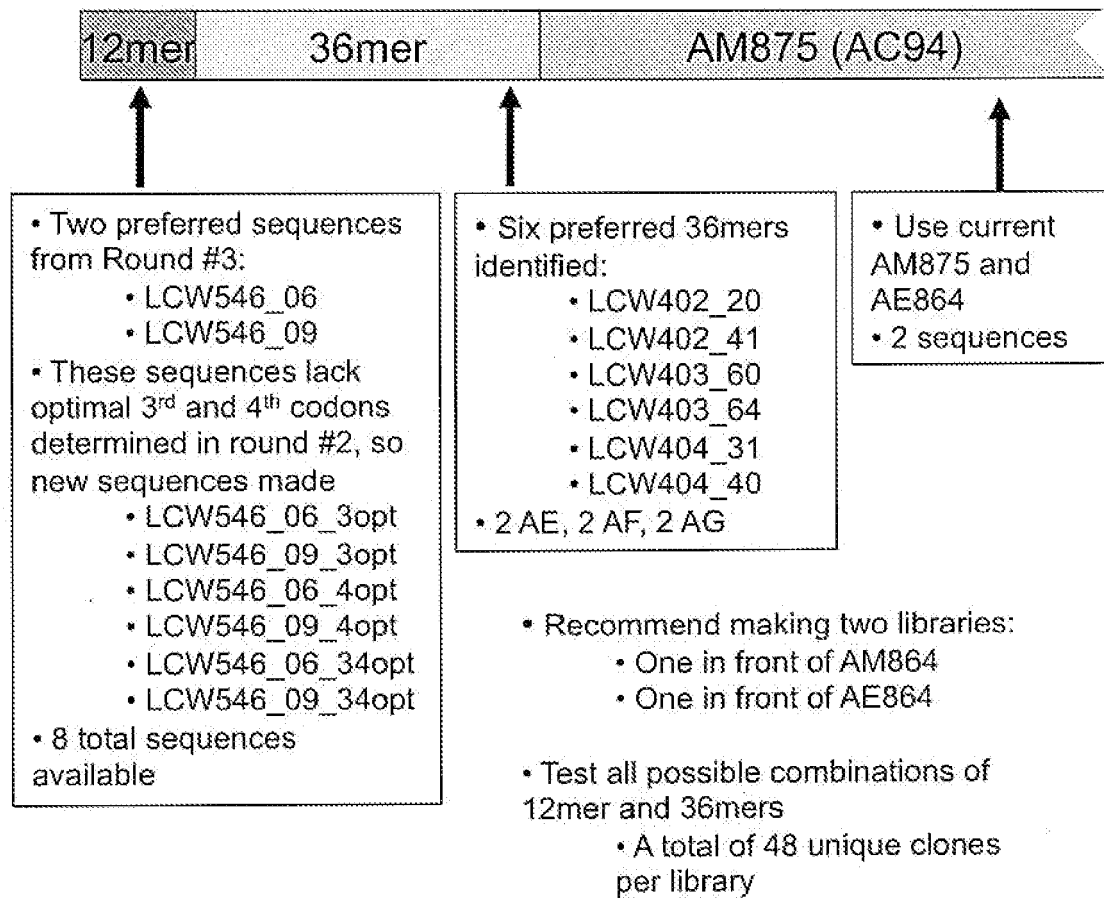


FIG. 12

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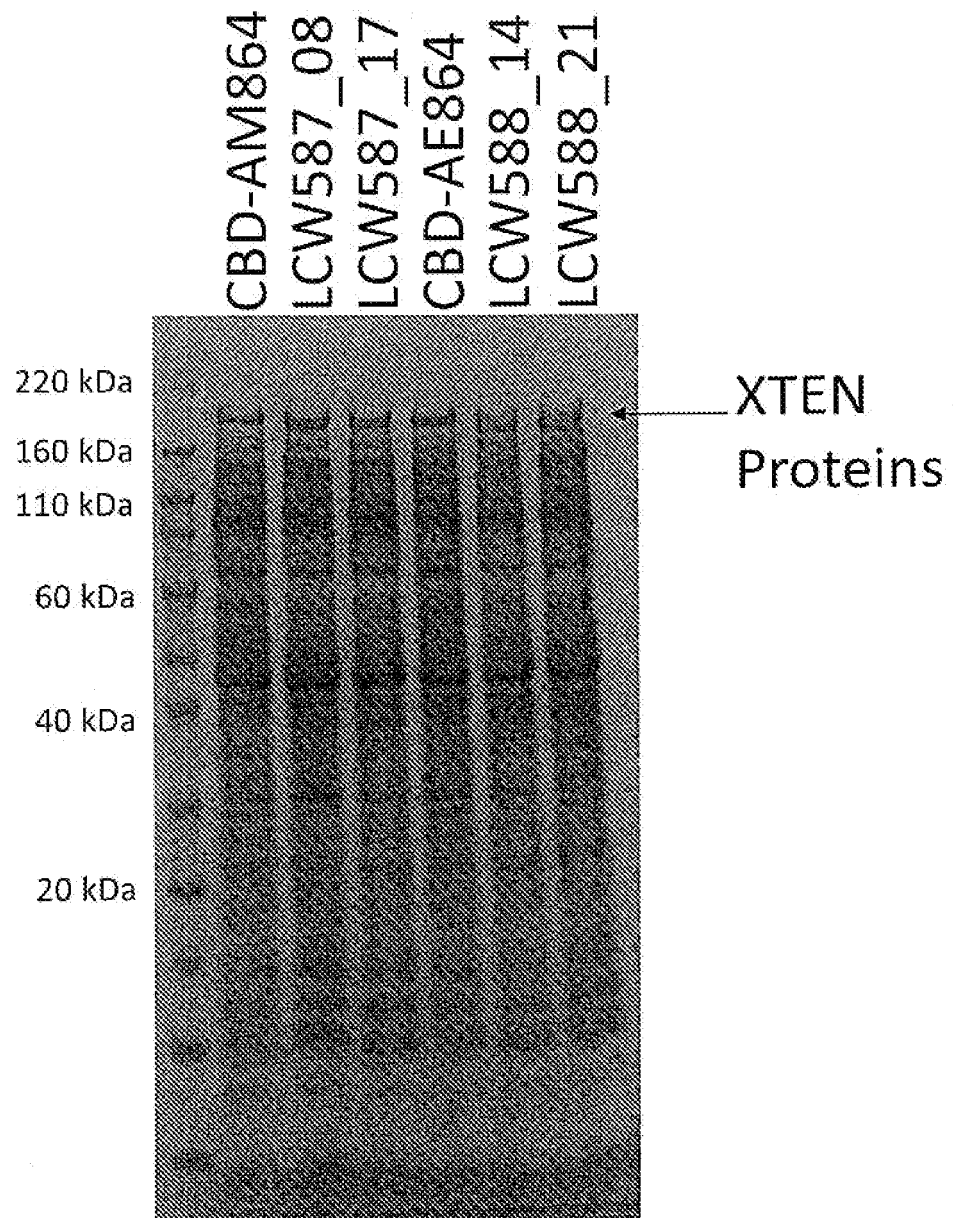


FIG. 13

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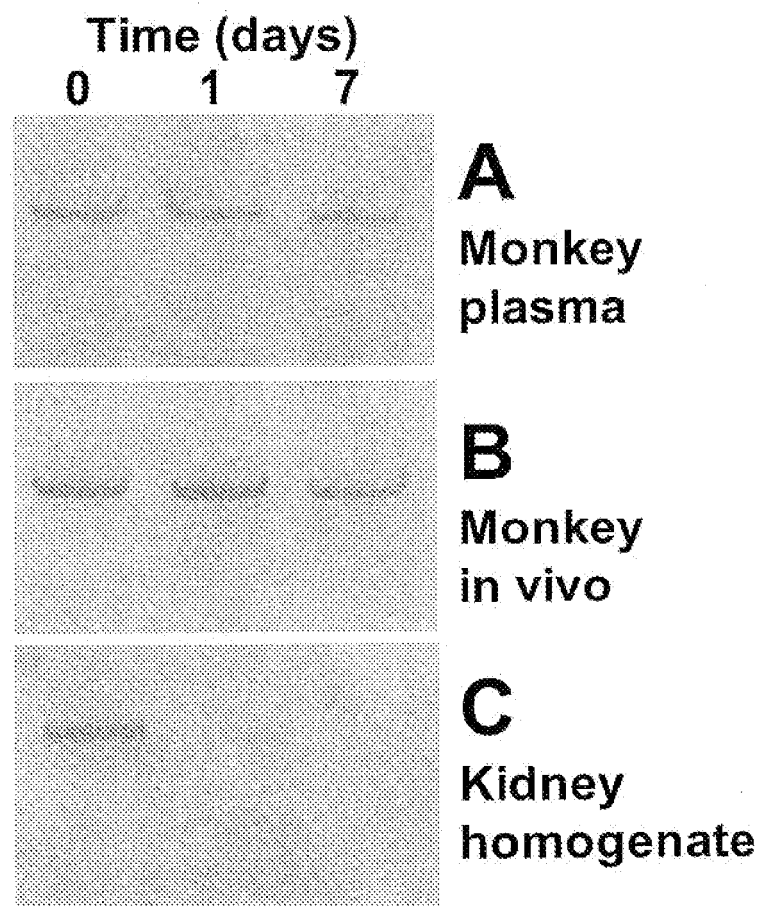


FIG. 14

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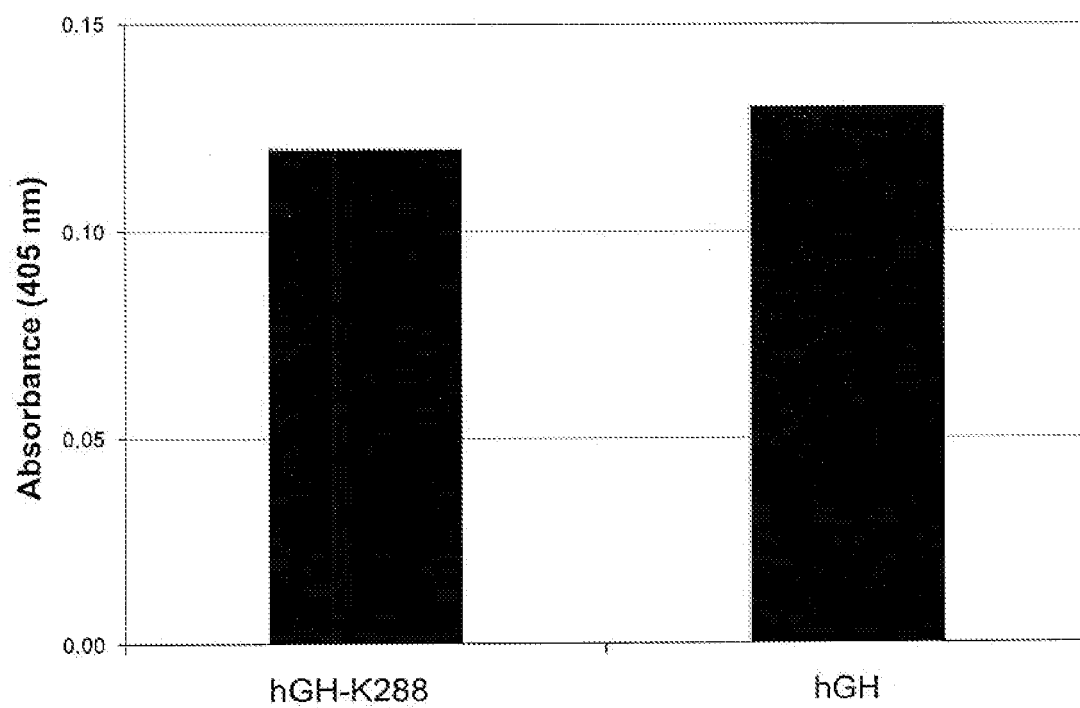


FIG. 15

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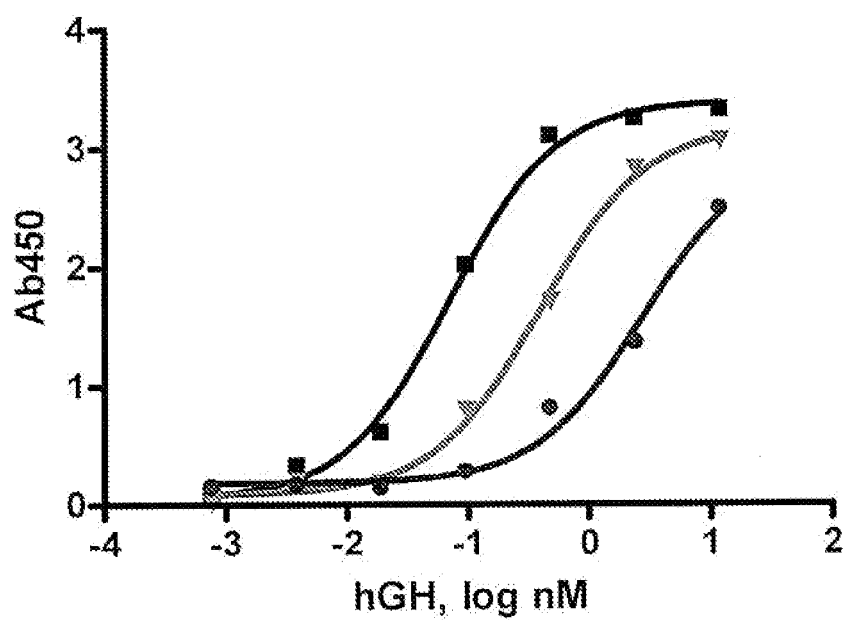
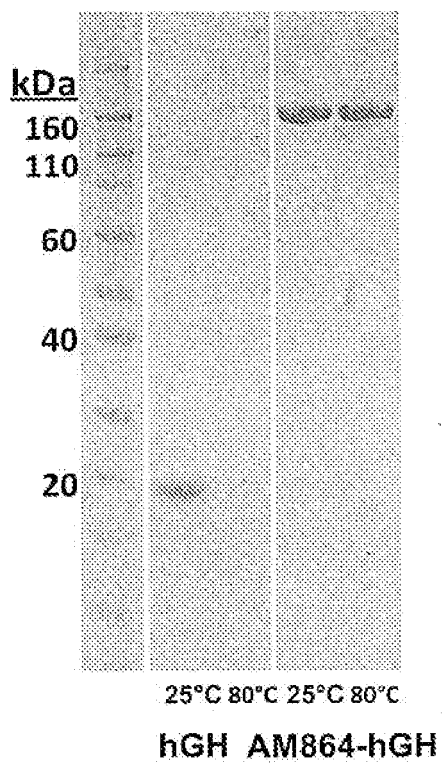


FIG. 16

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A.



B.

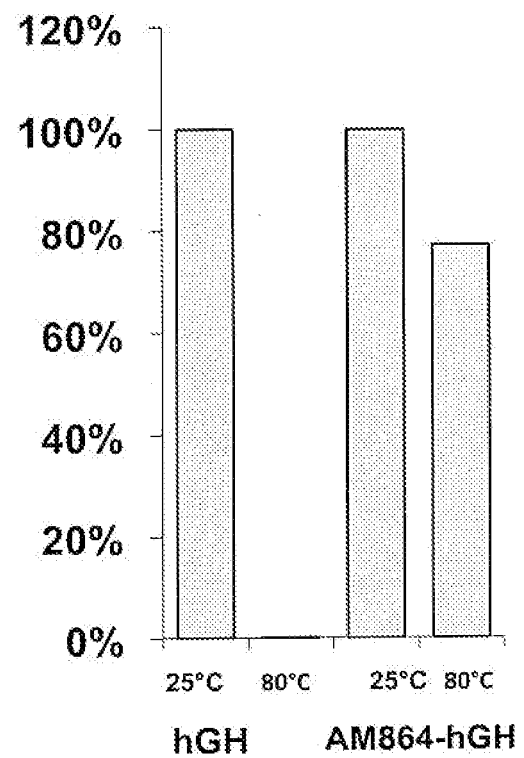


FIG. 17

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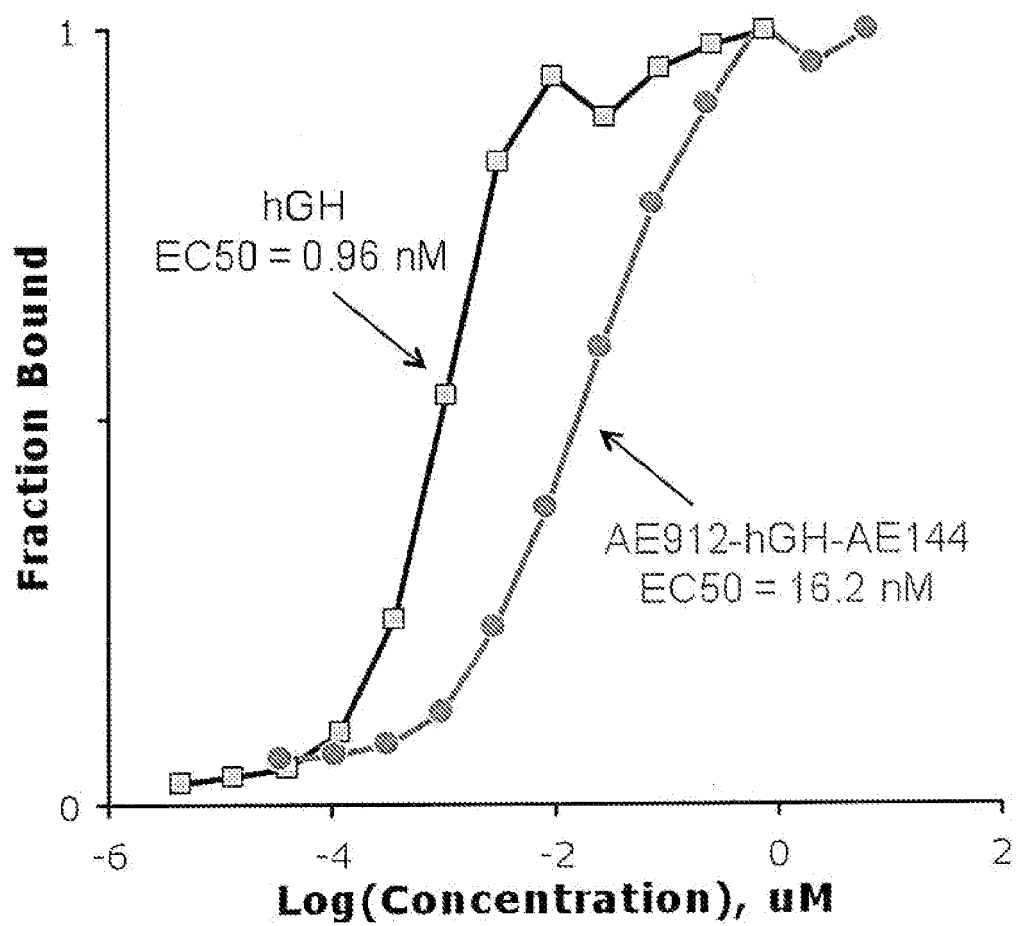


FIG. 18

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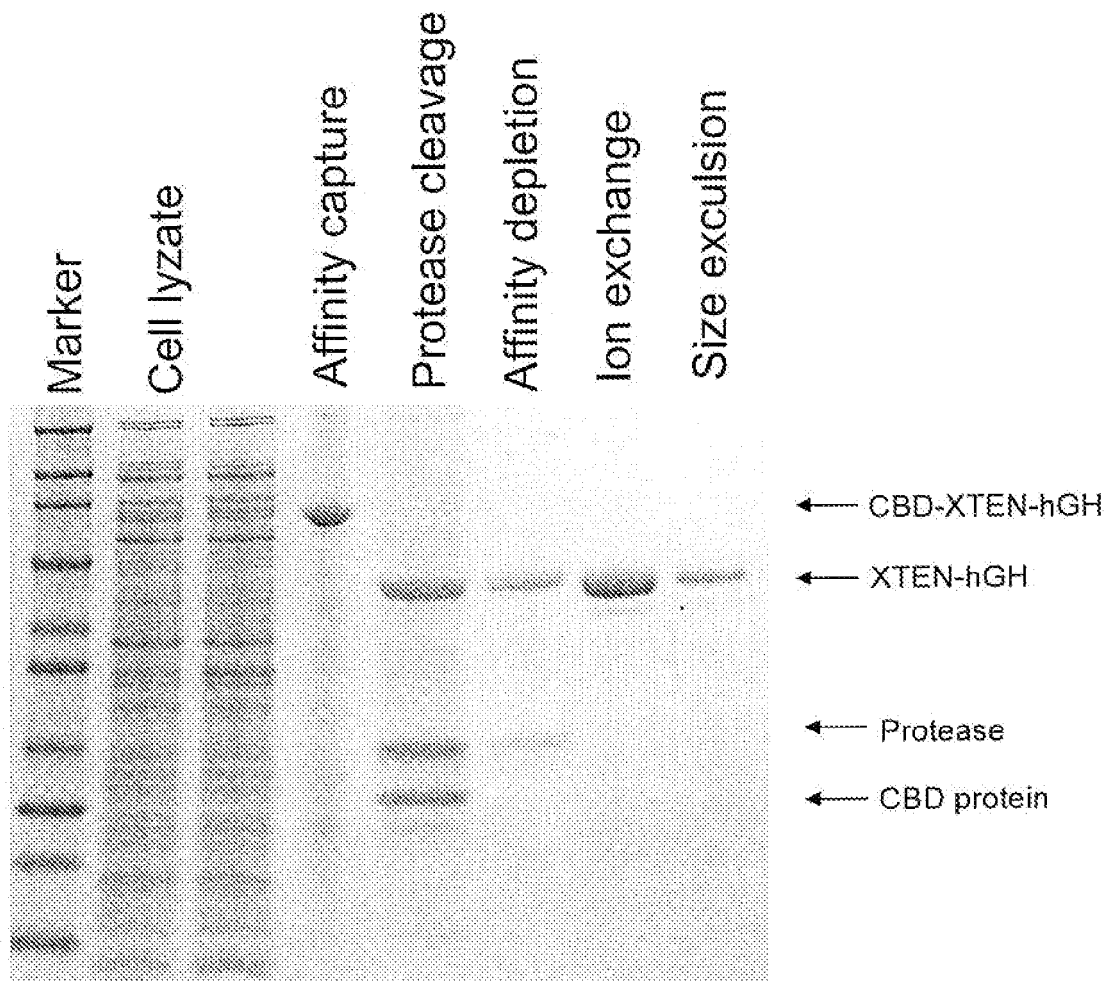


FIG. 19

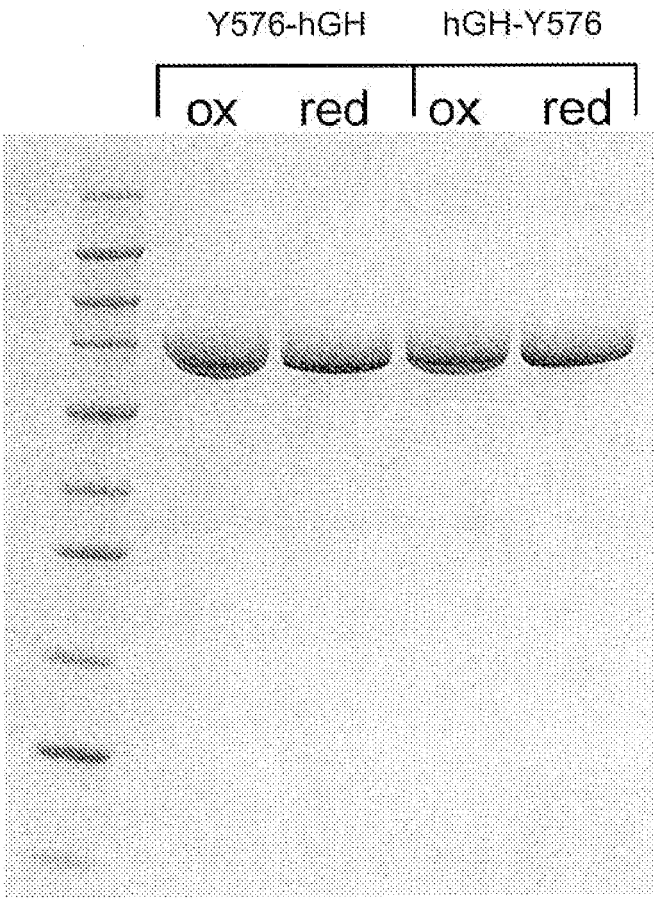


FIG. 20

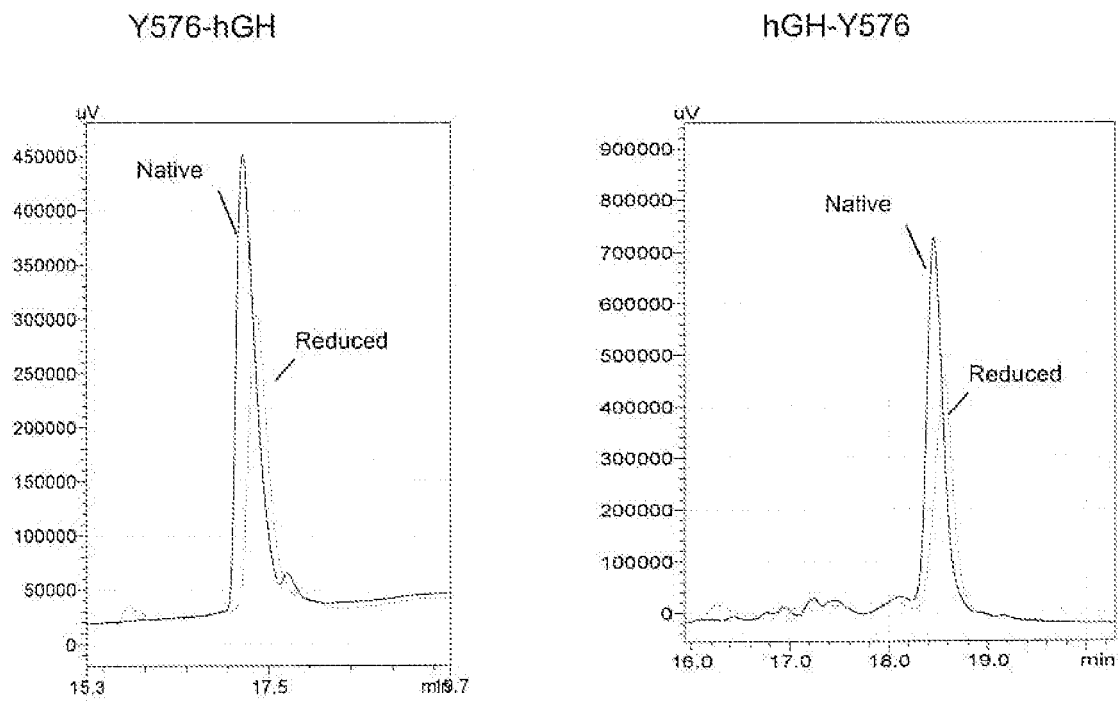


FIG. 21

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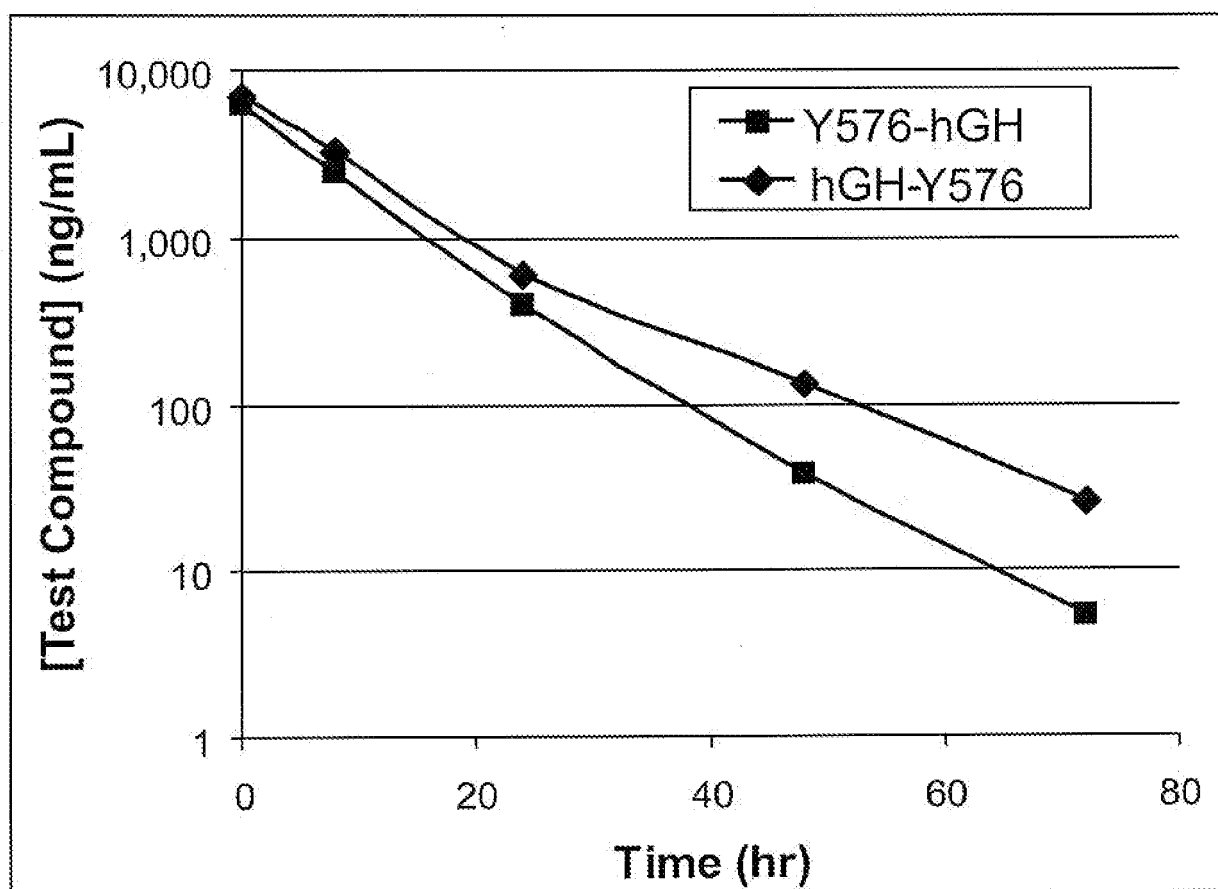


FIG. 22

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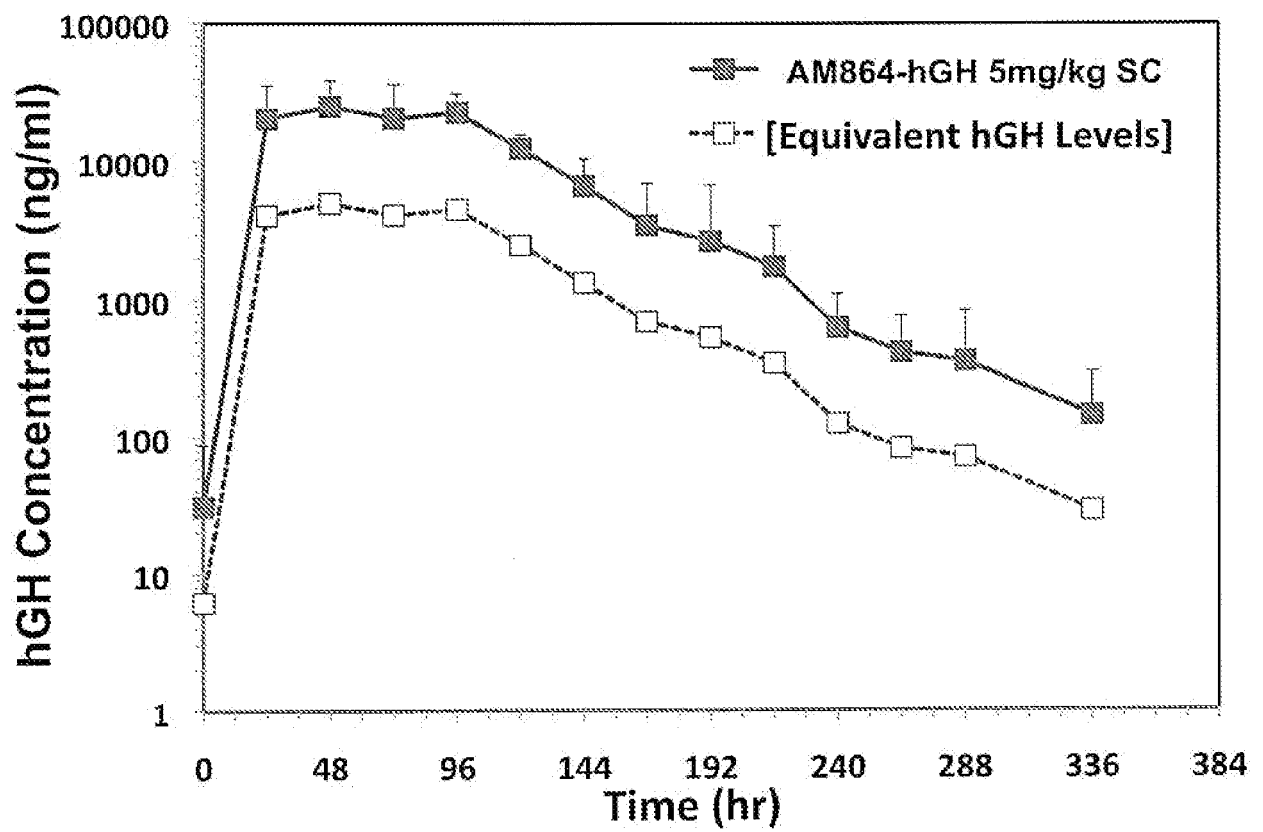


FIG. 23

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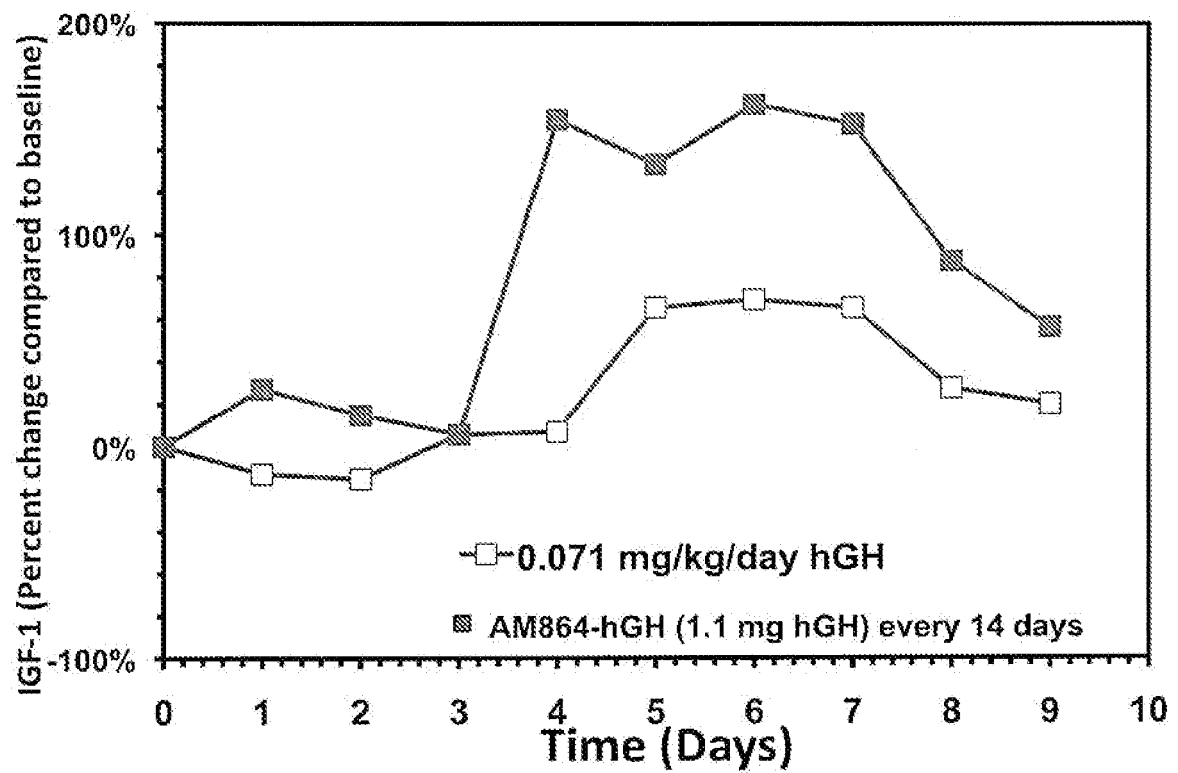


FIG. 24

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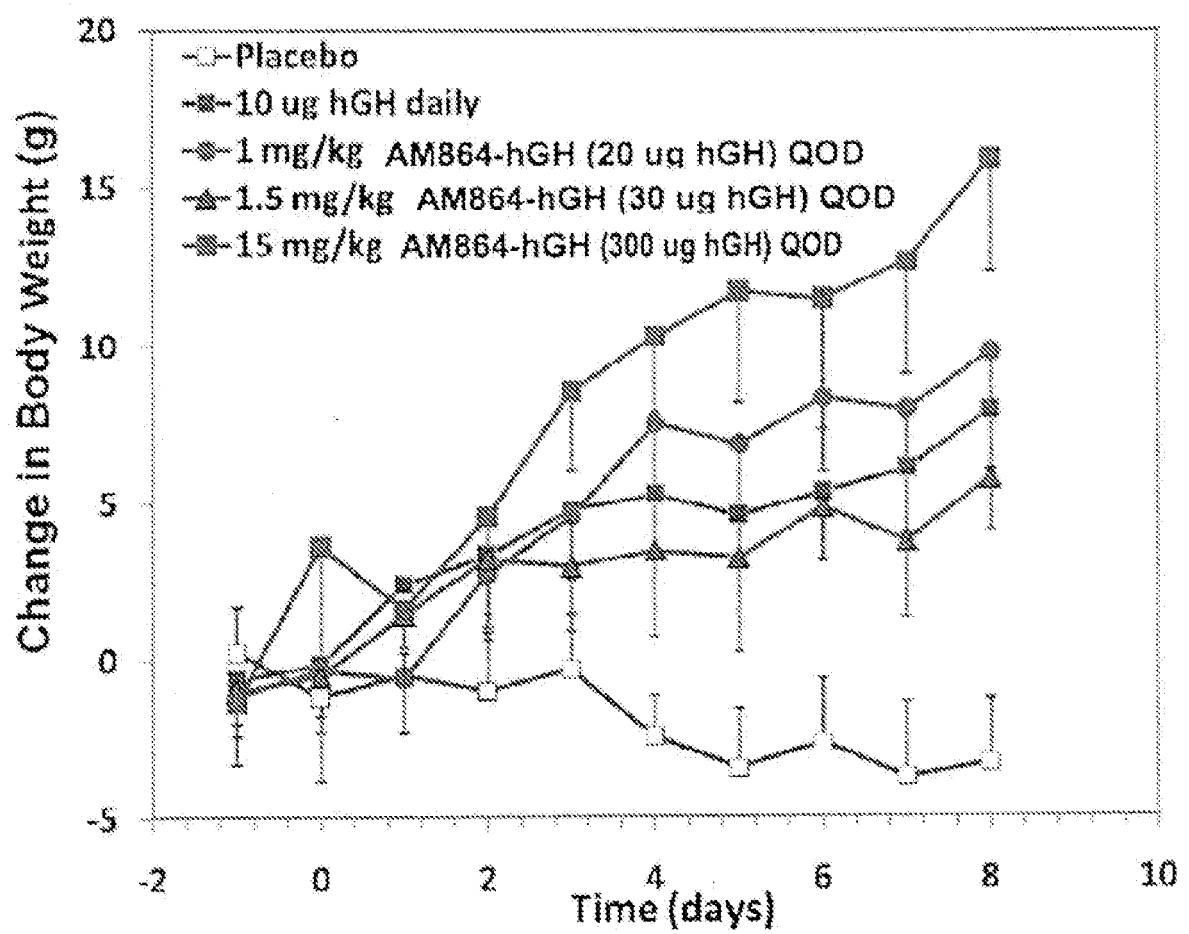
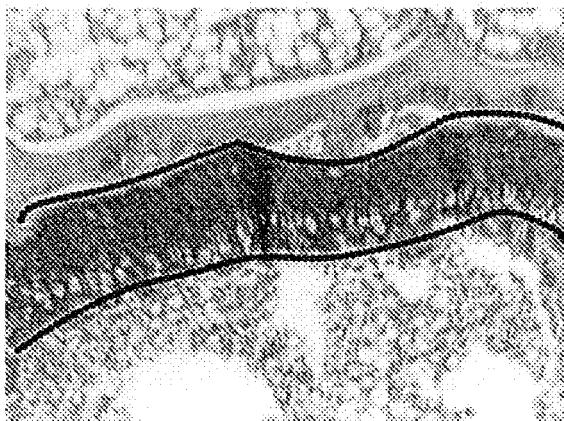


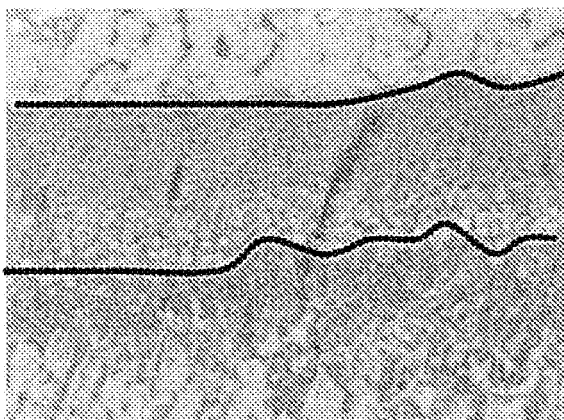
FIG. 25

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A.



B.



C.

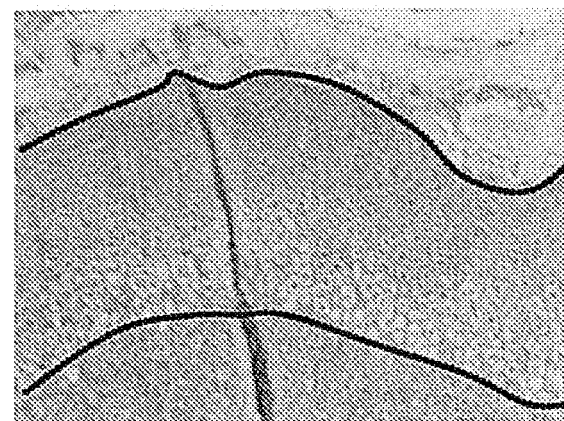


FIG. 26

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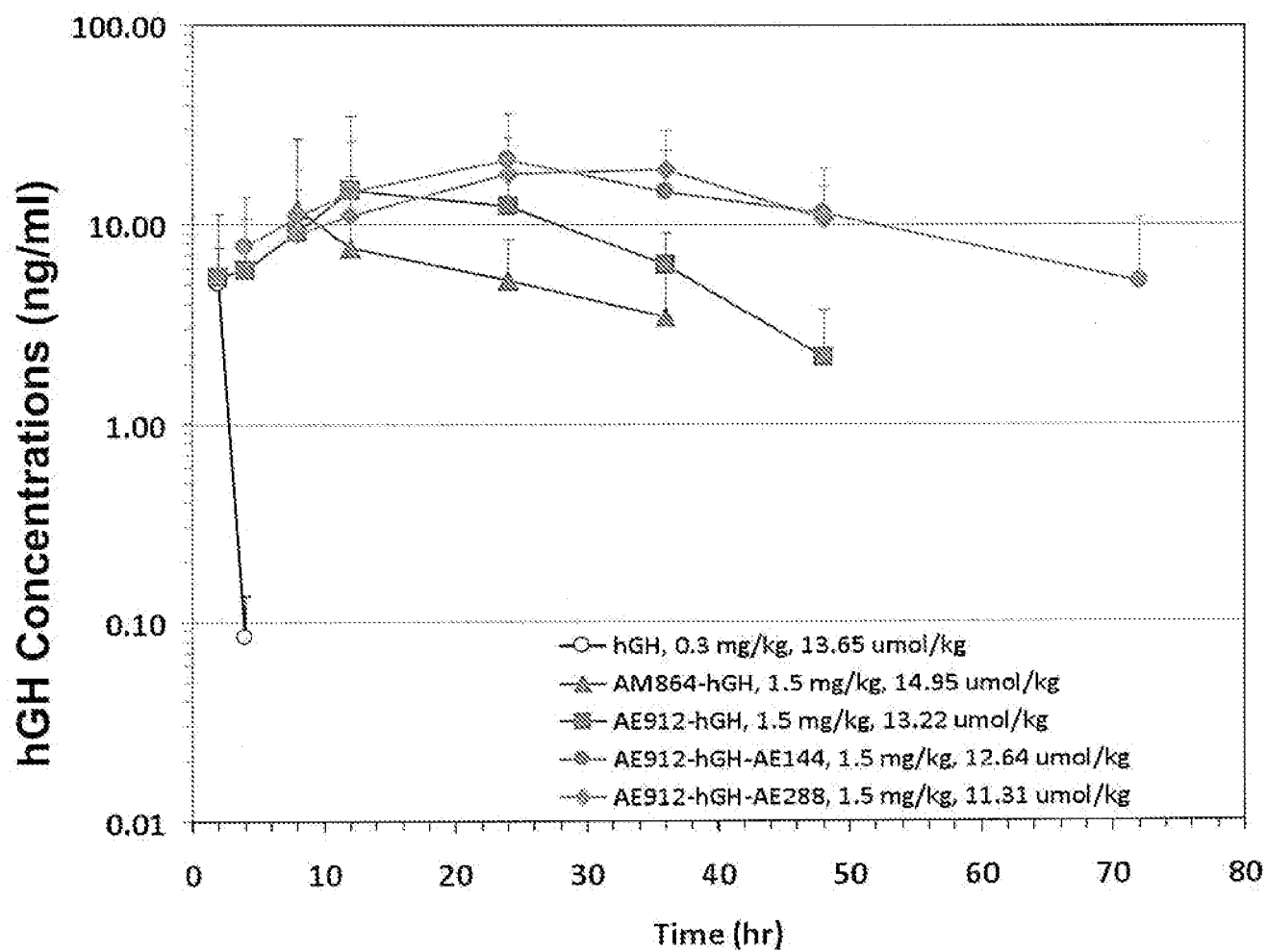


FIG. 27

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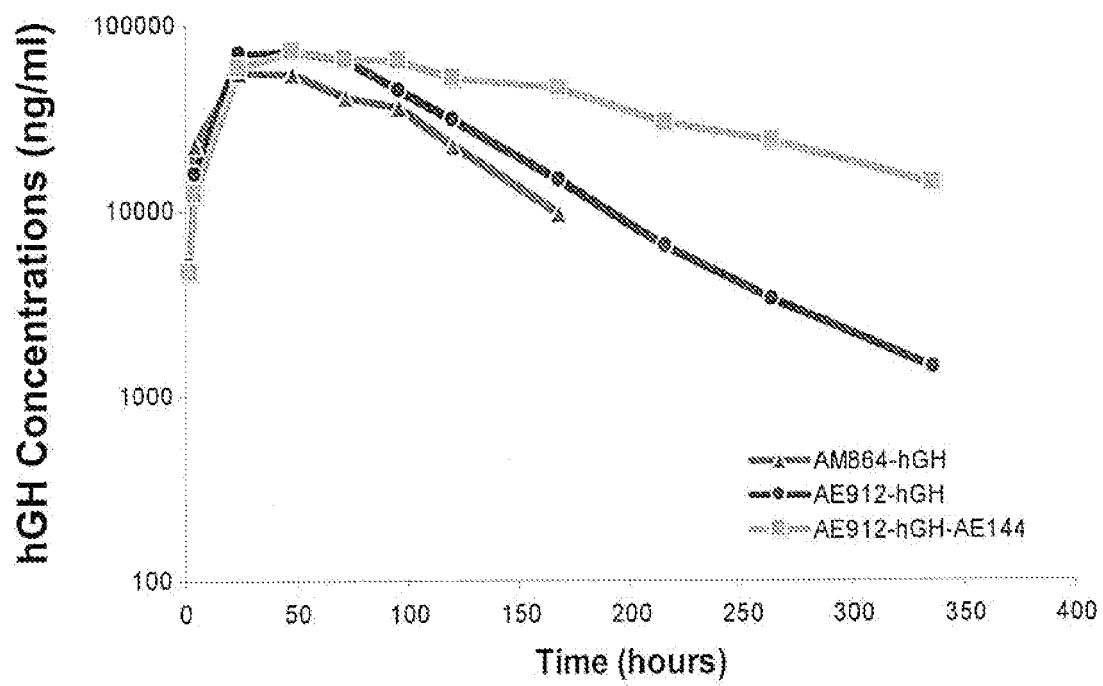


FIG. 28

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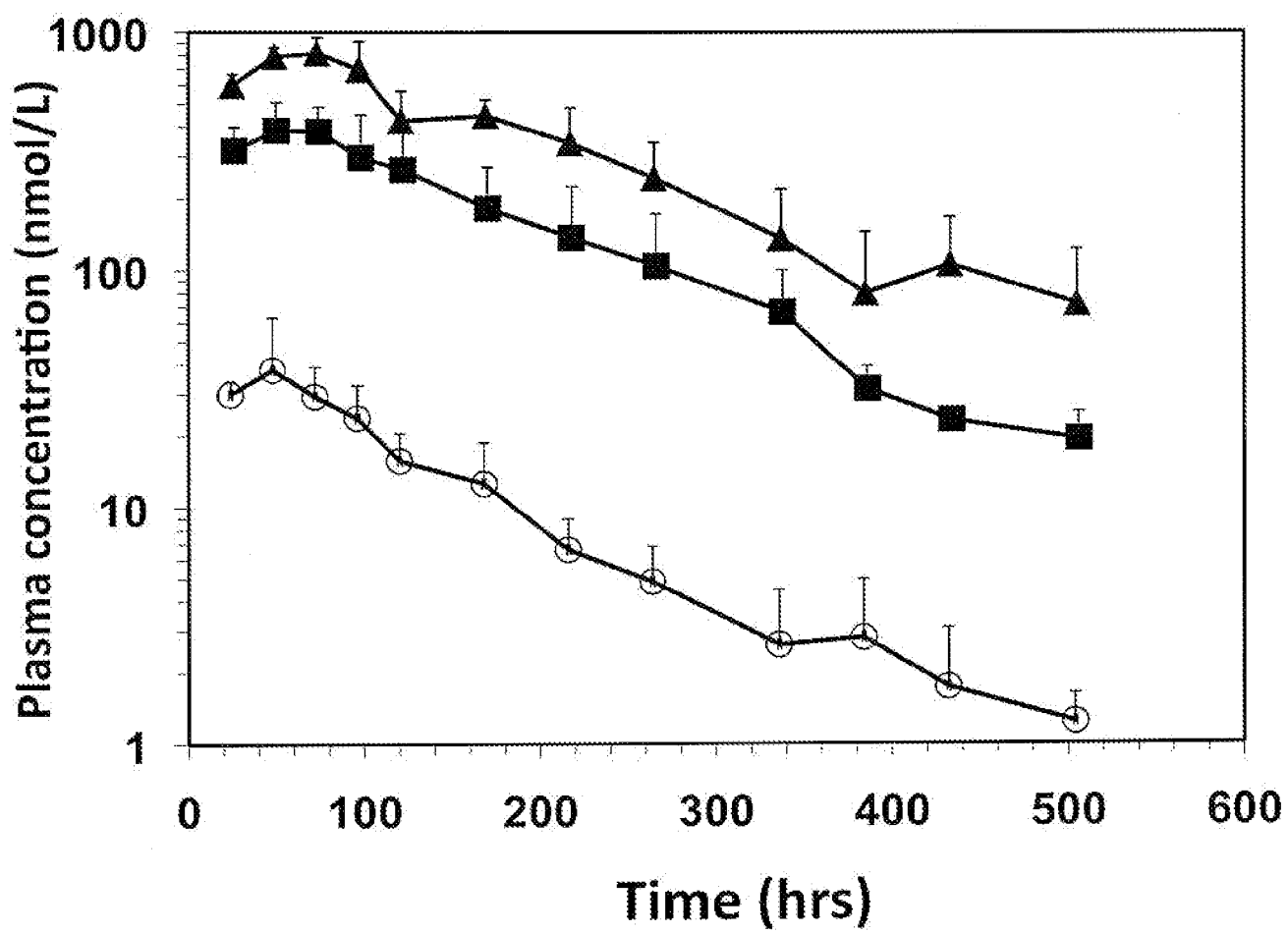


FIG. 29

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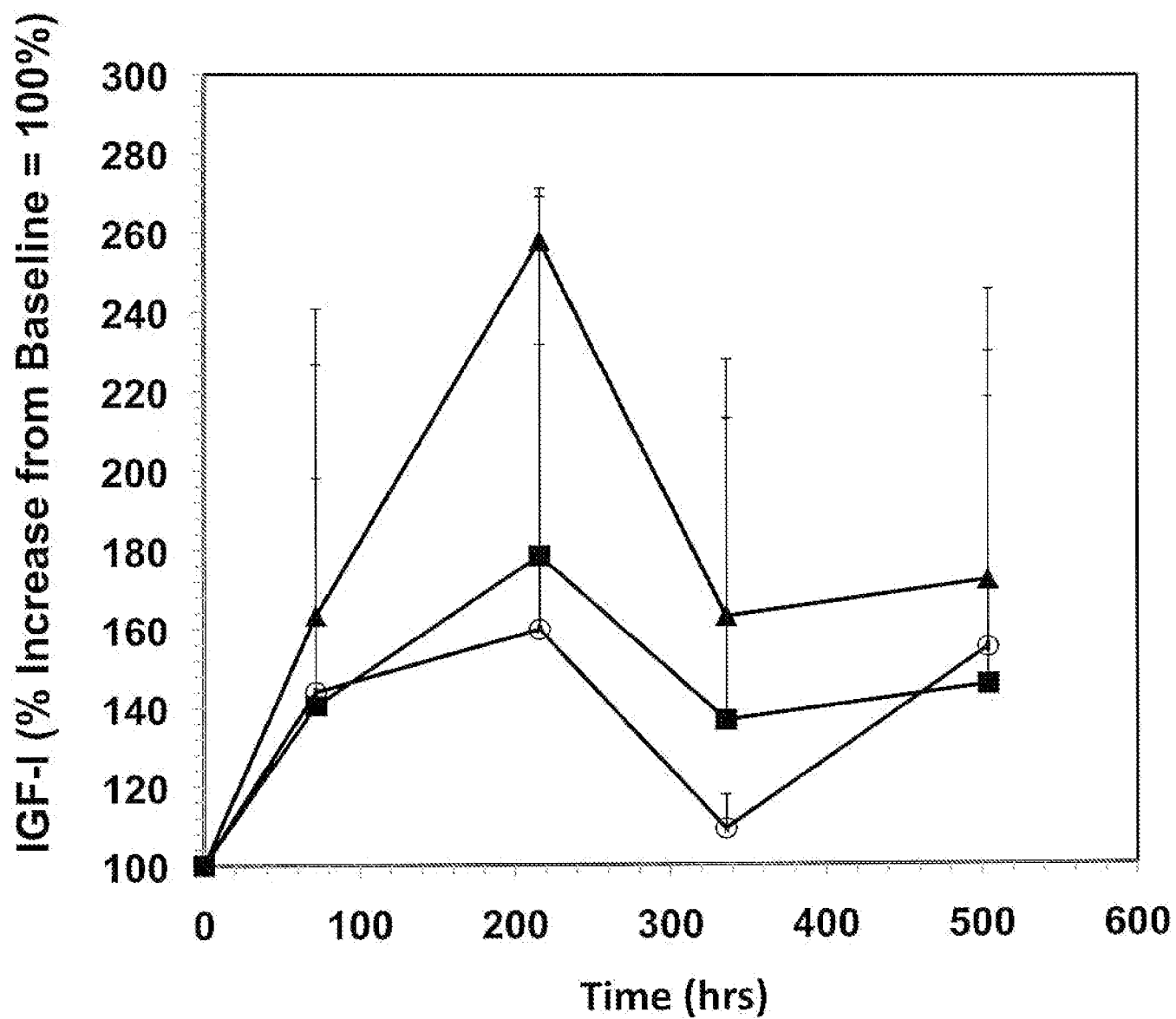


FIG. 30

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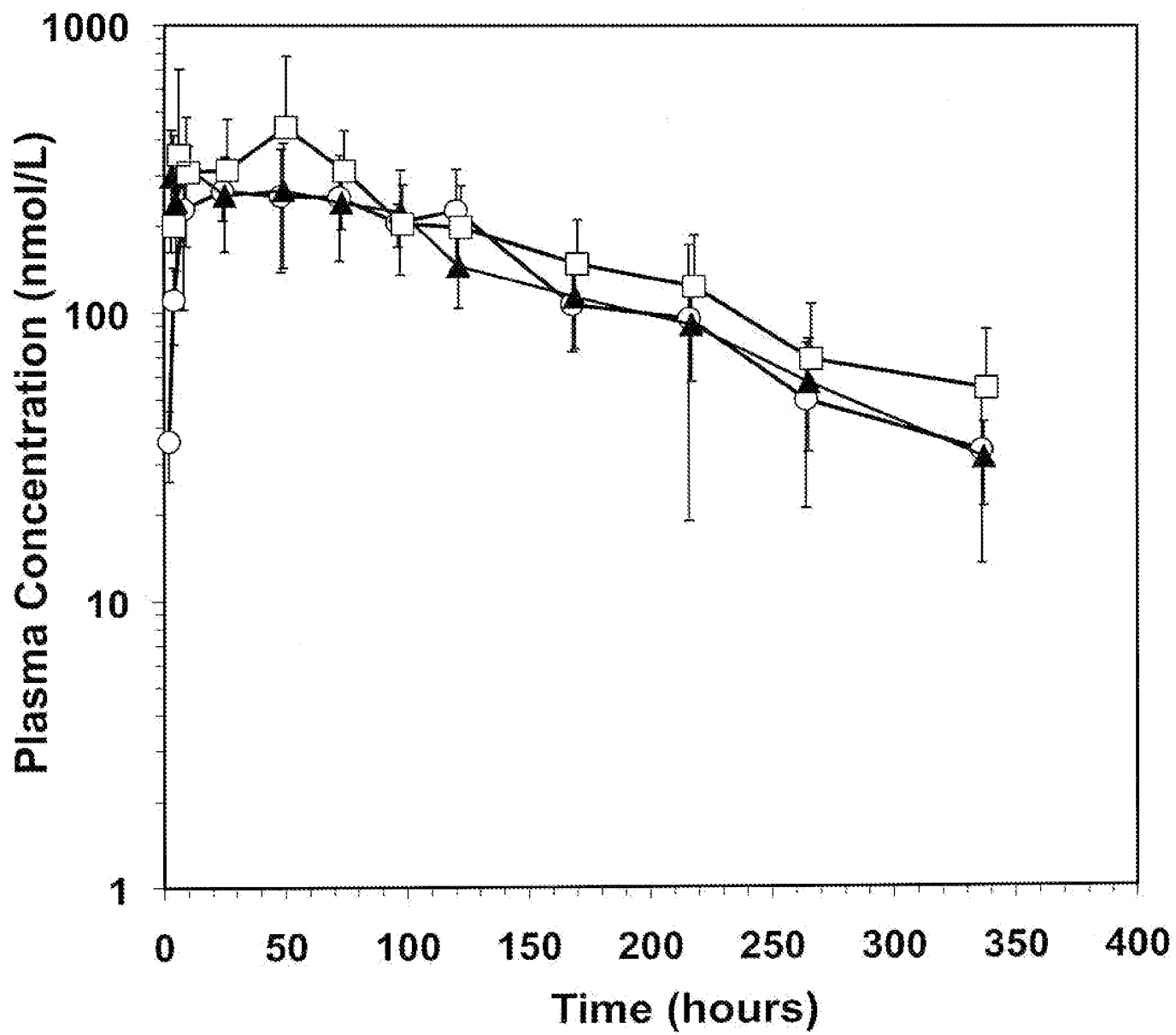


FIG. 31

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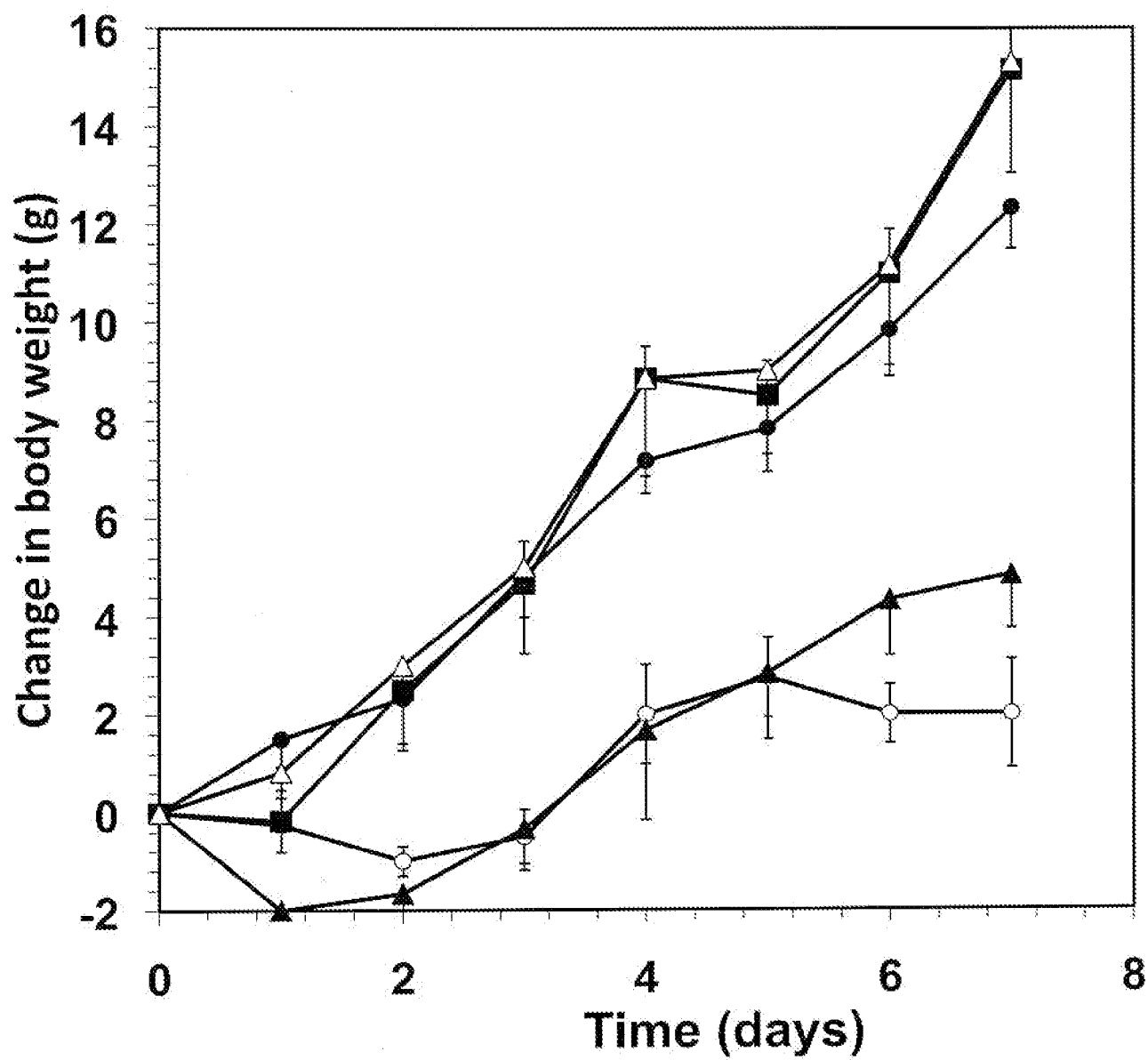


FIG. 32

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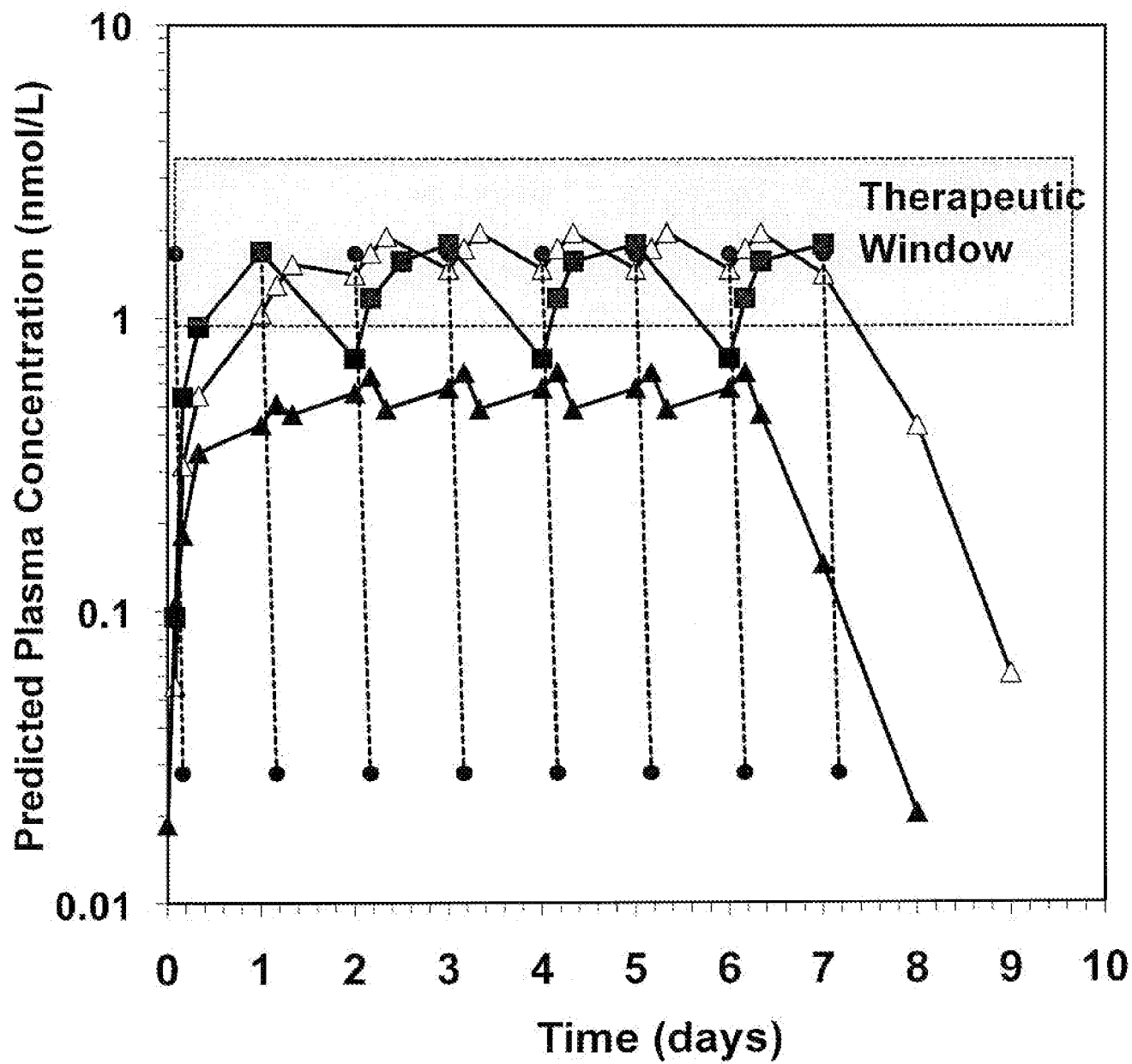
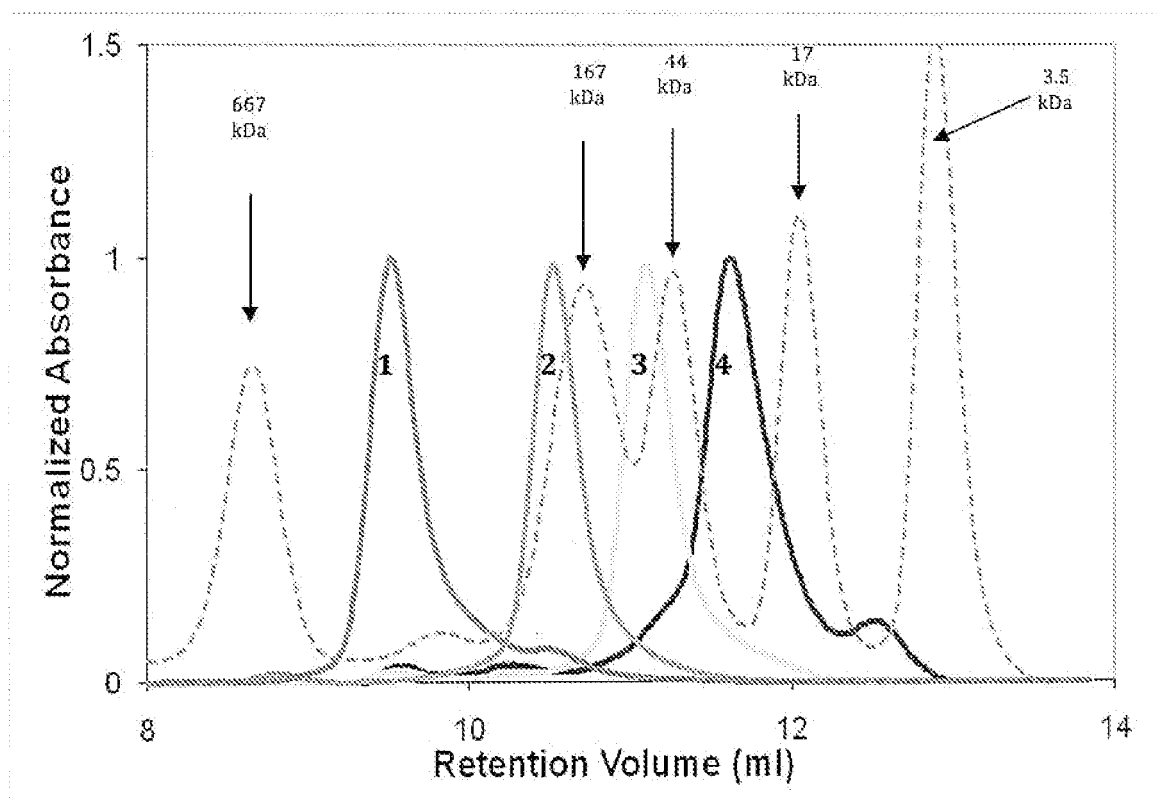


FIG. 33

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1. Glucagon-Y288
 2. Glucagon-Y144
 3. Glucagon-Y72
 4. Glucagon-Y36
- = Standards

FIG. 34

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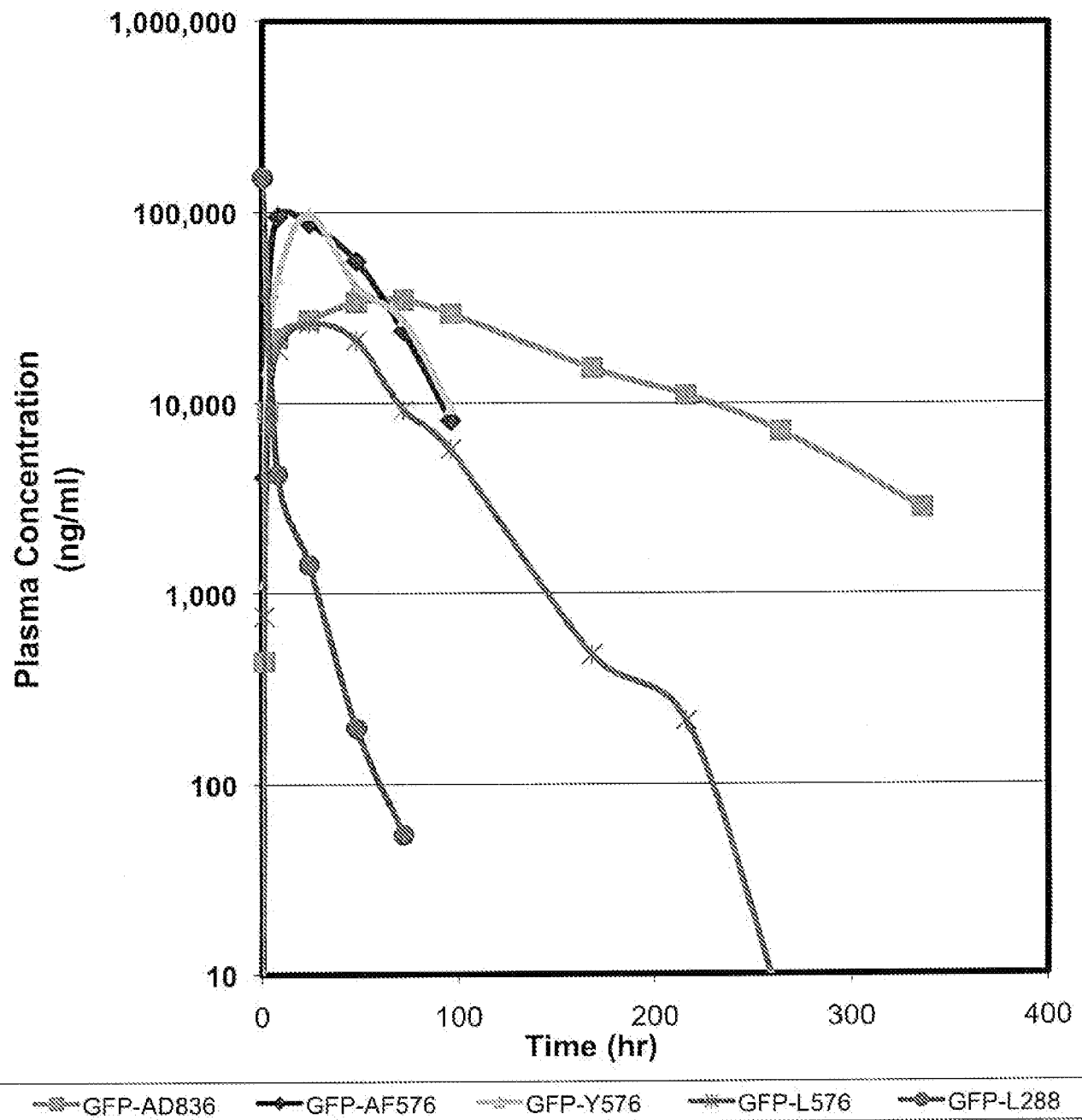


FIG. 35

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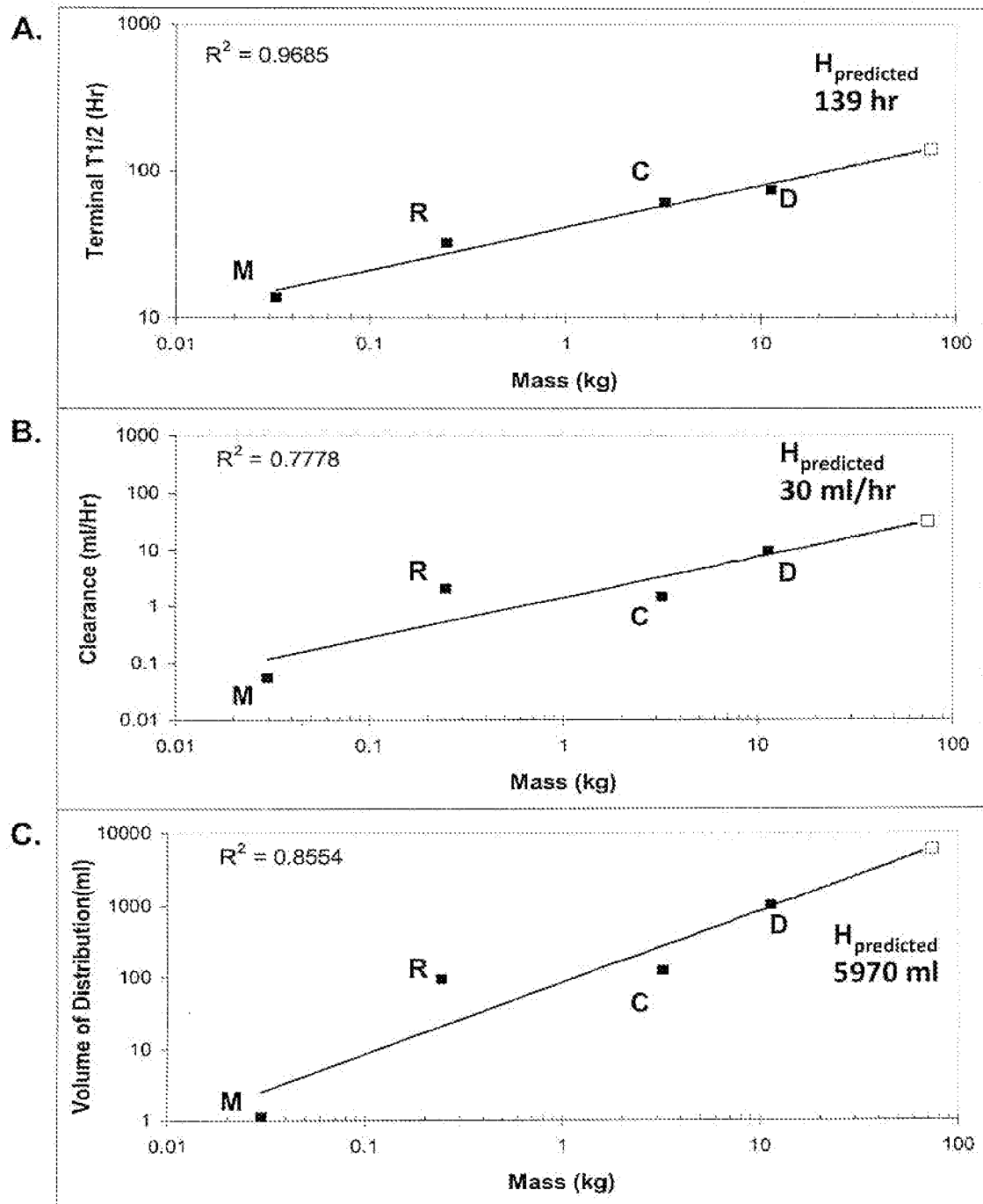
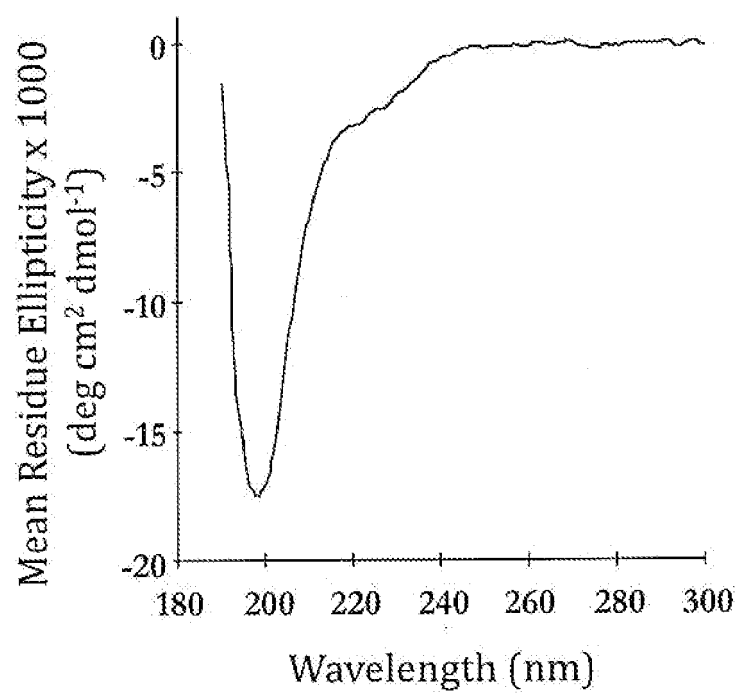


FIG. 36

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**FIG. 37**