

FIG. 1A

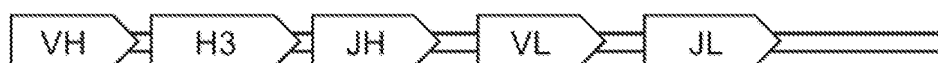


FIG. 1B

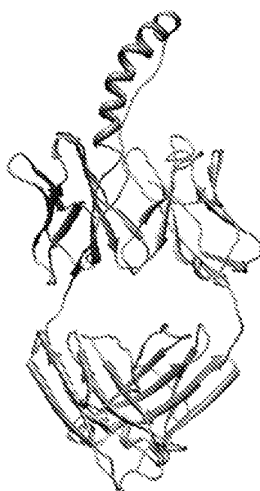
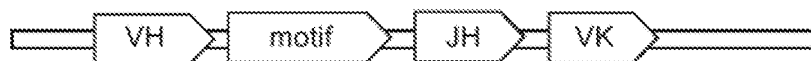


FIG. 2

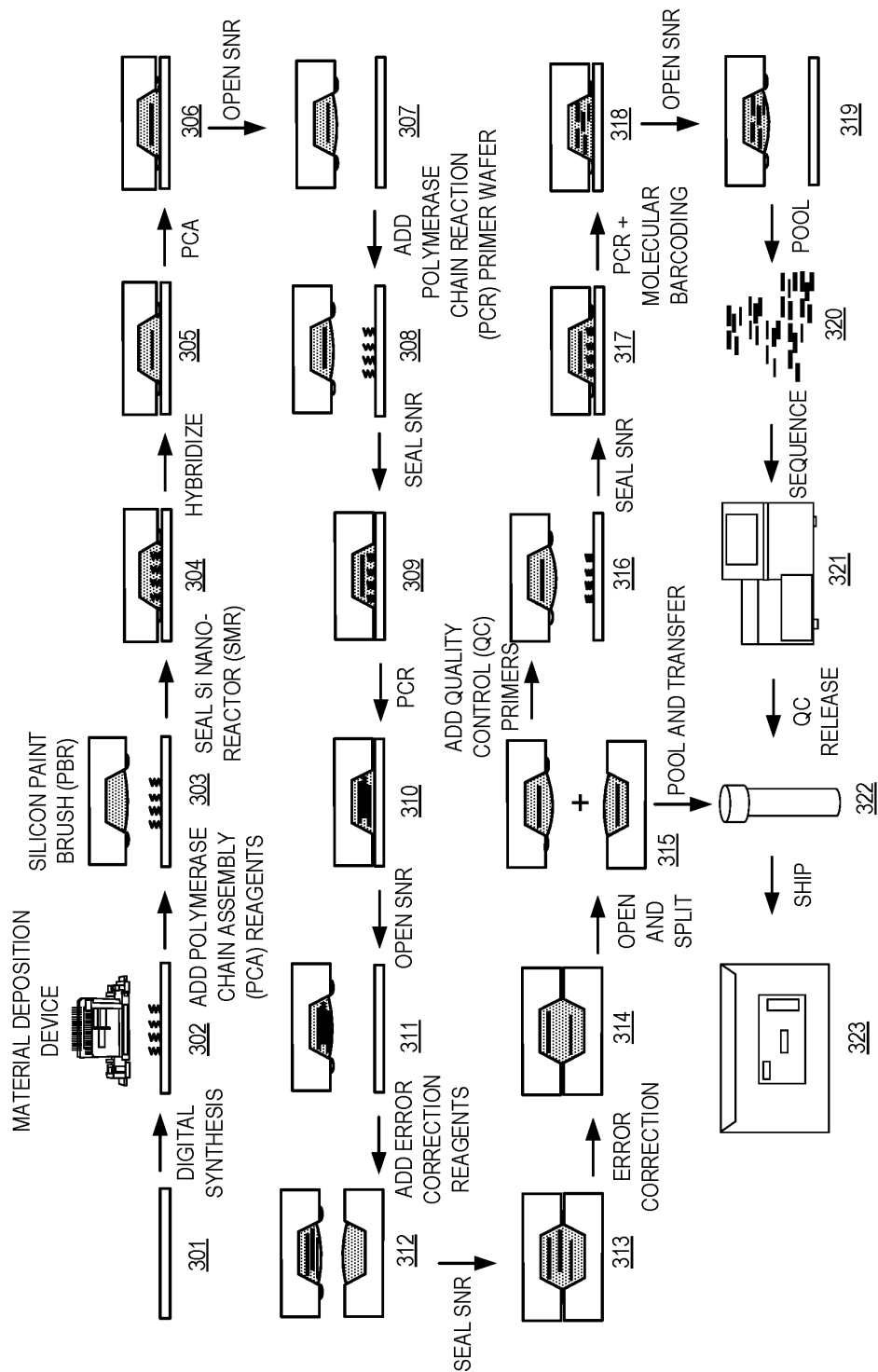


FIG. 3

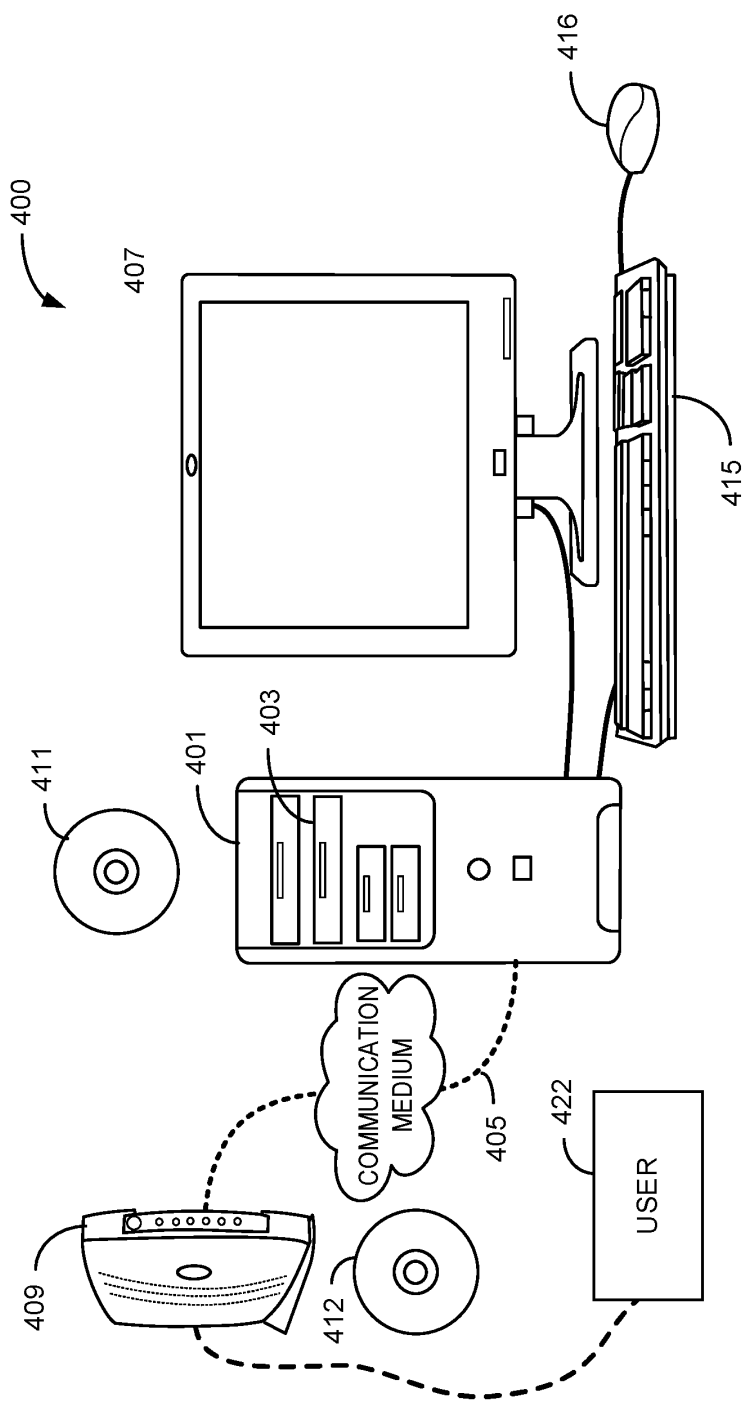


FIG. 4

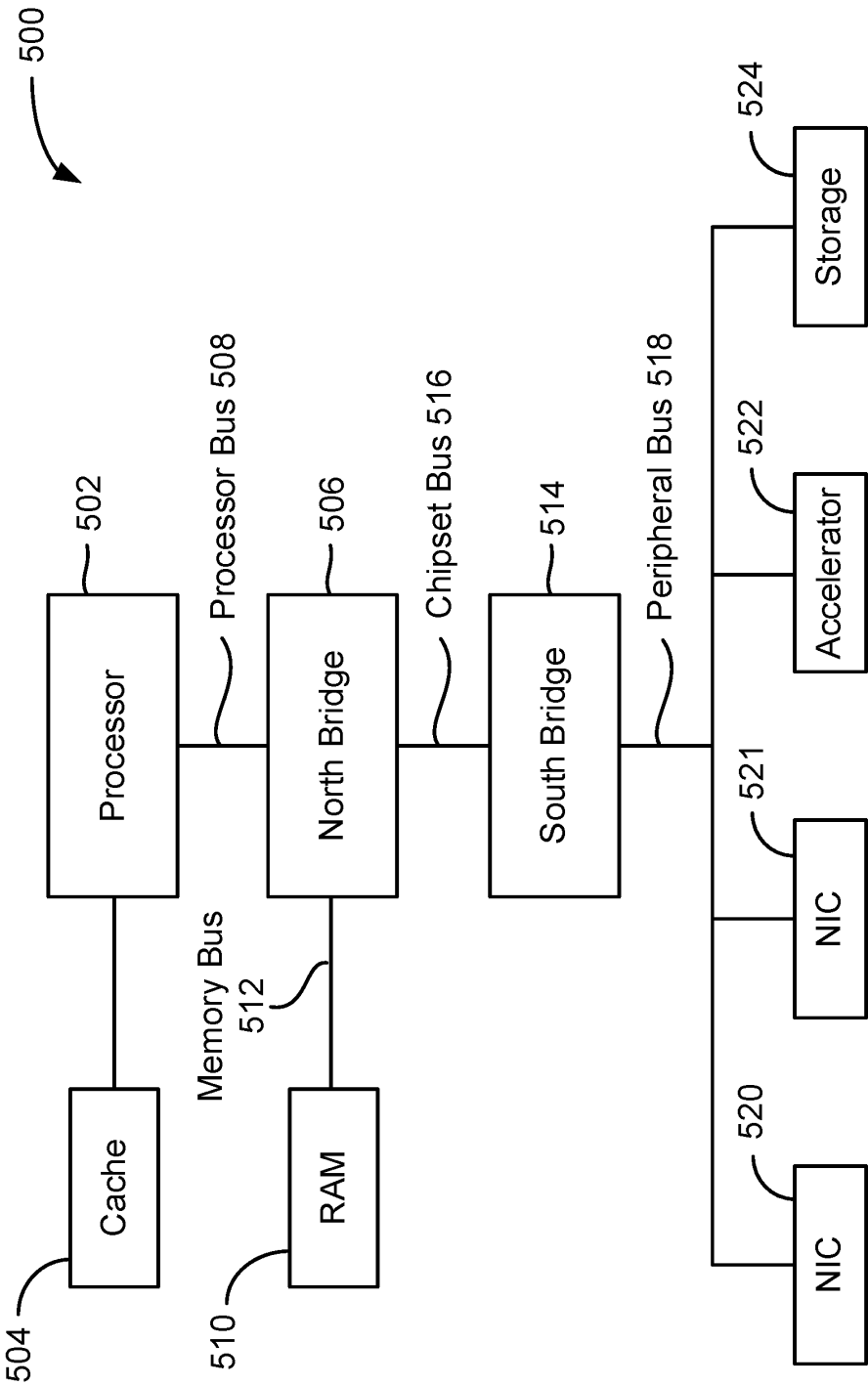


FIG. 5

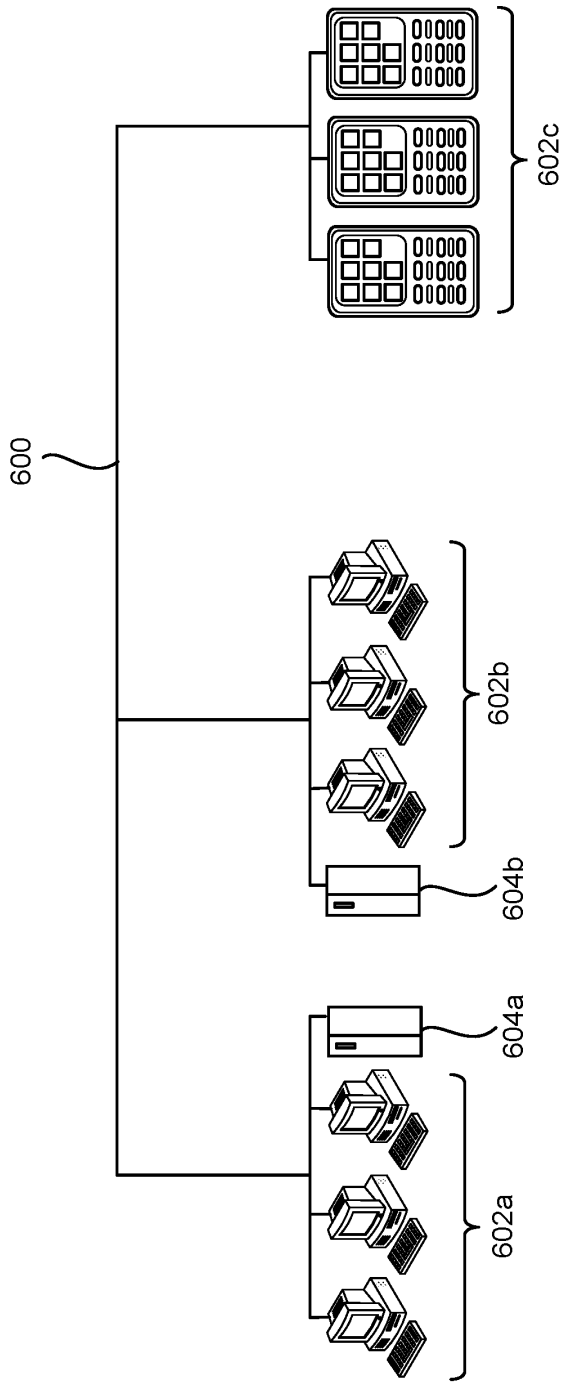


FIG. 6

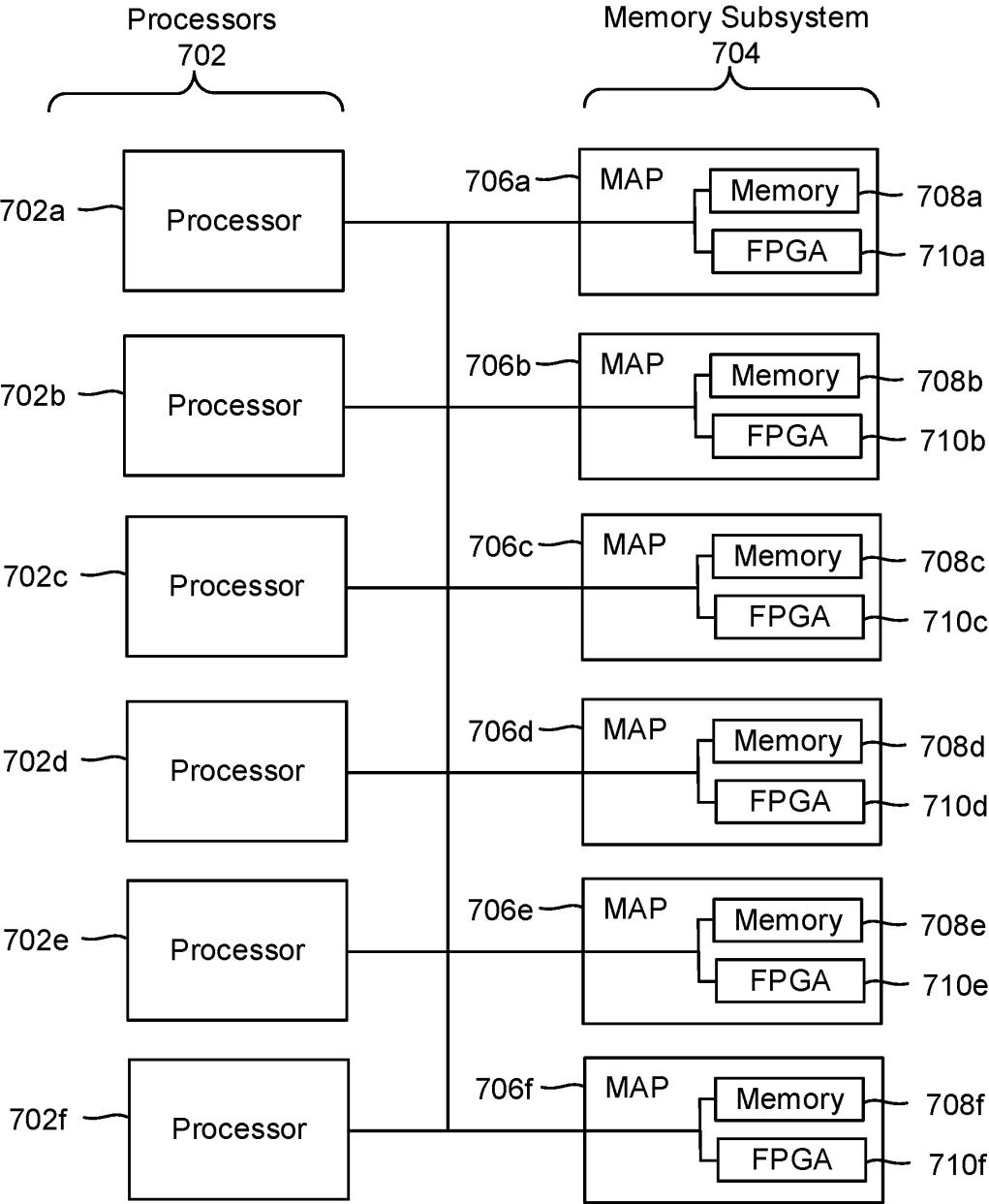


FIG. 7

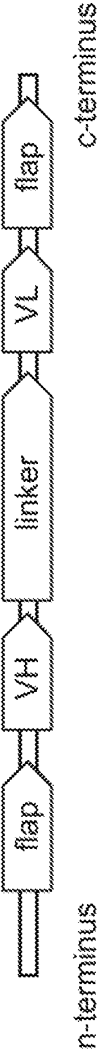


FIG. 8A



FIG. 8B

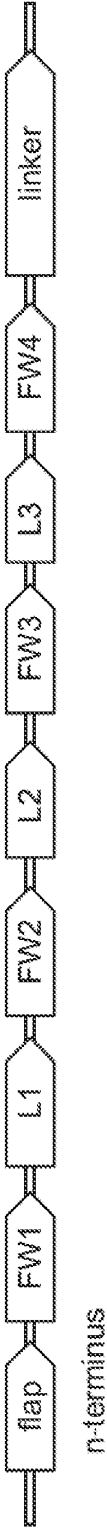


FIG. 8C

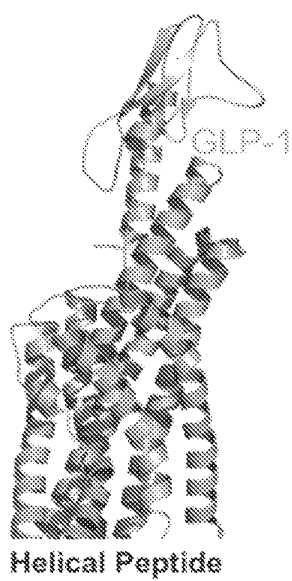


FIG. 9A

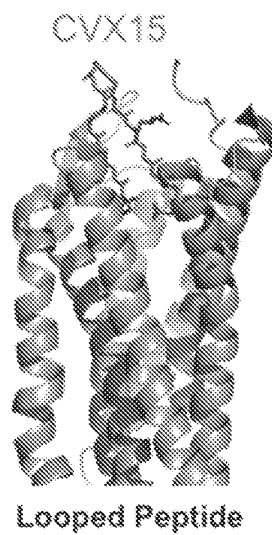


FIG. 9B

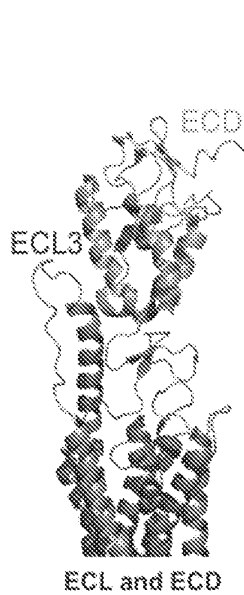


FIG. 9C

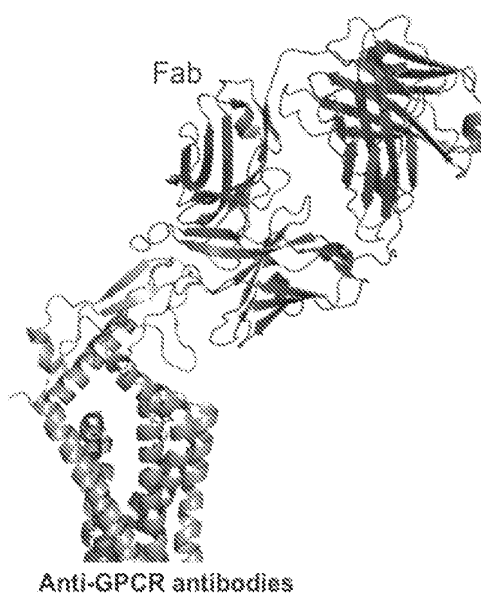


FIG. 9D

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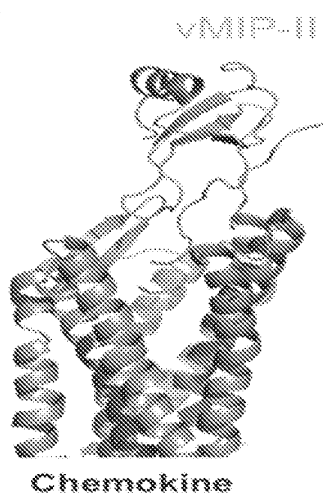


FIG. 9E

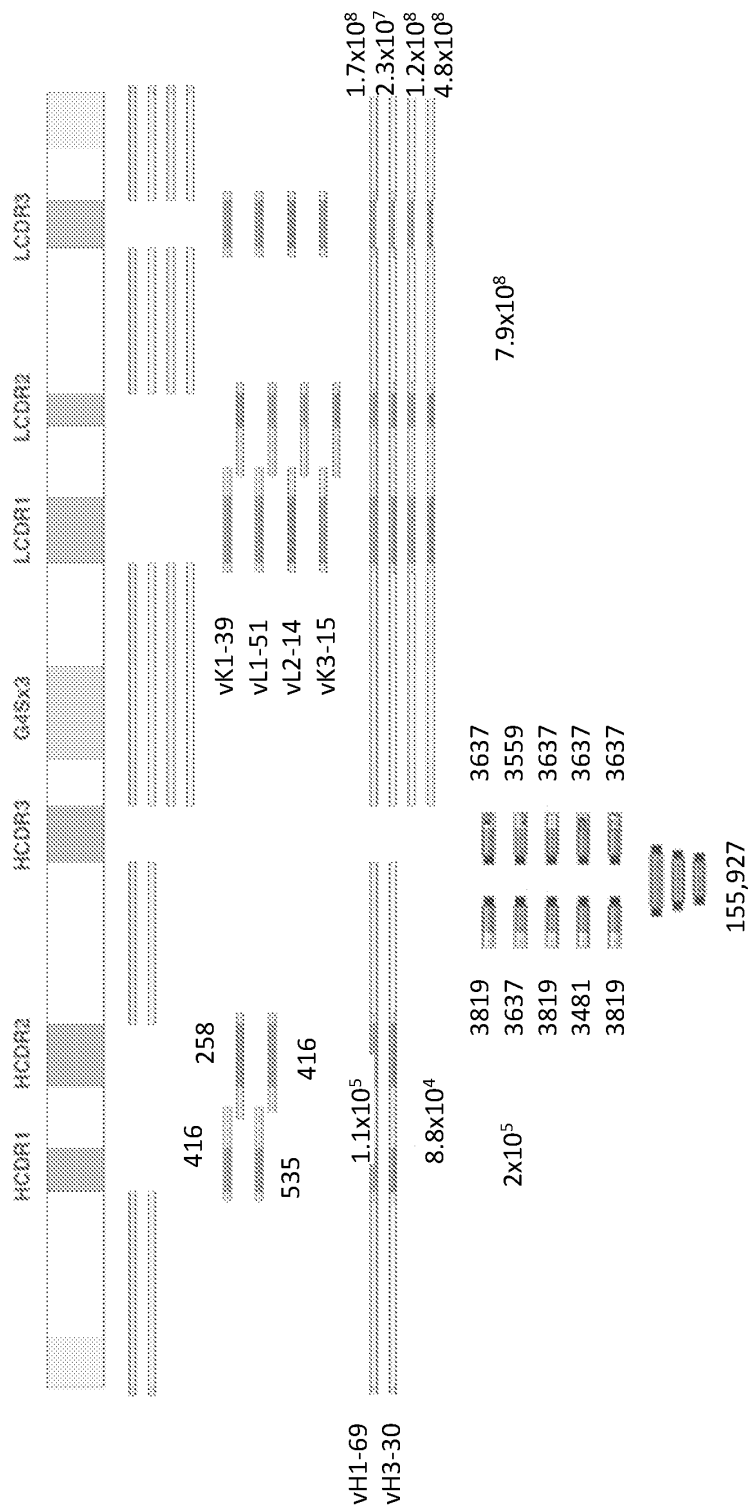
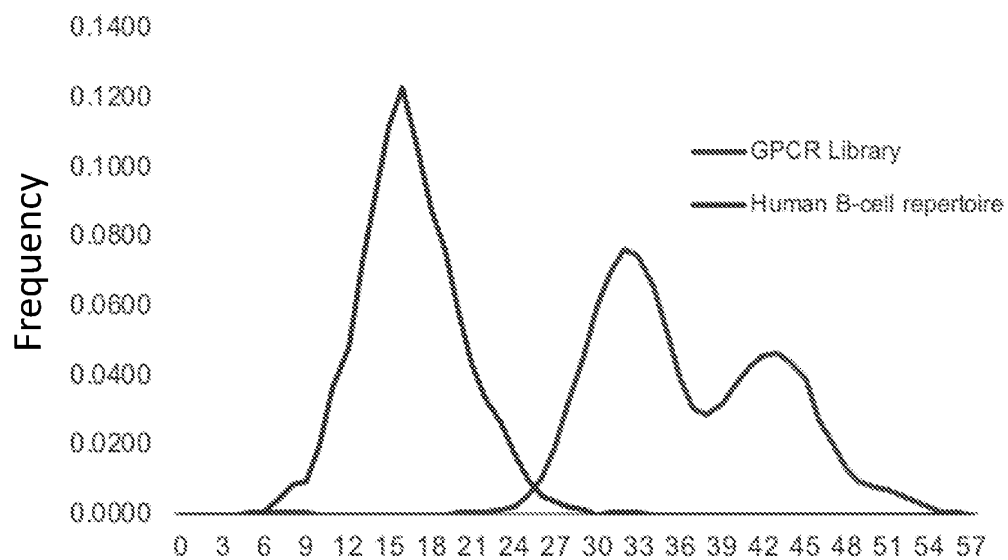
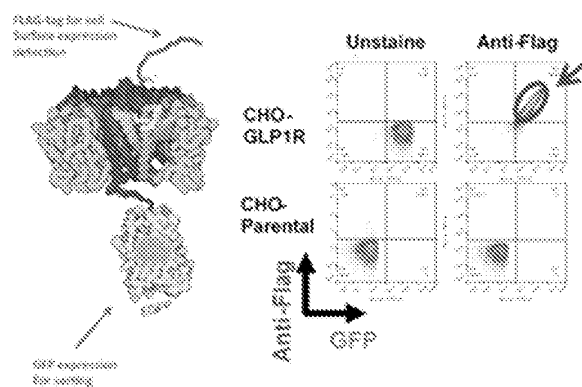


FIG. 10

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**FIG. 11****FIG. 12A**

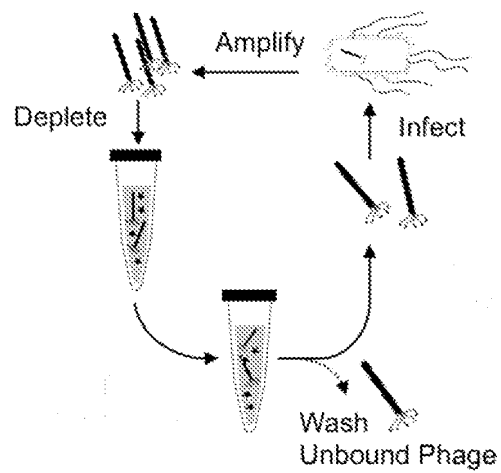


FIG. 12B

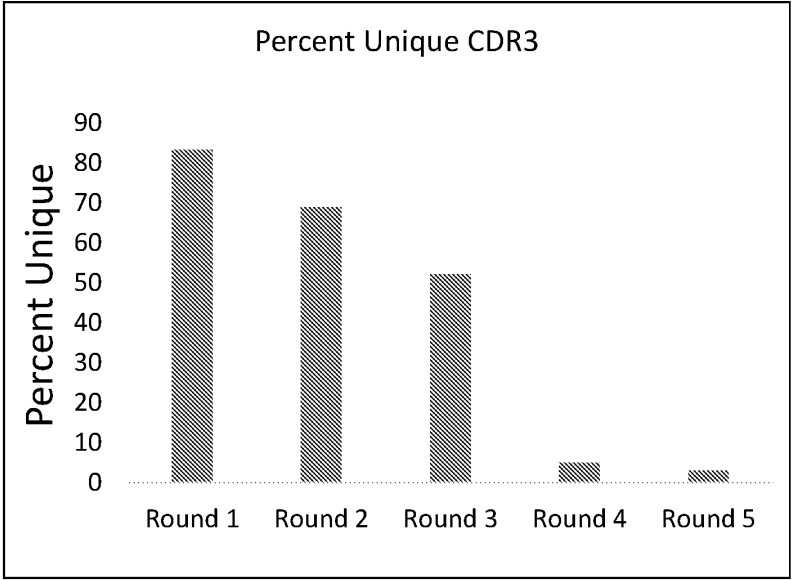


FIG. 13

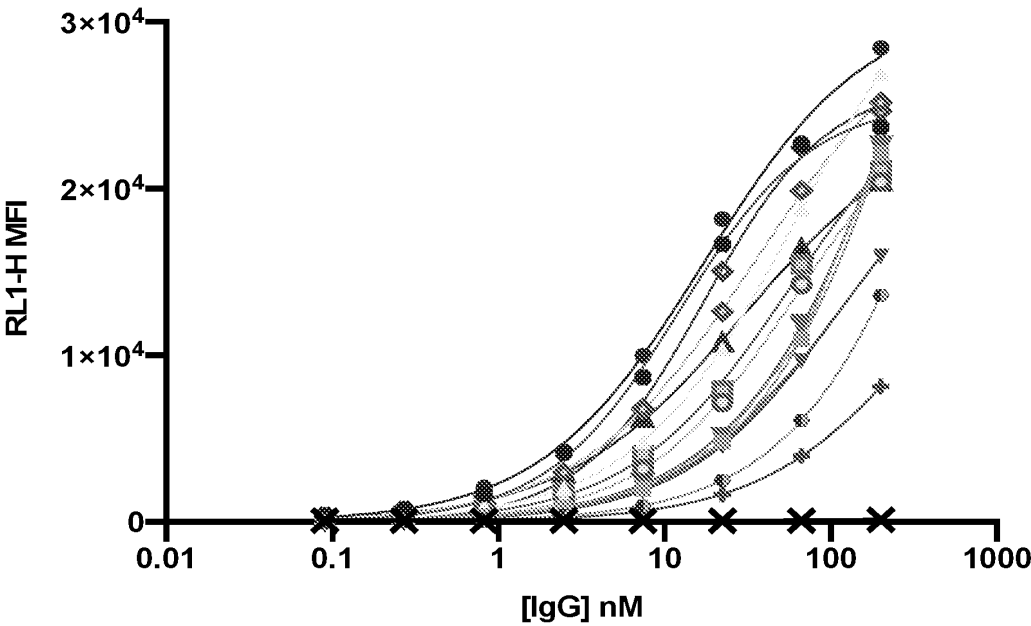


FIG. 14

HCDR3	
Glucagon-like peptide 1	HAEGTFTSDVSSYLEGQAAKEFLAWLVKGRG
GLP1R-3	CAKHMSMQEGAVTCEGQAAKEFLAWLVKGRVADLVGDAFDVW
GLP1R-8	CARDGRGSLPRPKGGPQIVGEGQAAKEFLAWLVKGLTYDSSEDSGGAFDIW
GLP1R-56	CARANQHFTSGAEGEGQAAKEFLAWLVKGTIPSYHYYGMDVW
GLP1R-58	CARANQHFGLLAQEGQAAKEFLAWLVKSGTGYGHHYGMVW
GLP1R-60	CAKHMSMQDYLVICGQAAKEFLAWLVKGGPARADLVGDAFDVW
GLP1R-72	CARDMYYDFHPEGTFTSDVSSYLEGQAAKEFLAWLVKGLIYEVVPADDAFDIW
Glucagon-like peptide 2	HADGSFSDENMTILDNLAARDFINWLIQTKITD
GLP1R-25	CARANQHFLSHAGARDFINWLIQTKITGIGSGYHYGMVW
GLP1R-30	CARDMYYDFELKIGDNLAARDFINWLIQTKITDGTDEVPADDAFDIW
GLP1R-70	CARDGRGSLPRPKGGPSSGRDFINWLIQTKITDGFYDSSEDSGGAFDIW
GLP1R-98	CARDMYYDFGYFTGMNTILDNLAARDFINWLIQTKITDRGGSGSGSGSGGEVVPADDAFDIW
GLP1R-2	CARDMYYDFETVVEGIQVYEAALKAGKLGEVVPADDAFDIW
GLP1R-10	CARANQHFEFVFGSLKVLKGVAPESSESSEYDSSEDSGGAFDIW
GLP1R-26	CAKHMSMQECVLQCGIPSTIDWEGLLHLIPADLVGDAFDVW

FIG. 15

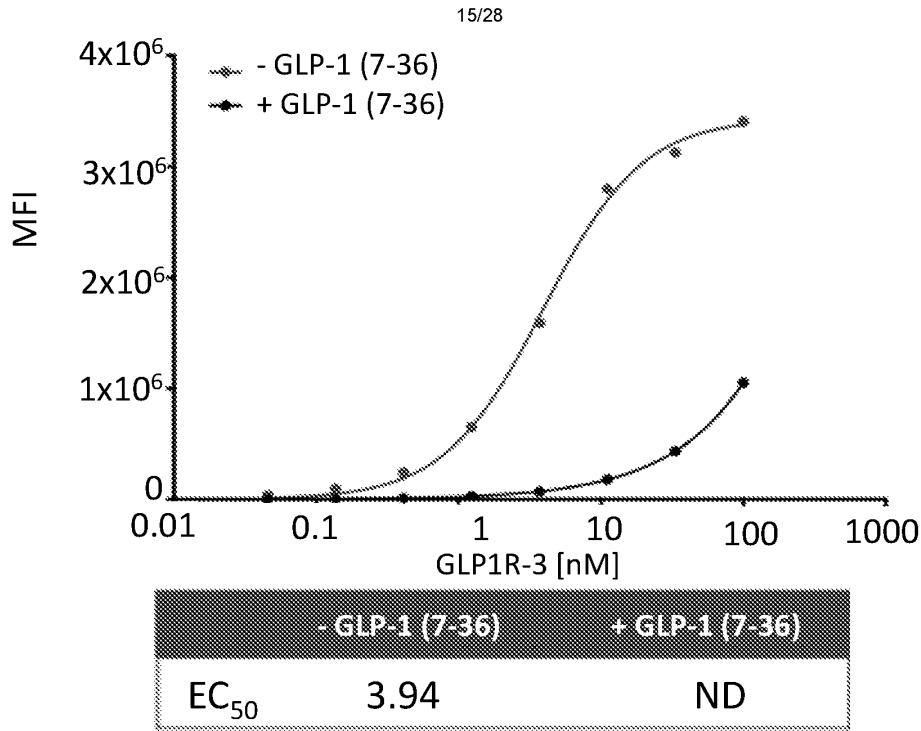


FIG. 16A

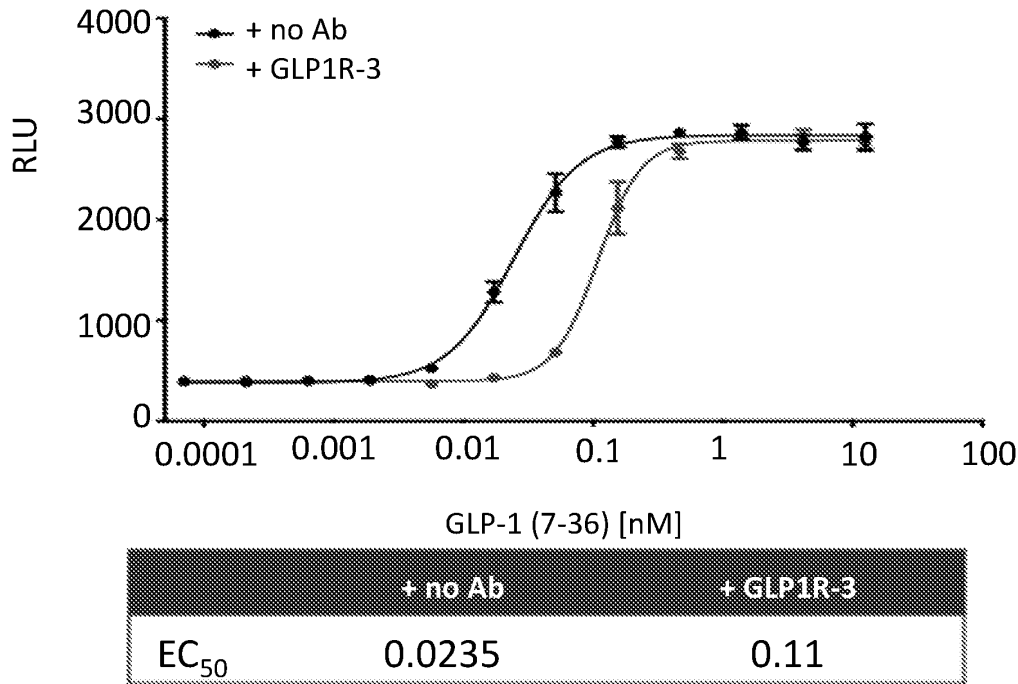
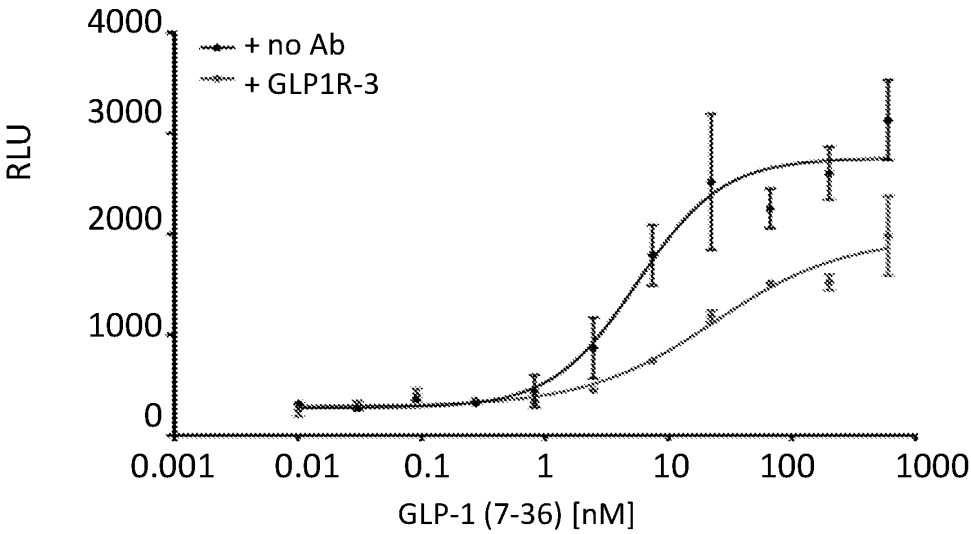


FIG. 16B

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	+ no Ab	+ GLP1R-3
EC ₅₀	5.6	23.4

FIG. 16C

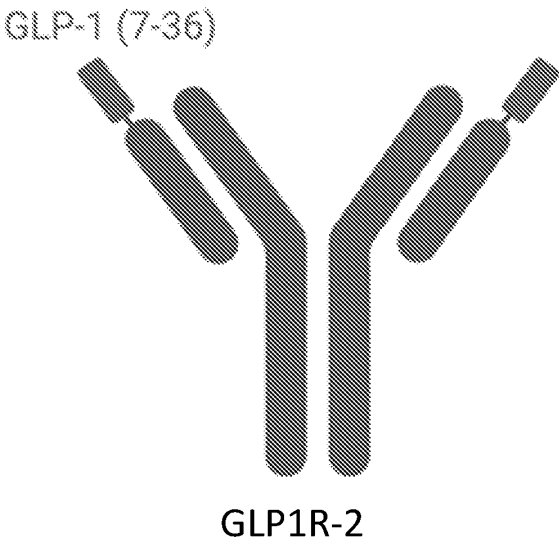


FIG. 17

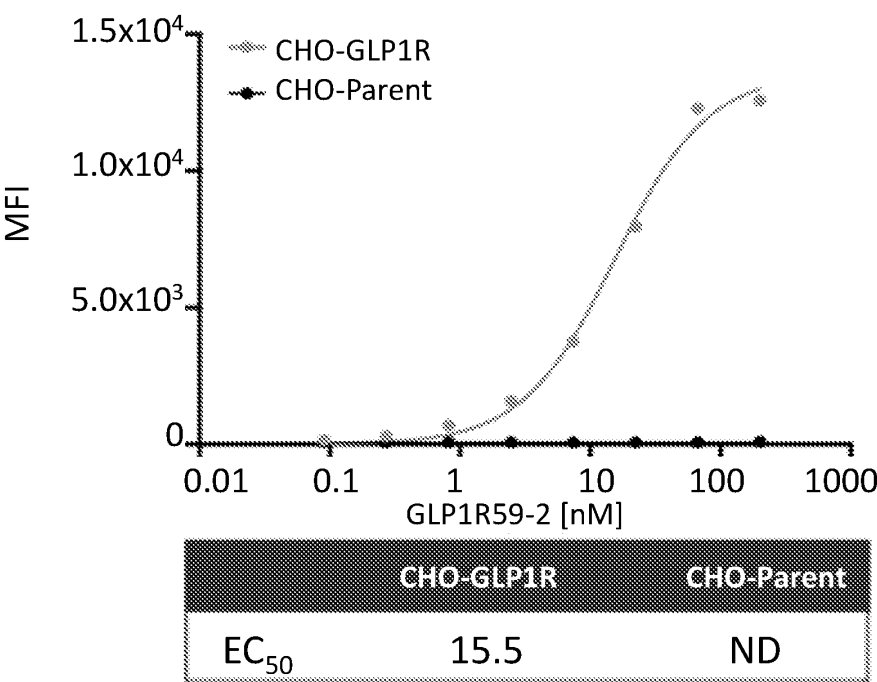


FIG. 18A

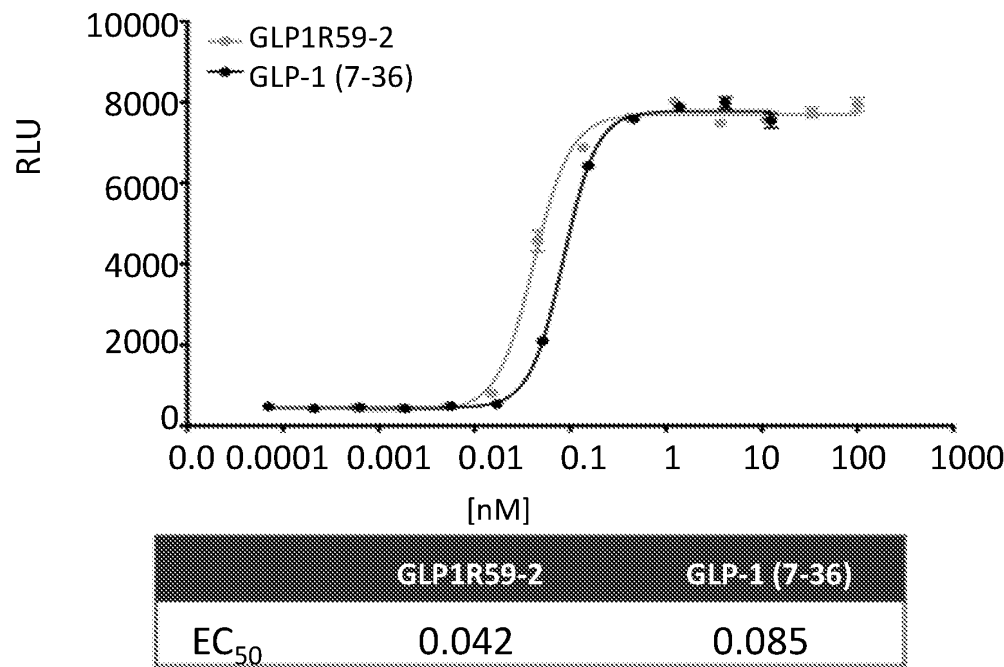


FIG. 18B

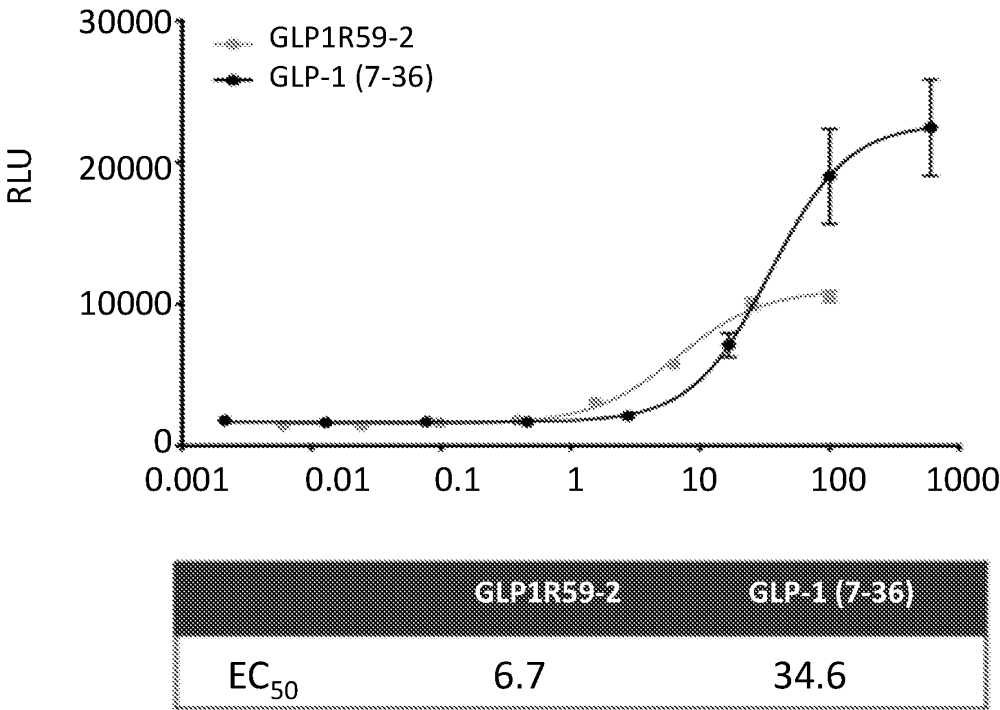
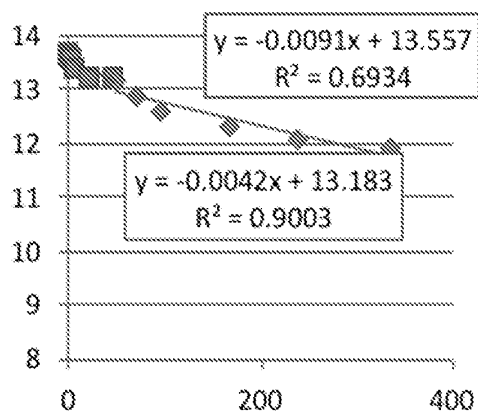


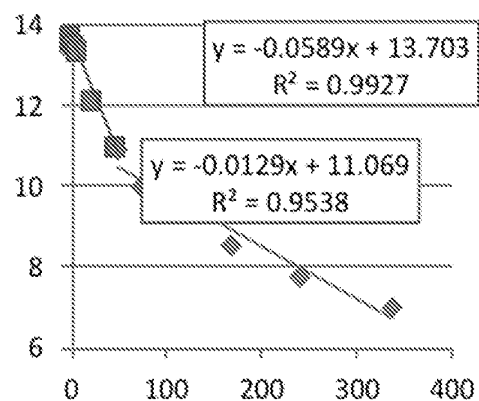
FIG. 18C

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GLP1R-3 2 Hrs

FIG. 19A



GLP1R-59-2 2 Hrs

FIG. 19B

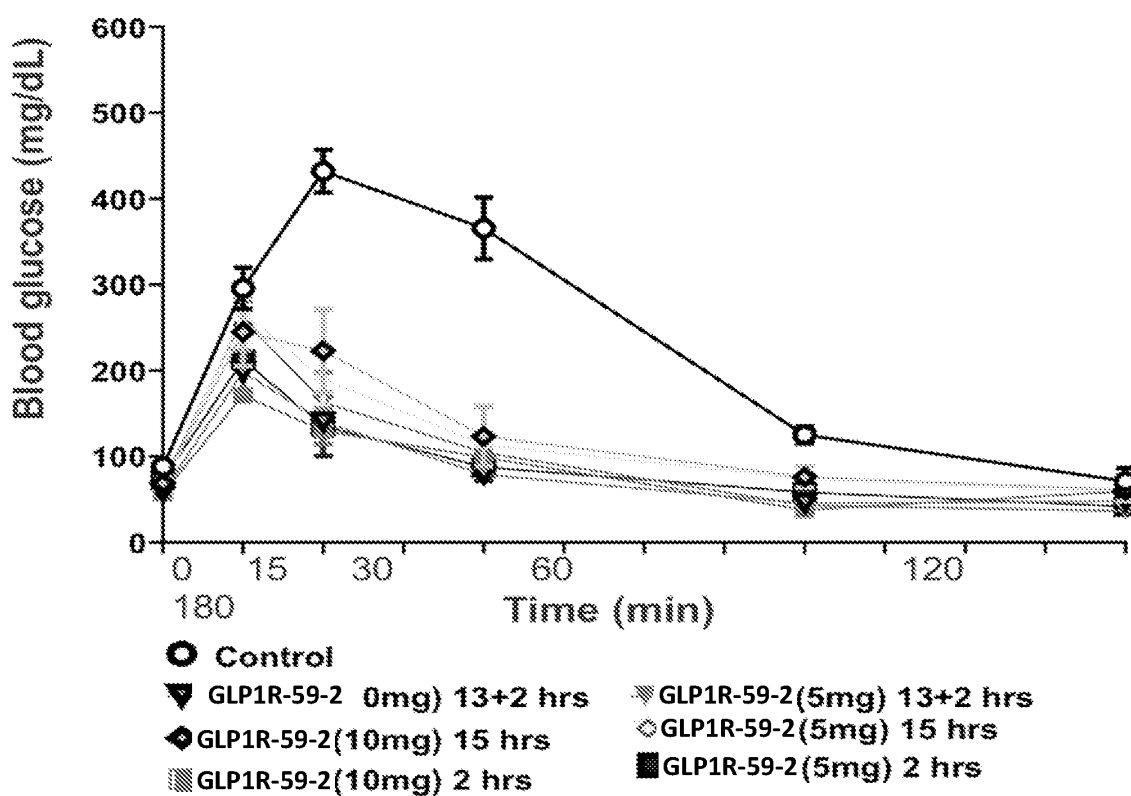


FIG. 20A

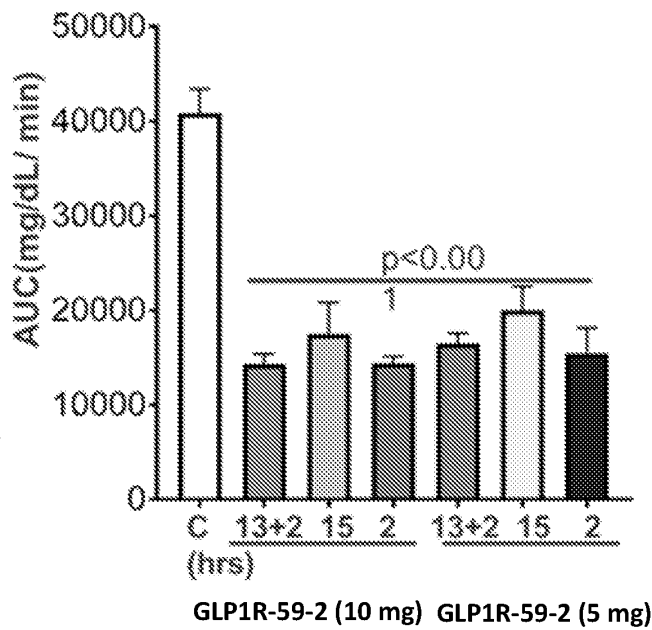


FIG. 20B

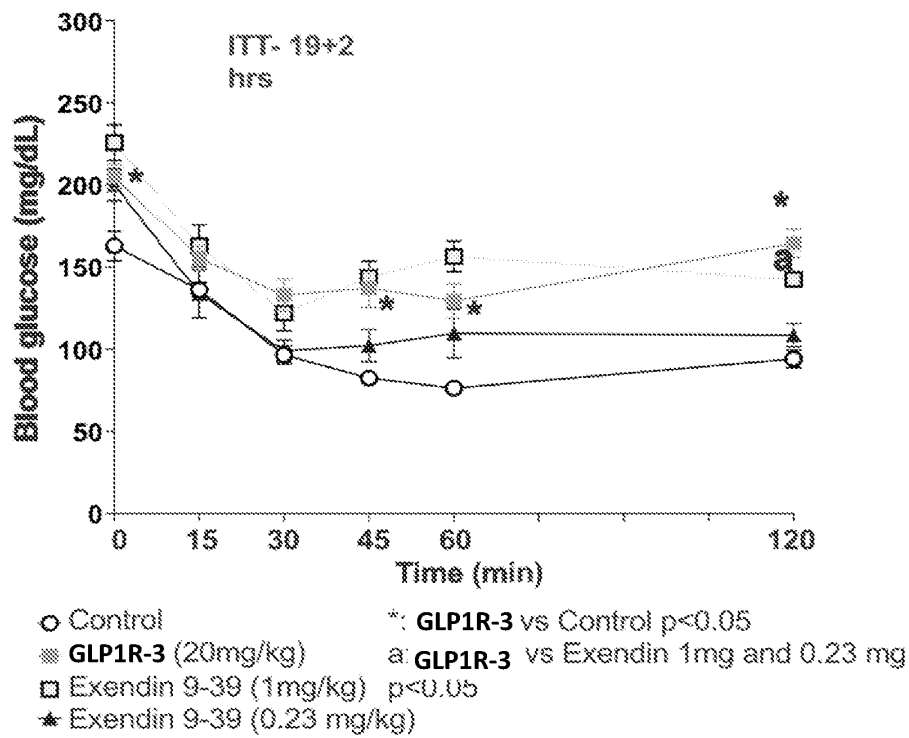
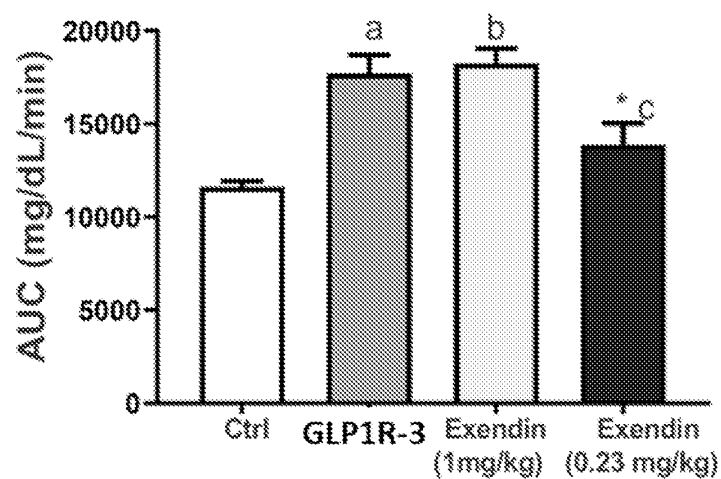


FIG. 21A

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a: Ctrl vs **GLP1R-3** $p < 0.0001$

b: Ctrl vs Exendin 1 mg/kg $p < 0.0001$

*:**GLP1R-3** vs Exendin 0.23 mg/kg $p = 0.03$

c: Exendin 1mg/kg vs Exendin 0.23 mg/kg $p = 0.03$

FIG. 21B

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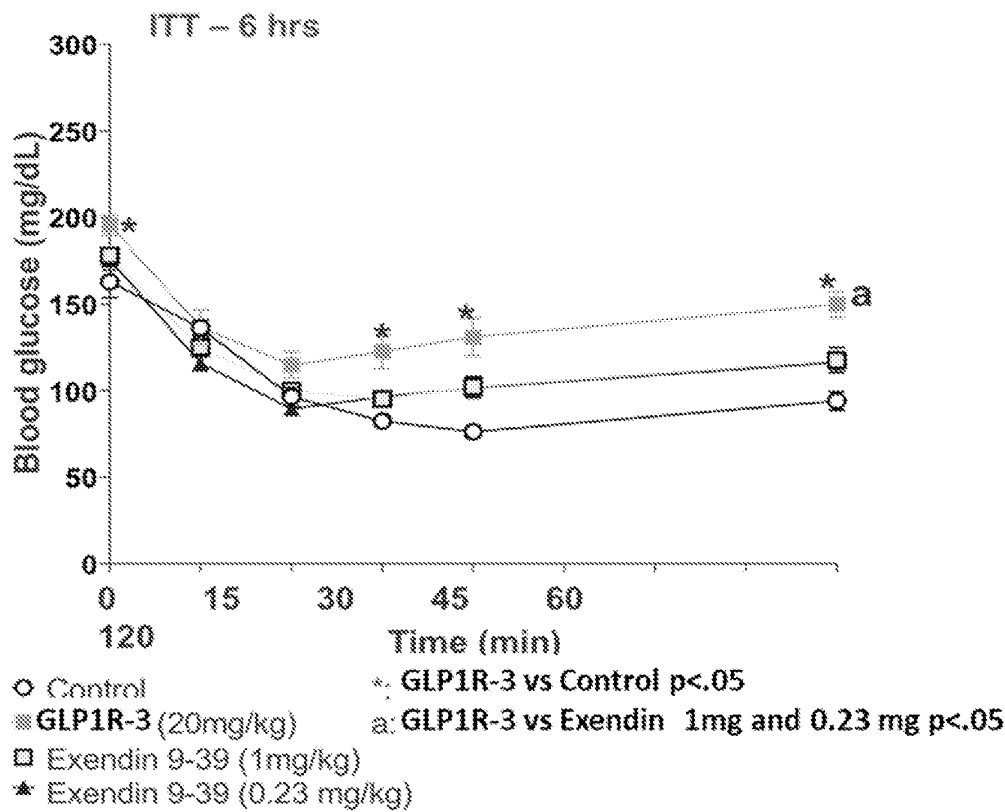


FIG. 22A

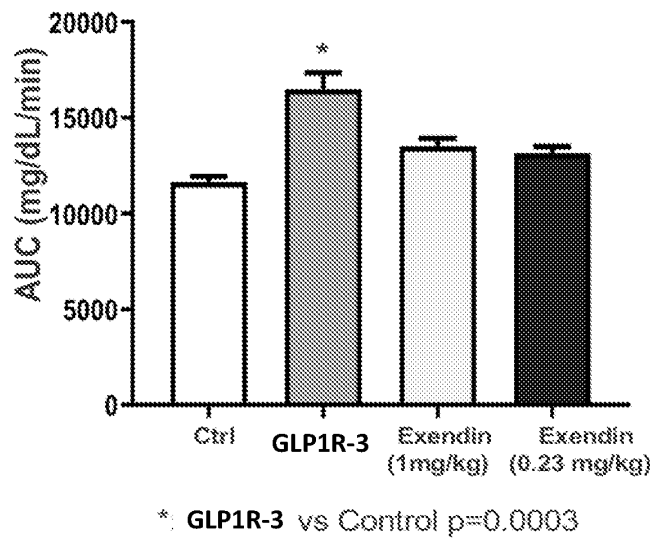


FIG. 22B

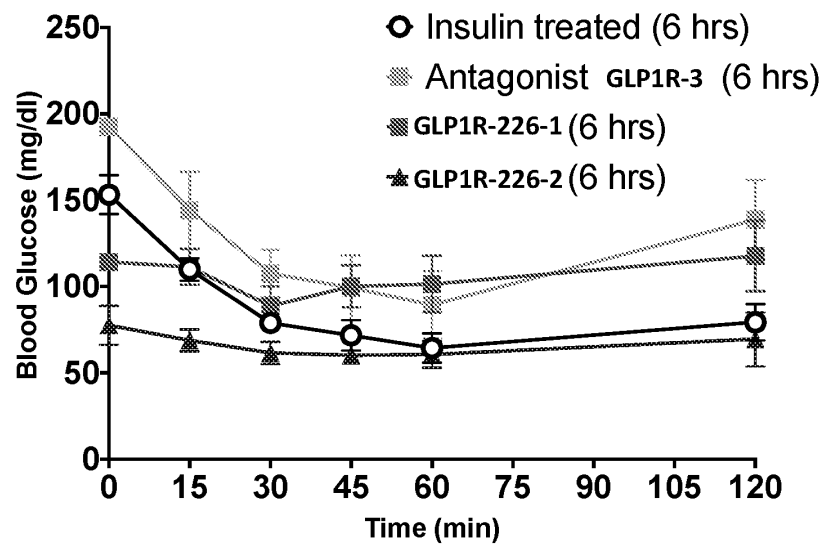


FIG. 23A

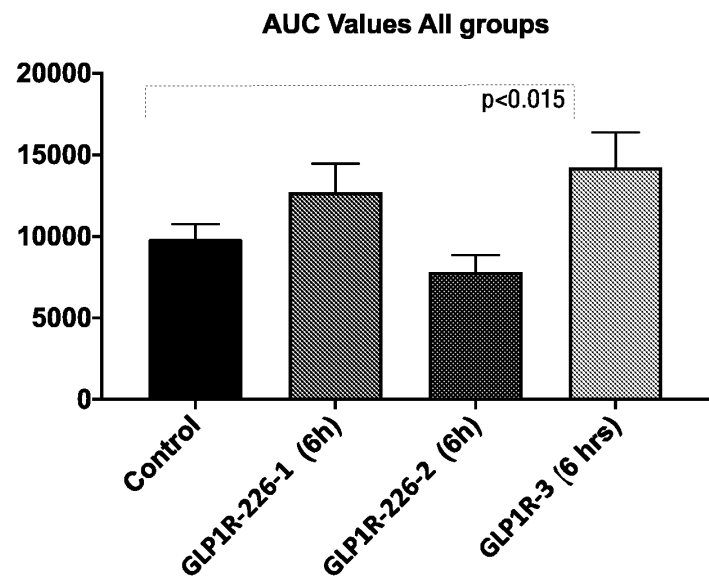


FIG. 23B

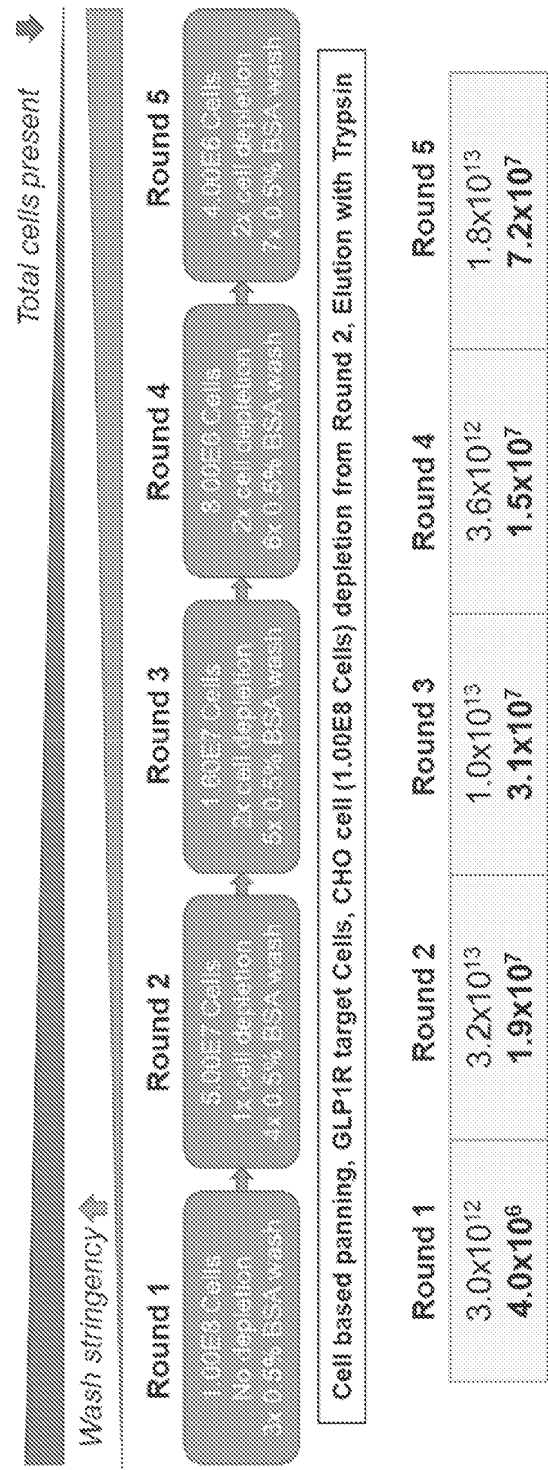


FIG. 24A

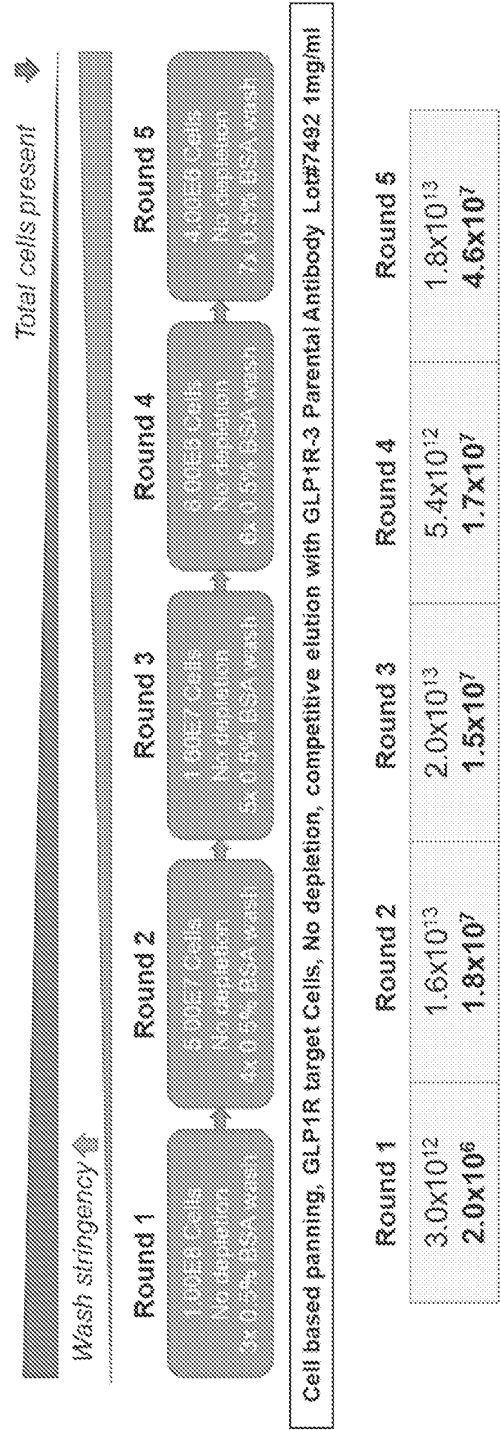


FIG. 24B

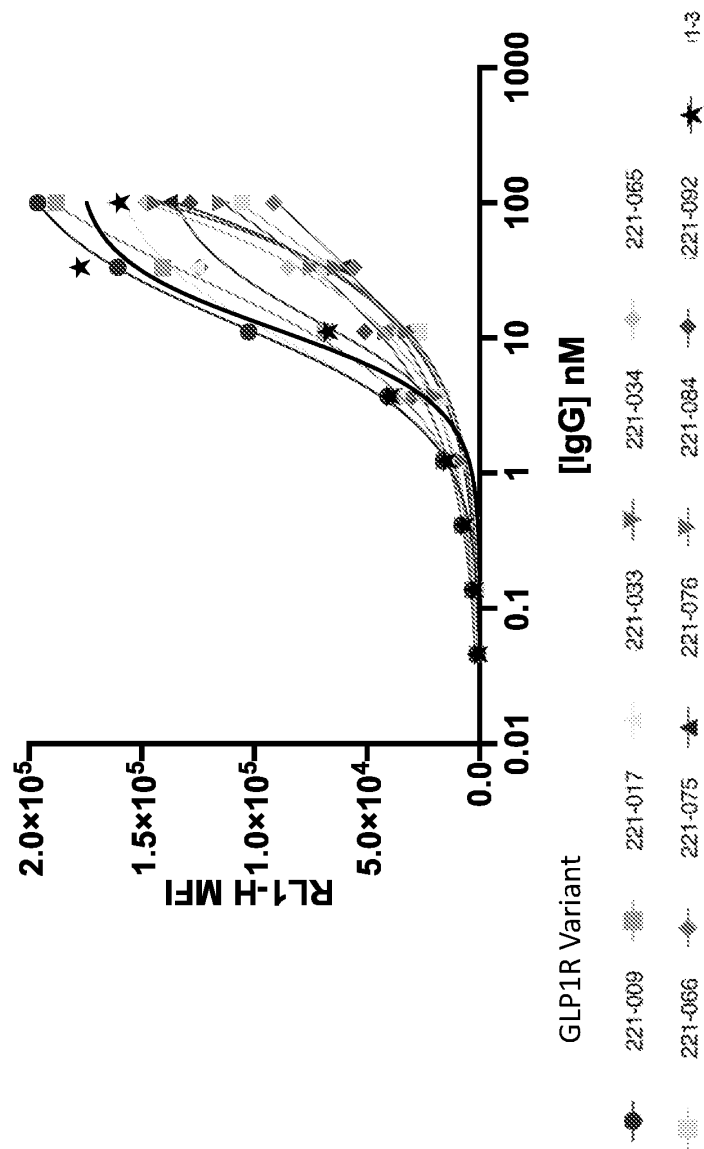


FIG. 25A

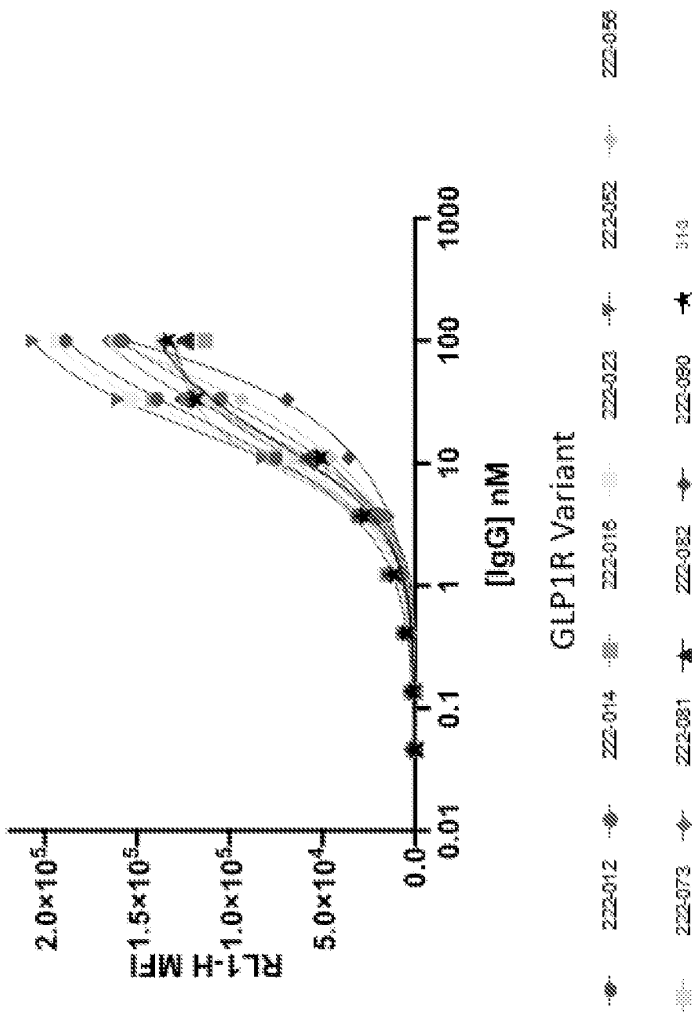


FIG. 25B

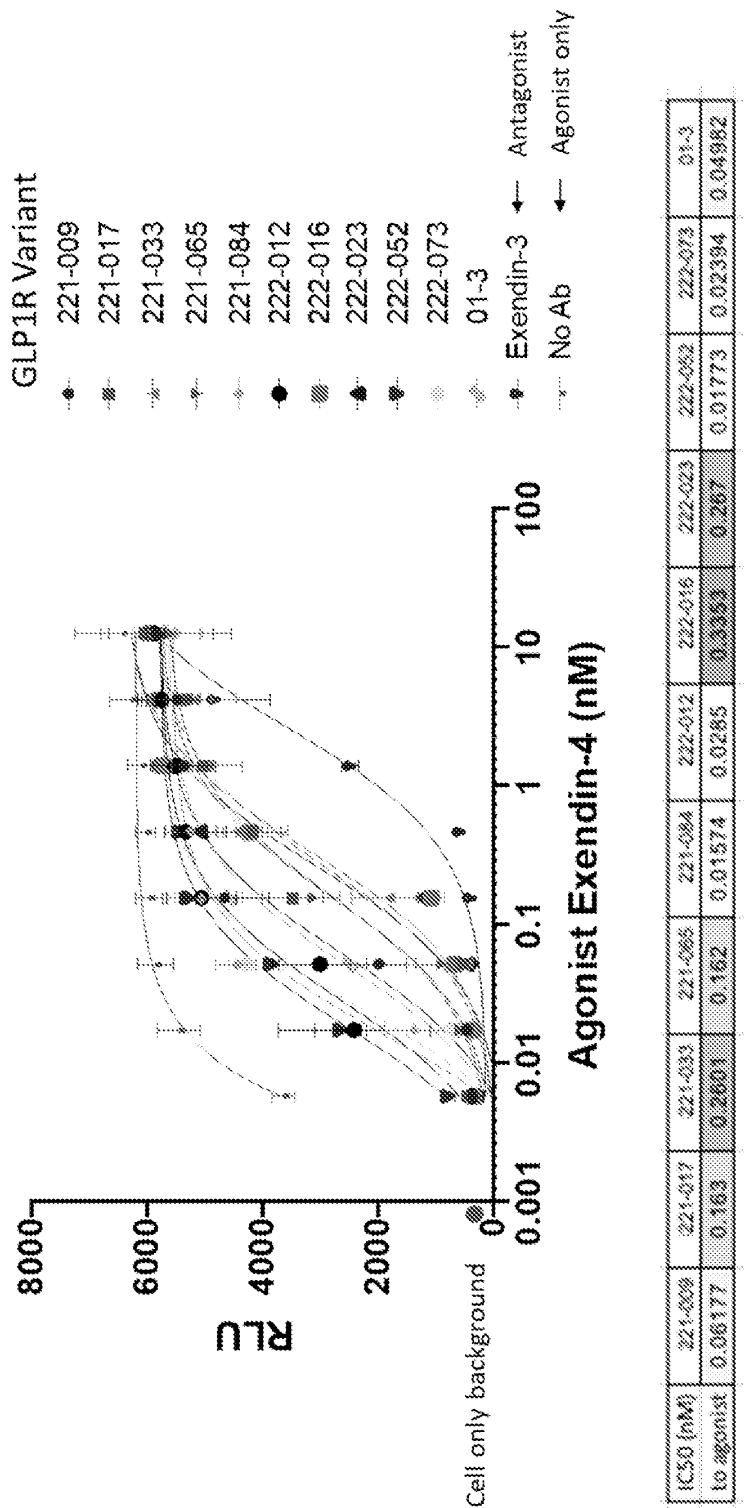


FIG. 26