

FIG. 2

TABLE I																	
Amino acid sequence and molecular weight of hGLP-2 and GLP-2 analogs																	
Amino acid substitutions relative to native hGLP-2 are shown in bold underlined letters																	
Peptide	Amino Acid Sequence																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SEQ ID NO: 1	hGLP-2	3766	H	A	D	G	S	F	S	D	E	M	N	T	I	L	D
SEQ ID NO: 2	Glepaglutide	4316	H	<u>G</u>	<u>E</u>	G	<u>I</u>	F	S	<u>S</u>	<u>E</u>	<u>L</u>	<u>A</u>	T	I	L	D
SEQ ID NO: 3	Tedughitide	3752	H	<u>G</u>	D	G	S	F	S	D	E	M	N	T	I	L	D
f, D-phenylalanine.																	
SEQ ID NO: 1	hGLP-2	3766	A	A	R	D	F	I	N	W	L	I	Q	T	K	I	T
SEQ ID NO: 2	Glepaglutide	4316	A	A	R	D	F	I	<u>A</u>	W	L	I	<u>A</u>	T	K	I	T
SEQ ID NO: 3	Tedughitide	3752	A	A	R	D	F	I	N	W	L	I	Q	T	K	I	T
OH																	
<u>KKKKKK</u> NH ₂																	
OH																	

FIG. 3A

GLP2.G2.Fc



FIG. 3B

GLP2.G2.SA



FIG. 3C

GLP2 is not identical across species

Human	HADGSFSD	EMNTILD	NLAARD	FINWLI	IQTKITD	33	SEQ ID NO: 1
Cyno	HADGSFSD	EMNTVLD	NLATRD	FINWLI	IQTKITD	33	SEQ ID NO: 5
Mouse	HADGSFSD	EMSTILD	NLATRD	FINWLI	IQTKITD	33	SEQ ID NO: 6
*****;*****							

FIG. 4A

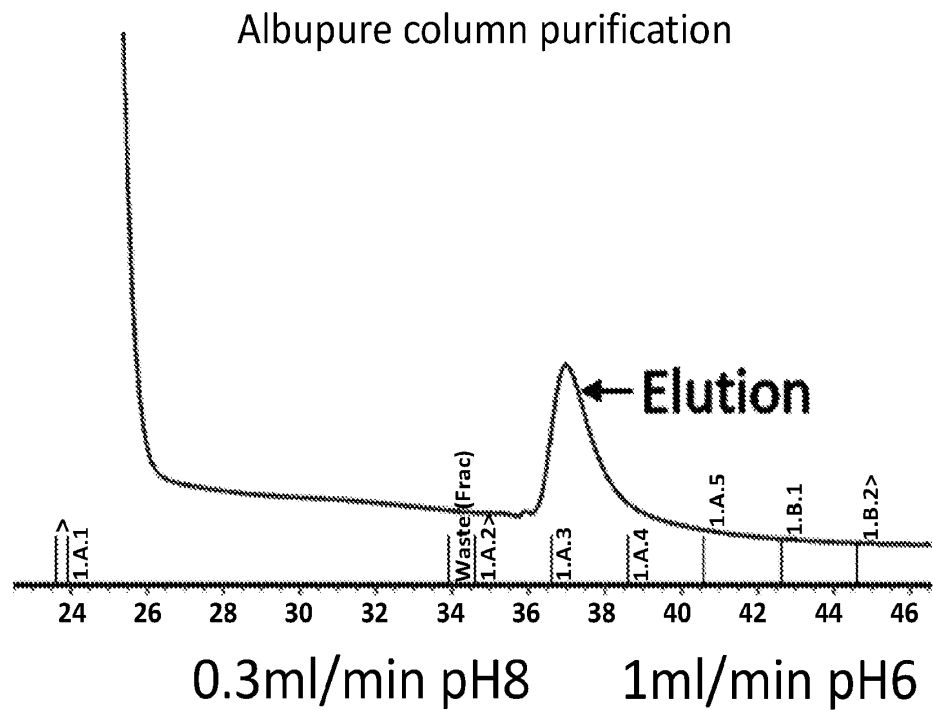


FIG. 4B

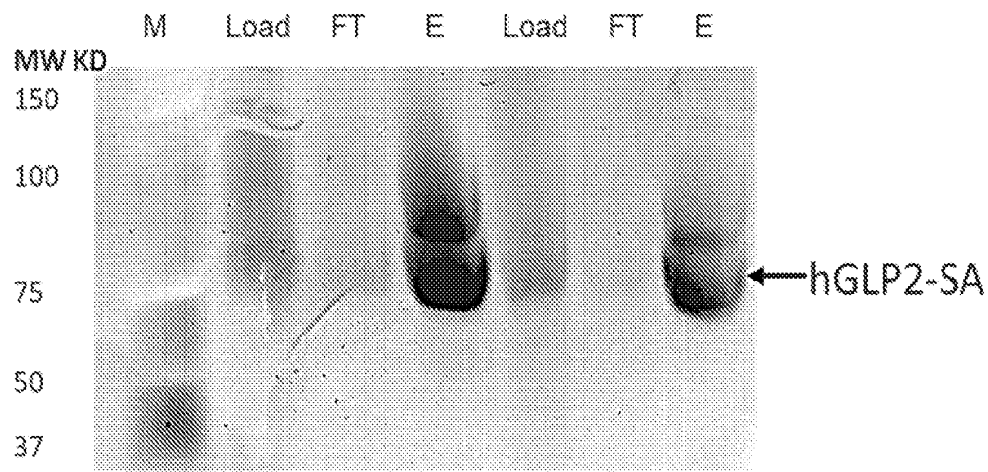


FIG. 5A AAVrh91.CB7.Cl.hGLP2.G2.SA.rBG

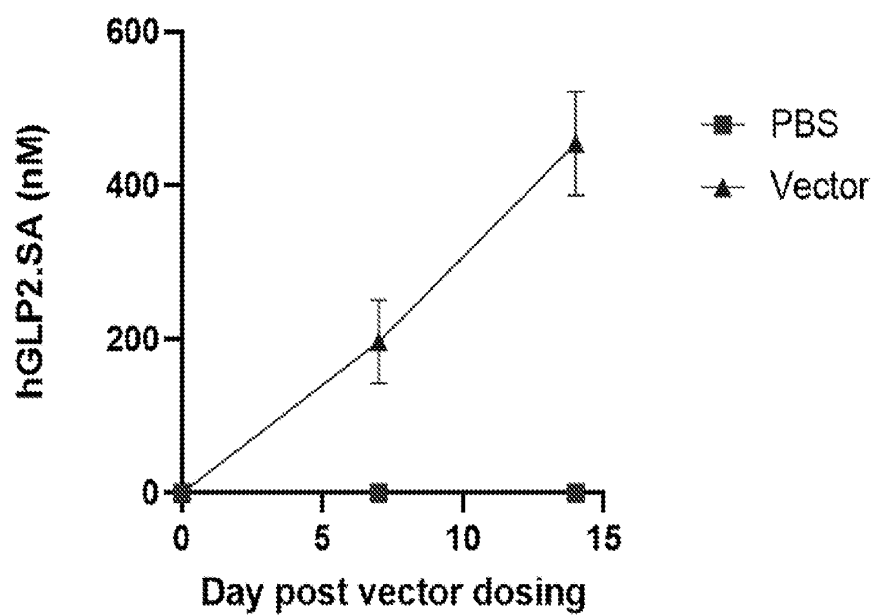


FIG. 5B D56 post necropsy

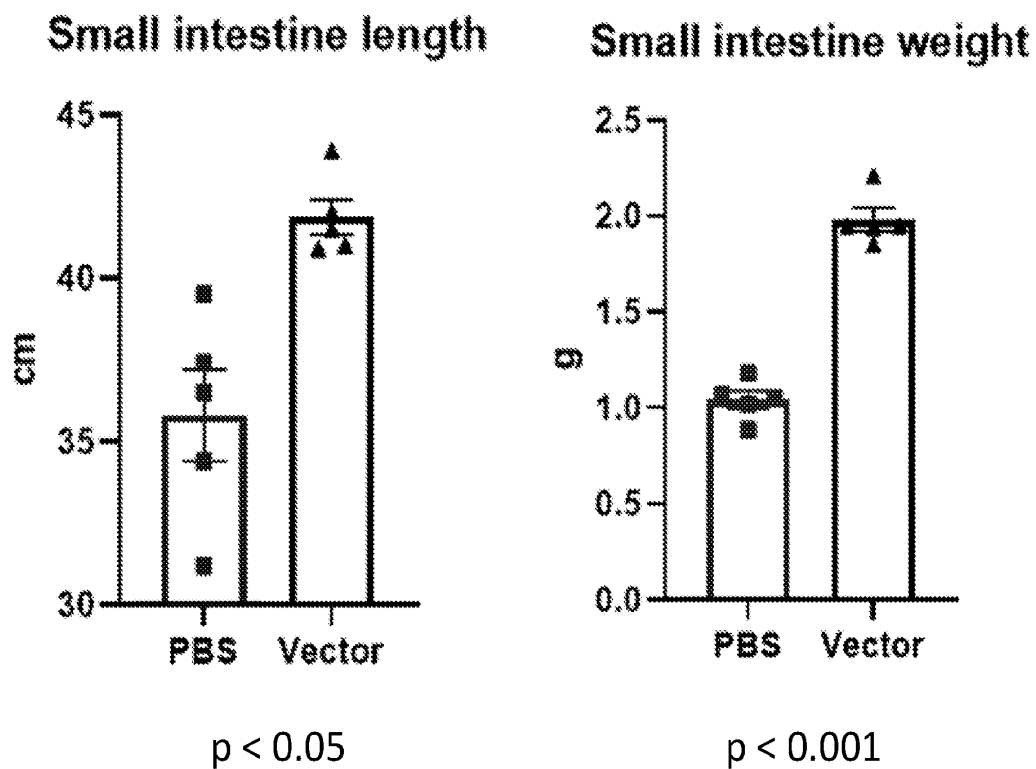
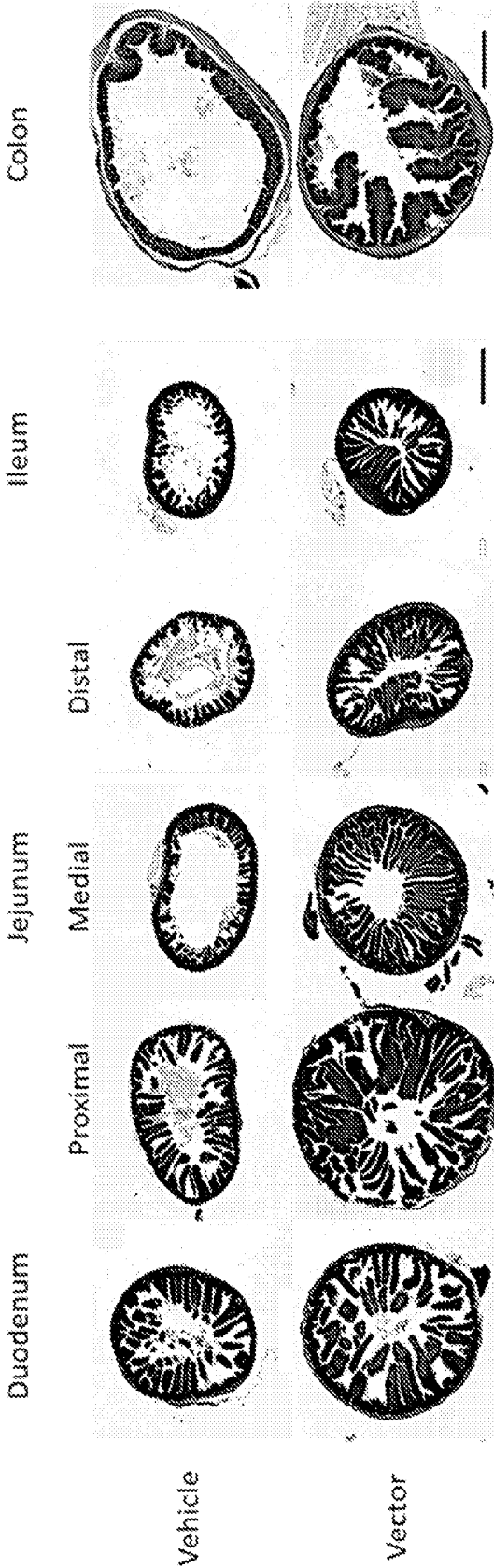
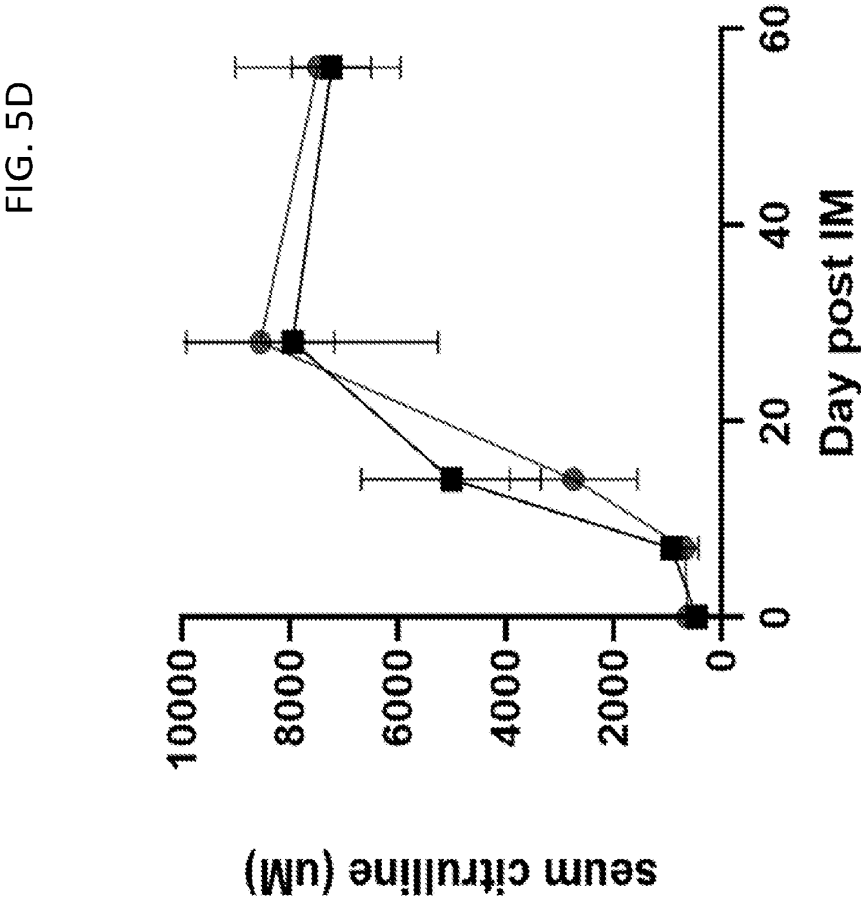


FIG. 5C

Intestine histology (H&E)





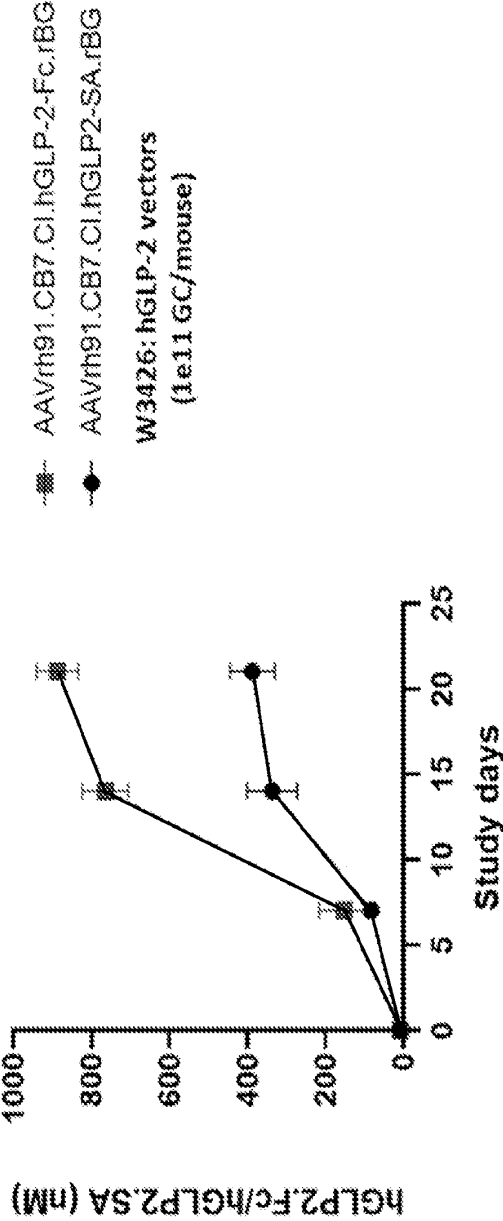


FIG. 6A

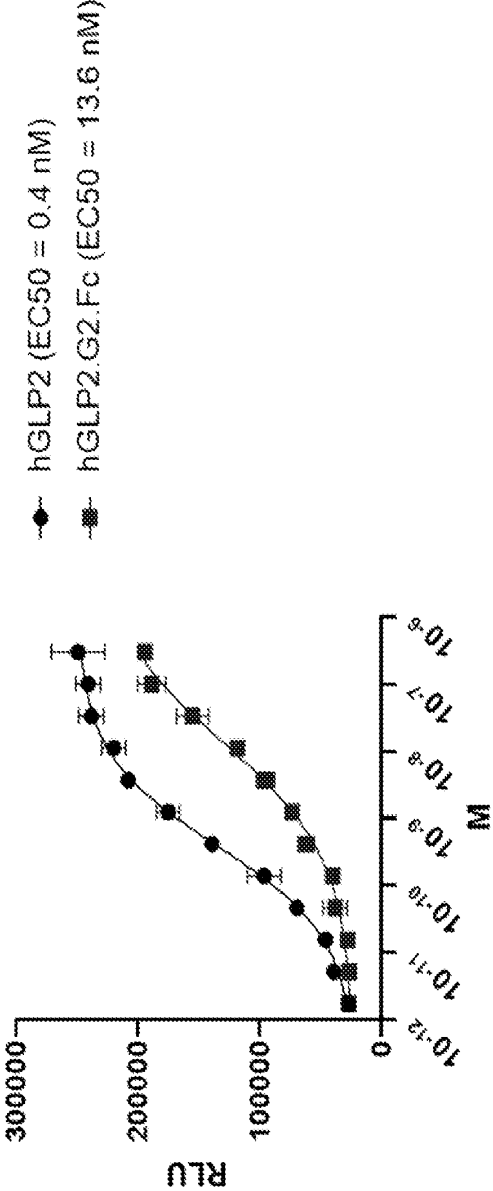


FIG. 6B

FIG. 7

NHP study design

NHP	1	2
Vector	AAVrh91.CB7.Cl.hGLP-2-Fc.rBG	
ROA	IM	
Dose (GC/kg)	1.00E+12	1.00E+10
Bleeds	Days 0, 7, 14, 21, 28, 60	
Readout	TG expression & potency, ADA, biomarker (citrulline*)	
Necropsy	Day 60 (intestine histology**)	

*: Plasma/serum citrulline correlates with enterocyte mass

**: H&E staining for villi length (NHPs from GLP-1-Fc studies will be used as control)

FIG. 8C

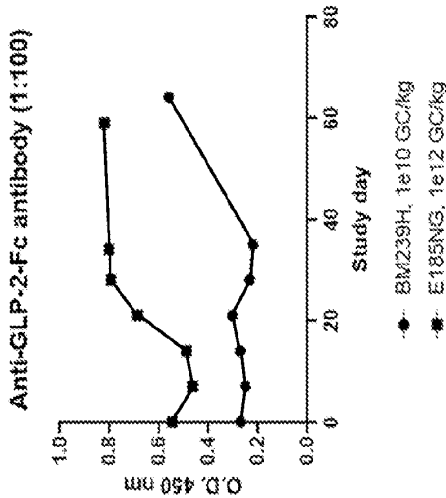


FIG. 8B

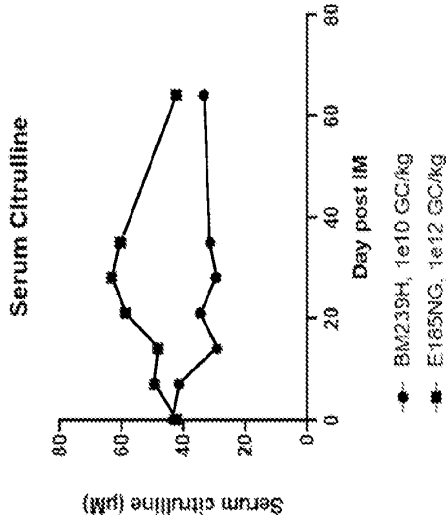


FIG. 8A

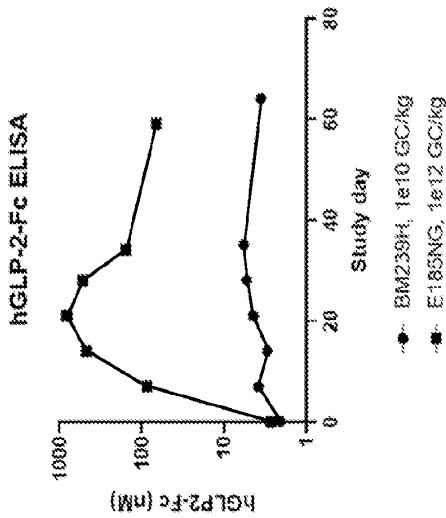


FIG. 9A

Group	Dose (GC/animal)	Necropsy days			
		1 mo	3 mo	6 mo	12 mo
1	0	5	5	10	10
2	1e10	5	5	10	10
3	3e10	5	5	10	10
4	1e11	5	5	10	10

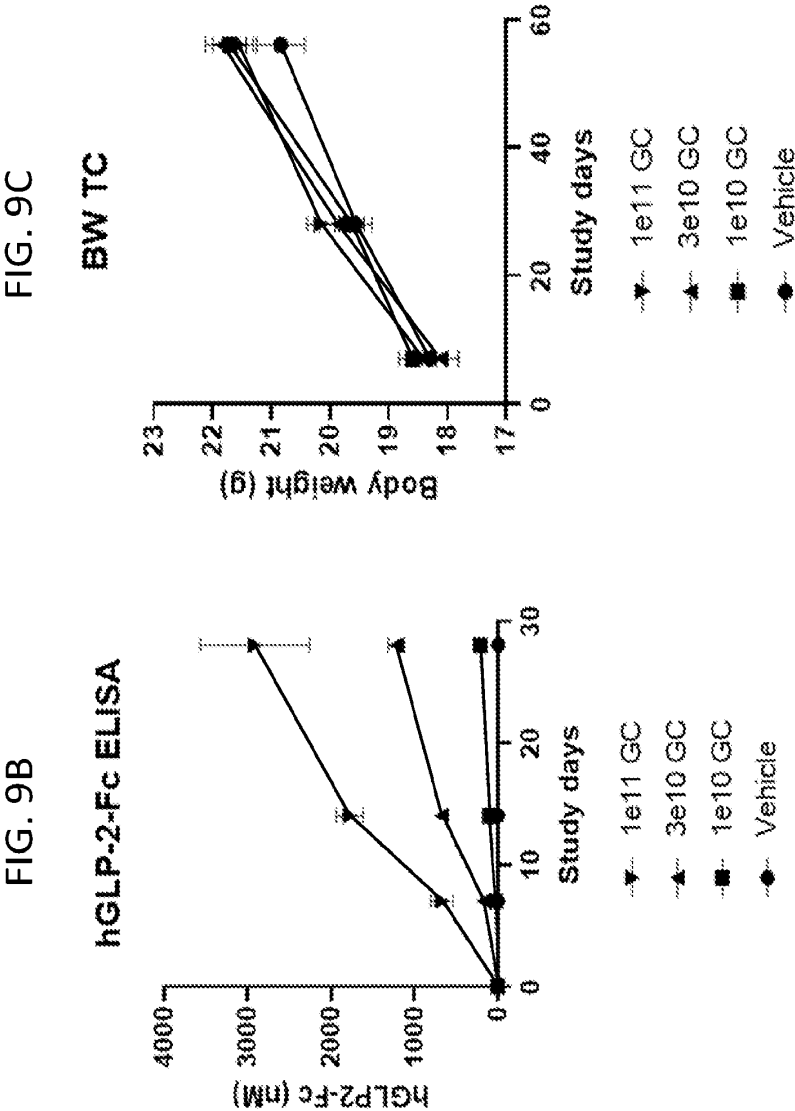


FIG. 9F

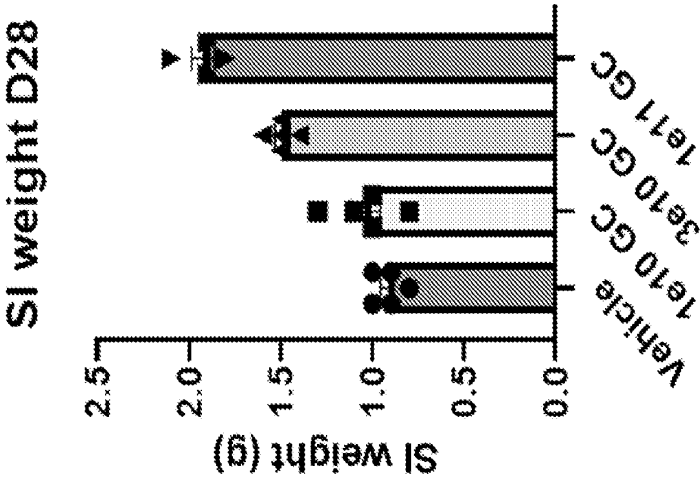


FIG. 9E

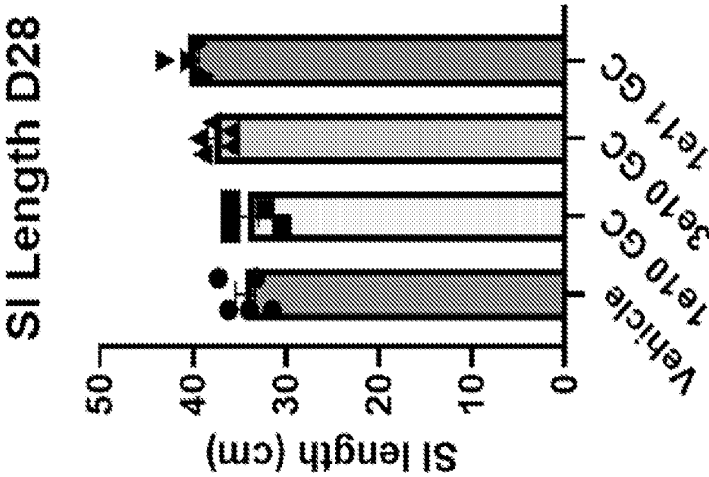


FIG. 9D

