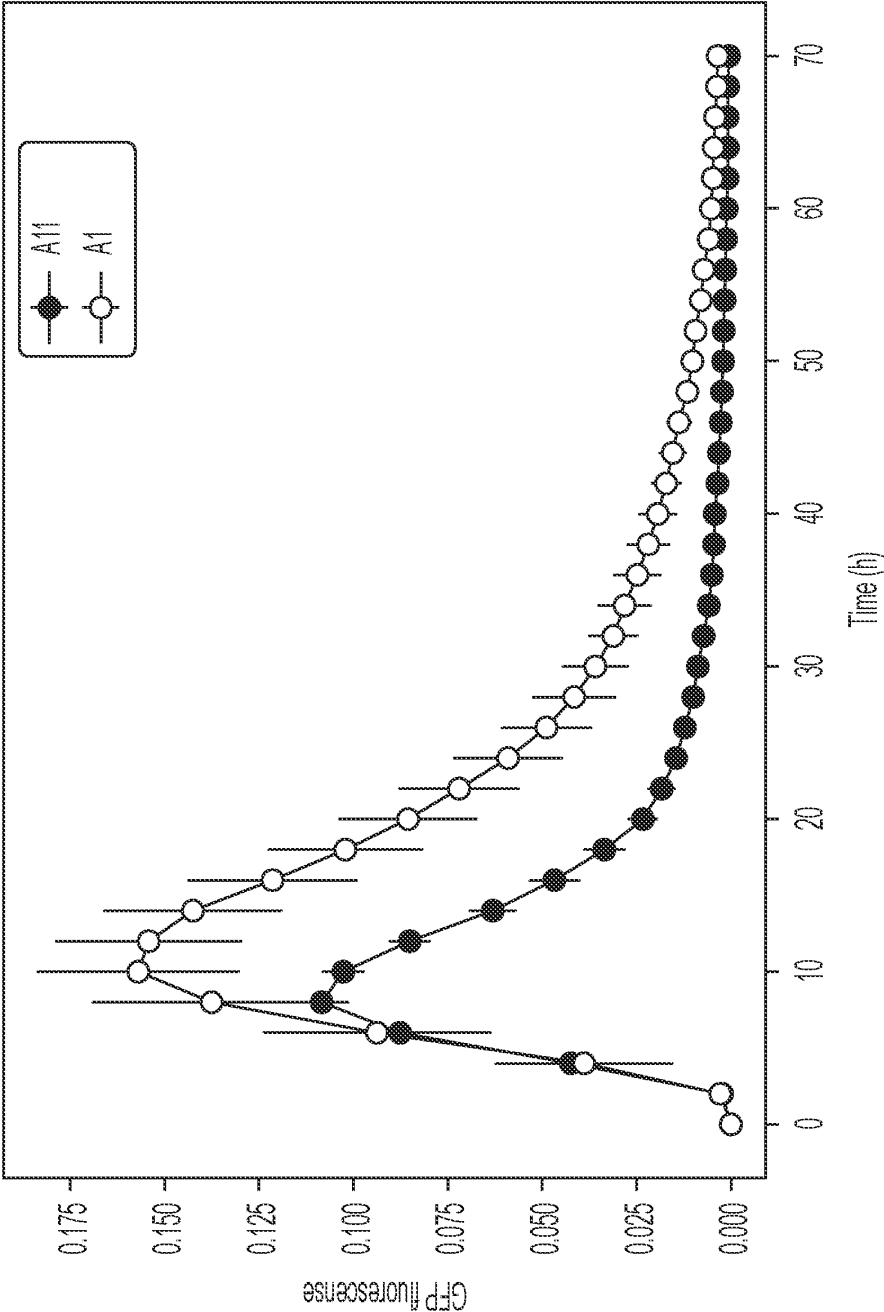




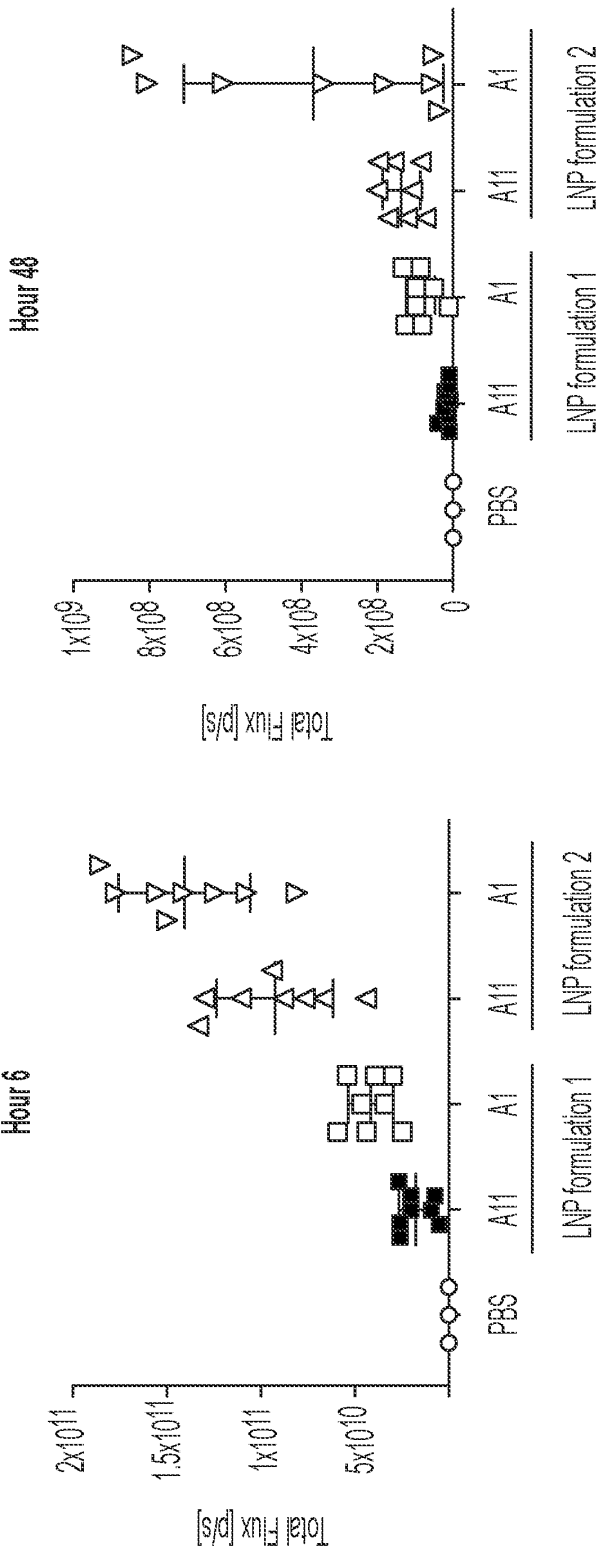


FIG. 2A

FIG. 2B

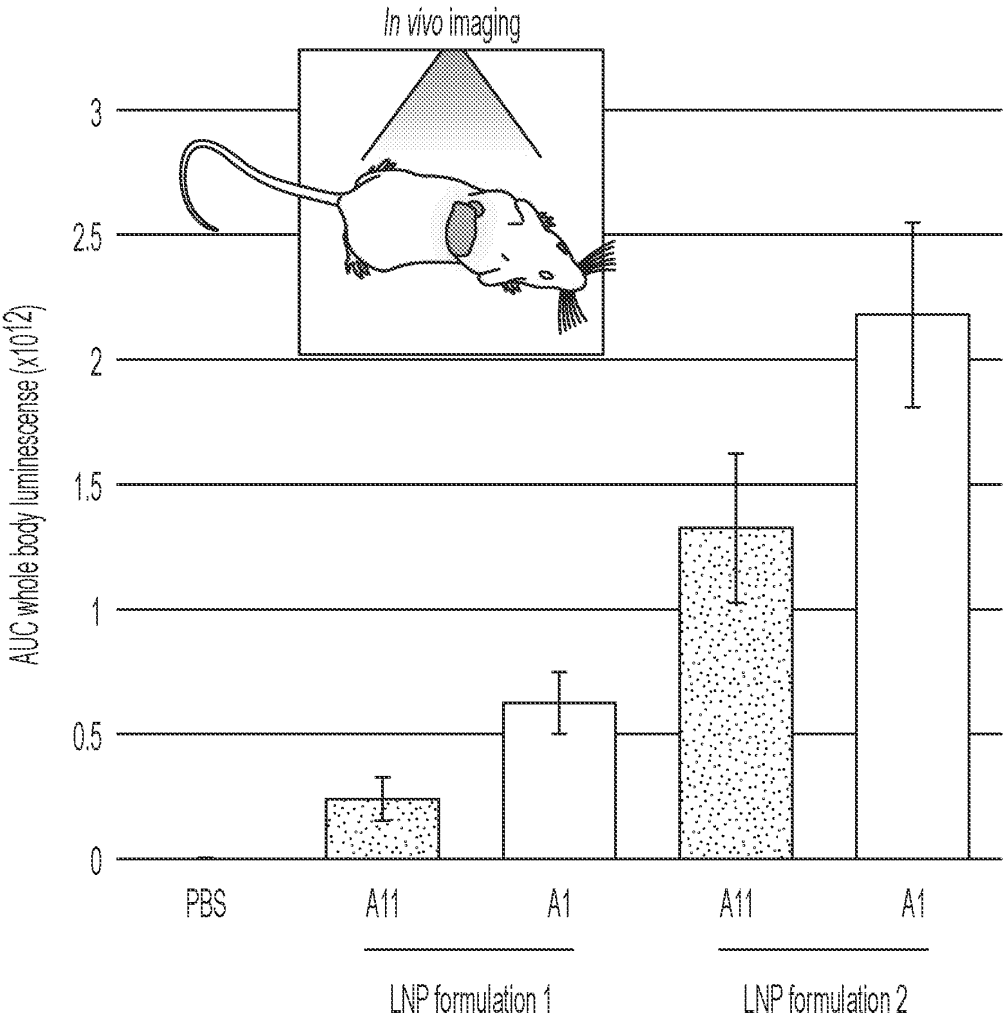


FIG. 2C

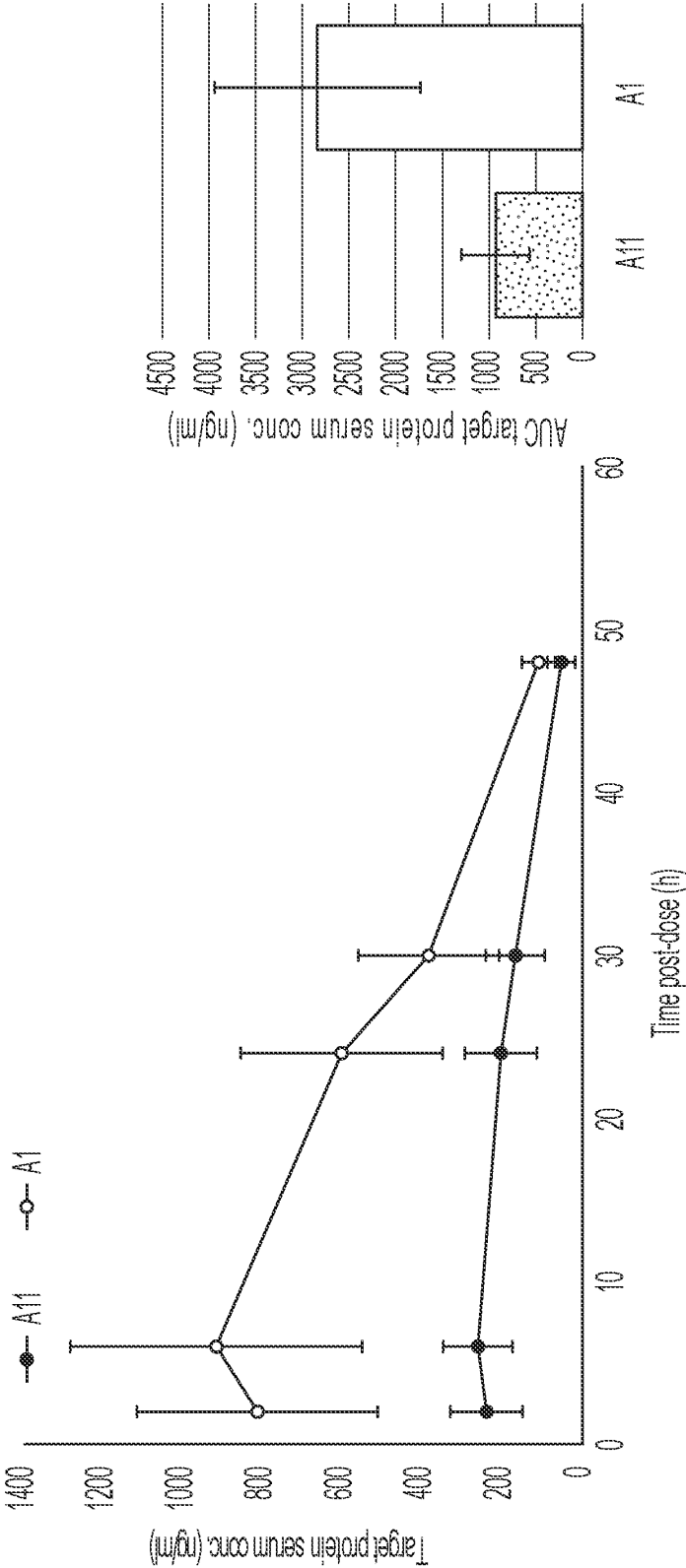


FIG. 3A

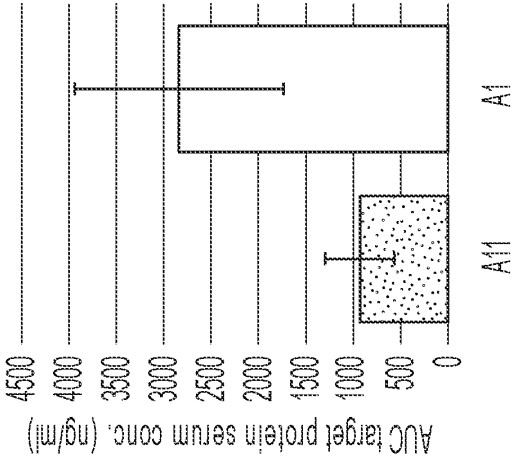


FIG. 3B

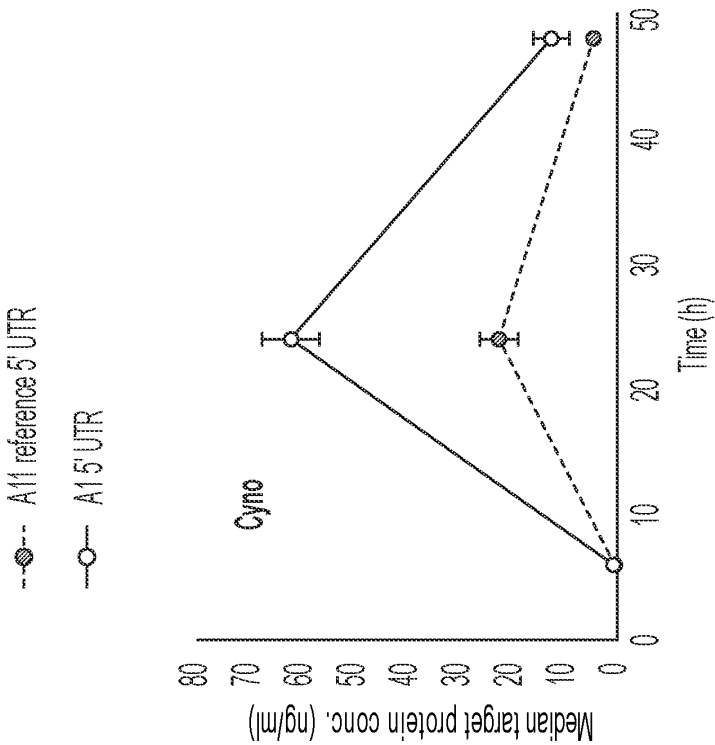


FIG. 4B

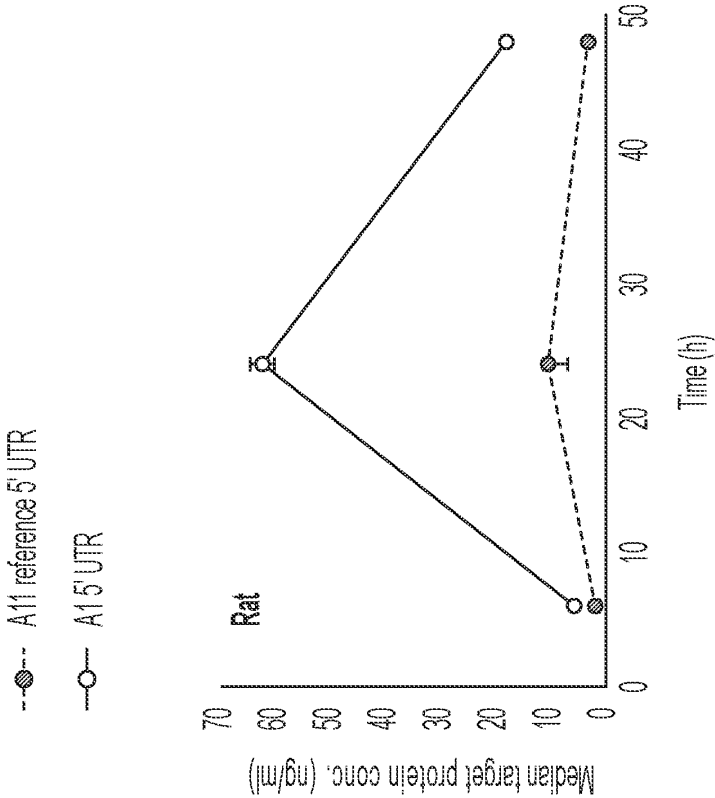


FIG. 4A

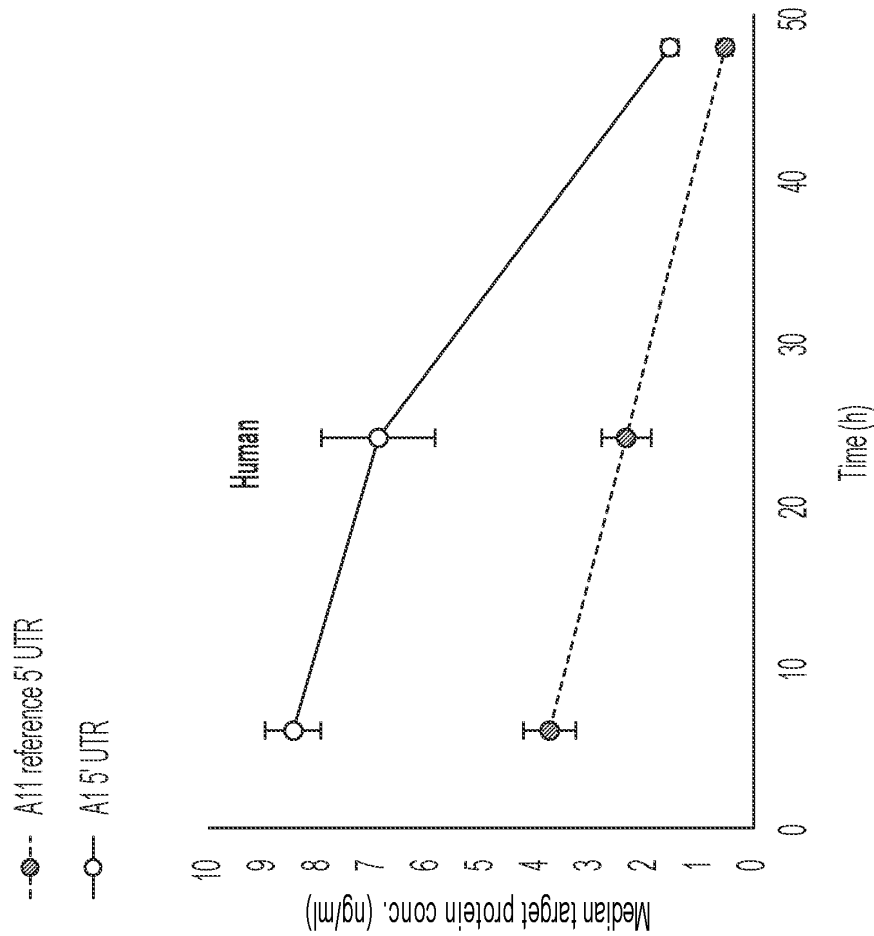


FIG. 4C

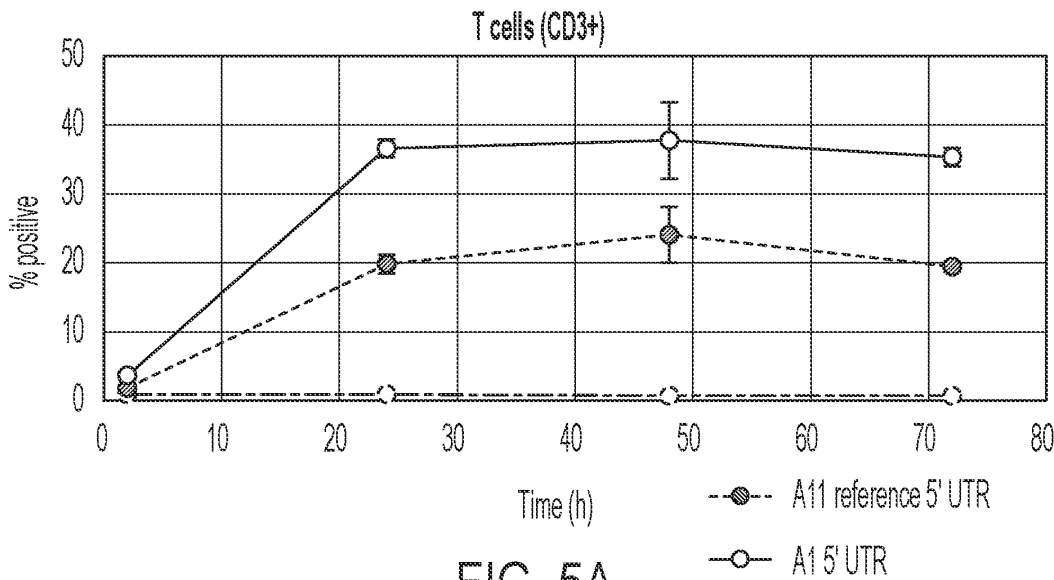


FIG. 5A

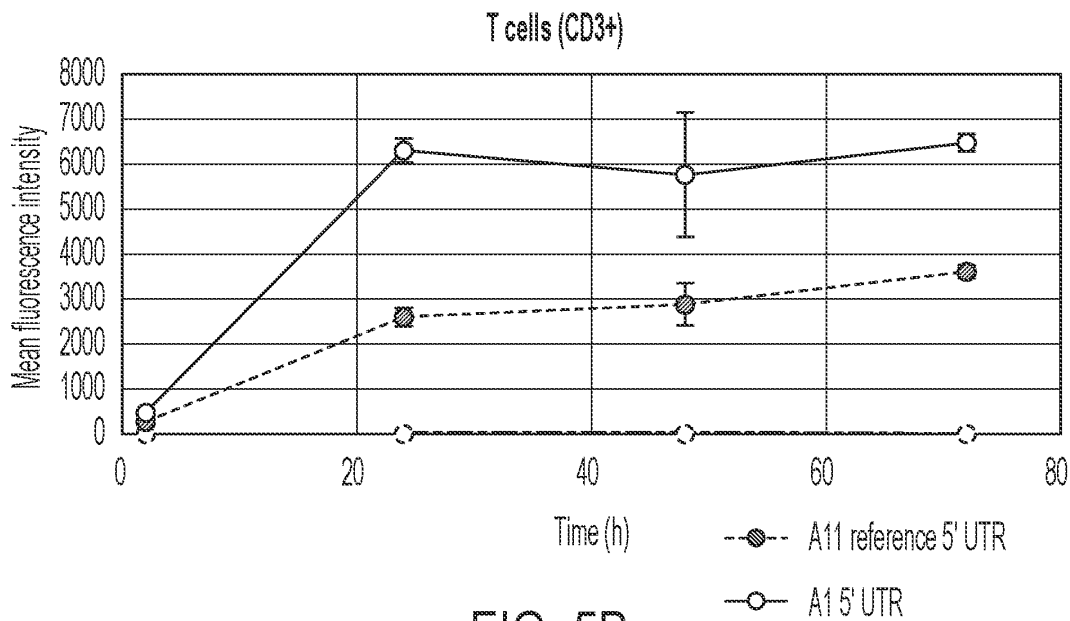
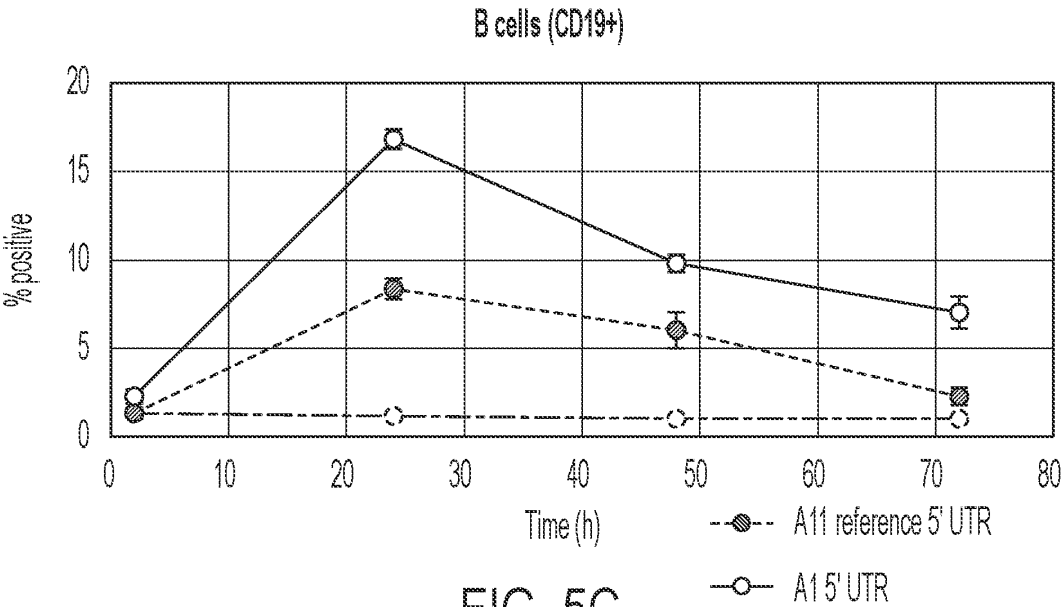
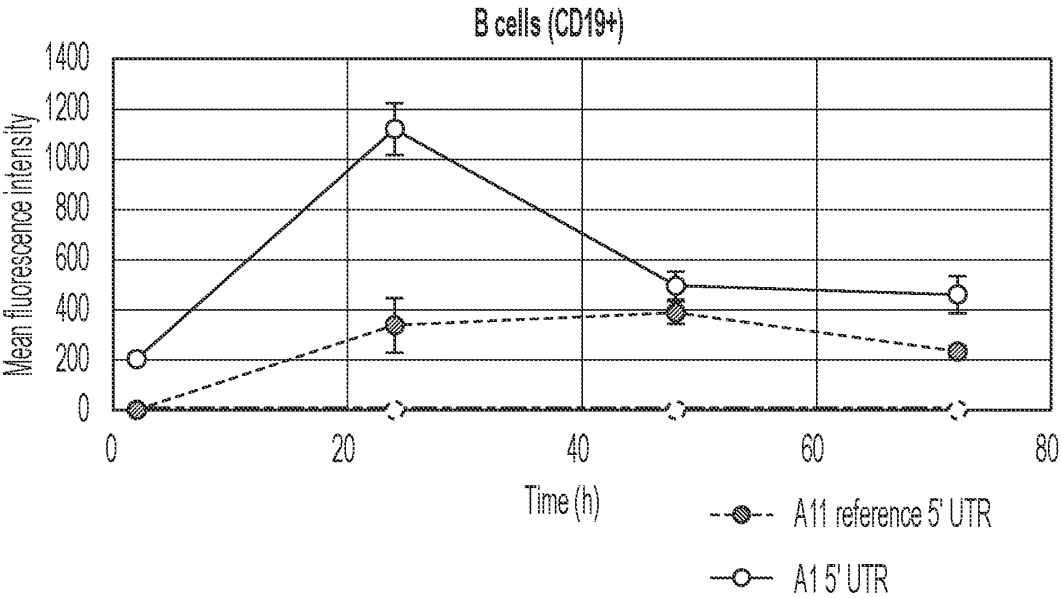


FIG. 5B



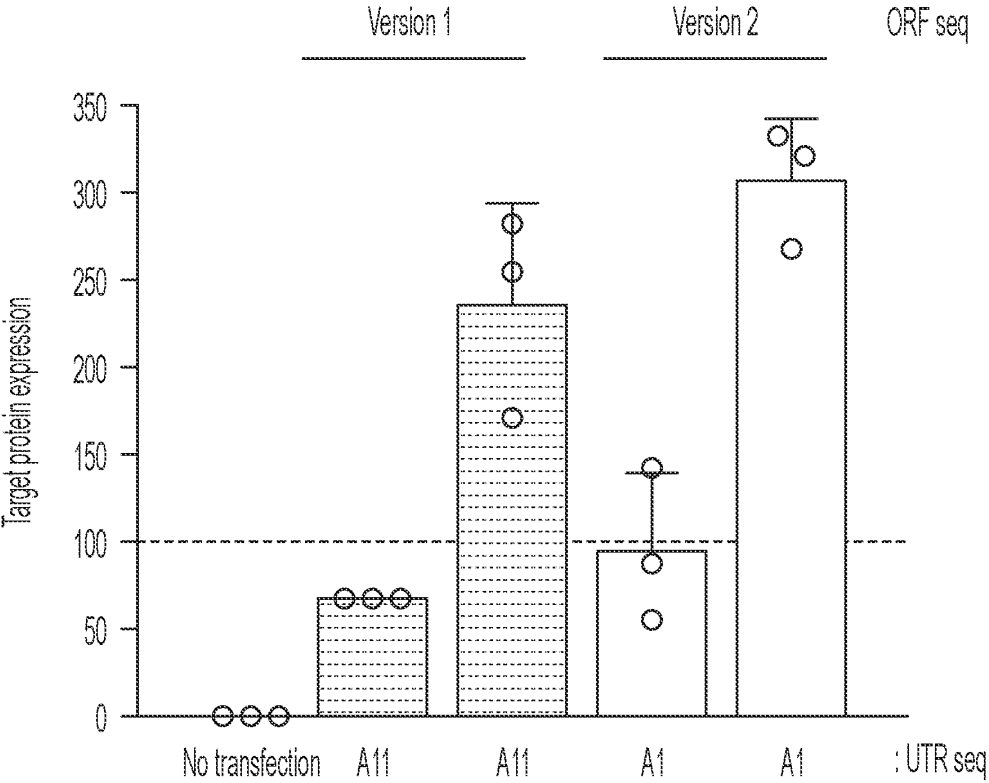


FIG. 6

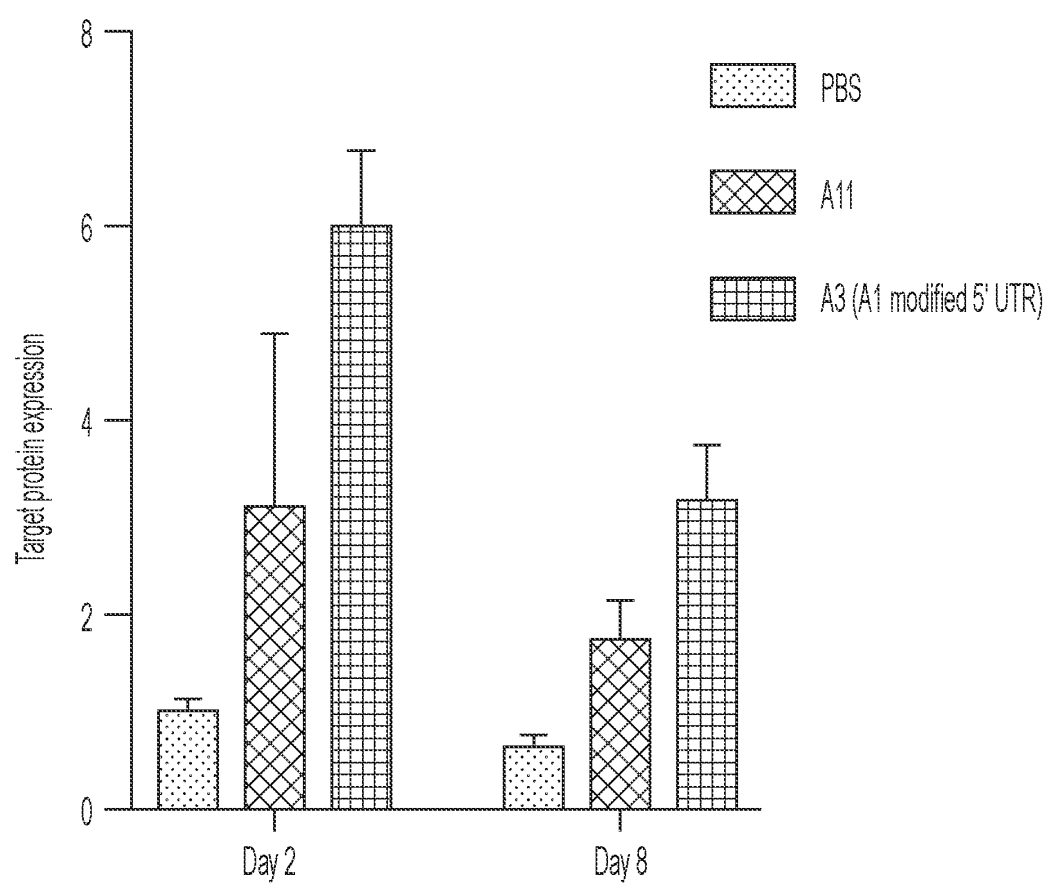


FIG. 7

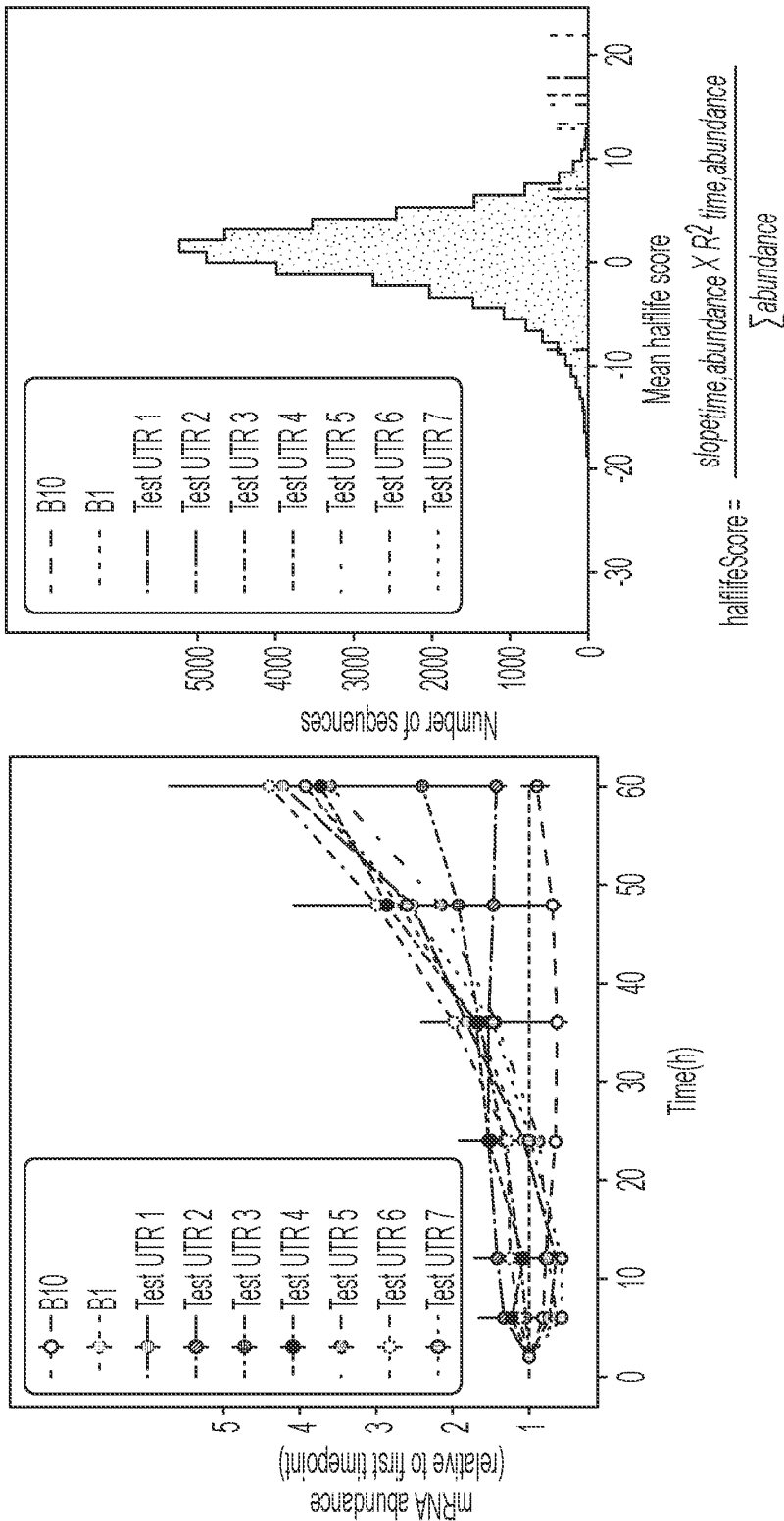


FIG. 8

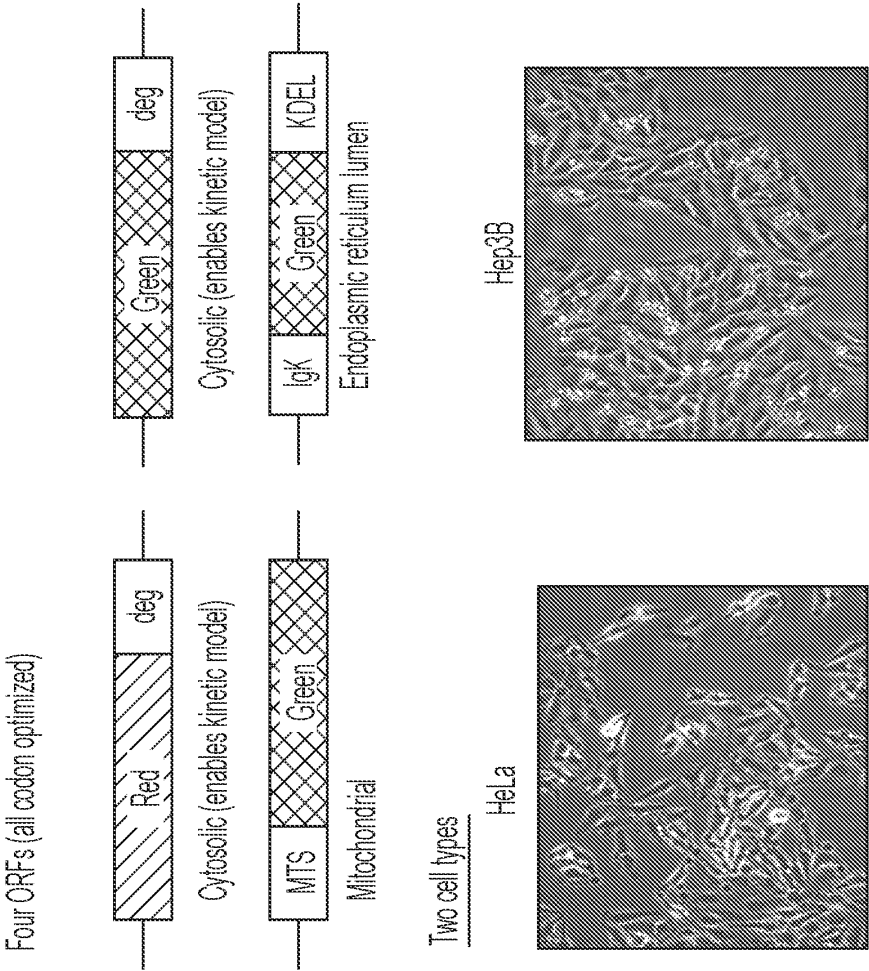


FIG. 9

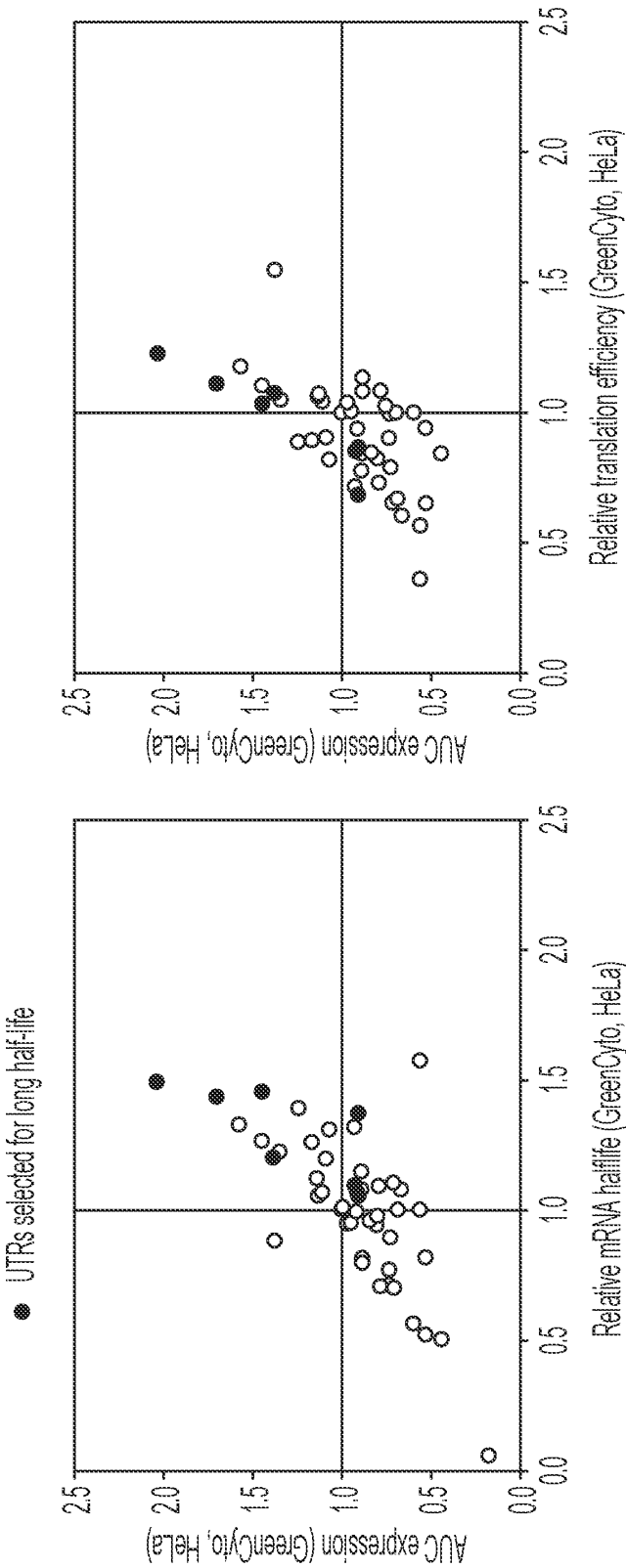


FIG. 10B

FIG. 10A

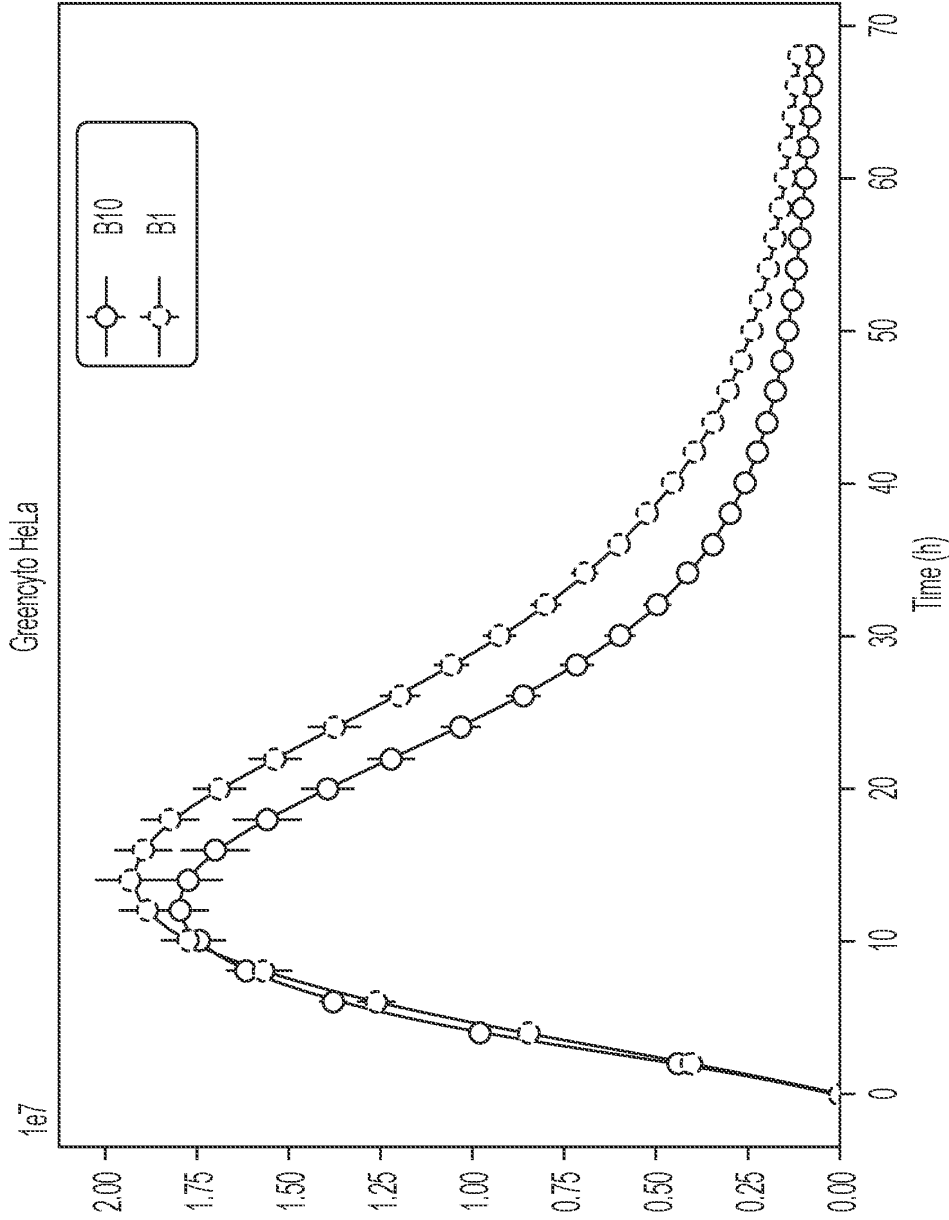


FIG. 10C

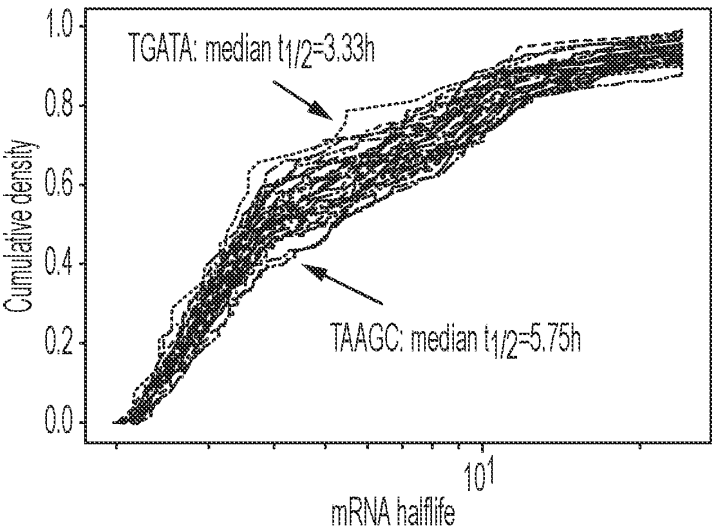


FIG. 11A

	stop	+2	Median	pval	n	
TAAGC	TAA	GC	5.75	0.003	161	1.7x difference
TAAGT	TAA	GT	5.32	0.018	148	
TAAAG	TAA	AG	4.92	0.015	266	
TAGAT	TAG	AT	4.8	0.128	105	
TAATC	TAA	TC	4.795	0.104	140	
TAGTT	TAG	TT	4.71	0.155	101	
TAGAG	TAG	AG	4.62	0.071	201	
TAGGC	TAG	GC	4.52	0.127	180	
TAAAC	TAA	AC	4.47	0.137	193	
TGAGG	TGA	GG	4.41	0.025	690	
TGAGC	TGA	GC	4.405	0.044	614	
TAACG	TAA	CG	3.64	0.776	43	
TAATG	TAA	TG	3.64	0.944	186	
TAACT	TAA	CT	3.64	0.964	199	
TGACT	TGA	CT	3.605	0.976	220	
TAGTA	TAG	TA	3.57	0.91	71	
TGAAA	TGA	AA	3.51	1	399	
TGATT	TGA	TT	3.51	0.997	203	
TAGTG	TAG	TG	3.51	0.985	149	
TAATA	TAA	TA	3.45	0.992	133	
TGATA	TGA	TA	3.33	1	125	

FIG. 11B

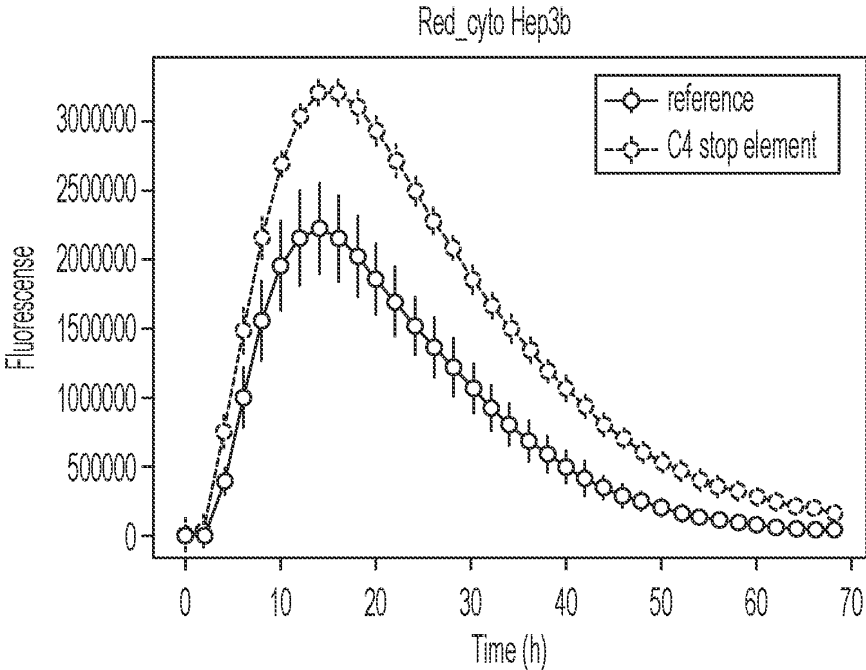


FIG. 11C

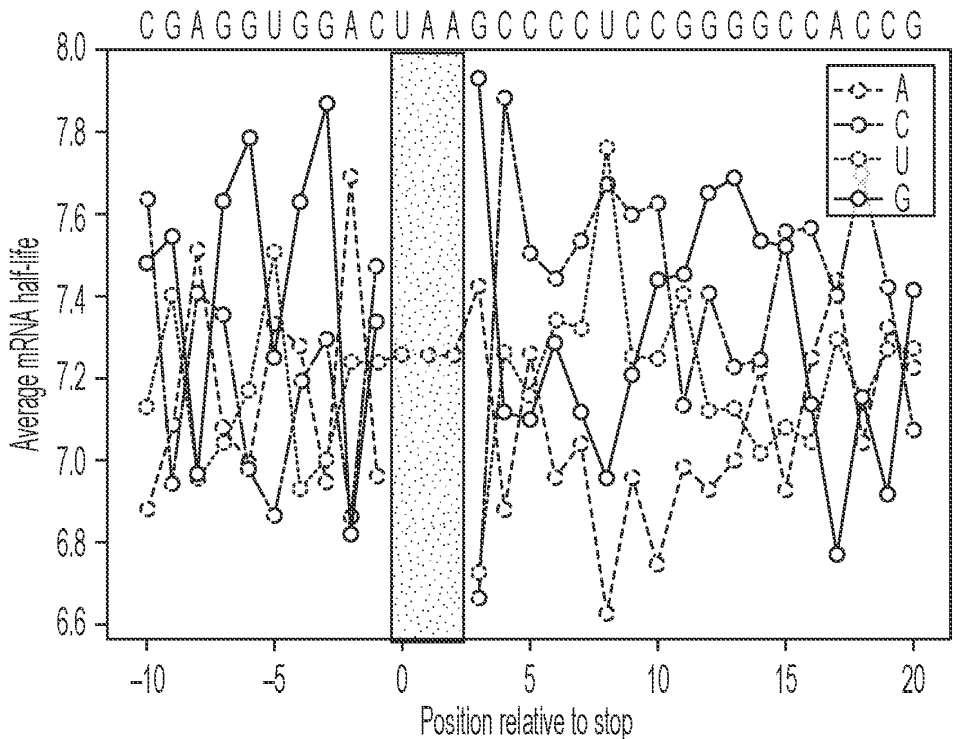


FIG. 11D

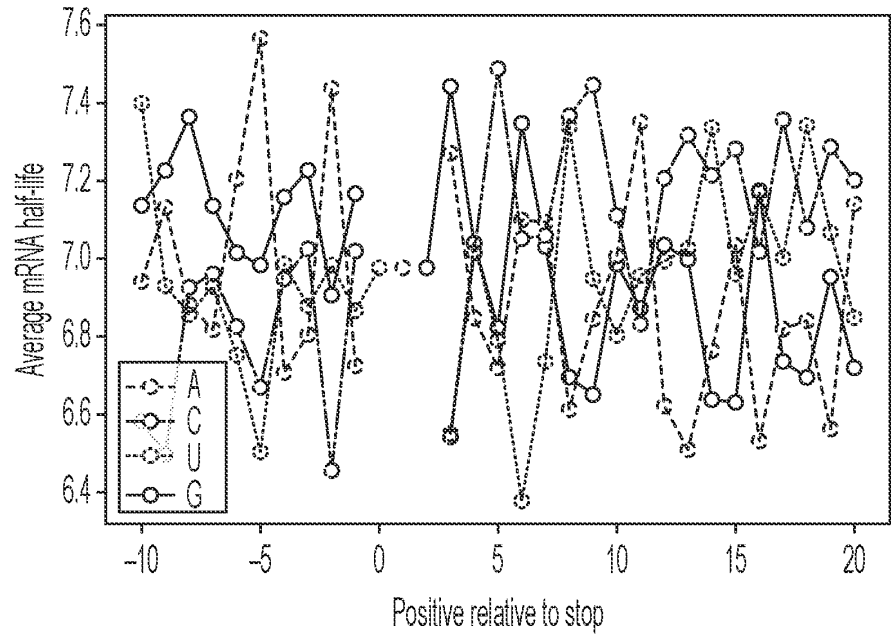


FIG. 11E

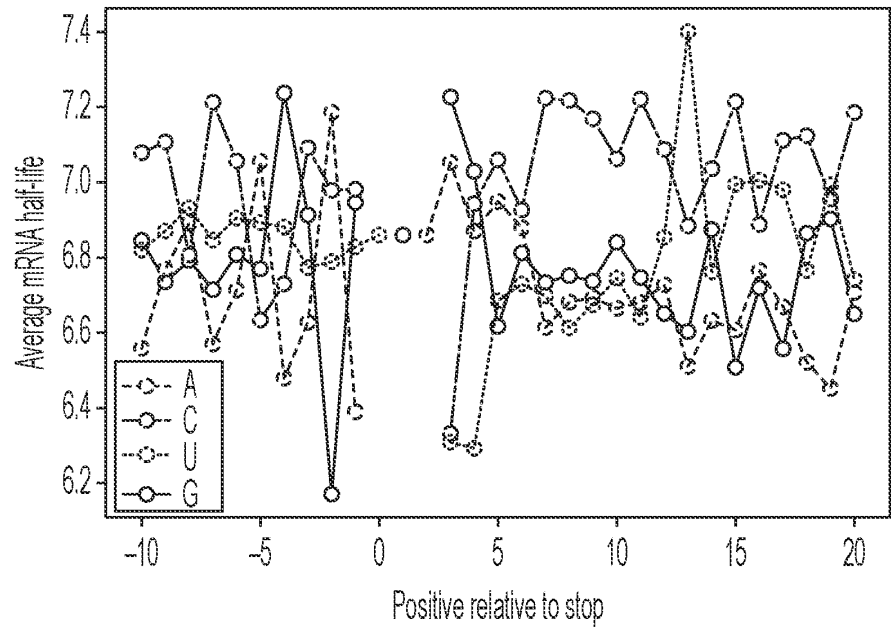


FIG. 11F

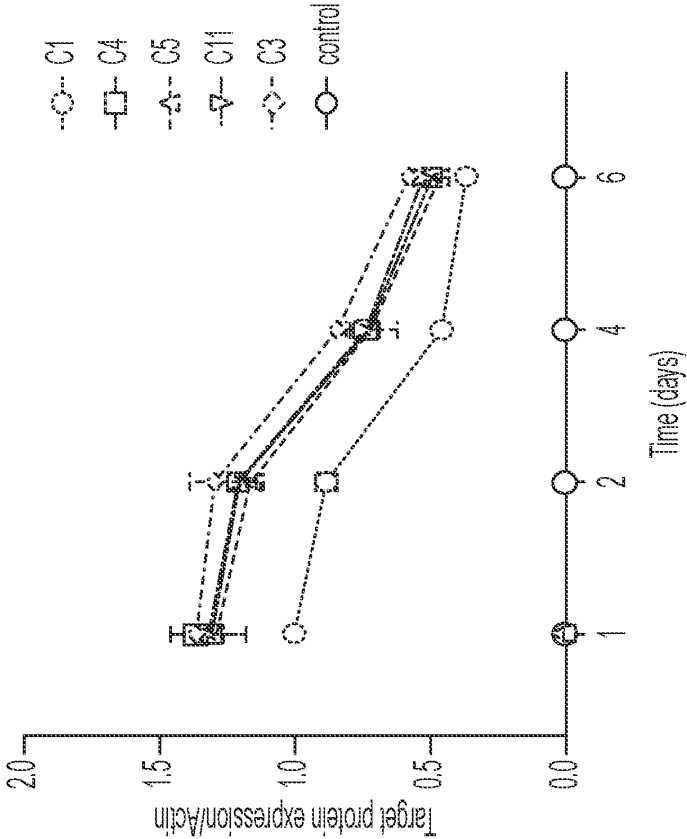


FIG. 12

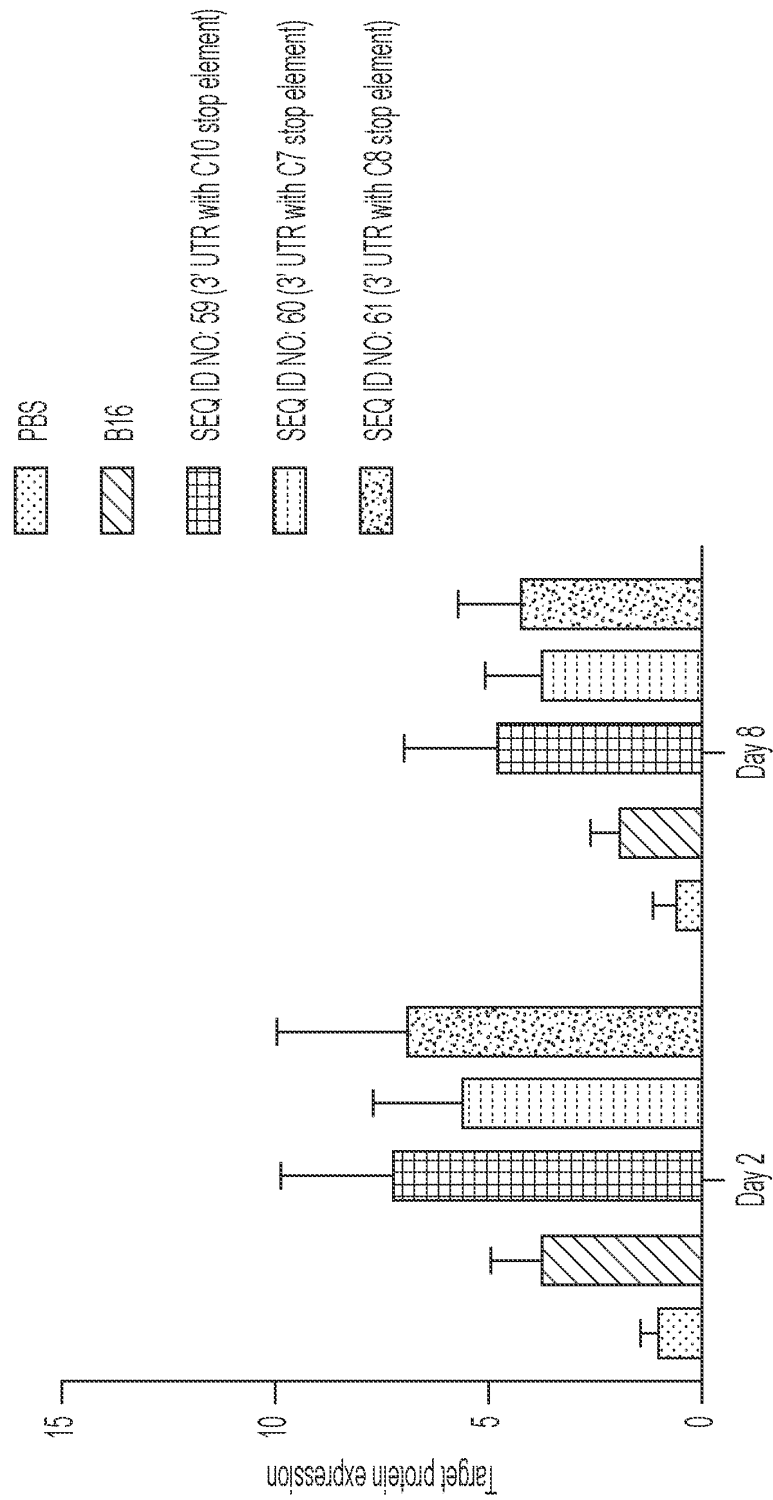


FIG. 13

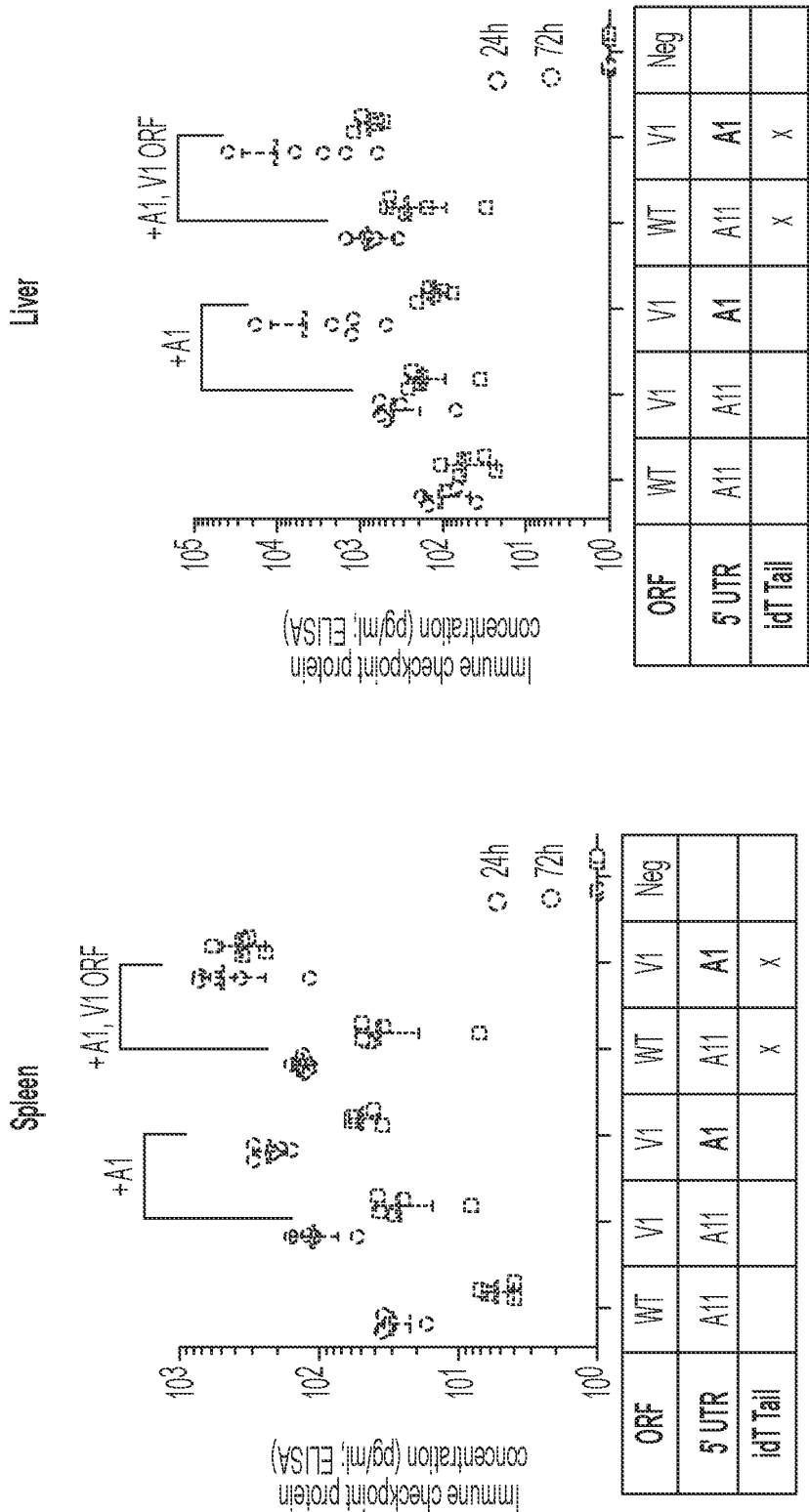


FIG. 14A

FIG. 14B

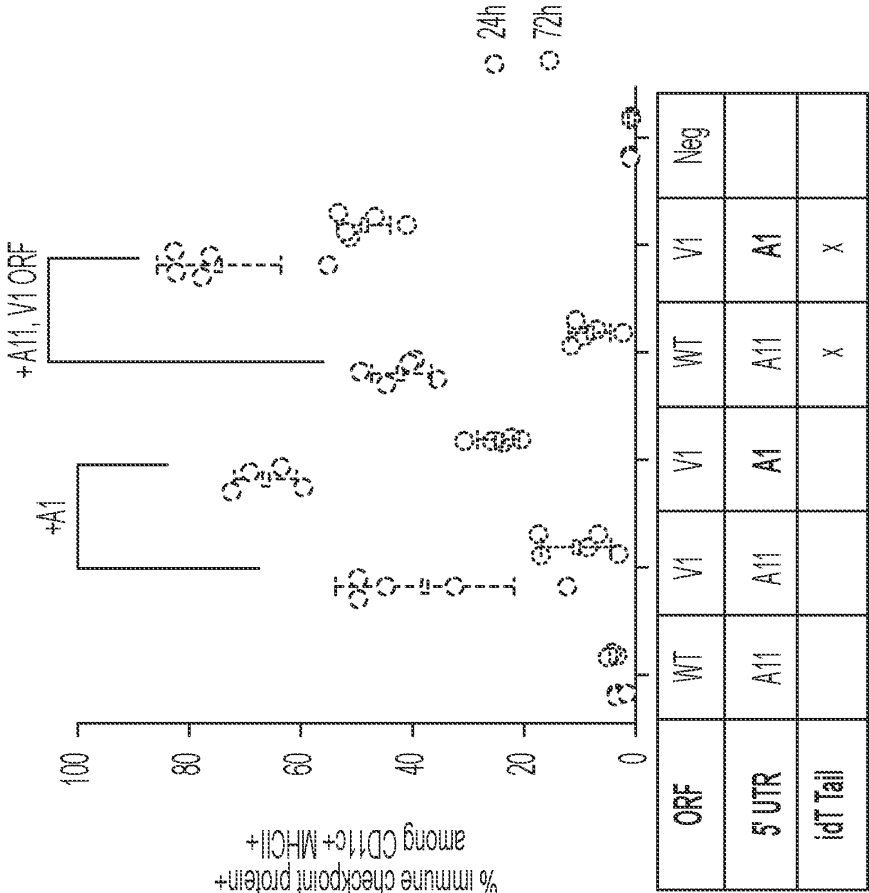


FIG. 15

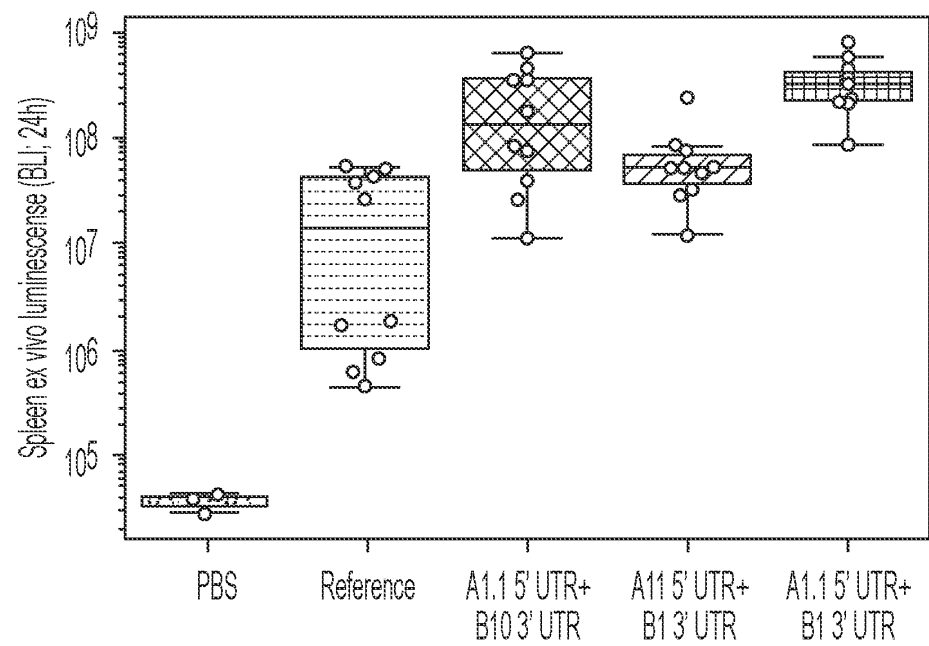


FIG. 16A

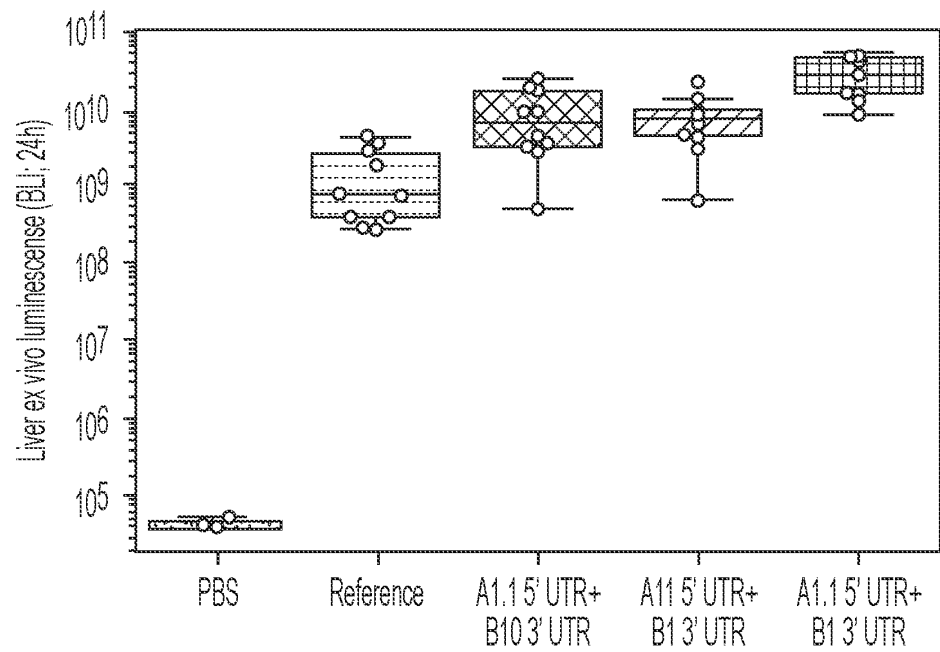


FIG. 16B

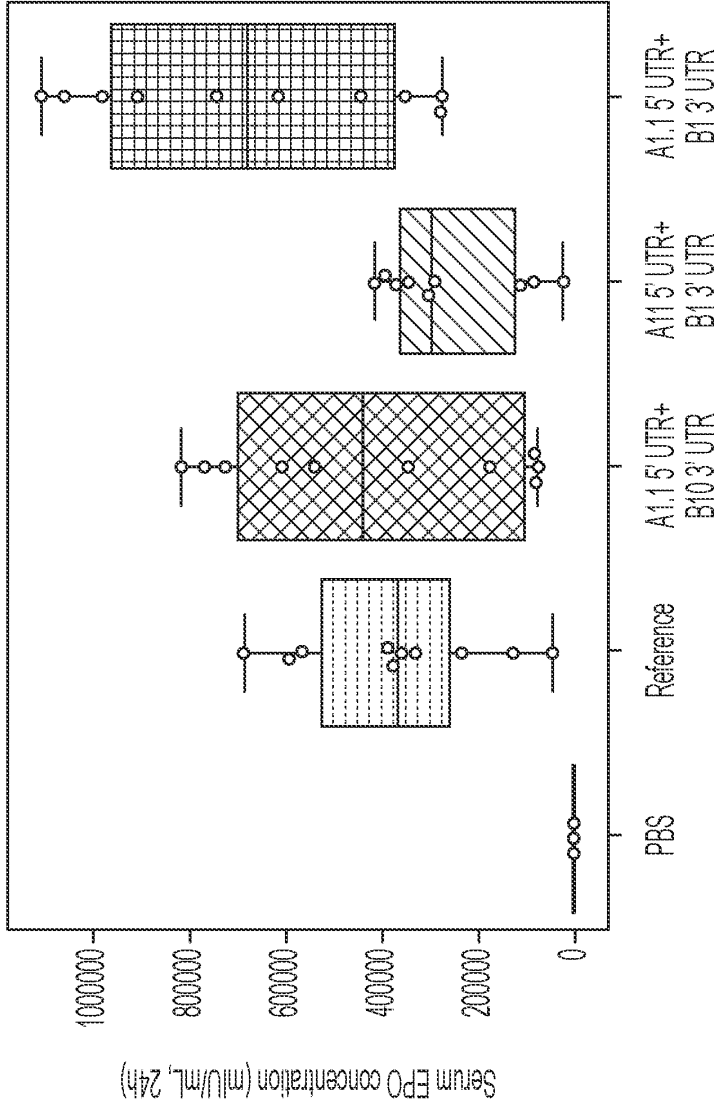


FIG. 16C

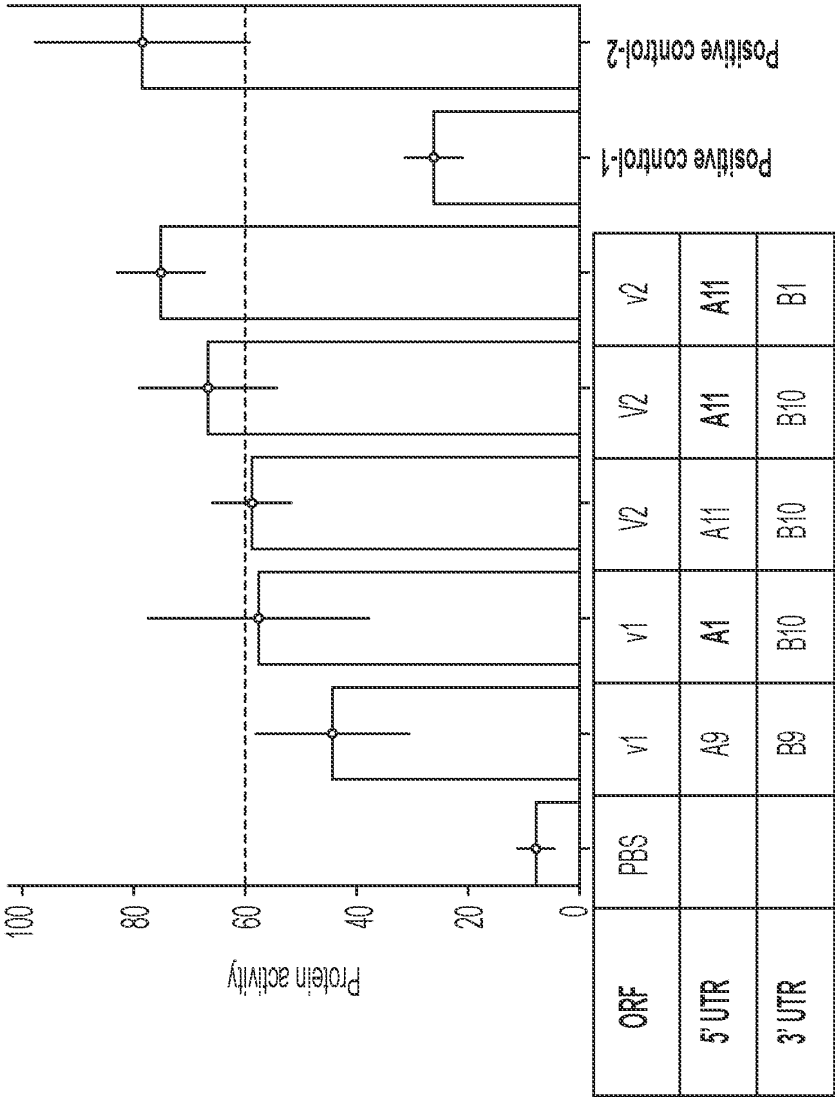


FIG. 17

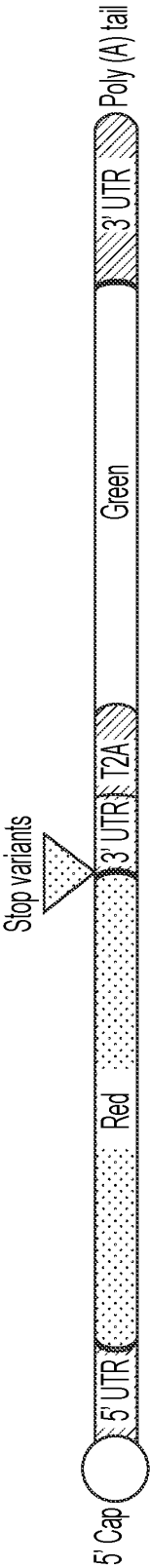


FIG. 18A

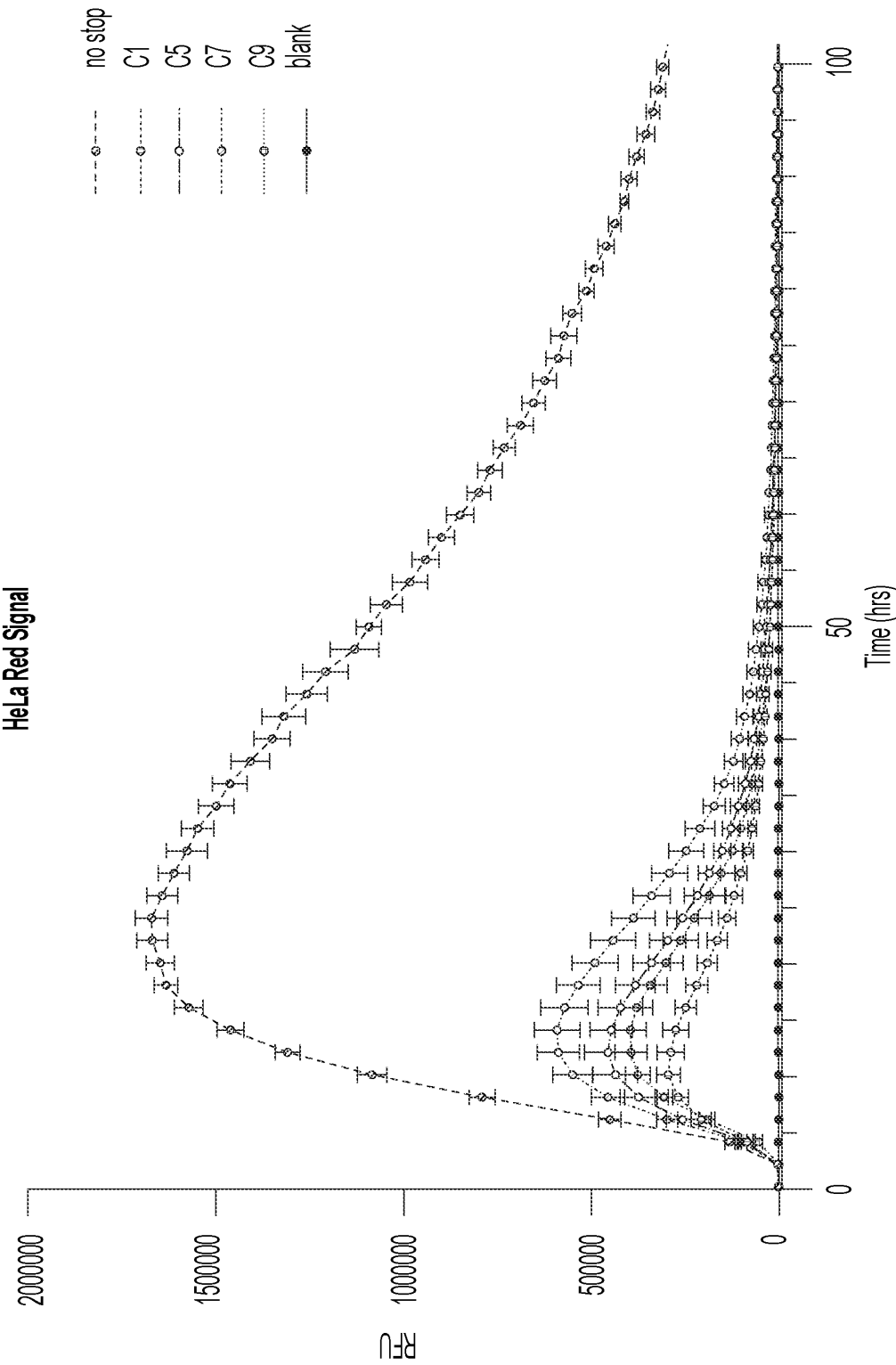
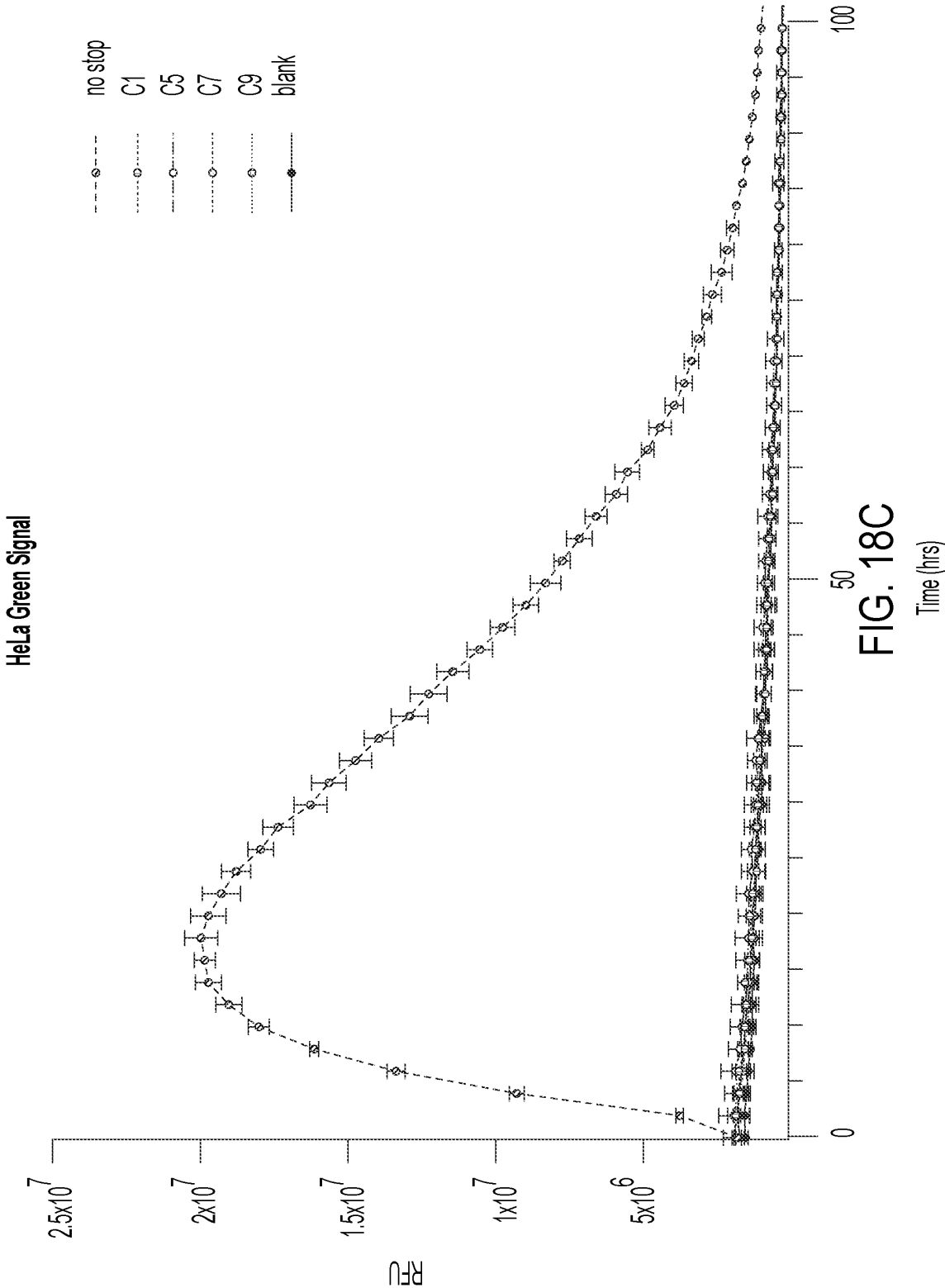


FIG. 18B



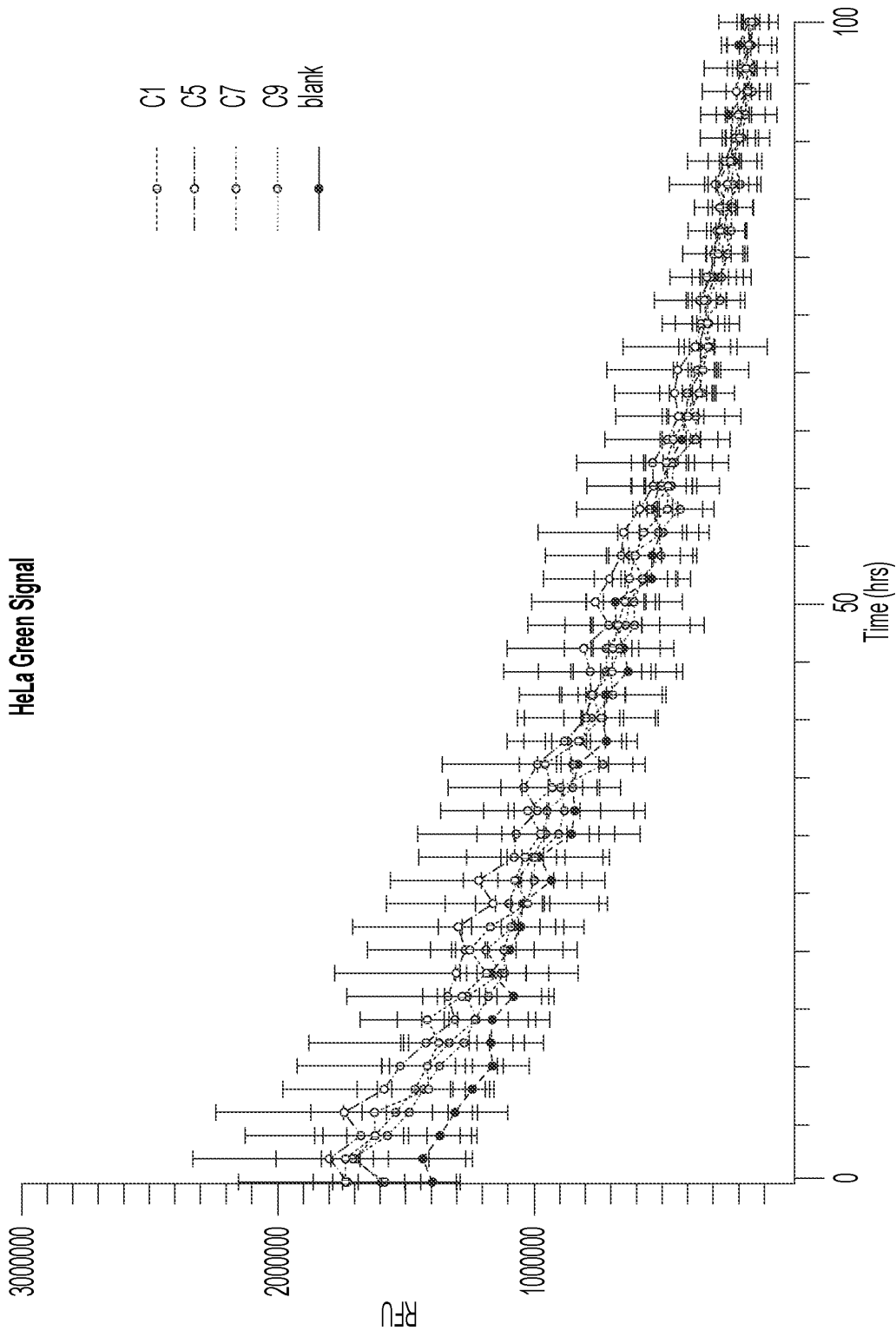


FIG. 18D

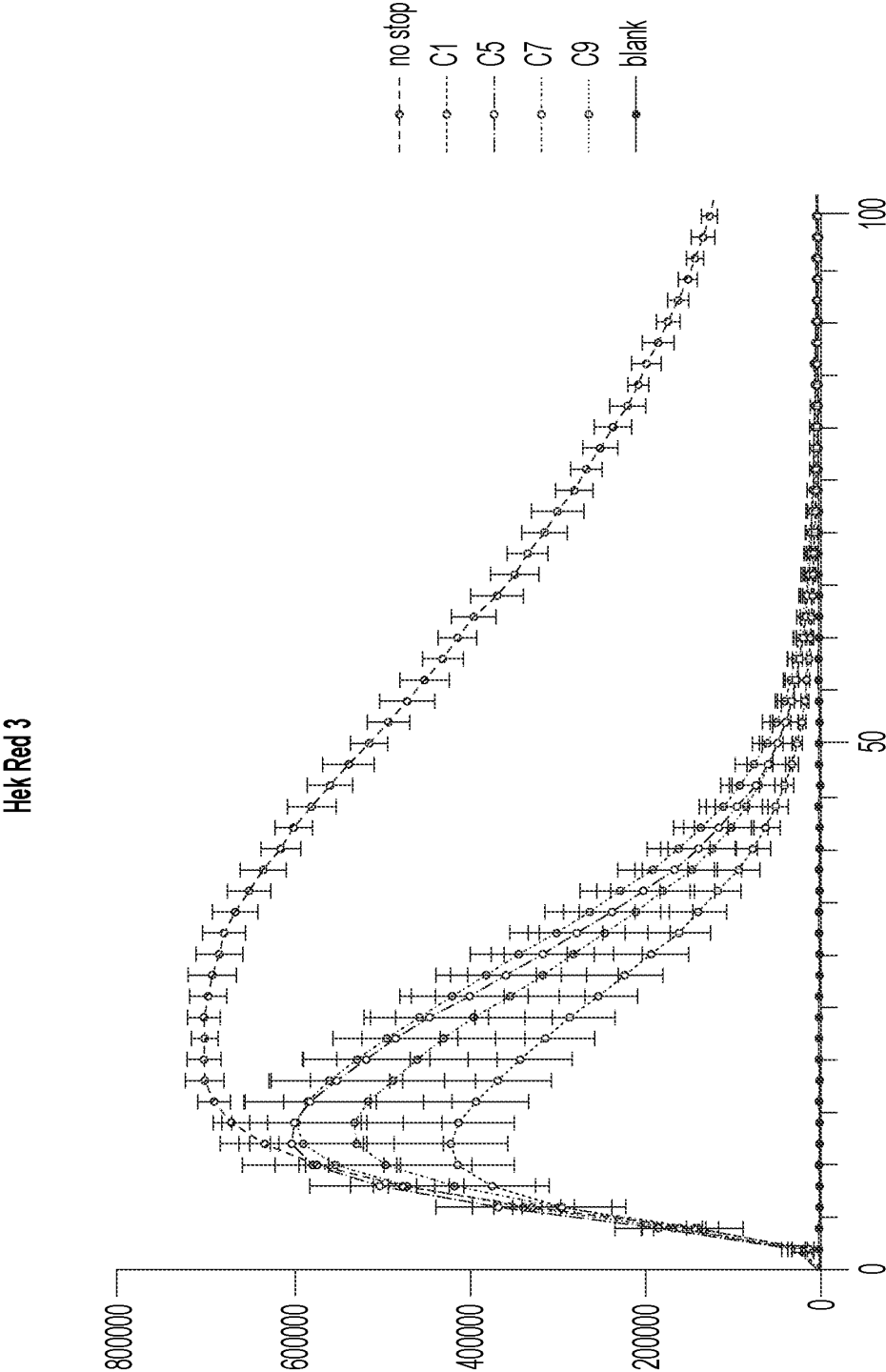


FIG. 18E

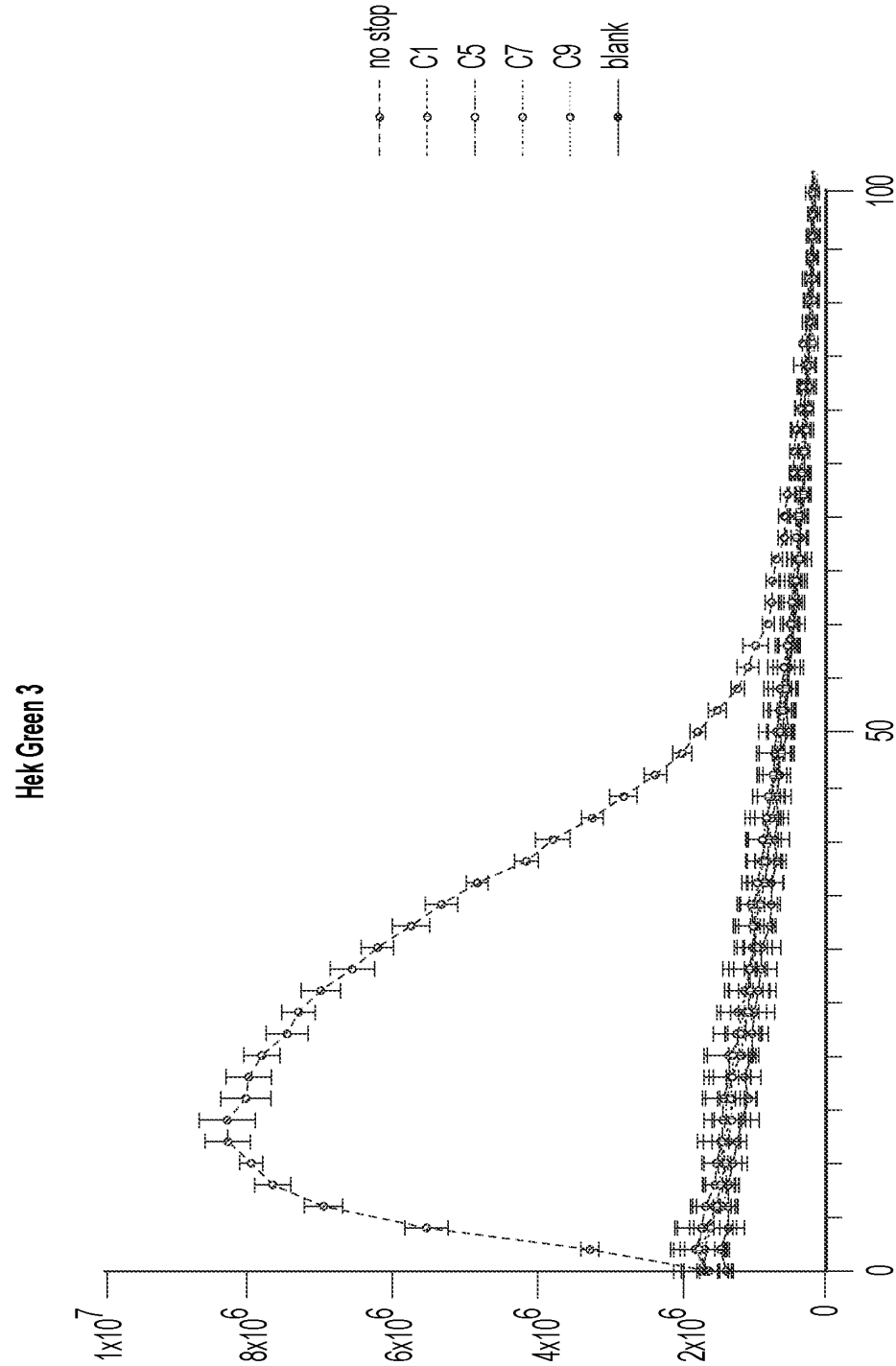


FIG. 18F

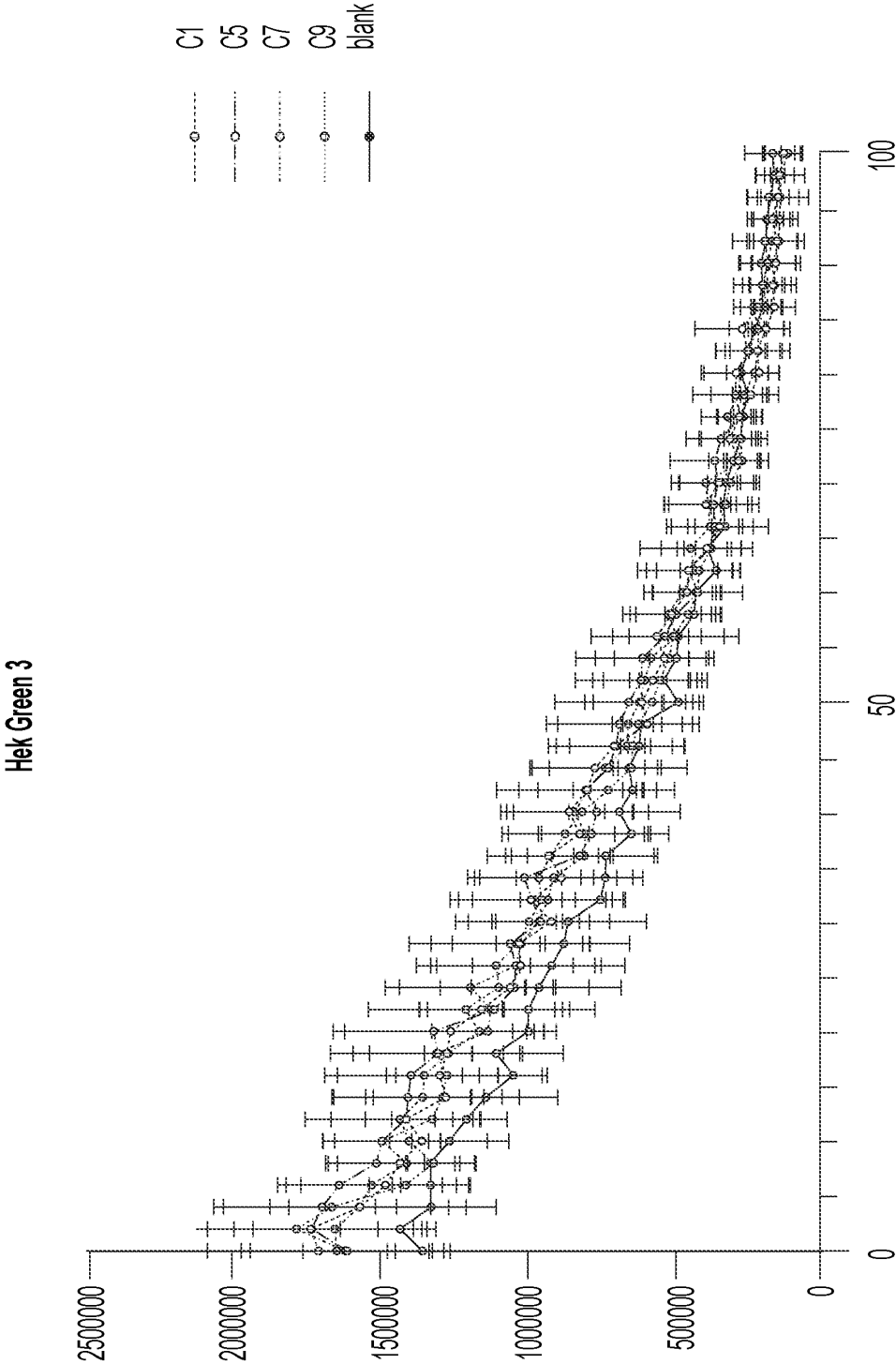


FIG. 18G

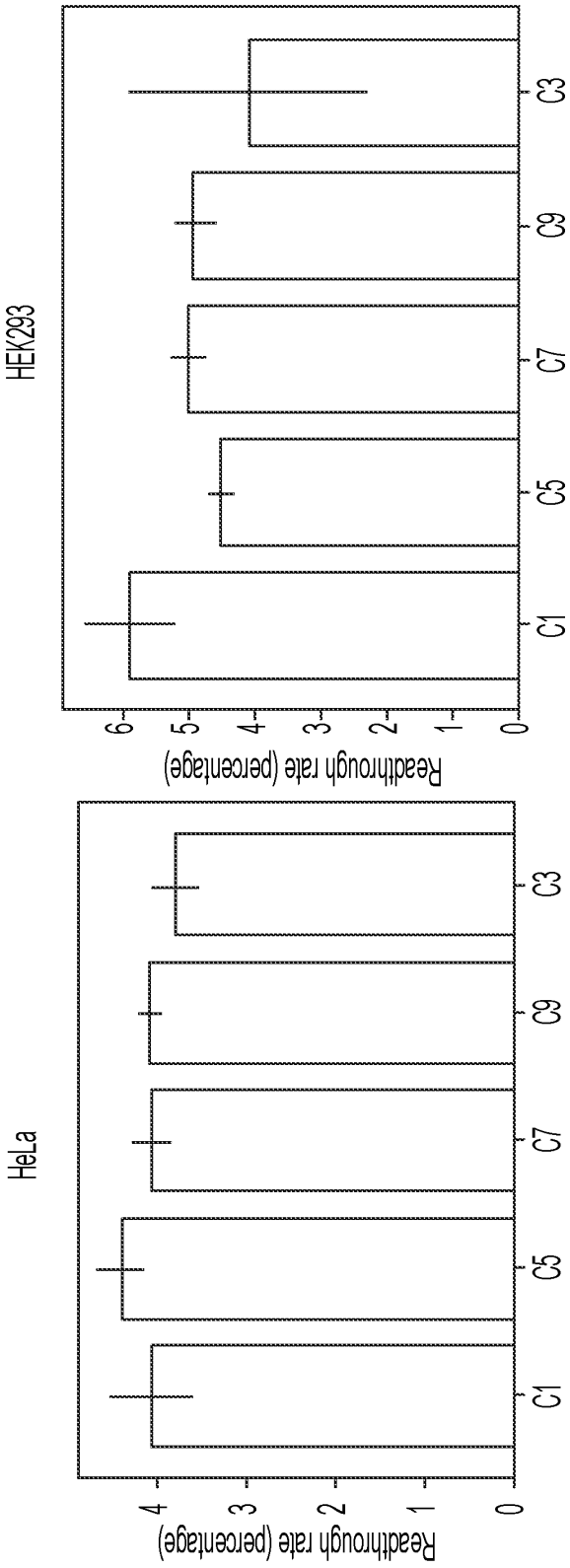


FIG. 18H

FIG. 18I

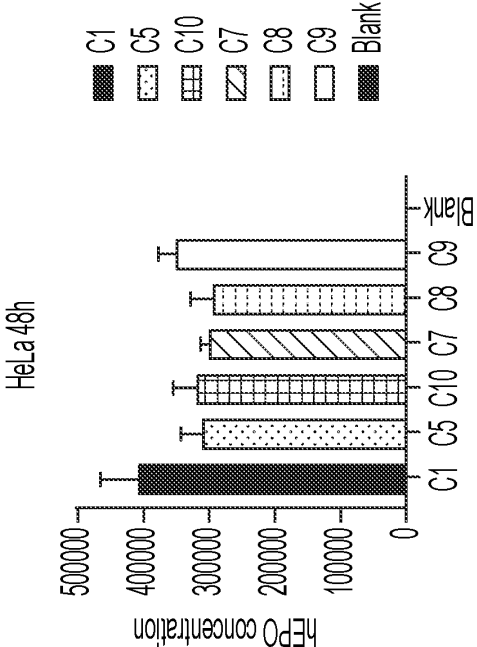


FIG. 19B

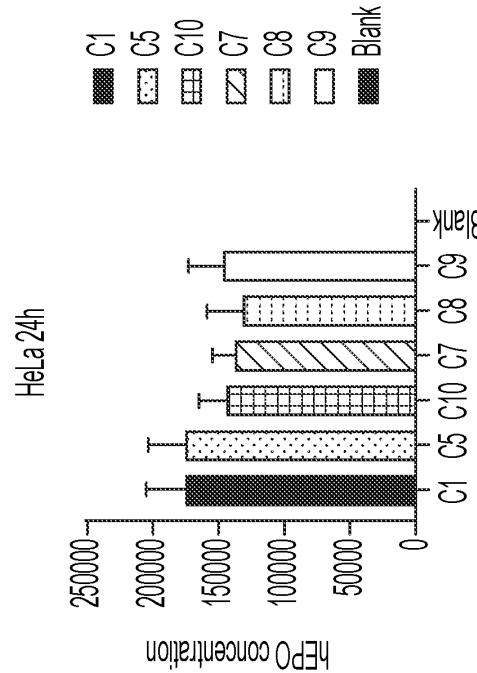


FIG. 19A

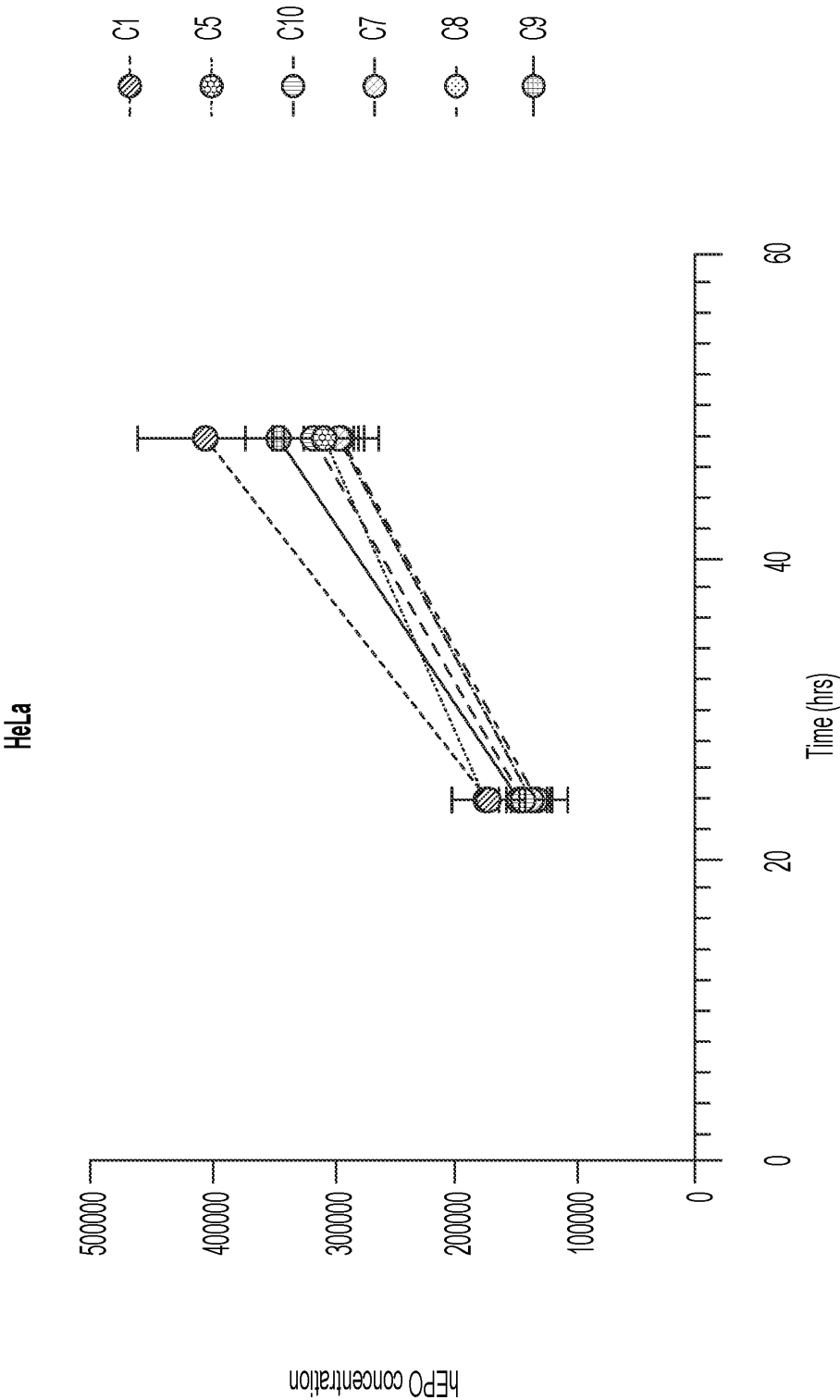


FIG. 19C

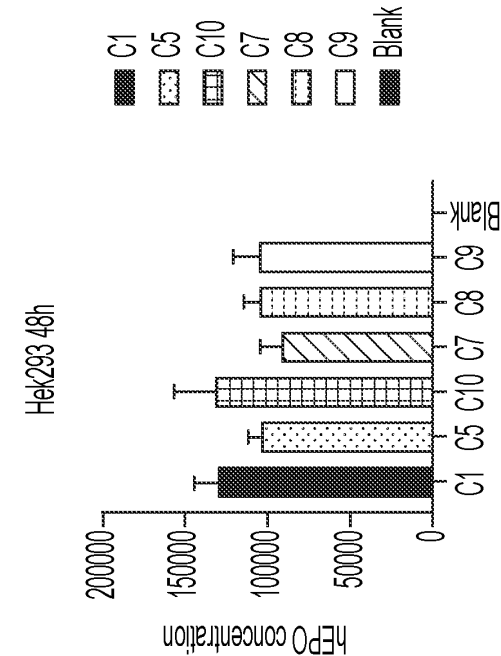


FIG. 19E

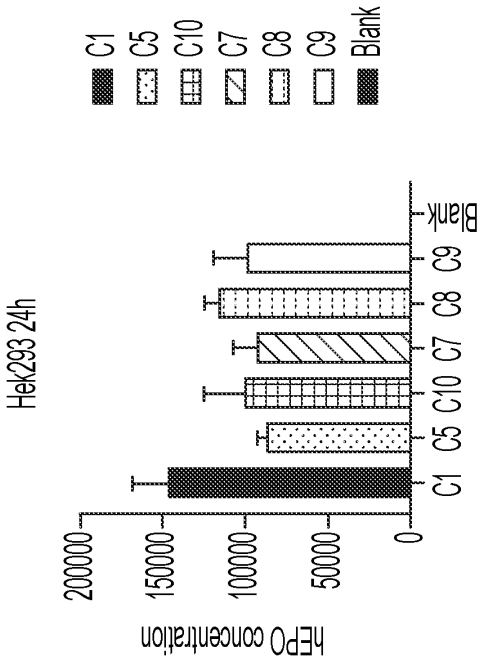


FIG. 19D

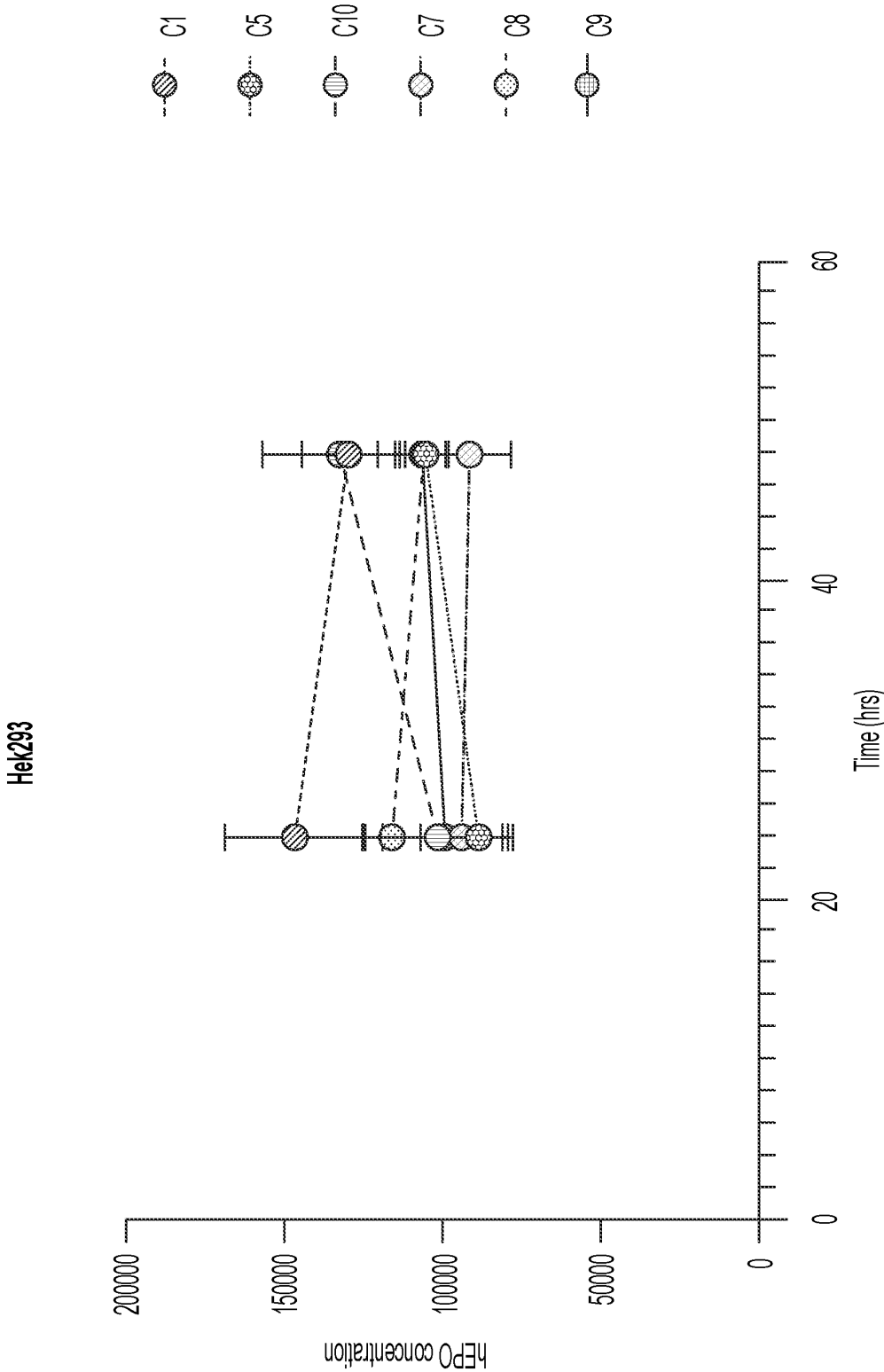


FIG. 19F

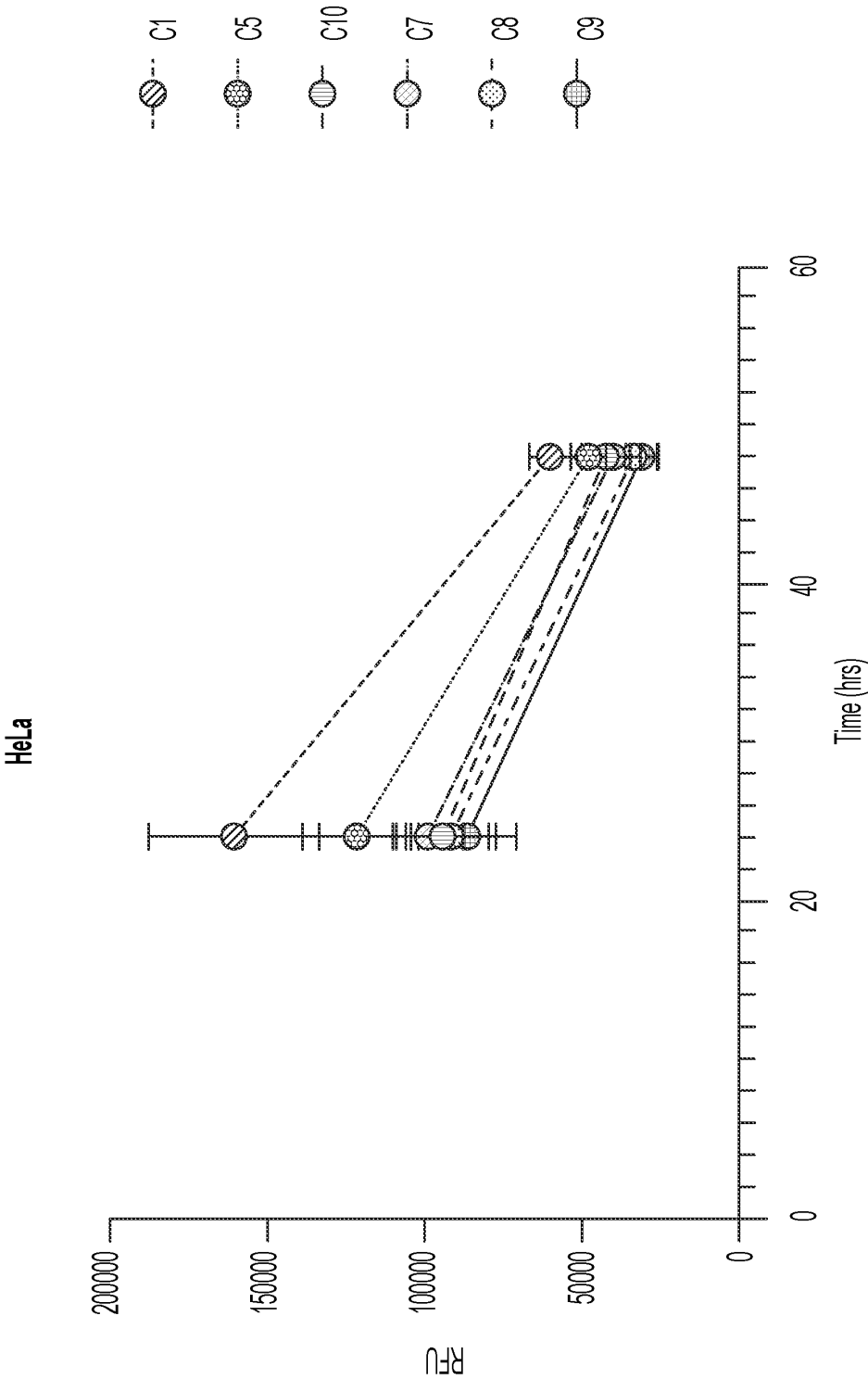


FIG. 20A

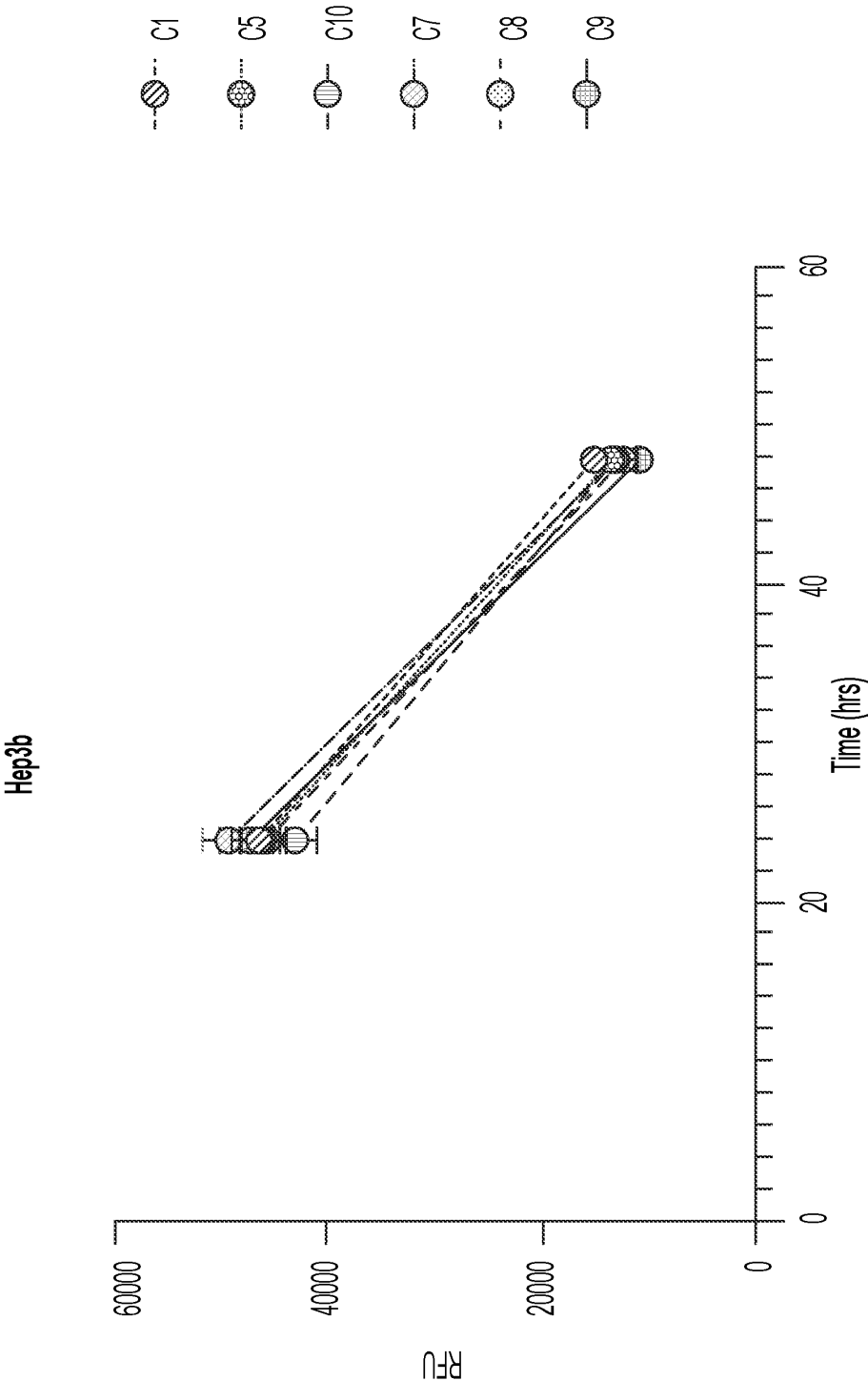


FIG. 20B

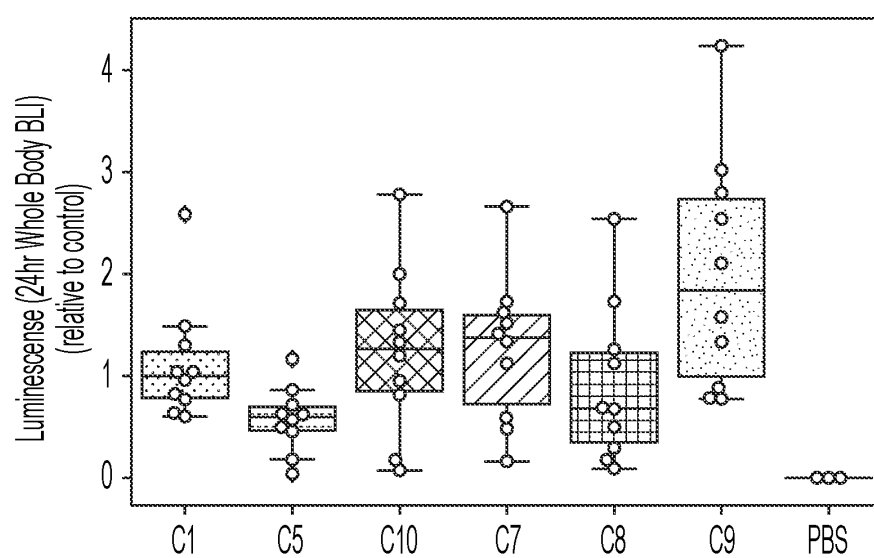


FIG. 21A

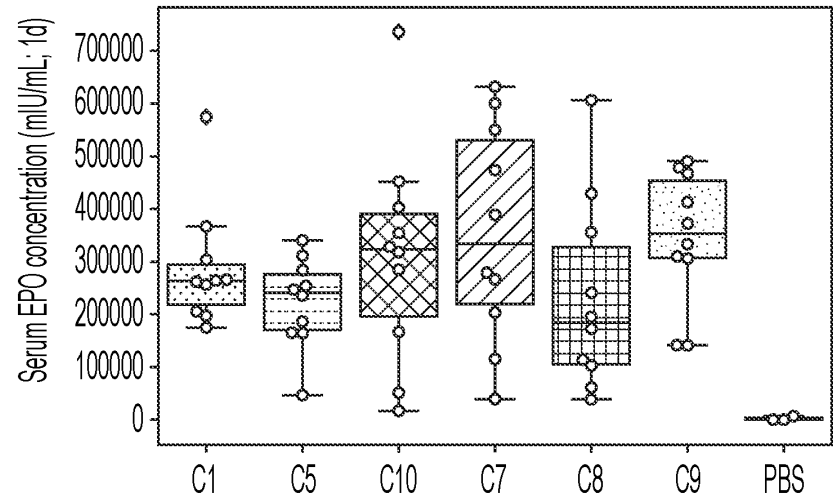


FIG. 21B

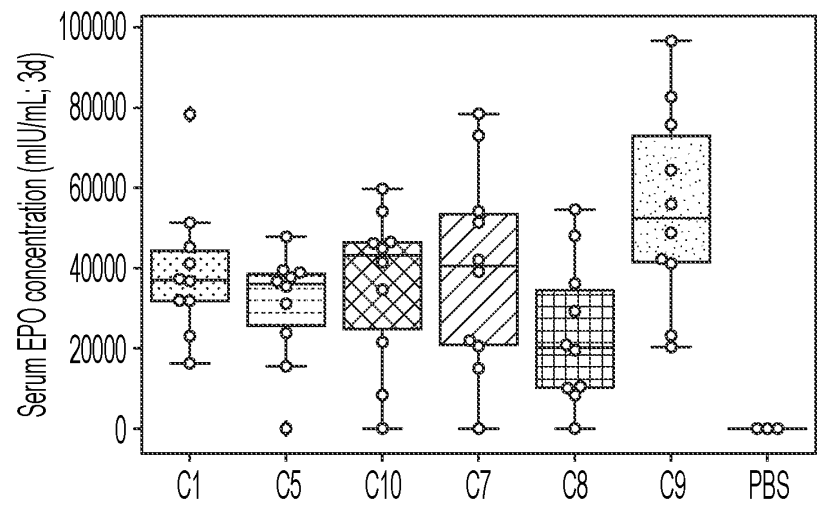


FIG. 21C

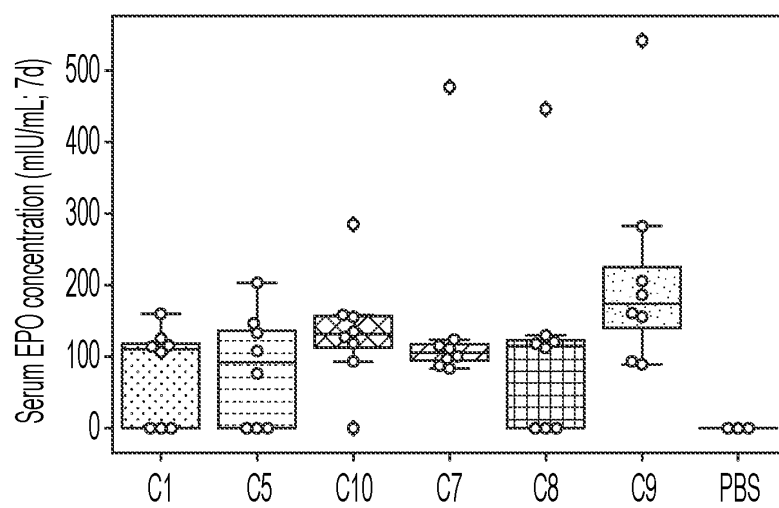


FIG. 21D

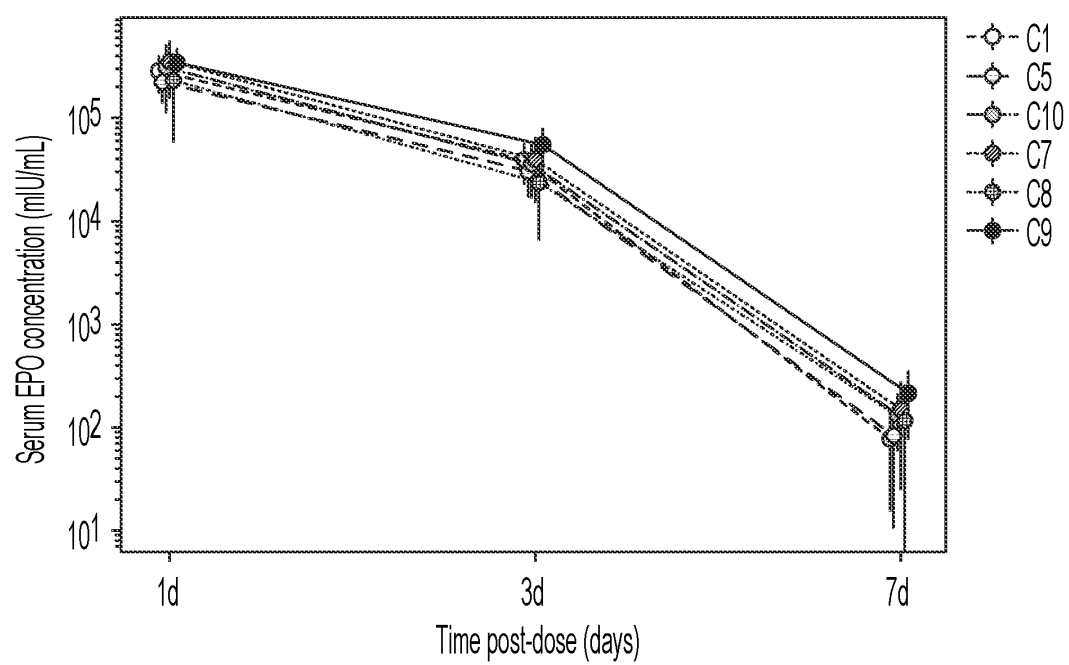


FIG. 21E

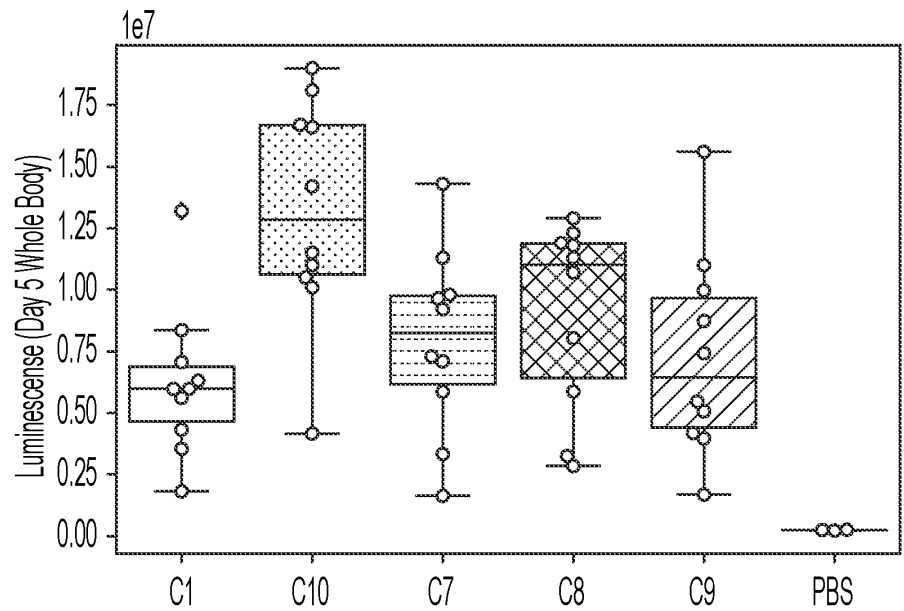


FIG. 22A

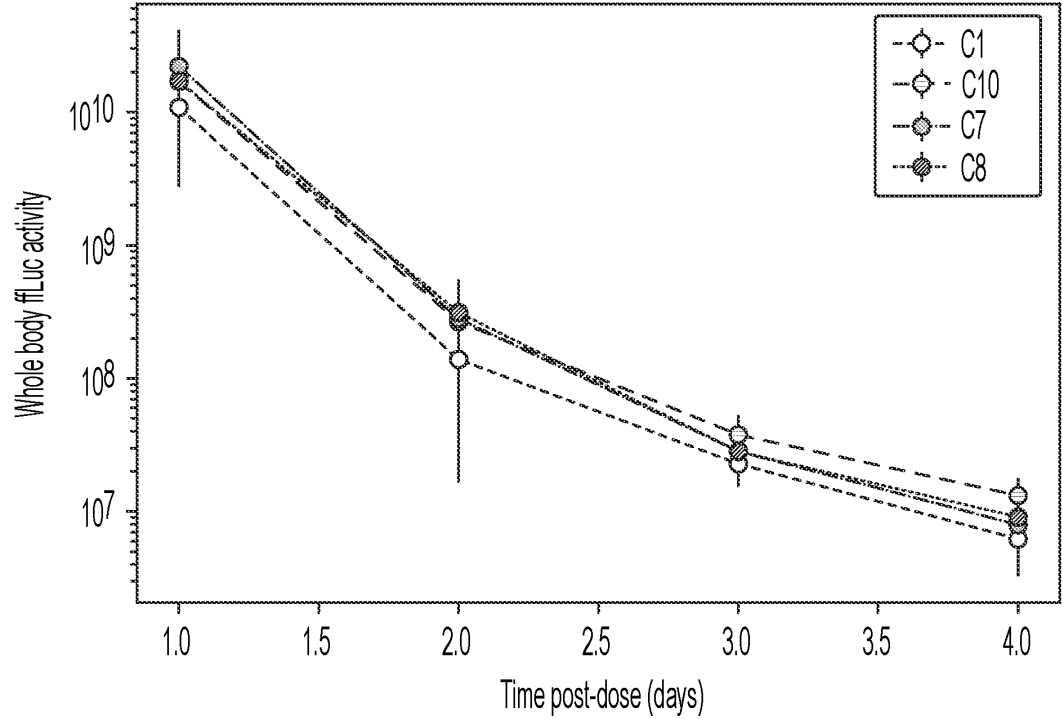


FIG. 22B

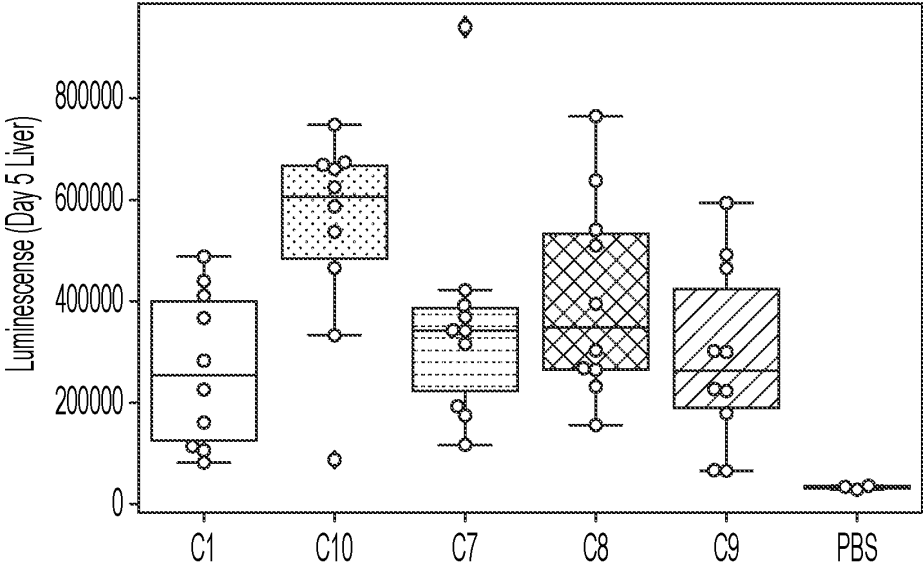


FIG. 22C

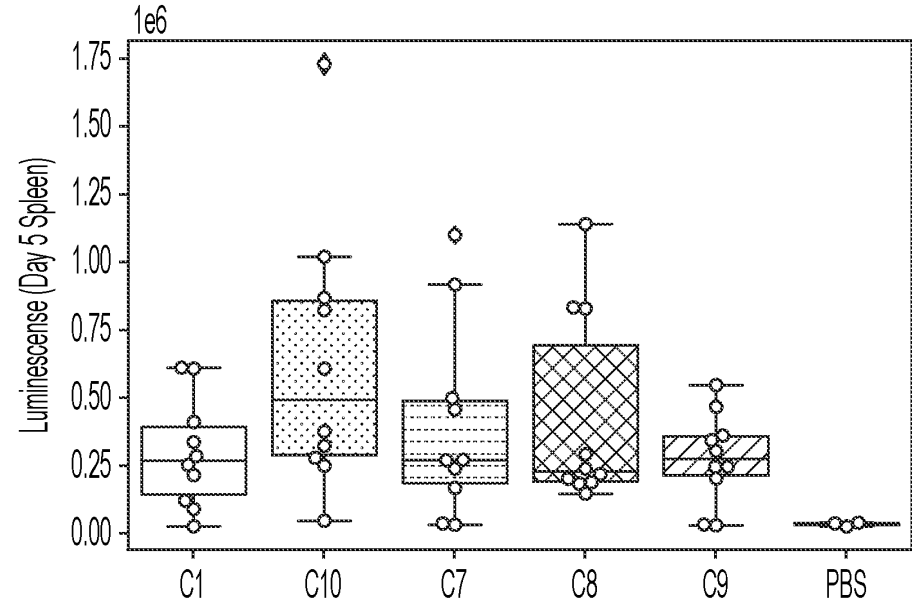


FIG. 22D

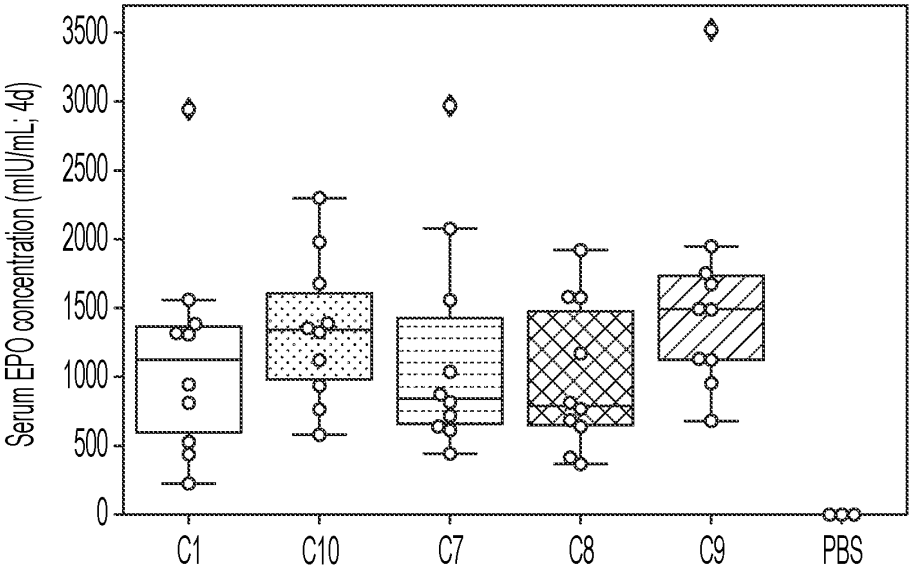


FIG. 22E

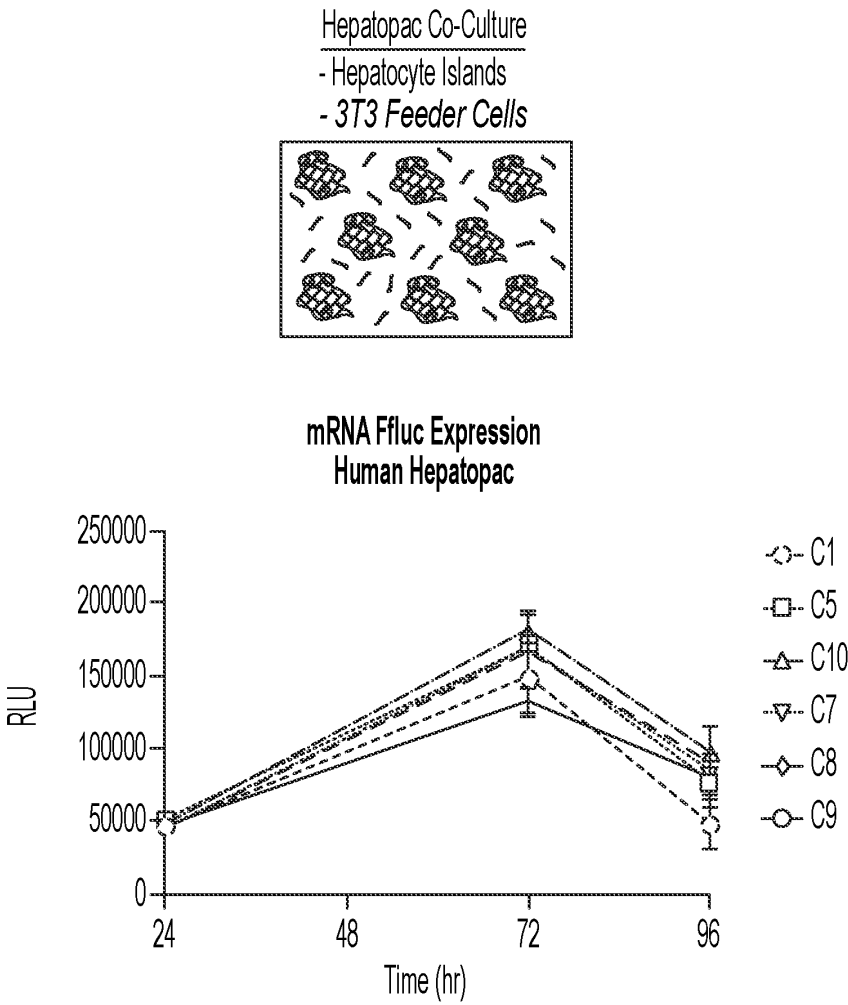
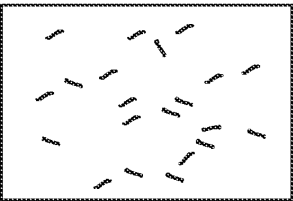


FIG. 23A

- 3T3 Feeder Cells Alone
Plated @ 15,000/well



mRNA Ffluc Expression
3T3 Feeder Cells Alone

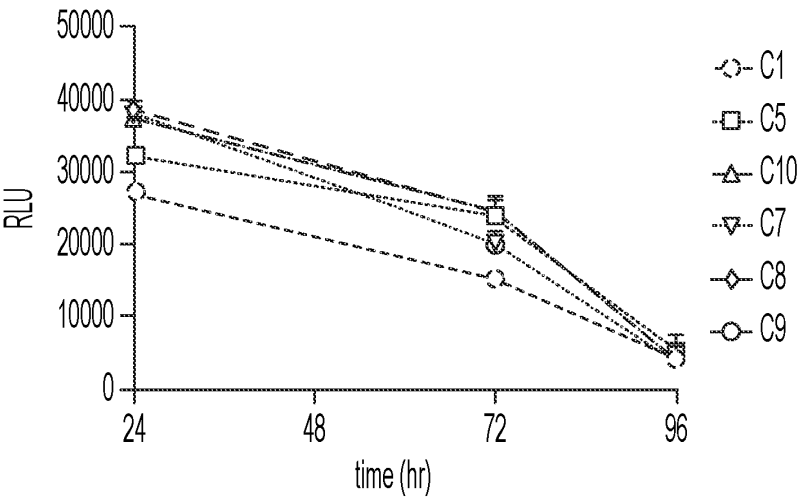


FIG. 23B

Expression in Hepatocyte Islands = Hepatopac Co-Culture subtracted by *3T3 Feeder Cells Alone*

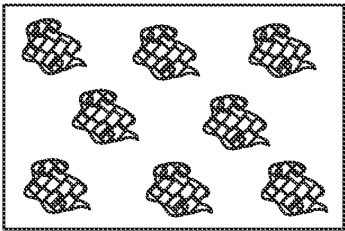
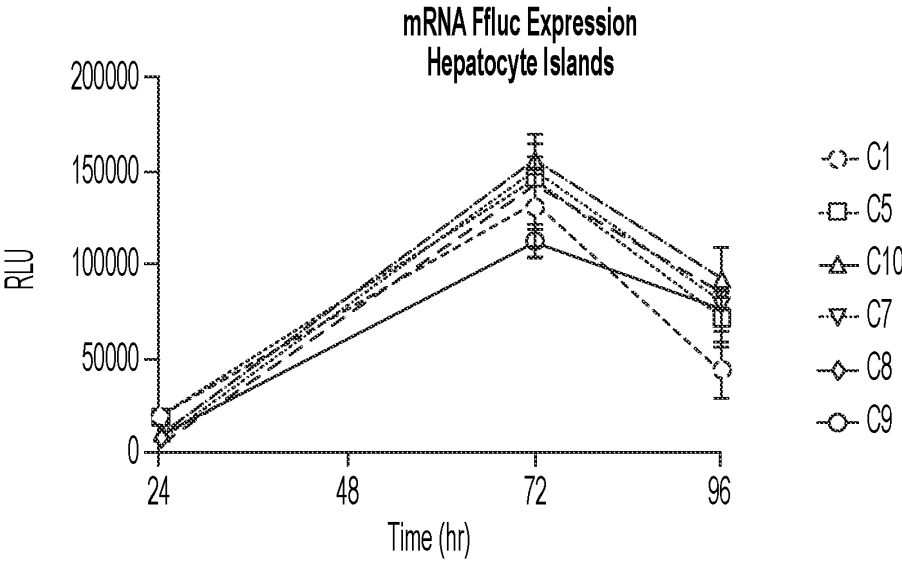


FIG. 23C

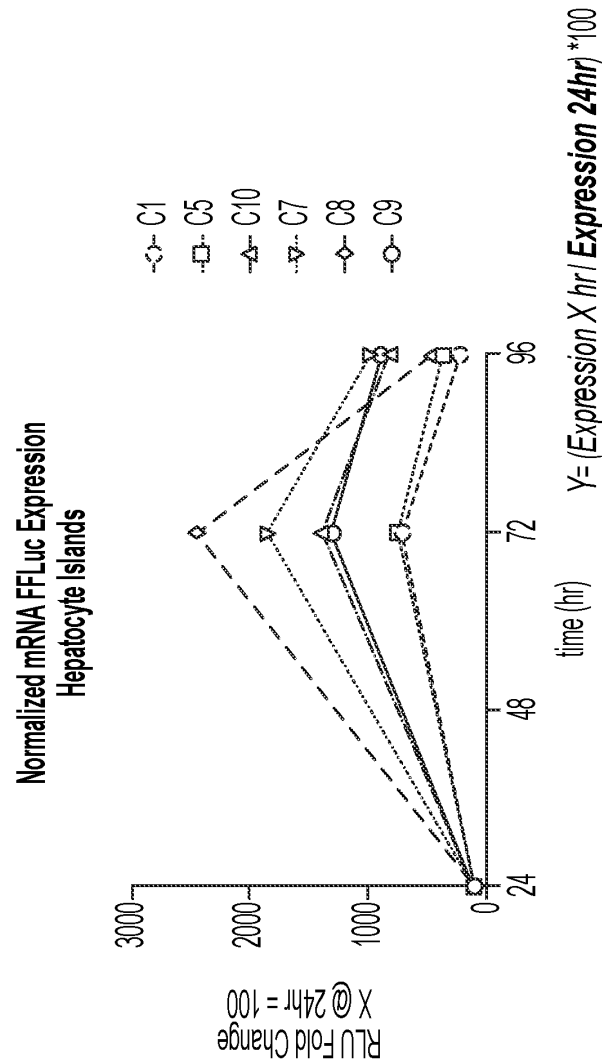


FIG. 23D

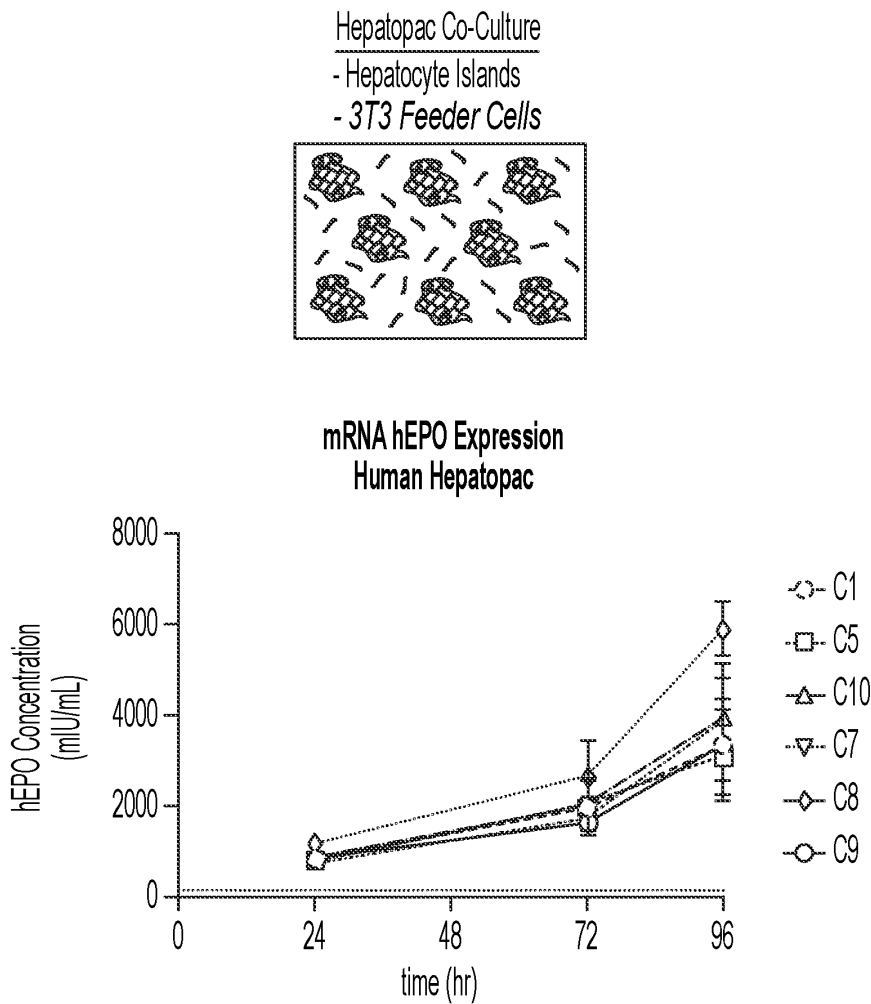


FIG. 24A

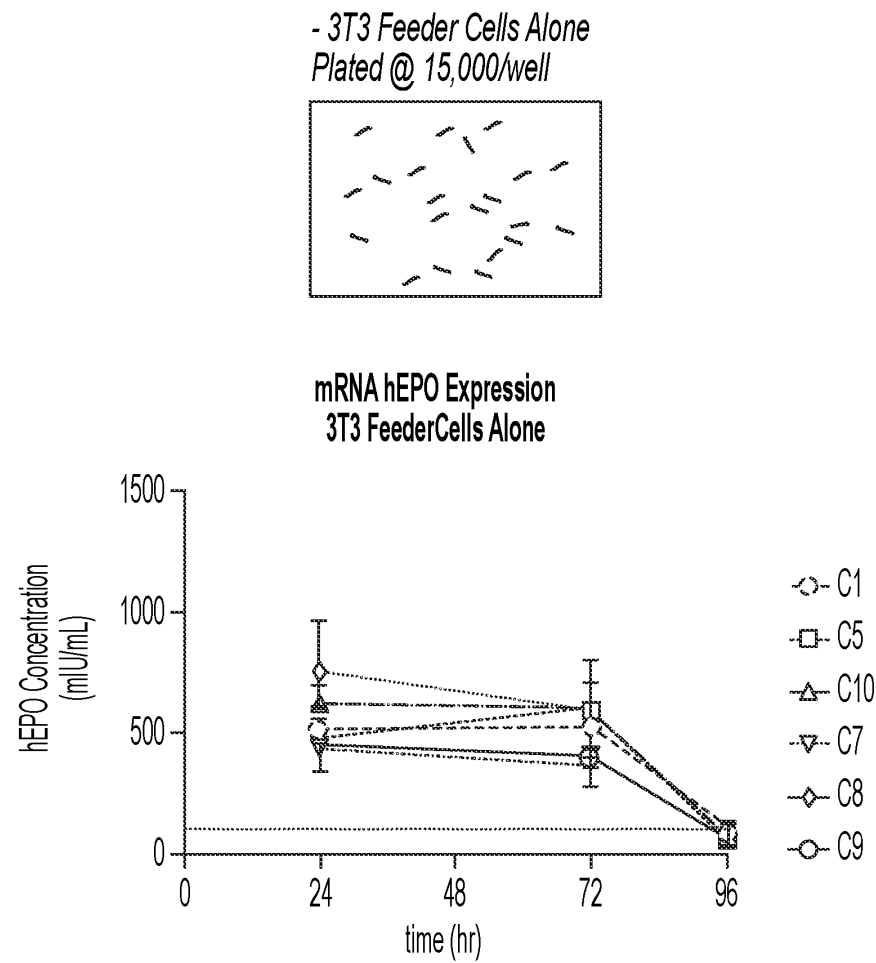


FIG. 24B

Expression in Hepatocyte Islands = Hepatopac Co-Culture subtracted by *3T3 Feeder Cells Alone*

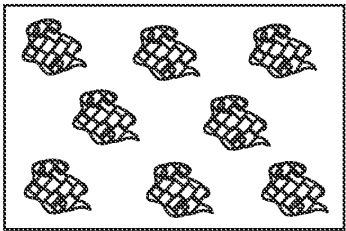
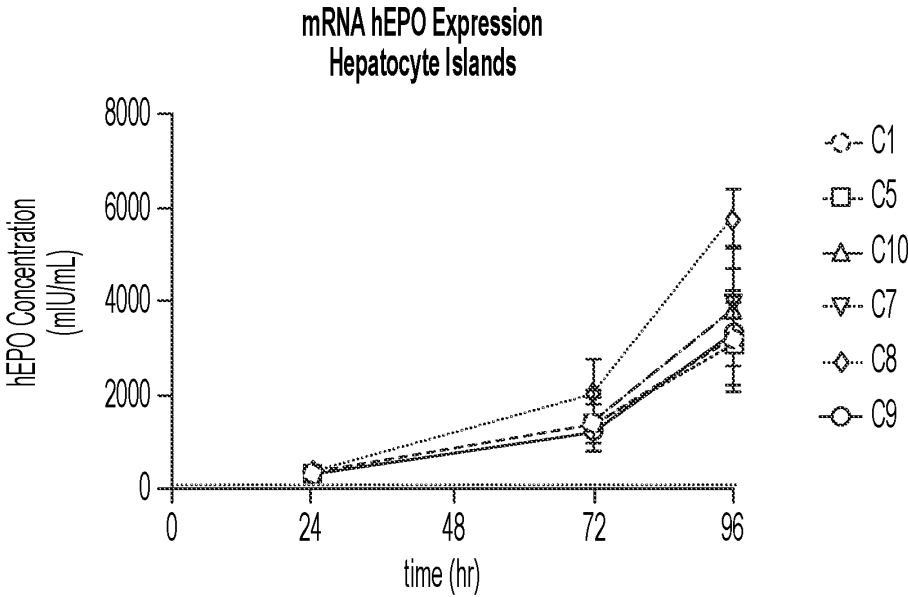


FIG. 24C

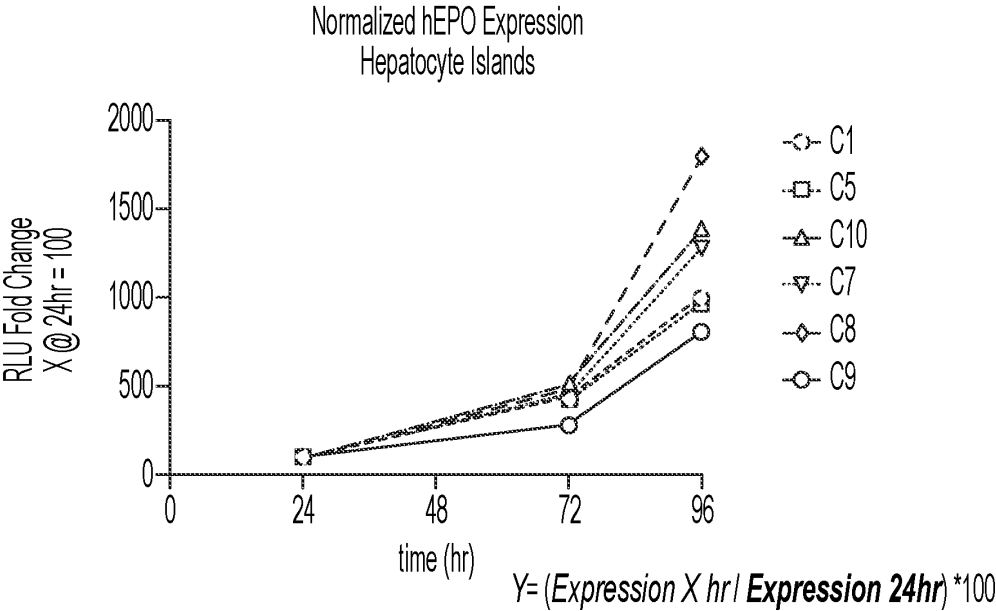


FIG. 24D

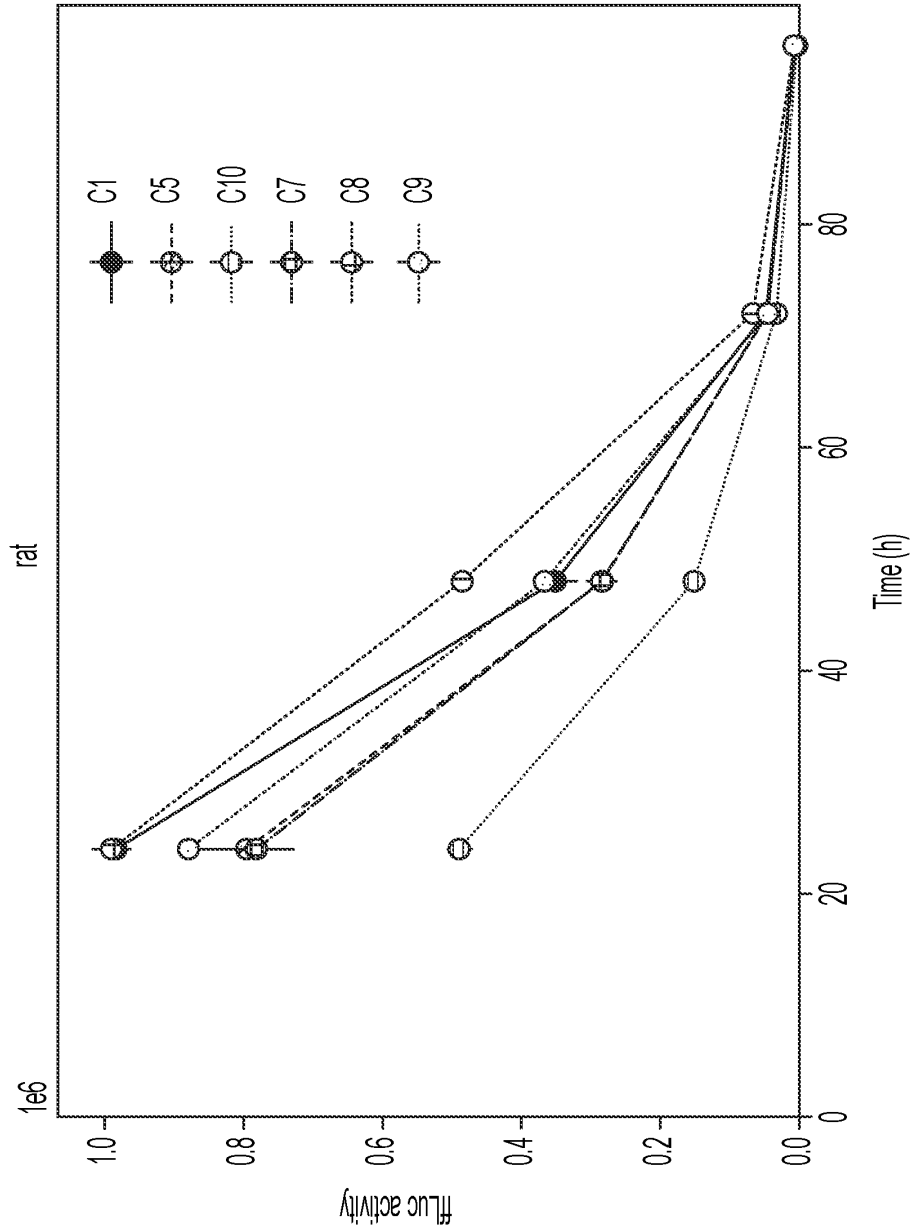


FIG. 25A

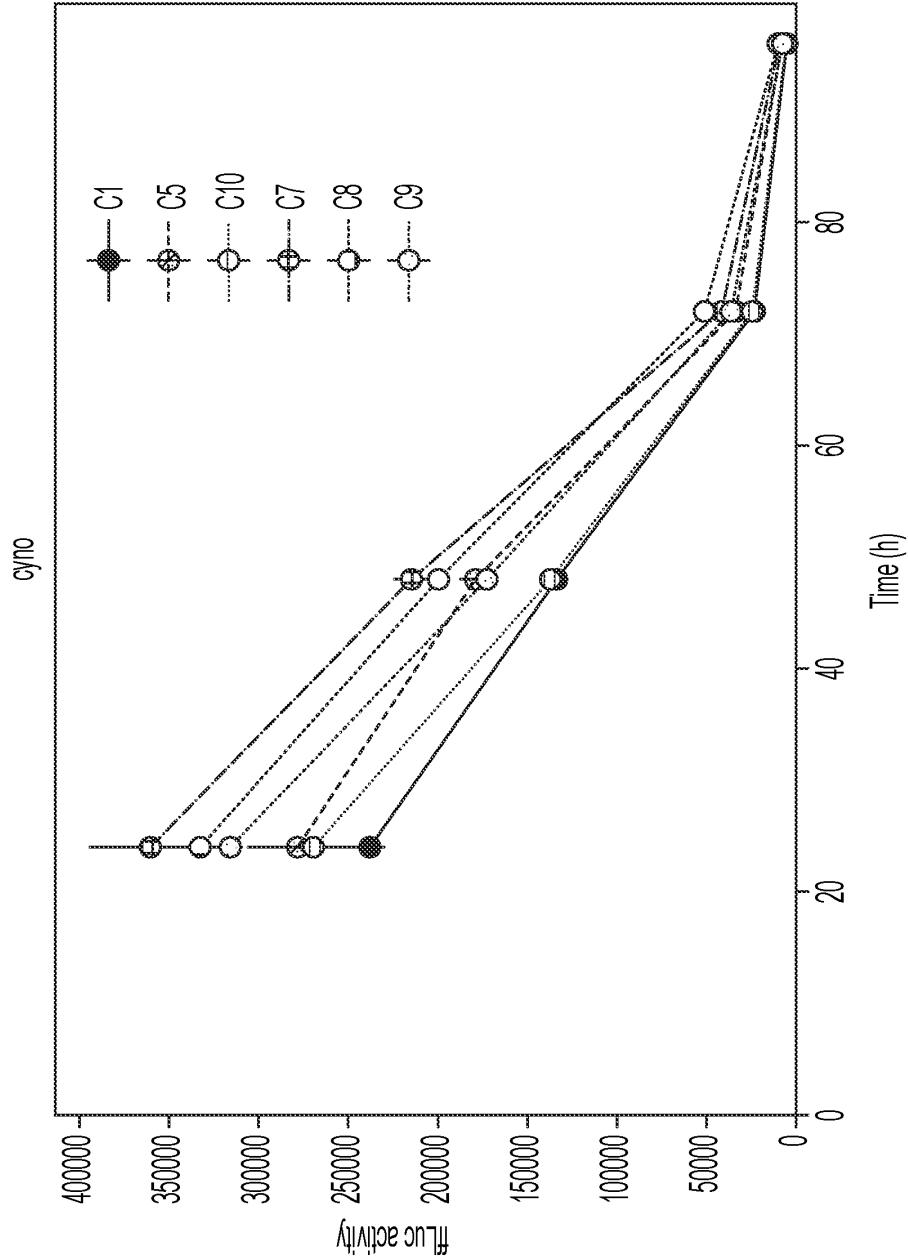


FIG. 25B

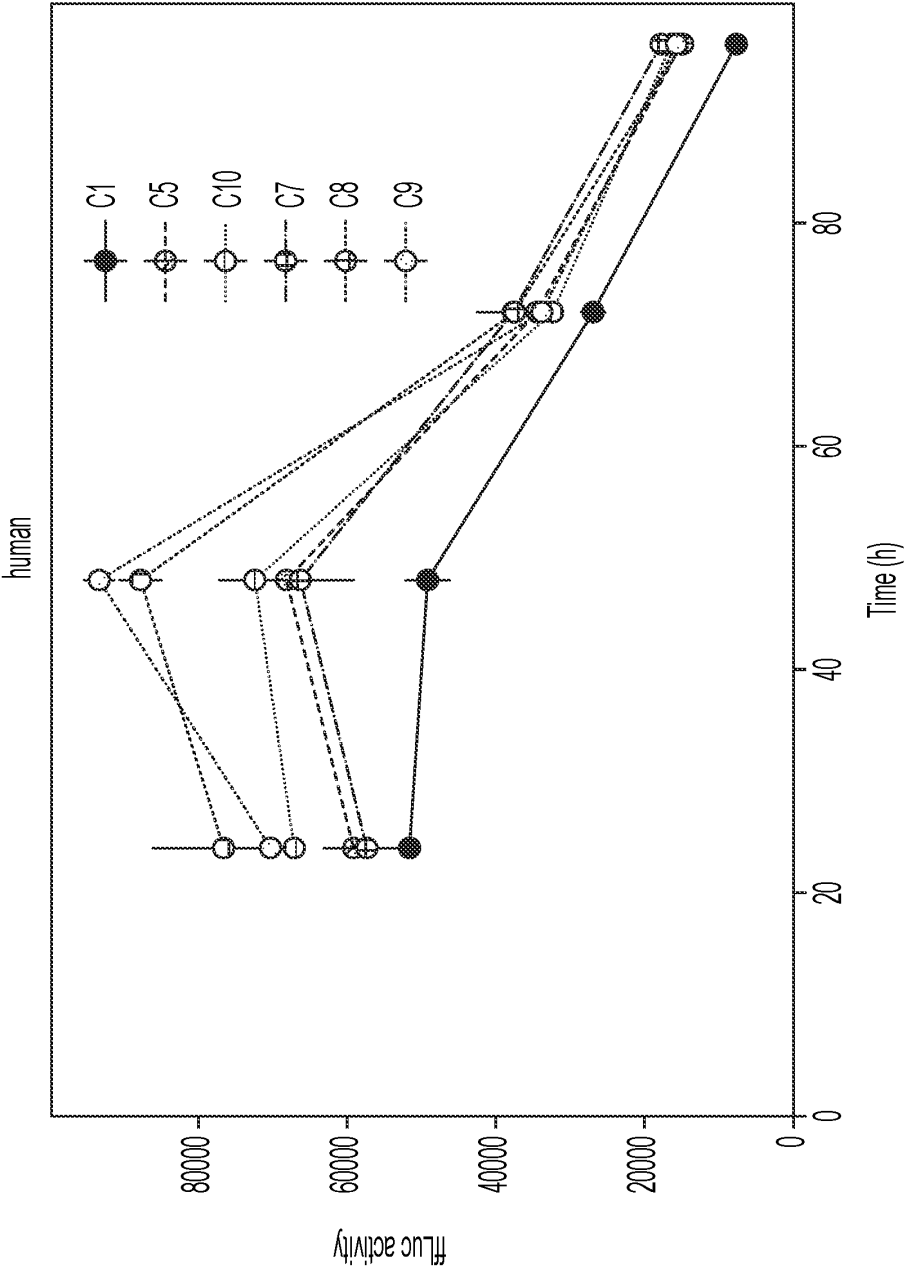


FIG. 25C

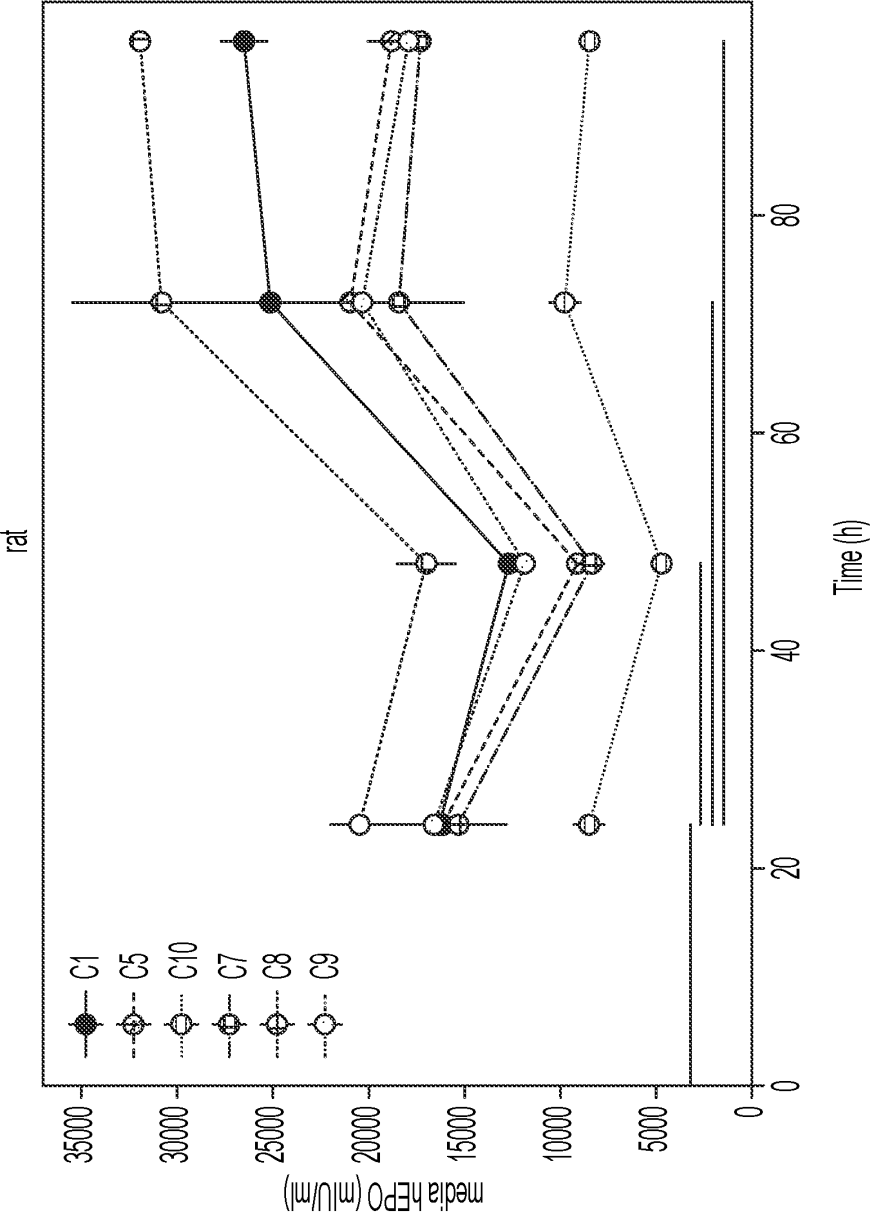


FIG. 25D

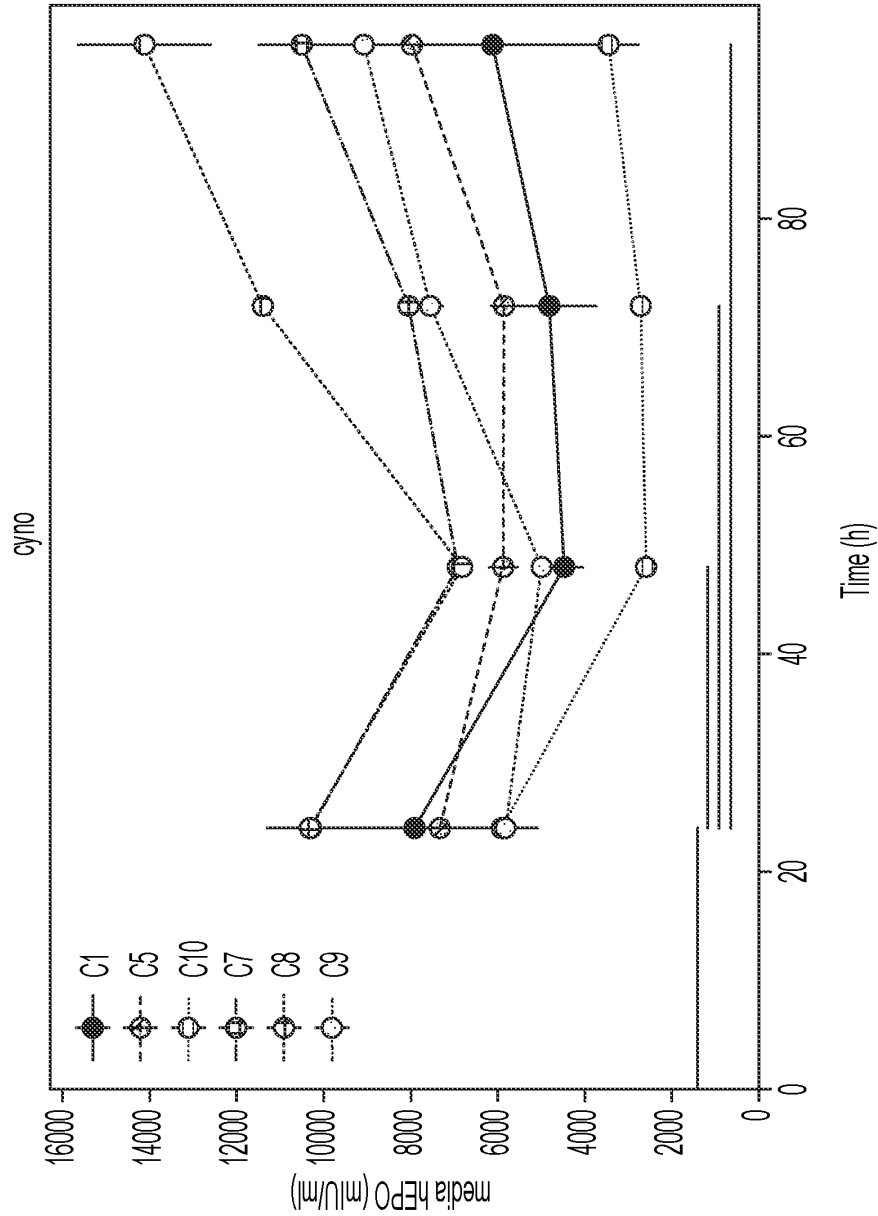


FIG. 25E

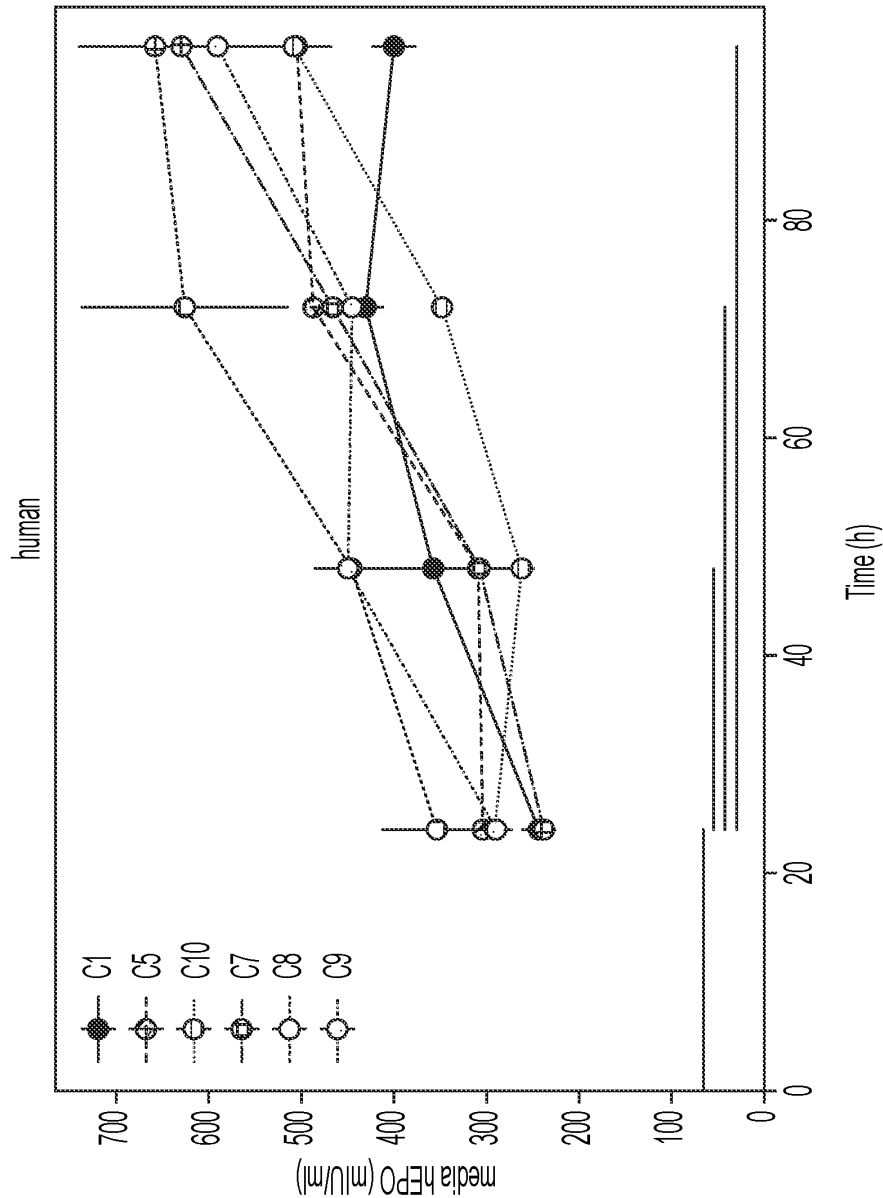


FIG. 25F

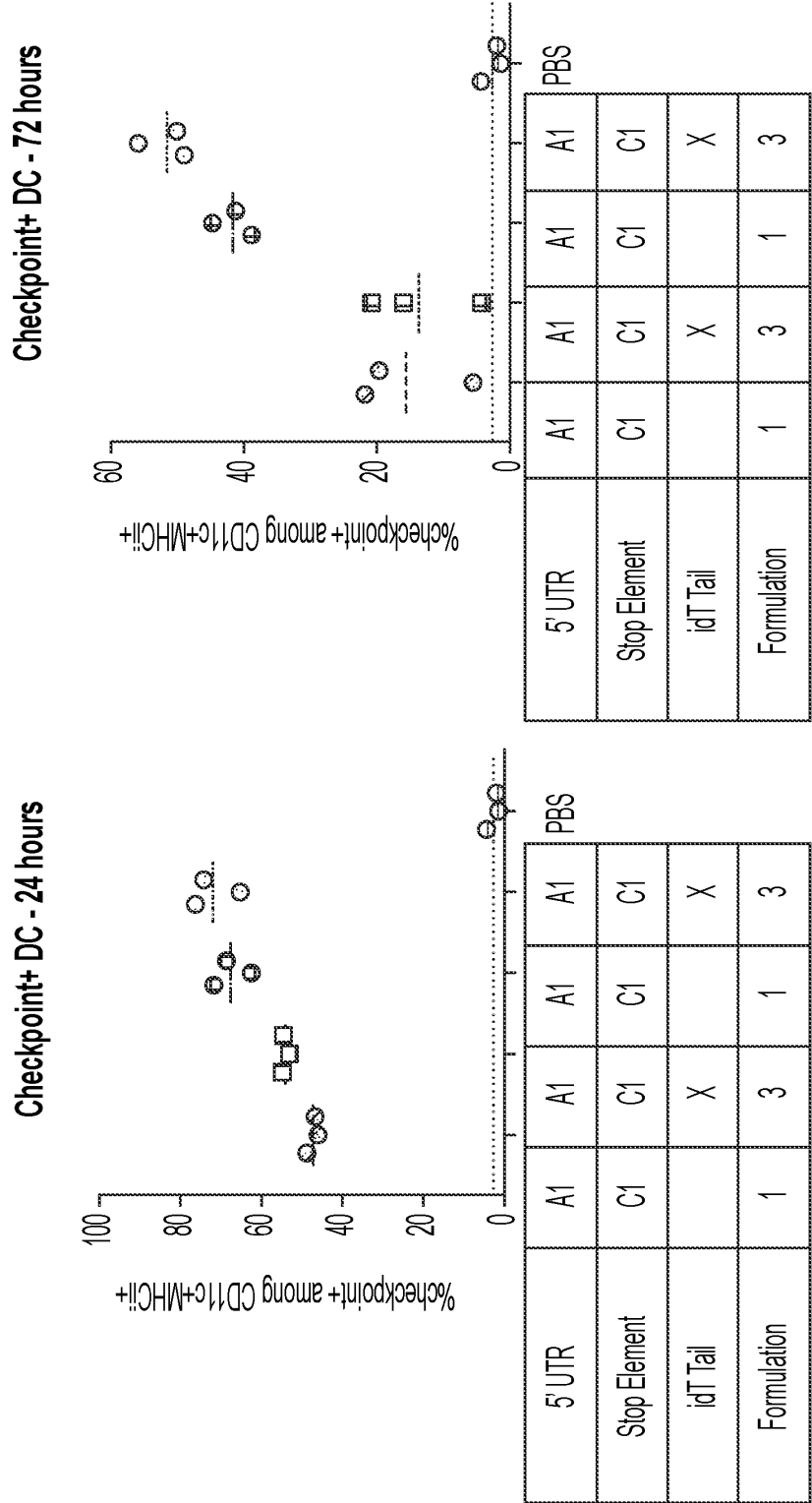
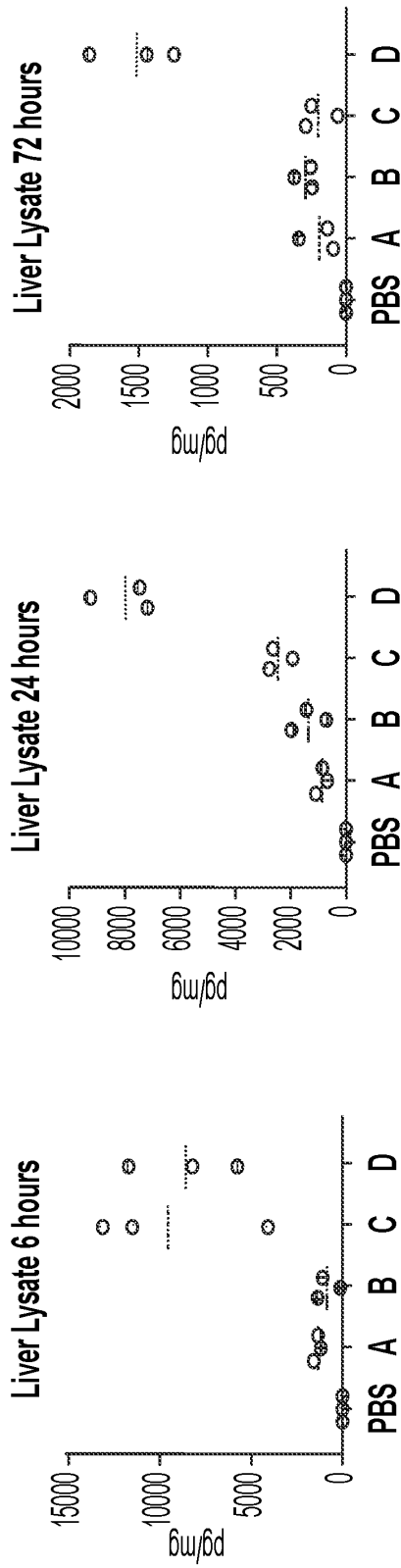


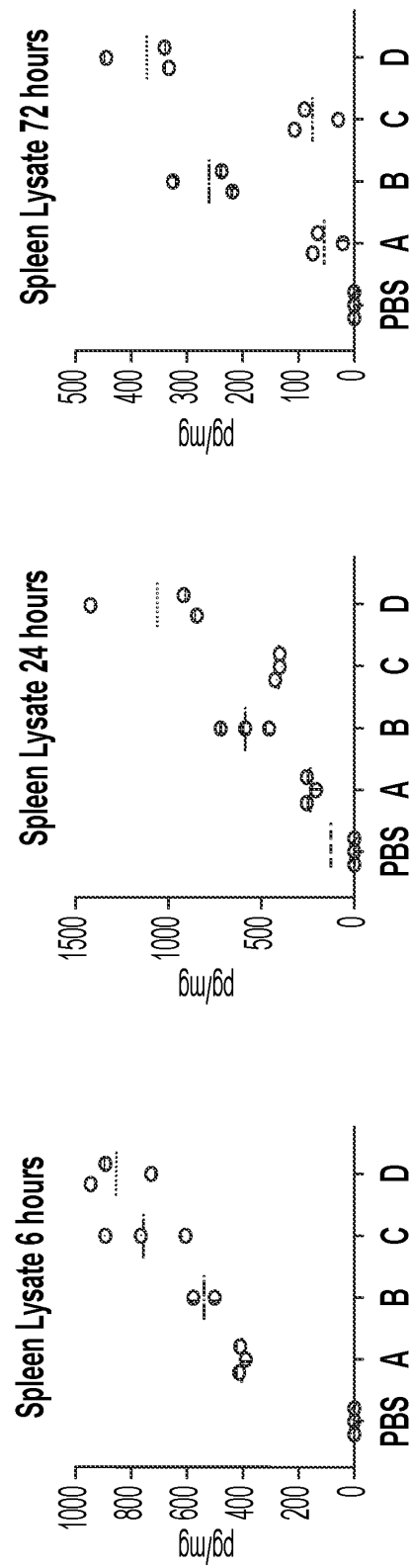
FIG. 26A

FIG. 26B



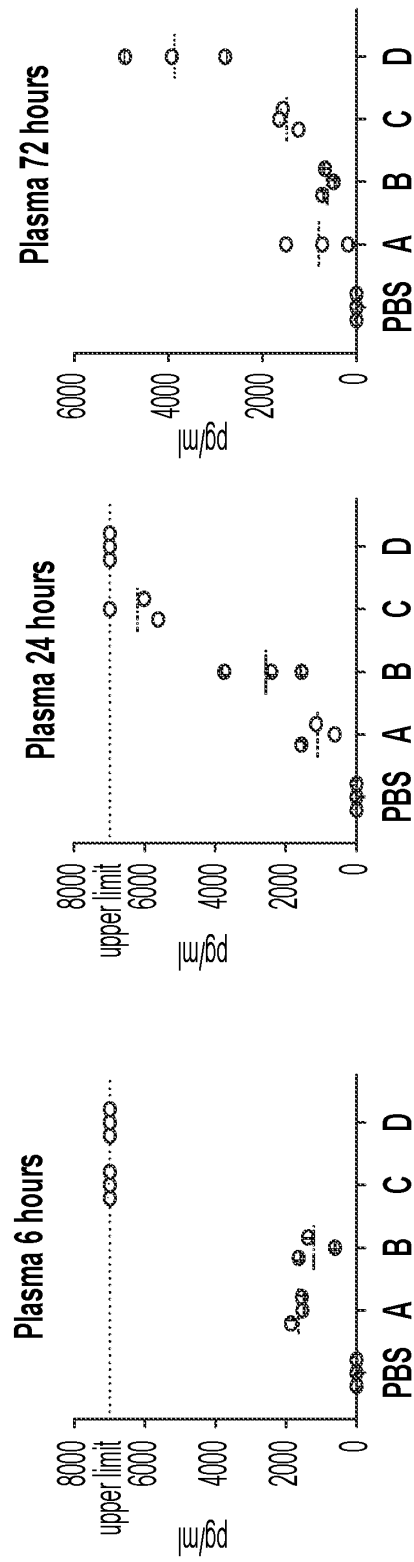
	A	B	C	D
5' UTR	A1	A1	A1	A1
Stop Element	C1	C1	C1	C1
idT Tail		X		X
Formulation	1	1	3	3

FIG. 27A



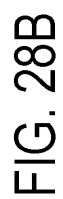
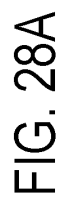
	A	B	C	D
5'UTR	A1	A1	A1	A1
Stop Element	C1	C1	C1	C1
idT Tail		X		X
Formulation	1	1	3	3

FIG. 27B



	A	B	C	D
5' UTR	A1	A1	A1	A1
Stop Element	C1	C1	C1	C1
idT Tail		X		X
Formulation	1	1	3	3

FIG. 27C



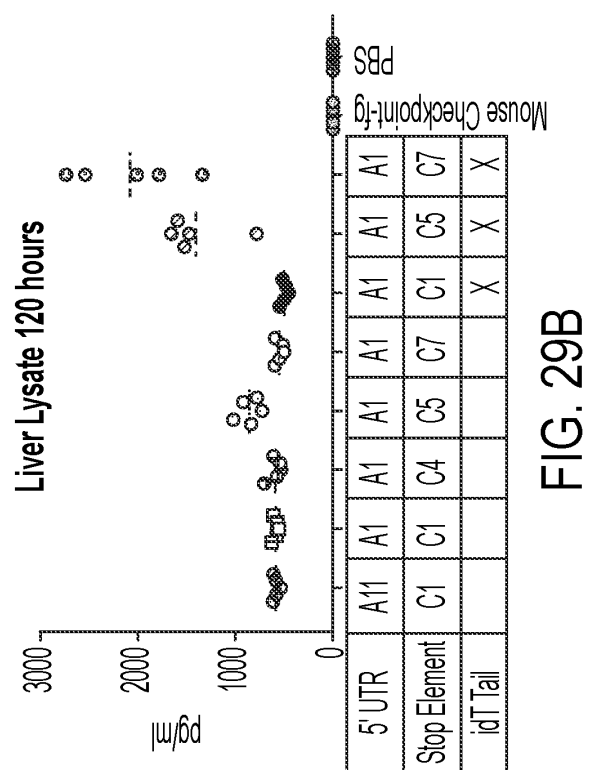


FIG. 29B

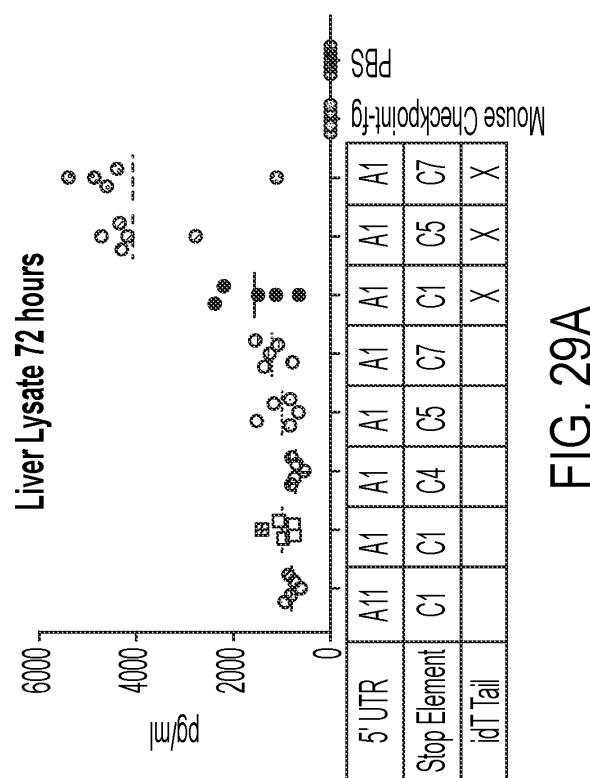
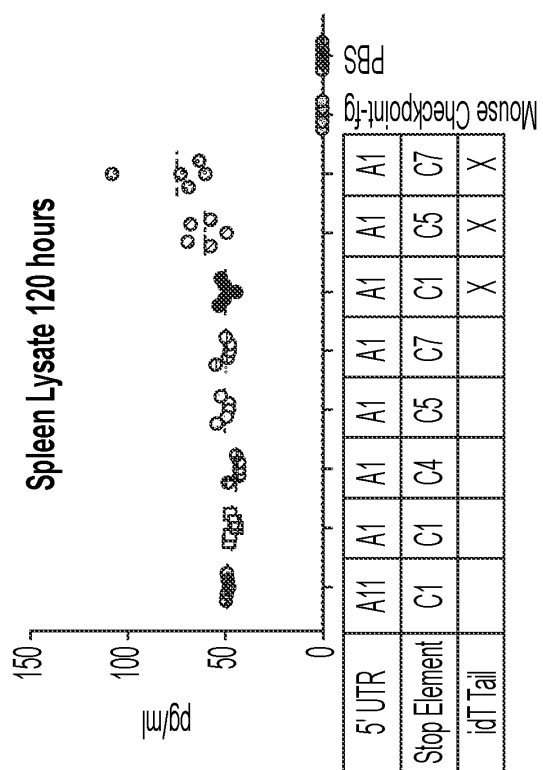
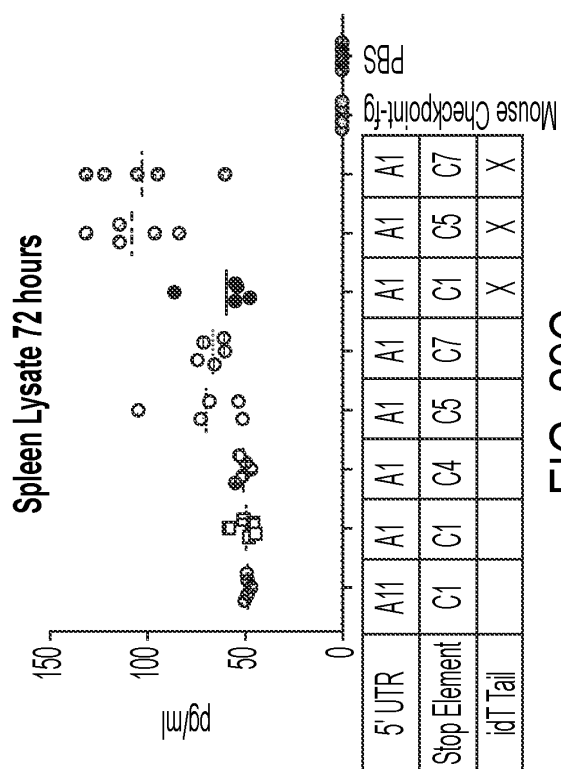


FIG. 29A



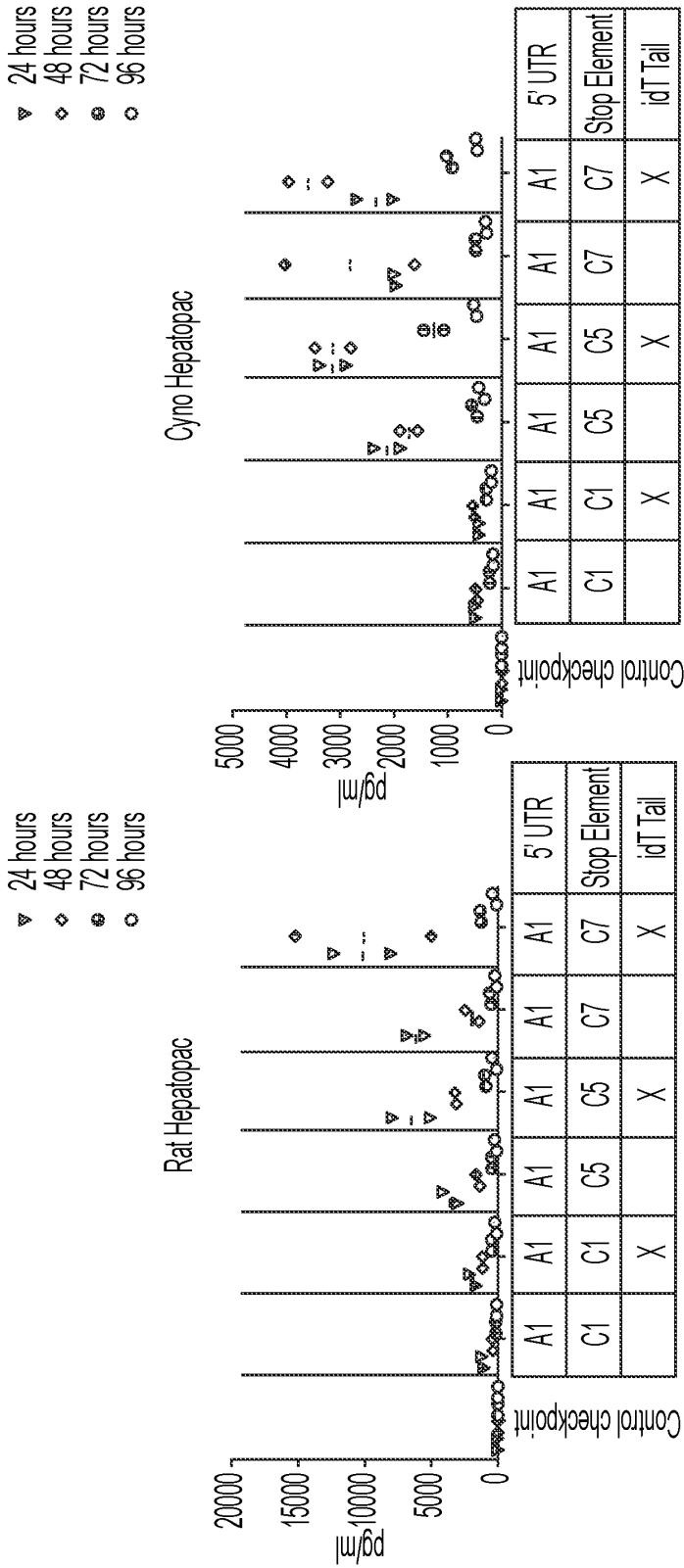


FIG. 30B

FIG. 30A

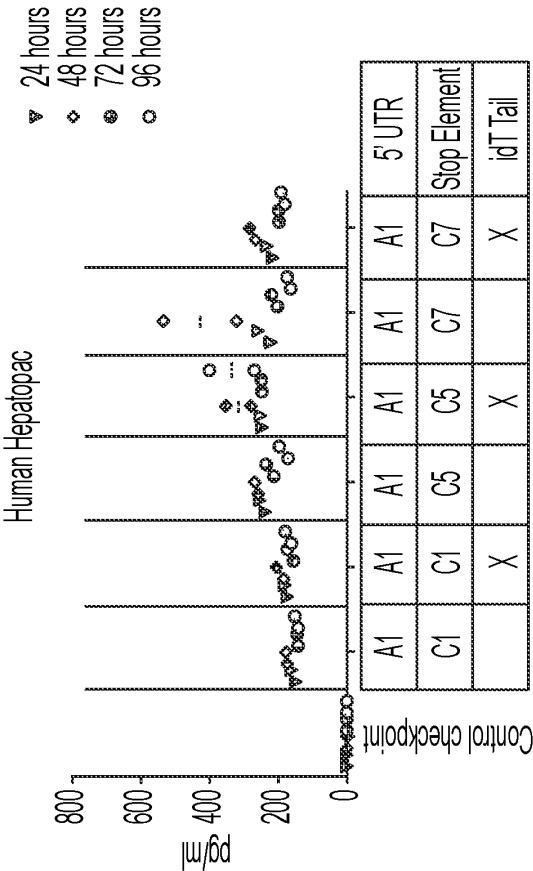
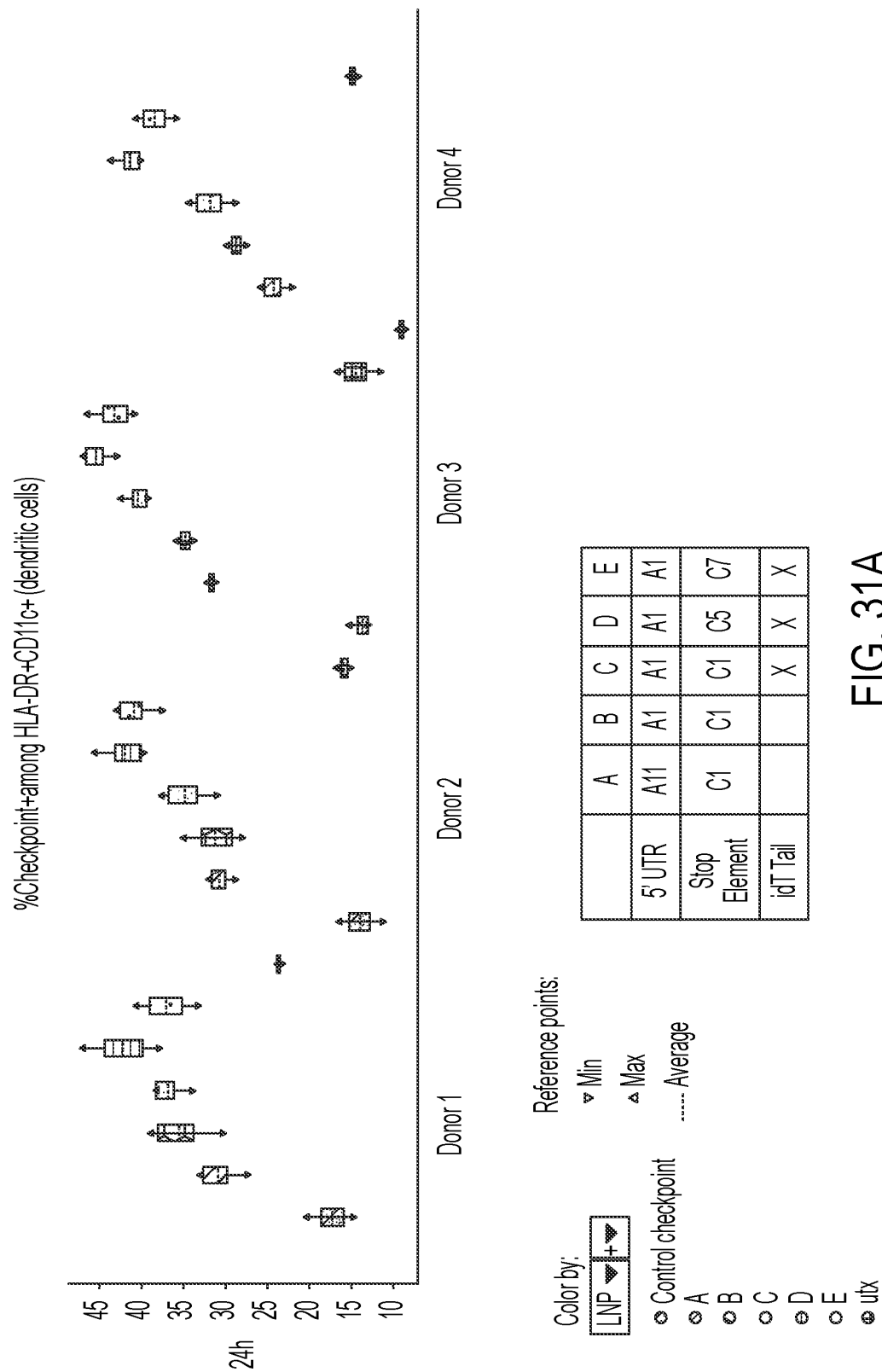


FIG. 30C



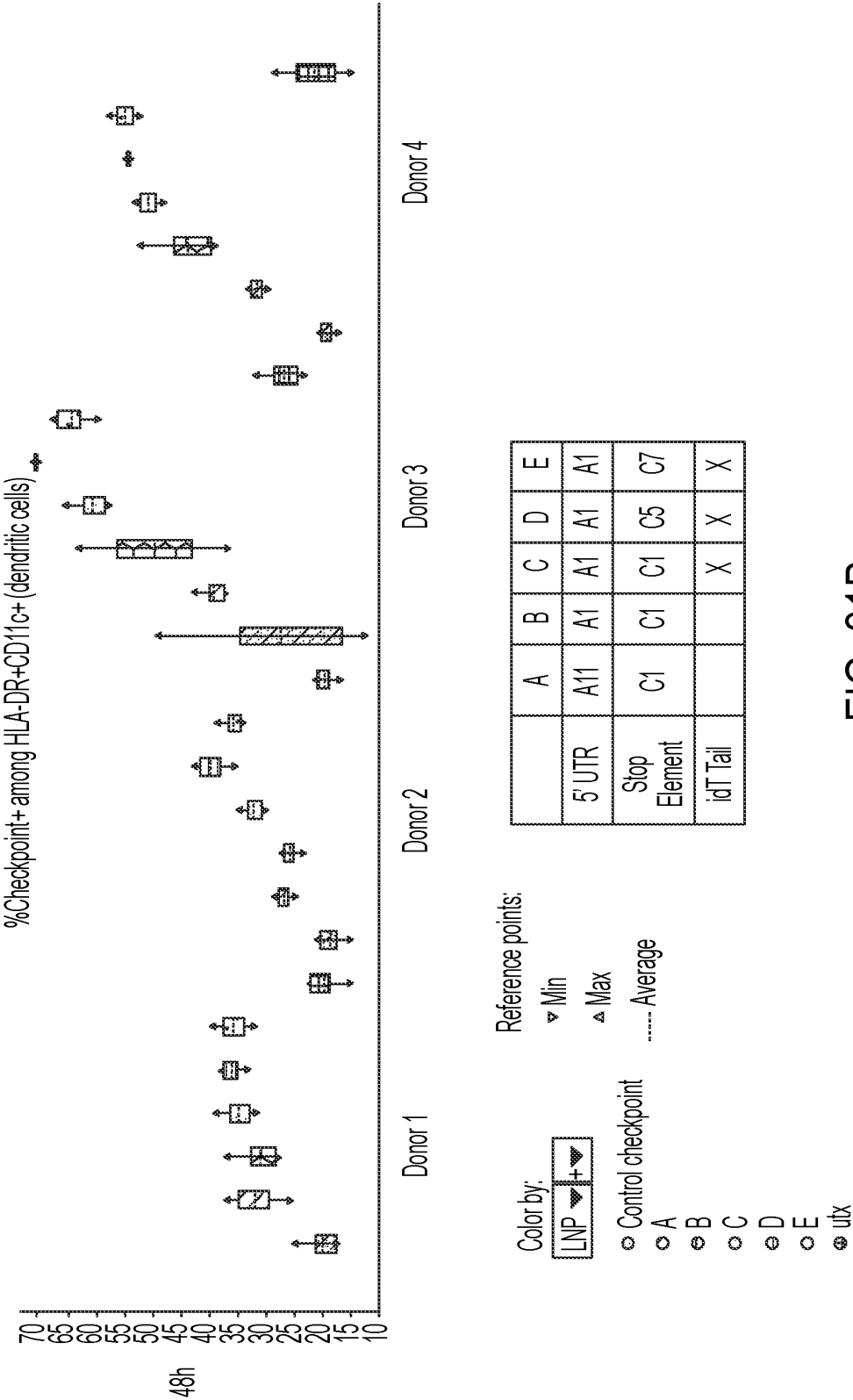


FIG. 31B

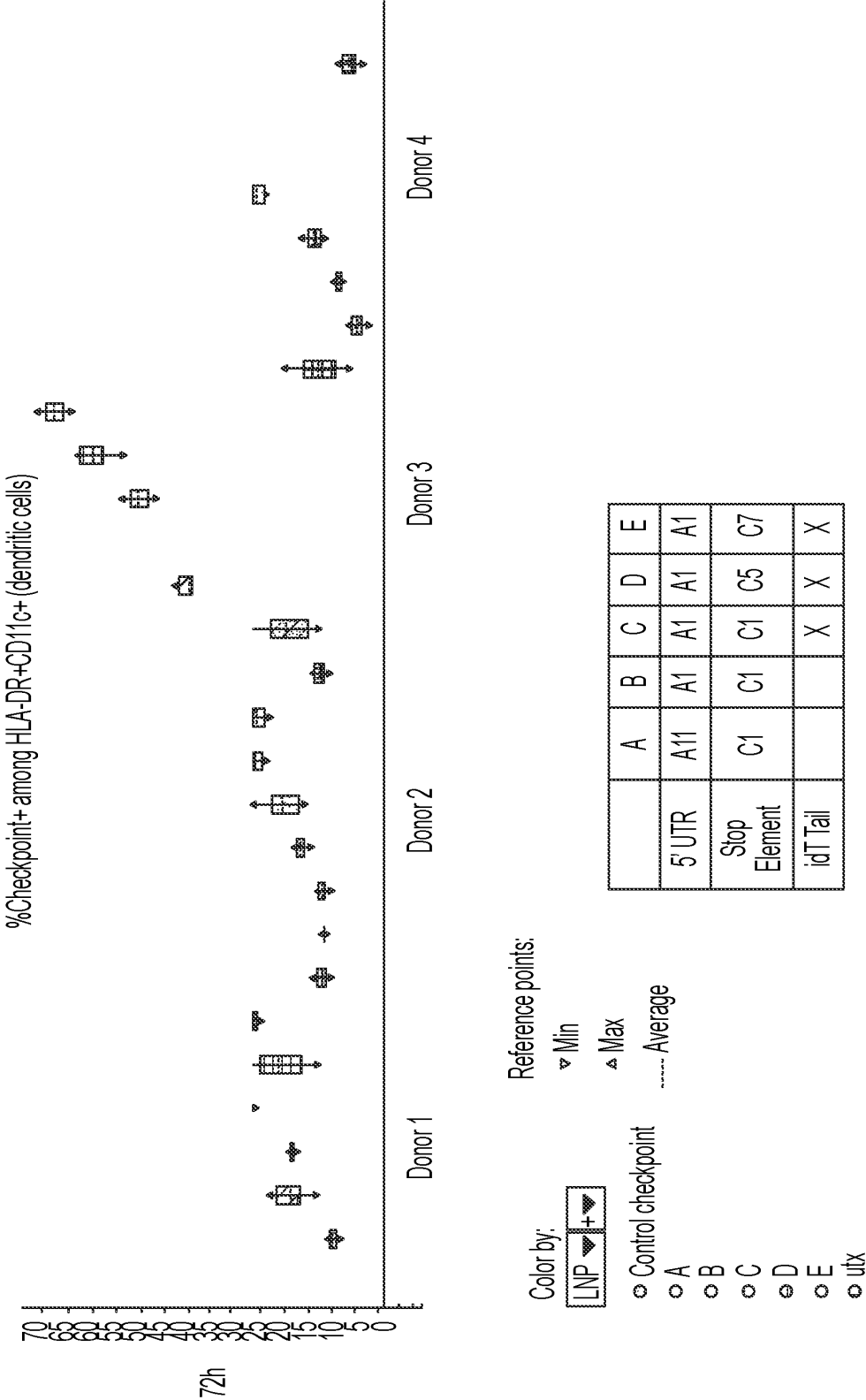


FIG. 31C

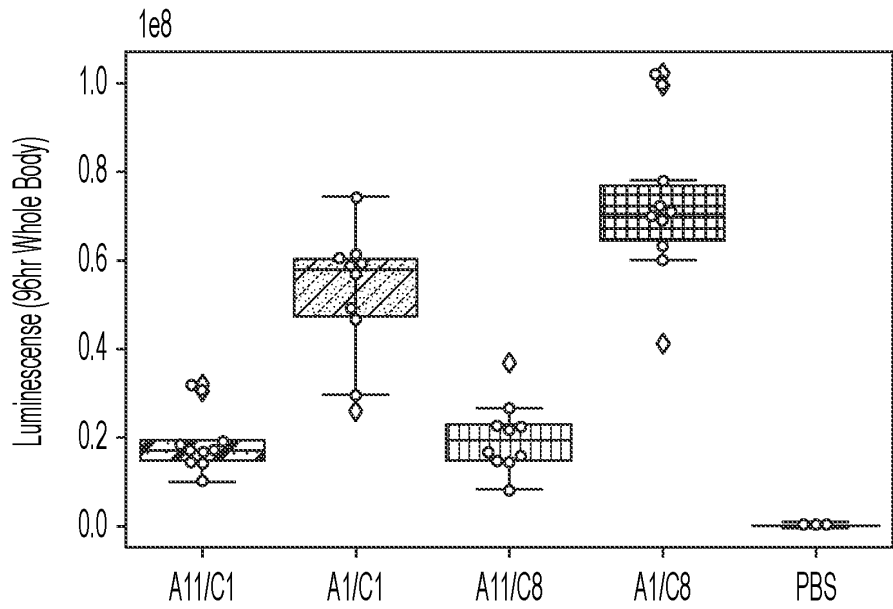


FIG. 32A

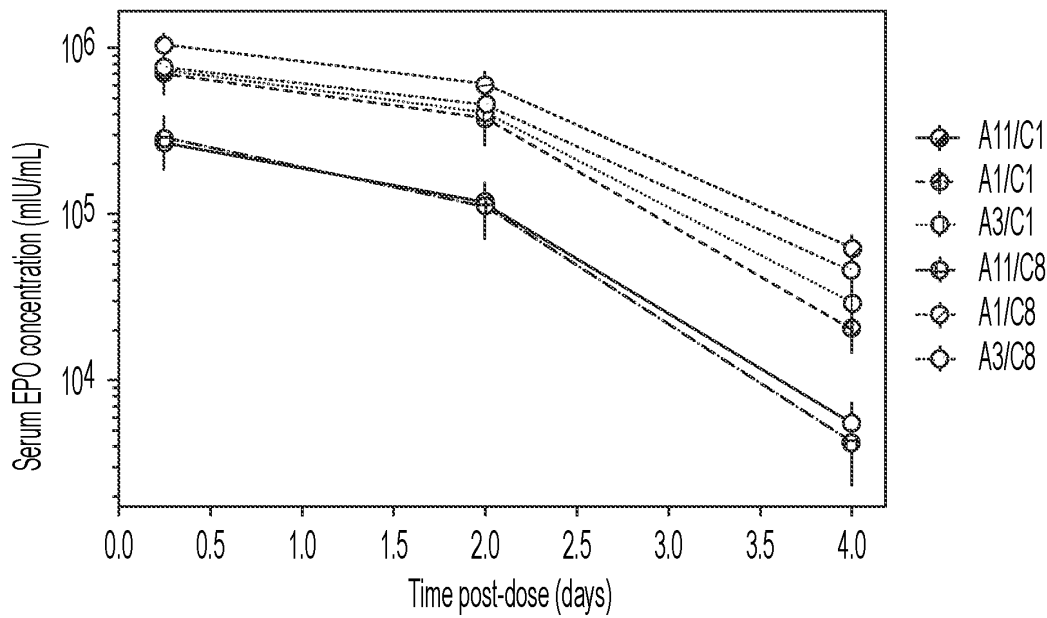


FIG. 32B

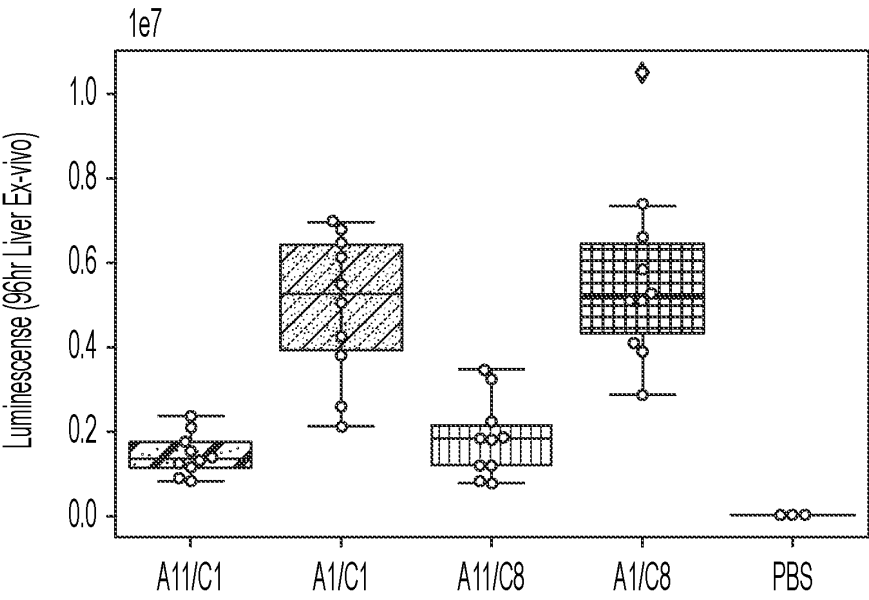


FIG. 32C

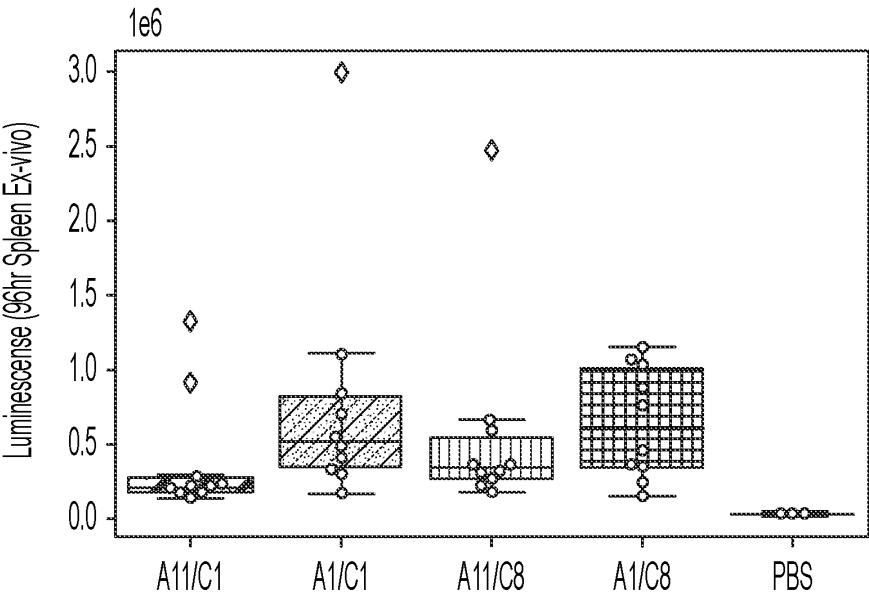


FIG. 32D

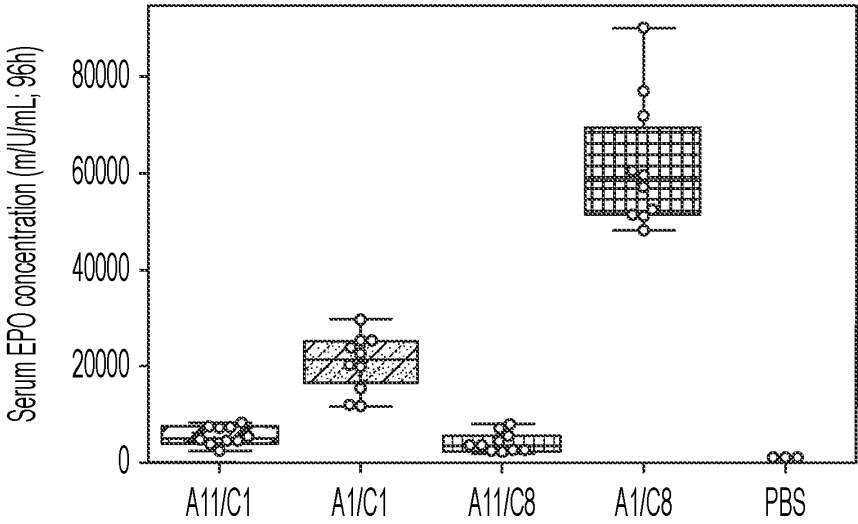


FIG. 32E

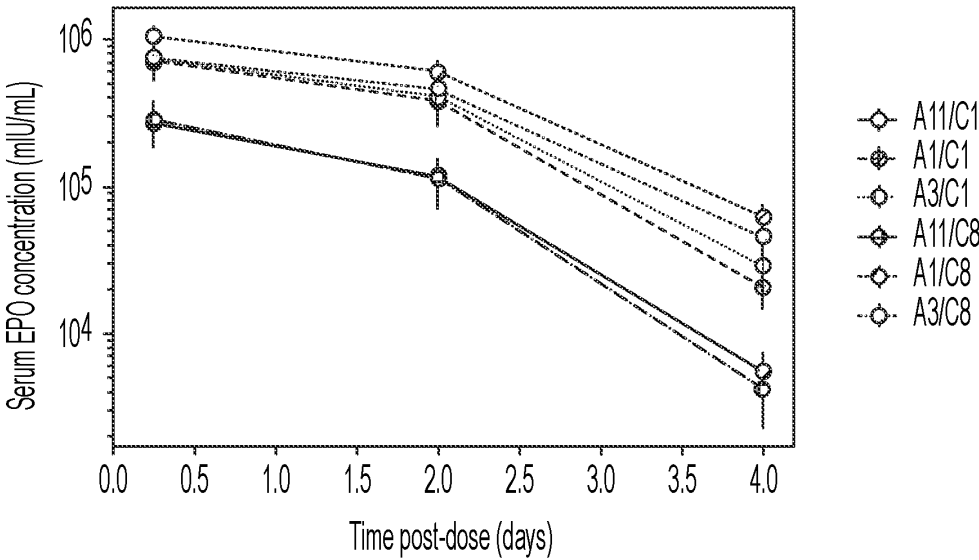


FIG. 32F

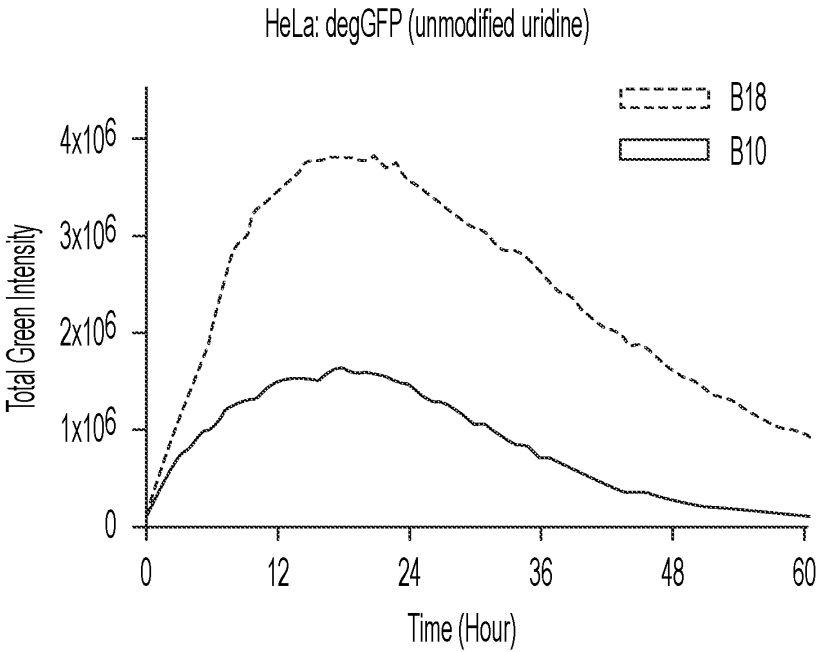


FIG. 33A

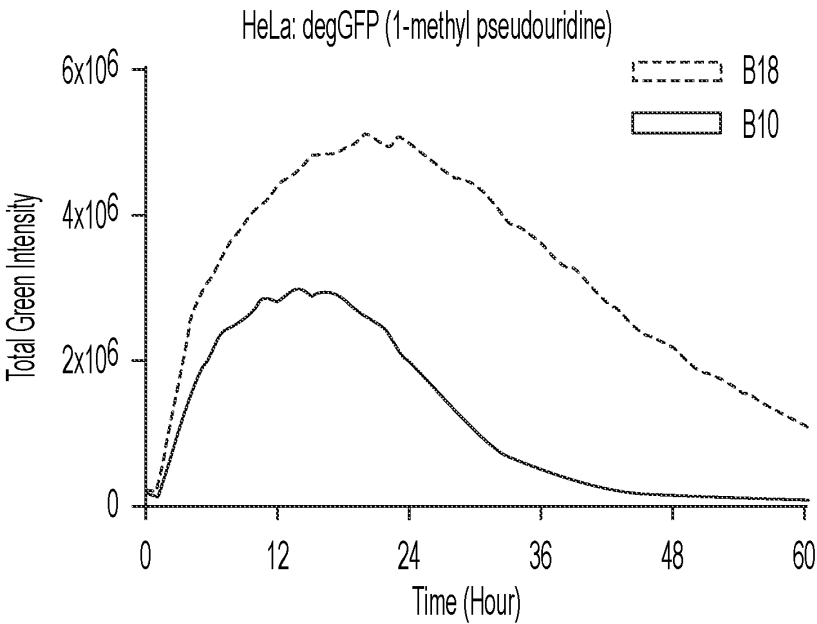


FIG. 33B

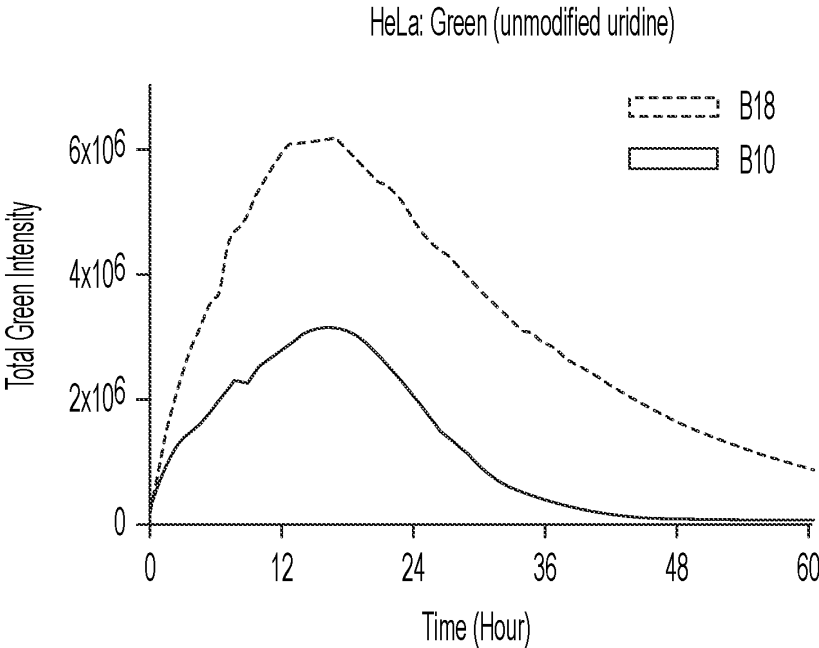


FIG. 33C

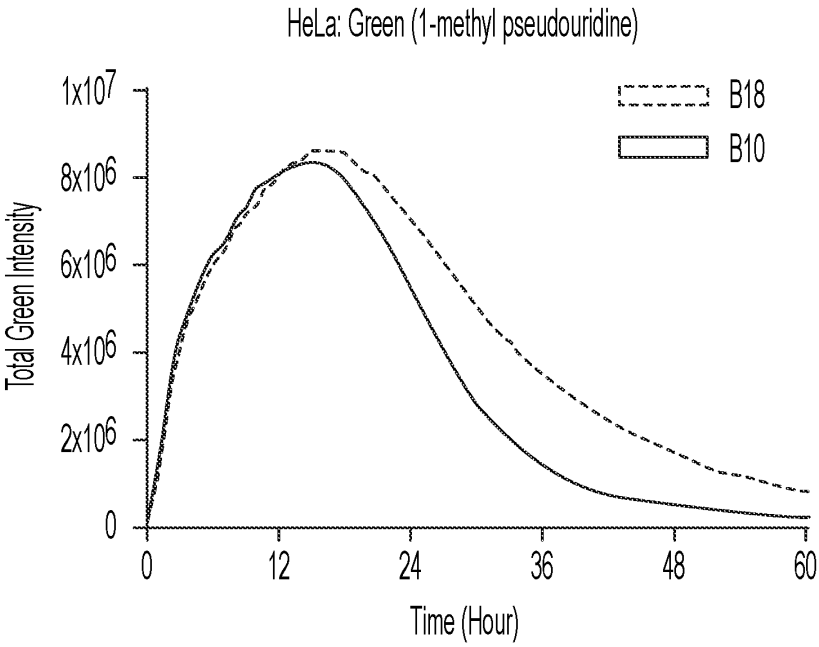


FIG. 33D

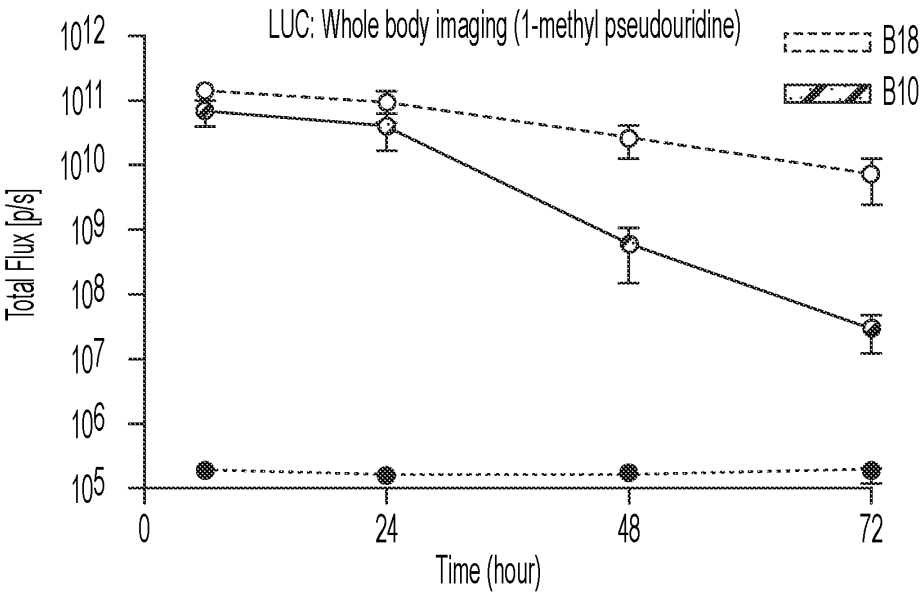


FIG. 34A

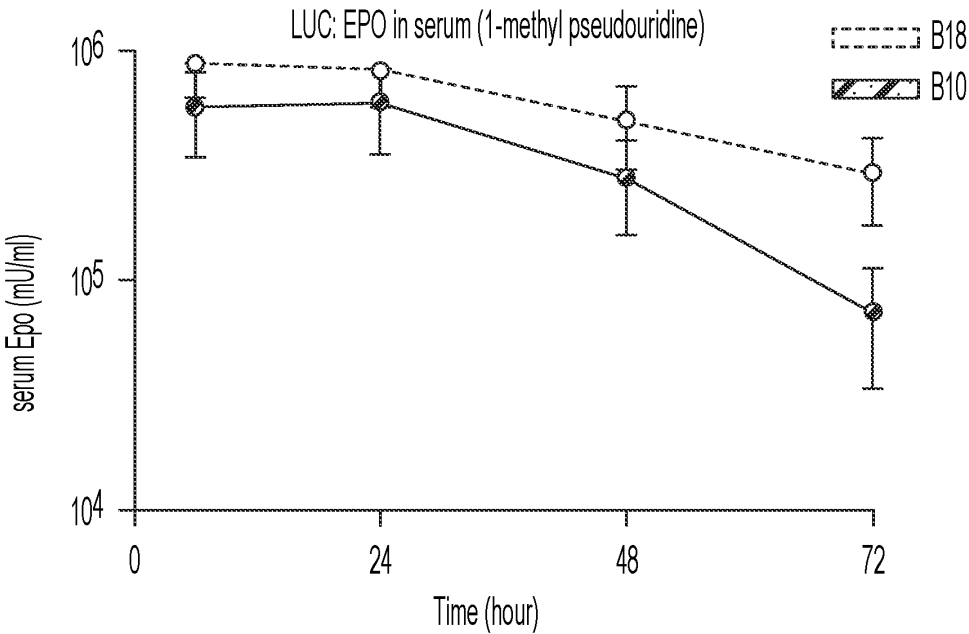


FIG. 34B

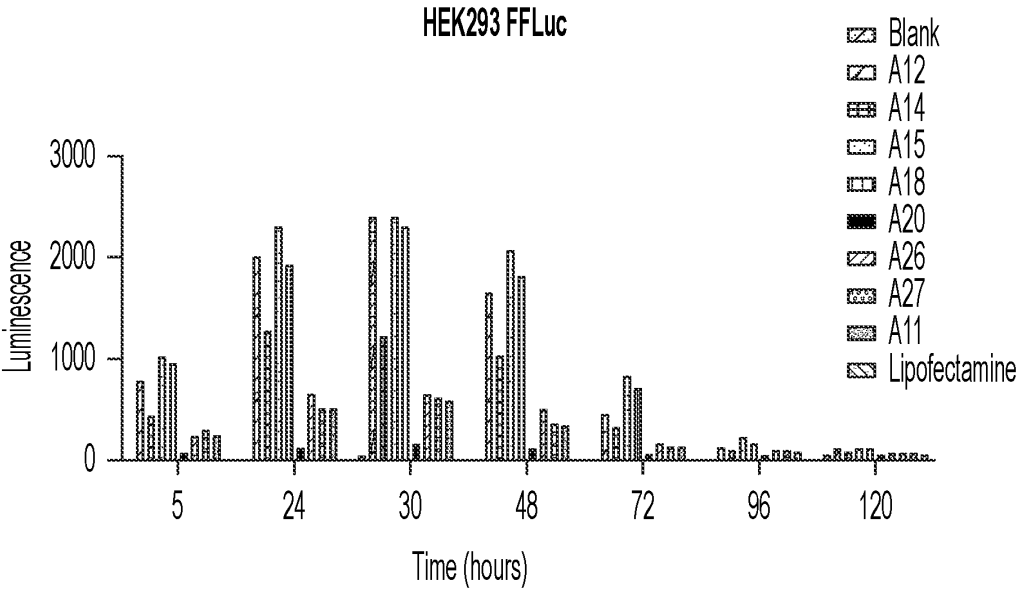


FIG. 35A

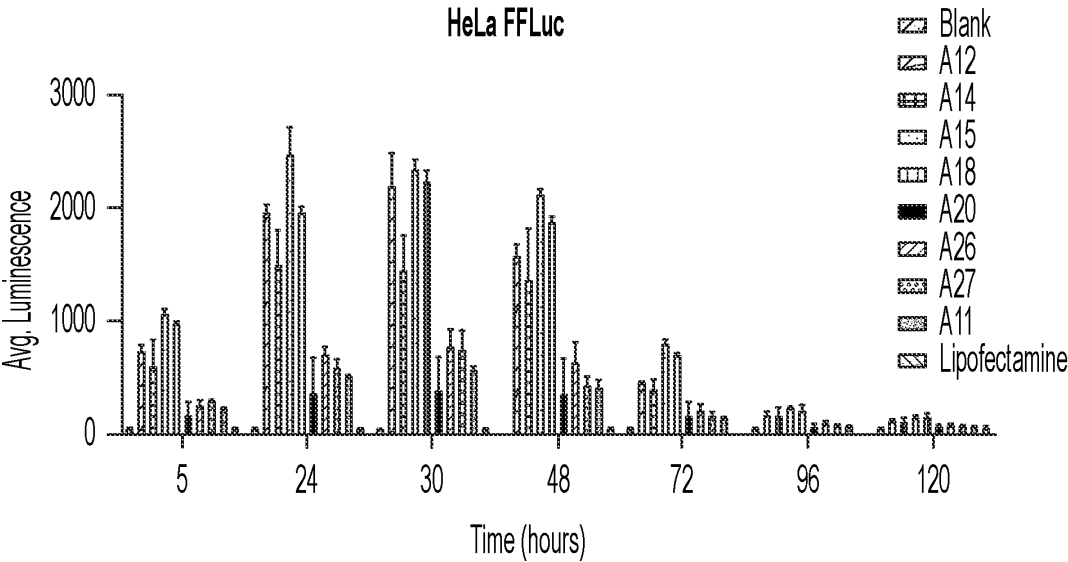
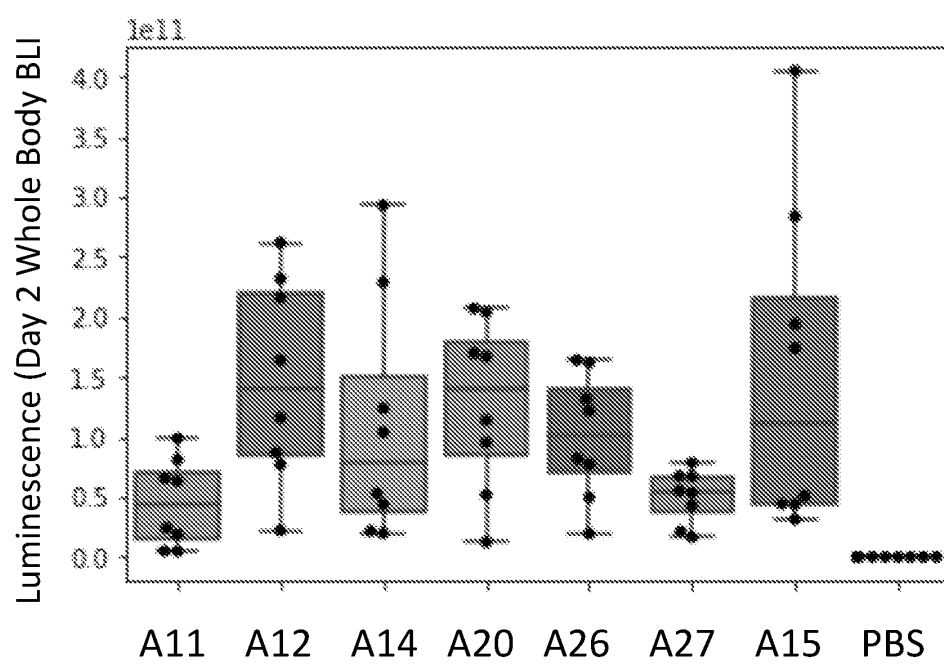


FIG. 35B

**FIG. 36A**

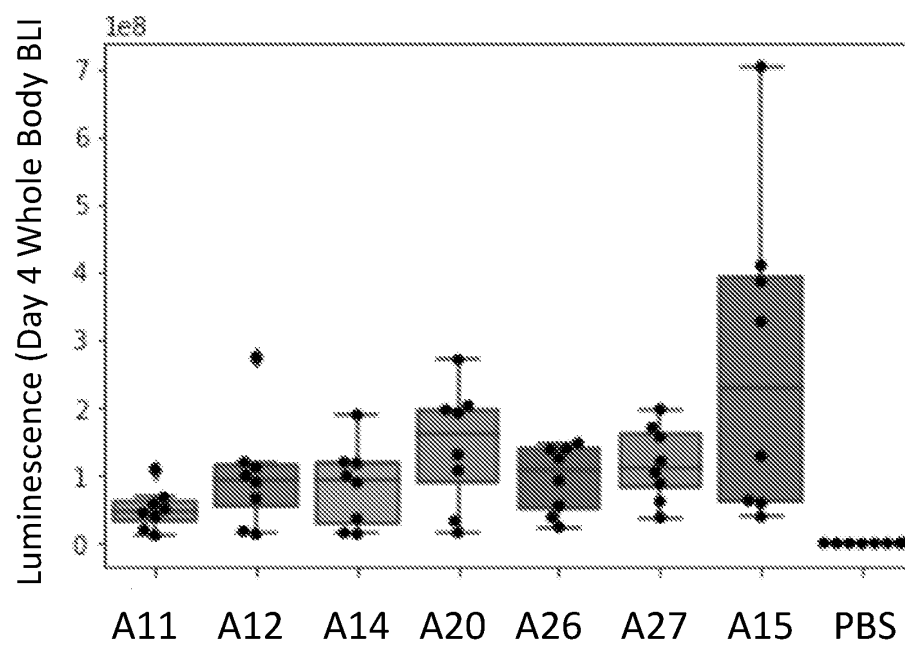


FIG. 36B

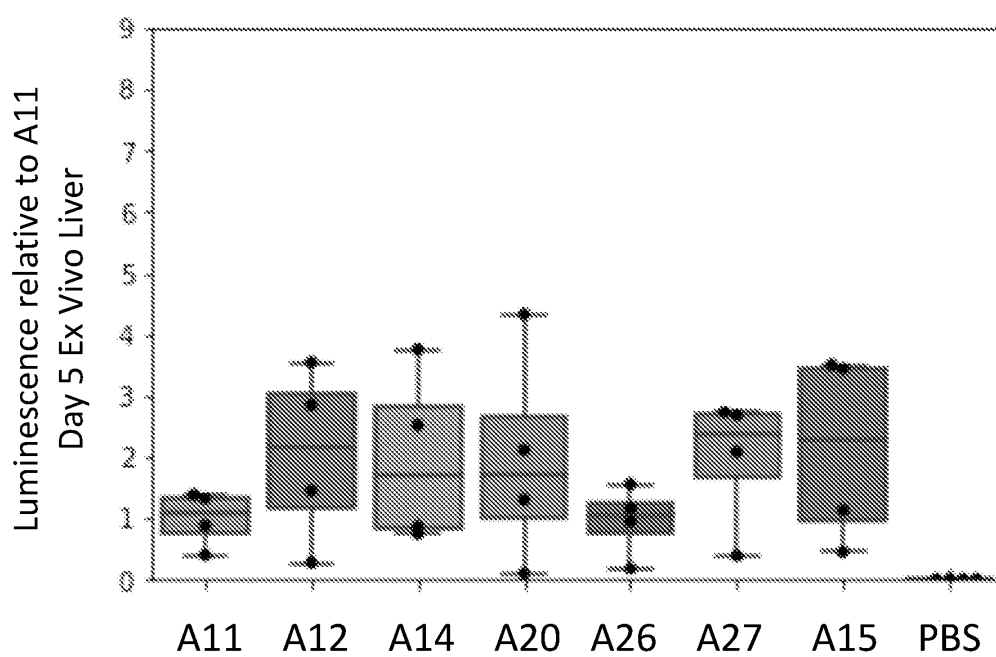


FIG. 36C

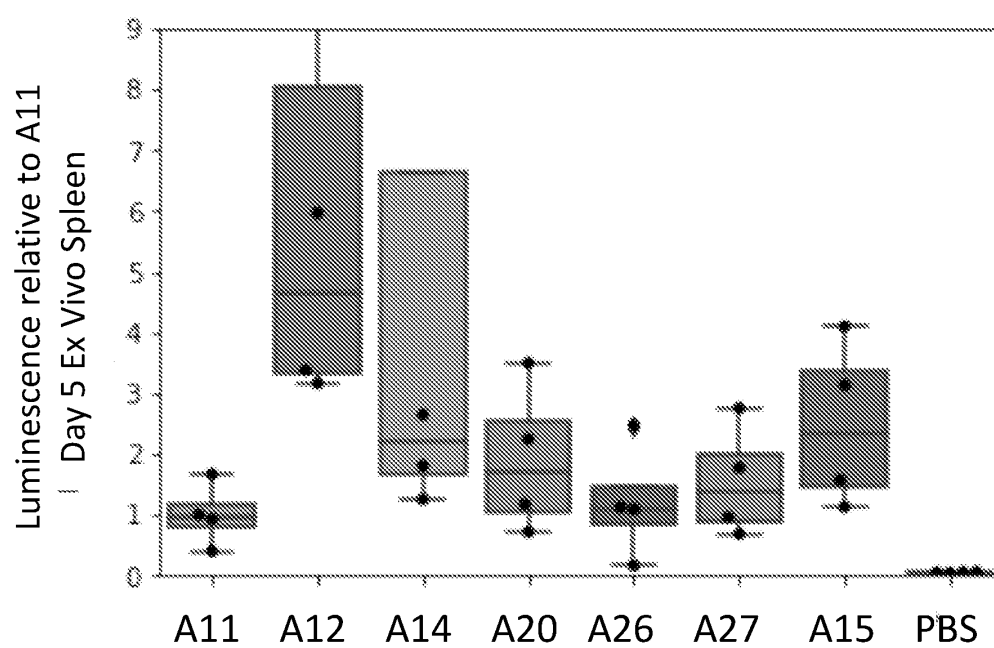


FIG. 36D