

FIG. 1

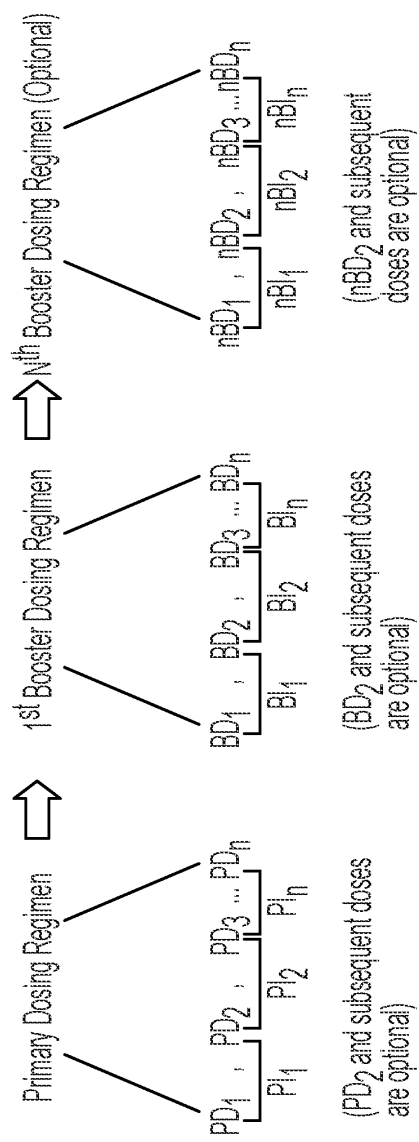


FIG. 2

[RBD]
Wuhan WT strain
VOD ALPHA
VOC DELTA
VOC OMICRON BA.1
VOC OMICRON BA.2
VOC OMICRON BA.4/5
301 CTLKSTVEKGIQTSNFRVQPTESIVRPNITILCPFDVFNATRSV
301 CTLKSTVEKGIQTSNFRVQPTESIVRPNITILCPFDVFNATRSV
301 CTLKSTVEKGIQTSNFRVQPTESIVRPNITILCPFDVFNATRSV
301 CTLKSTVEKGIQTSNFRVQPTESIVRPNITILCPFDVFNATRSV
301 CTLKSTVEKGIQTSNFRVQPTESIVRPNITILCPFDVFNATRSV
351 YAMRRLISNCVADYSVLYNLAZPTTFKCYGVSPTKINDICFTWVADSF
351 YAMRRLISNCVADYSVLYNLAZPTTFKCYGVSPTKINDICFTWVADSF
351 YAMRRLISNCVADYSVLYNLAZPTTFKCYGVSPTKINDICFTWVADSF
351 YAMRRLISNCVADYSVLYNLAZPTTFKCYGVSPTKINDICFTWVADSF
351 YAMRRLISNCVADYSVLYNLAZPTTFKCYGVSPTKINDICFTWVADSF
401 VIRGDEVKQIAPQTCGMADYNWYKLEDDETGCVLANNISKLDSKVGCMYN
401 VIRGDEVKQIAPQTCGMADYNWYKLEDDETGCVLANNISKLDSKVGCMYN
401 VIRGDEVKQIAPQTCGMADYNWYKLEDDETGCVLANNISKLDSKVGCMYN
401 VIRGDEVKQIAPQTCGMADYNWYKLEDDETGCVLANNISKLDSKVGCMYN
401 VIRGDEVKQIAPQTCGMADYNWYKLEDDETGCVLANNISKLDSKVGCMYN
451 YLYRLPRKSNLIPFERDISEITLQAGKPKGVAAGVNCYIFPLQSIGKPT
451 YLYRLPRKSNLIPFERDISEITLQAGKPKGVAAGVNCYIFPLQSIGKPT
451 YLYRLPRKSNLIPFERDISEITLQAGKPKGVAAGVNCYIFPLQSIGKPT
451 YLYRLPRKSNLIPFERDISEITLQAGKPKGVAAGVNCYIFPLQSIGKPT
451 YLYRLPRKSNLIPFERDISEITLQAGKPKGVAAGVNCYIFPLQSIGKPT
501 YGVCHQPYRVVLSFEELHAPATVCCPKASINLVAKKCVNFVNLGLTGTG
501 YGVCHQPYRVVLSFEELHAPATVCCPKASINLVAKKCVNFVNLGLTGTG
501 YGVCHQPYRVVLSFEELHAPATVCCPKASINLVAKKCVNFVNLGLTGTG
501 YGVCHQPYRVVLSFEELHAPATVCCPKASINLVAKKCVNFVNLGLTGTG
501 YGVCHQPYRVVLSFEELHAPATVCCPKASINLVAKKCVNFVNLGLTGTG

FIG. 3

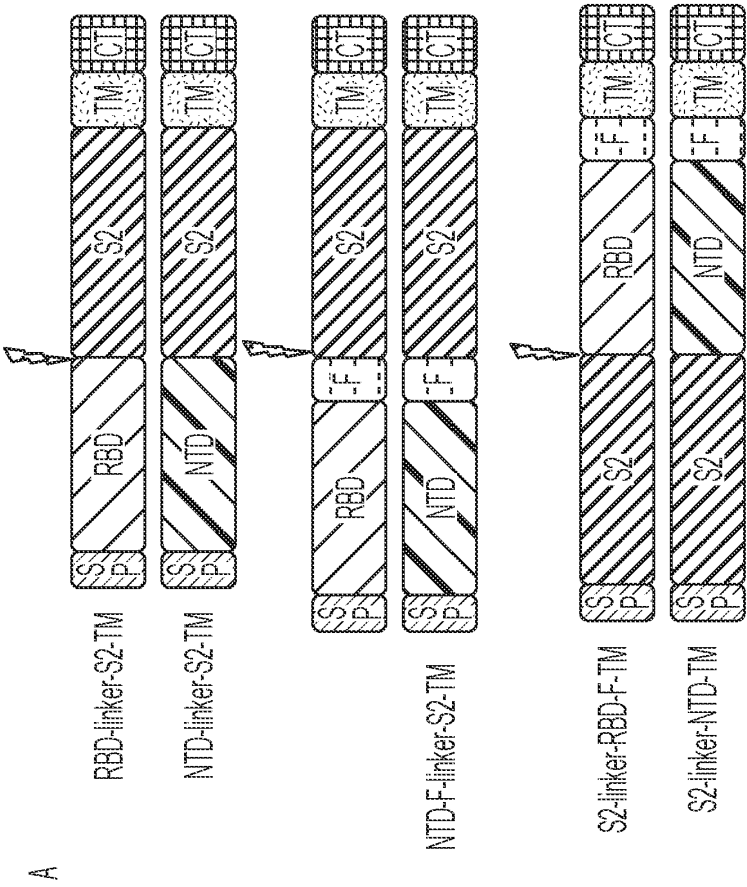
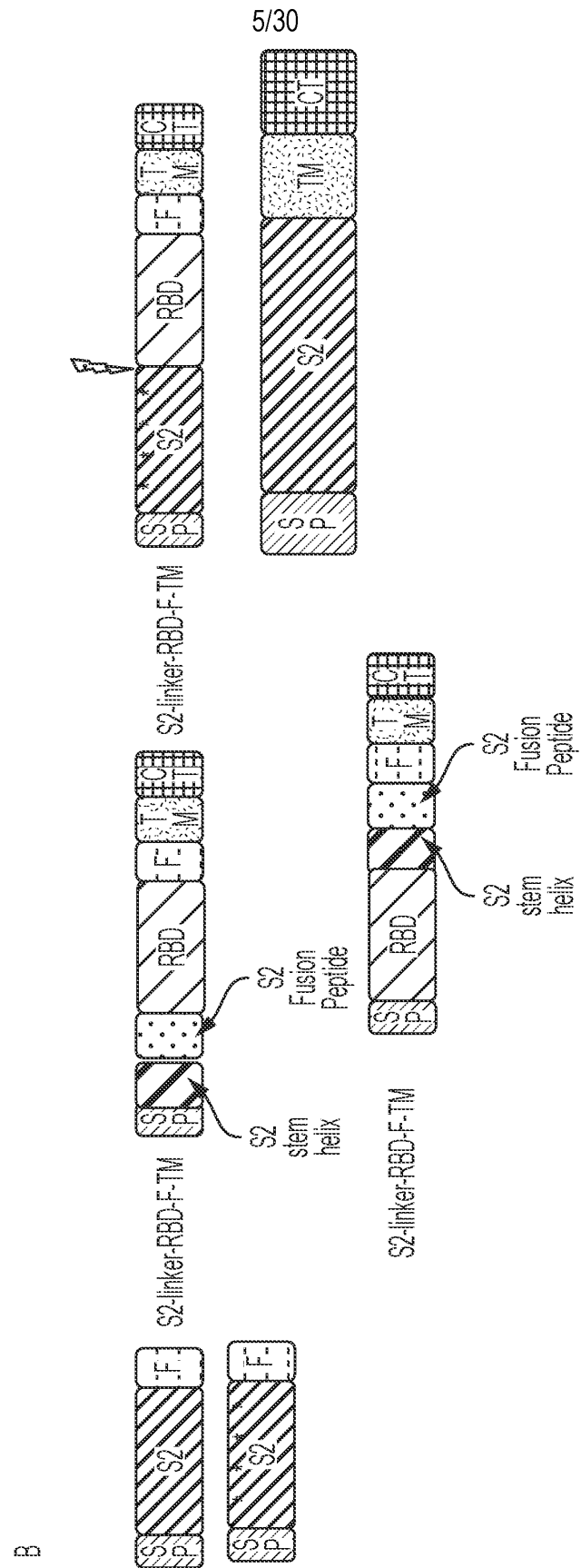


FIG. 4

FIG. 4
CONTINUED

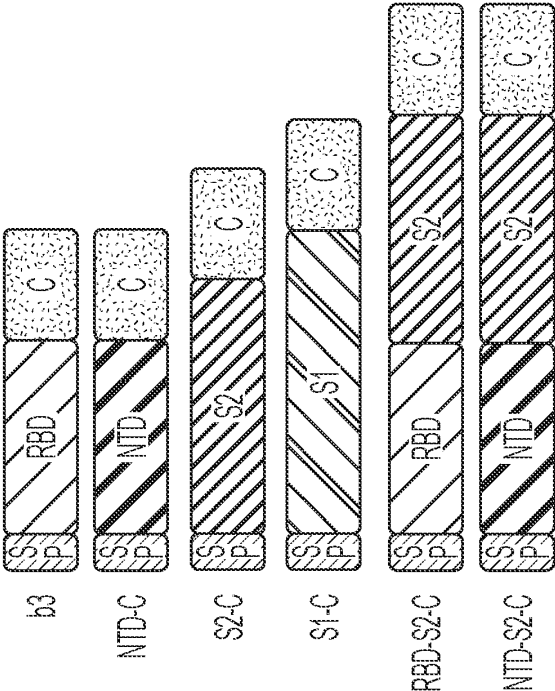


FIG. 5

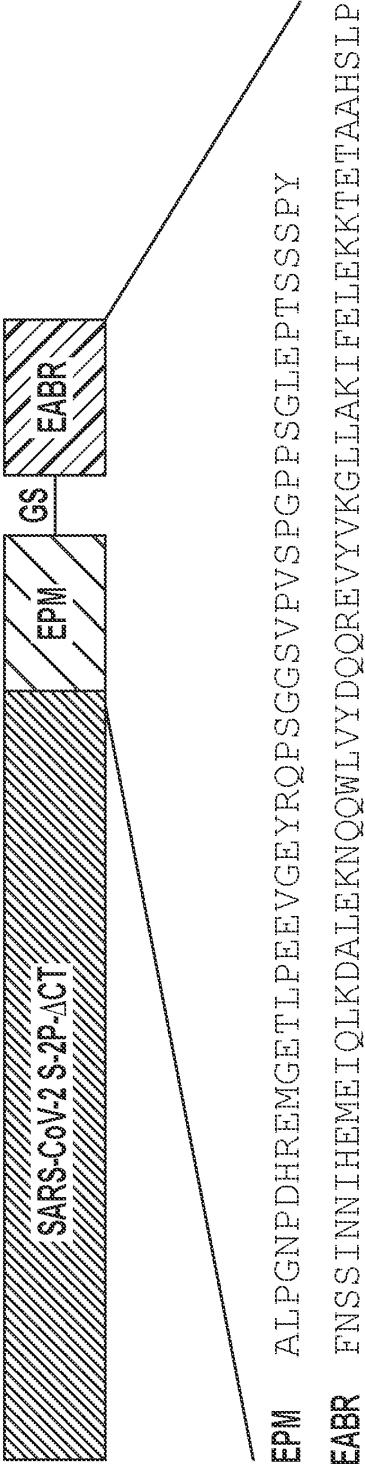


FIG. 6

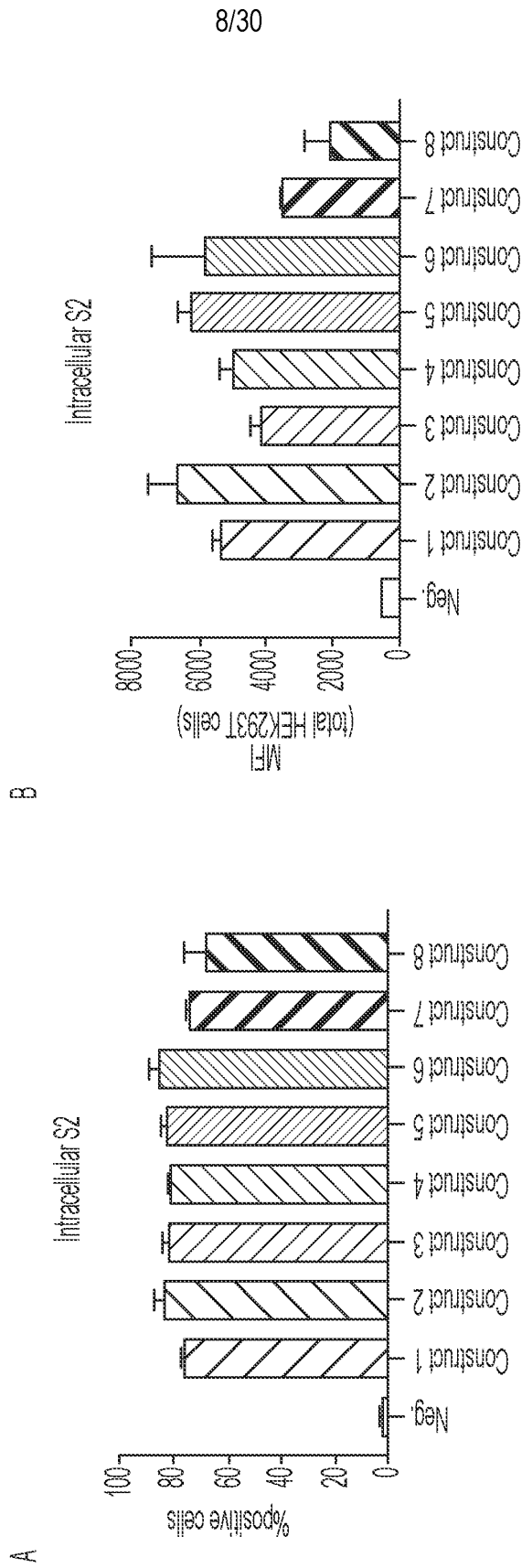


FIG. 7

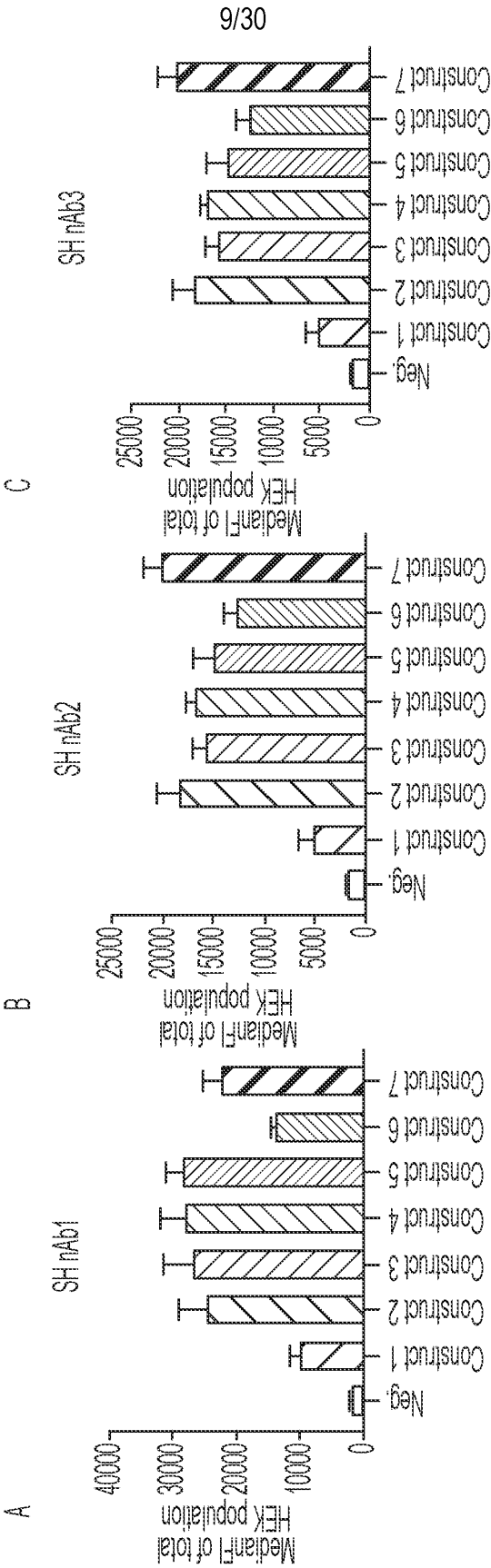


FIG. 8

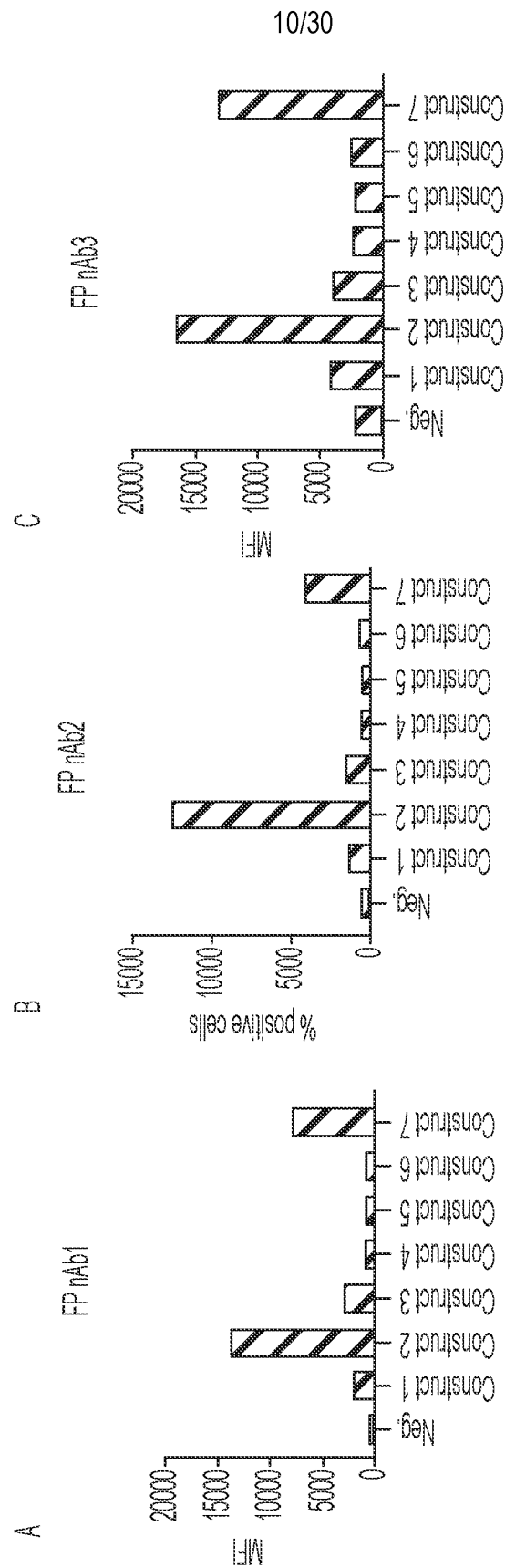


FIG. 9

11/30

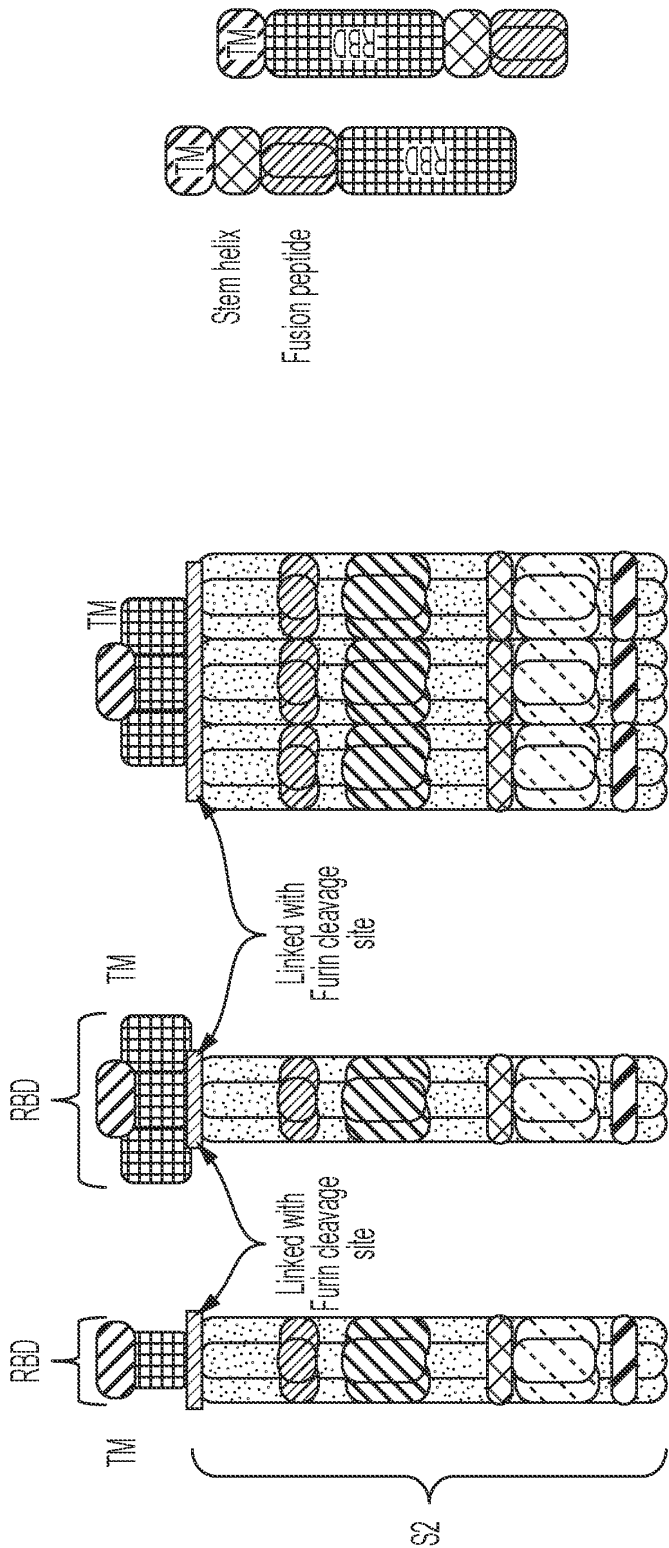


FIG. 10

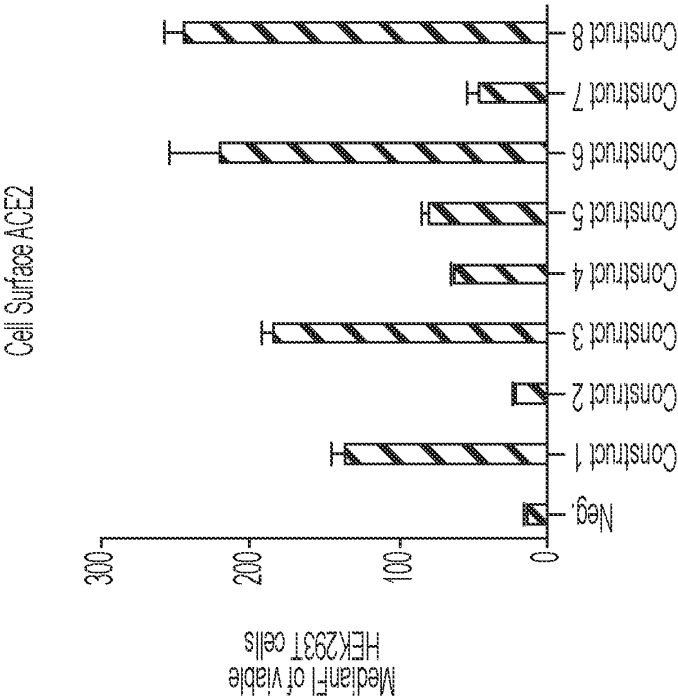


FIG. 11

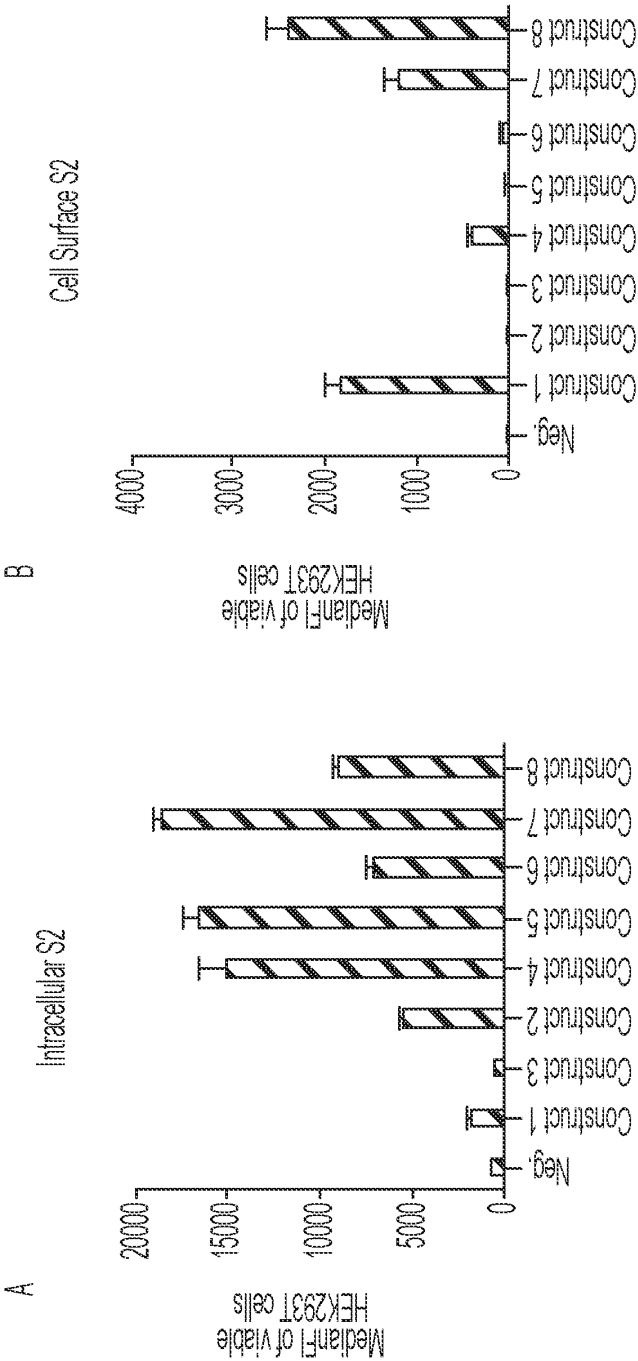


FIG. 12

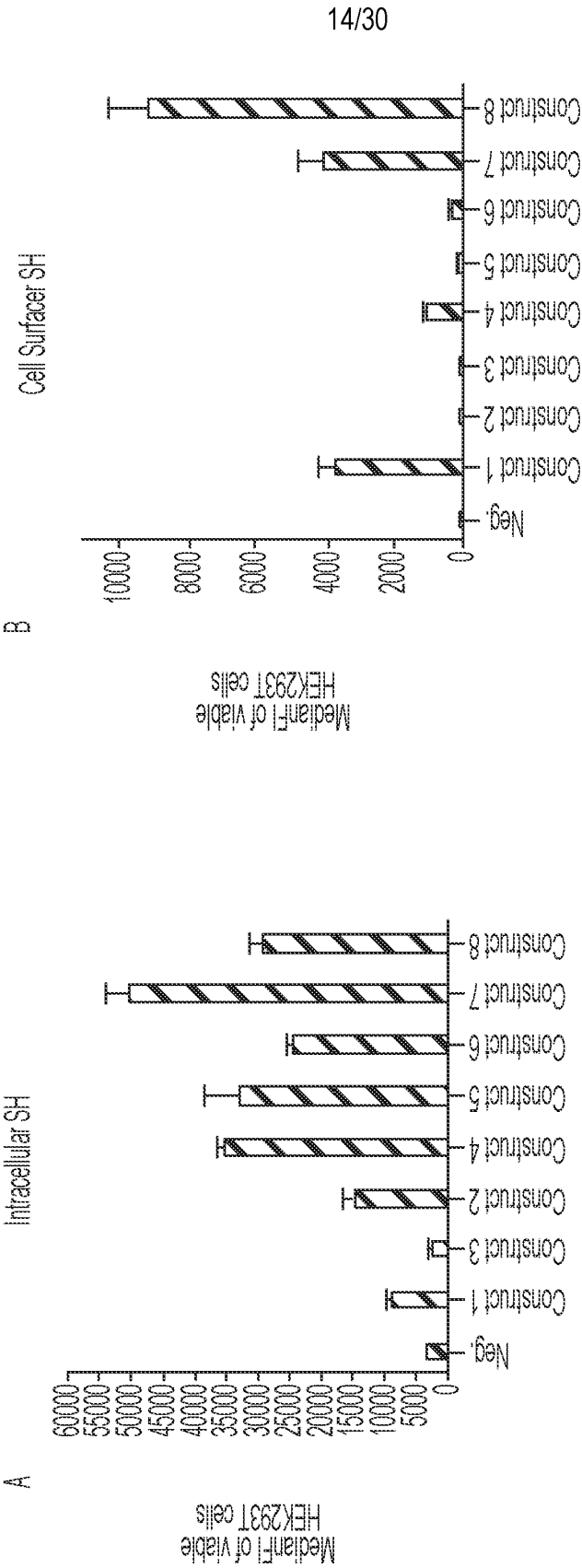


FIG. 13

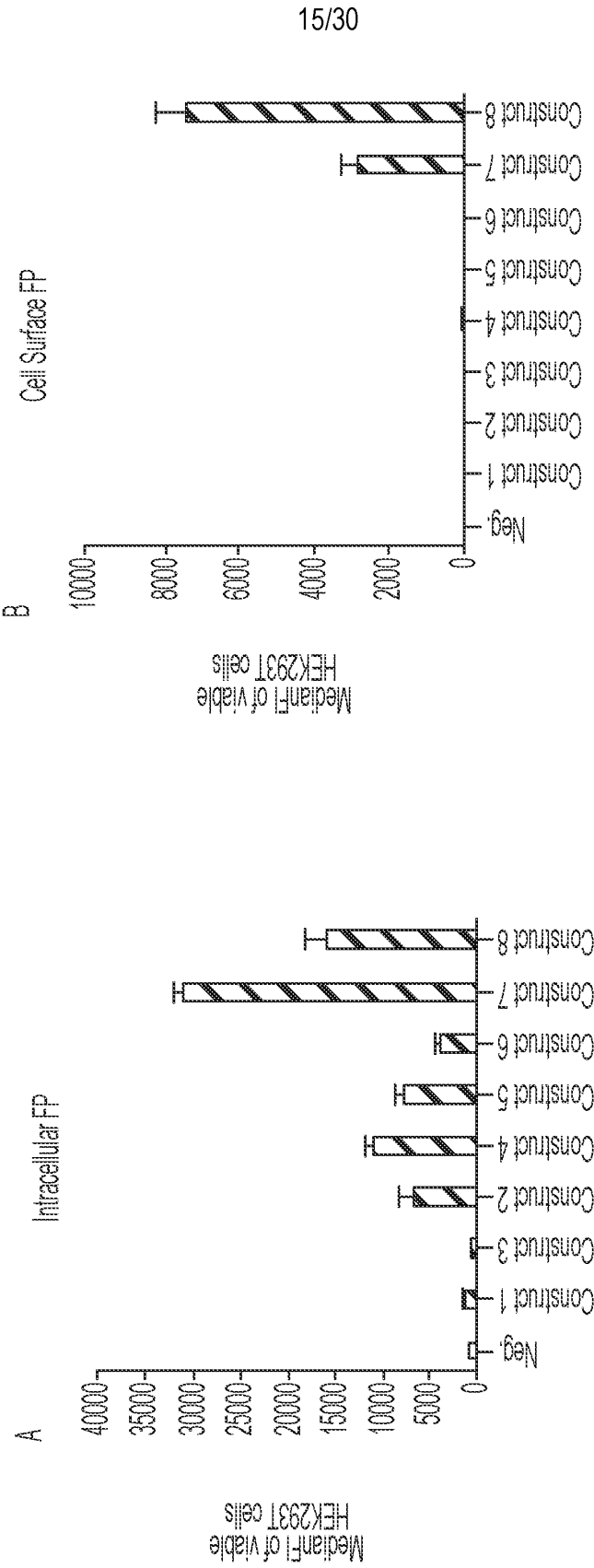
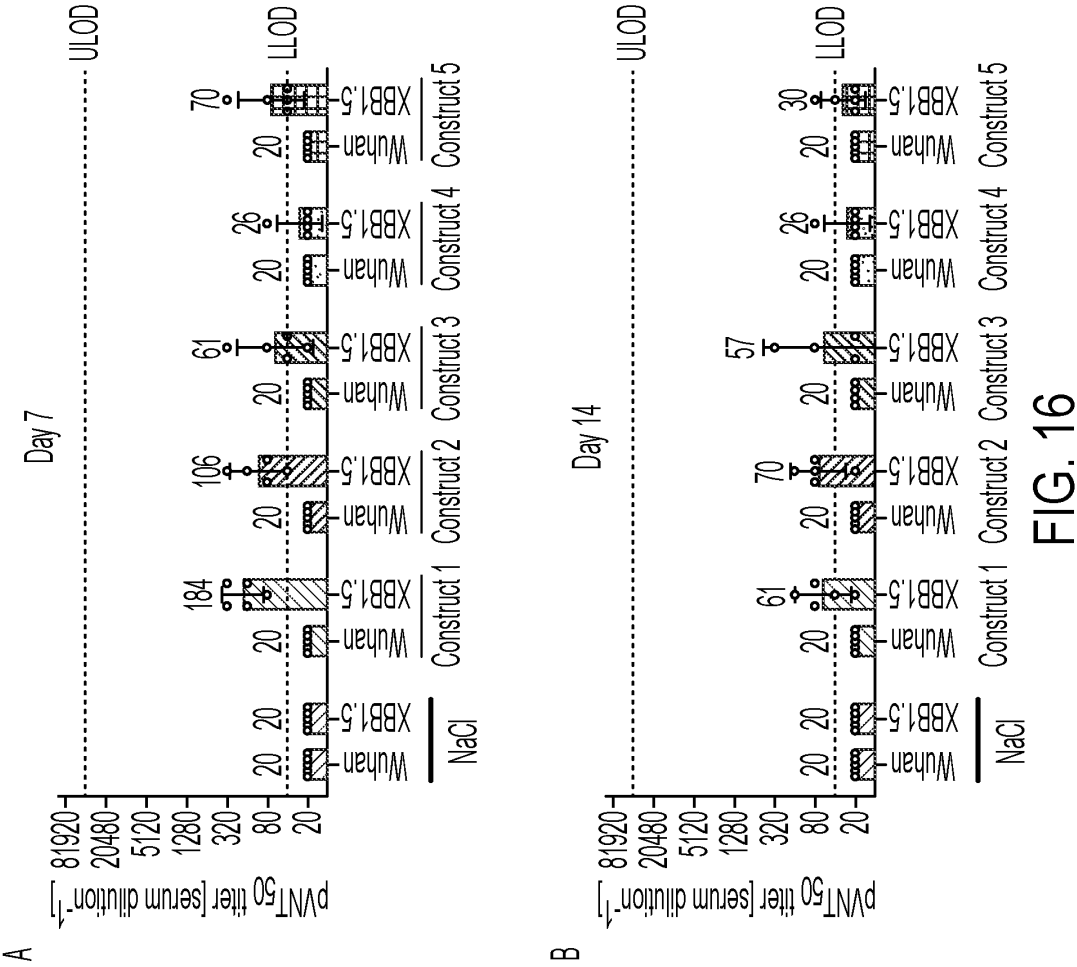


FIG. 14

size (n=X)	Description		-x	0	7,14,21,34	21	34
5	1	Buffer 0.9% NaCl	*				
5	2	Construct 1: (FL S Protein(XBB.1.5)) (1ug)	*				
5	3	Construct 2: RBD(XBB.1.5)-Fib-TMD (1ug)	*				
5	4	Construct 3: S2(Wuhan)-fib-RBD(XBB.1.5)-fib (1ug)	*				
5	5	Construct 4: SH-FP-RBD(XBB.1.5)-TM (1ug)	*				
5	6	Construct 5: -TM-RBD-SH-FP (1ug)					

FIG. 15



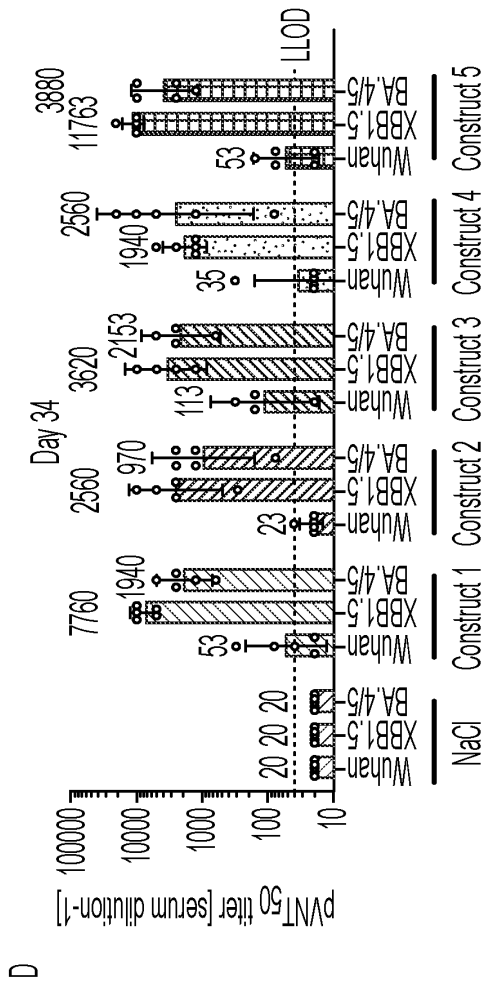
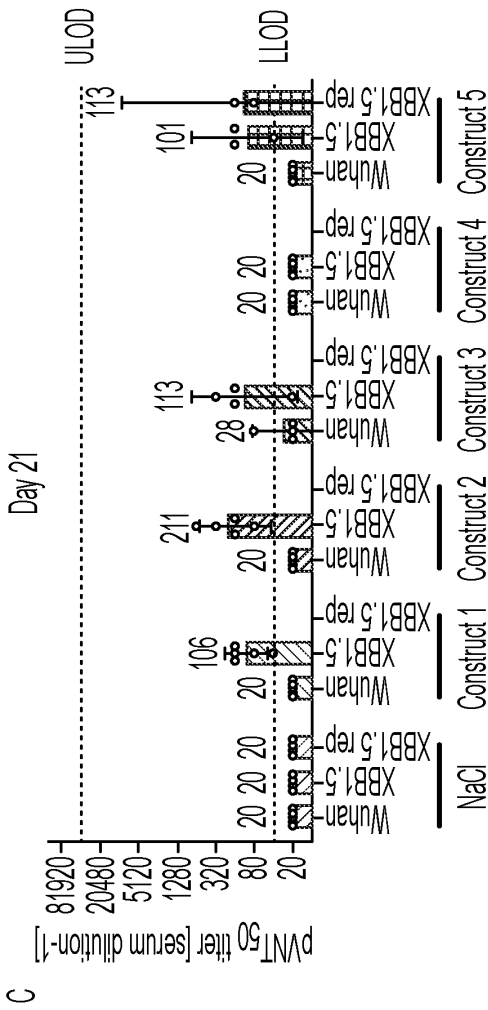


FIG. 16
CONTINUED

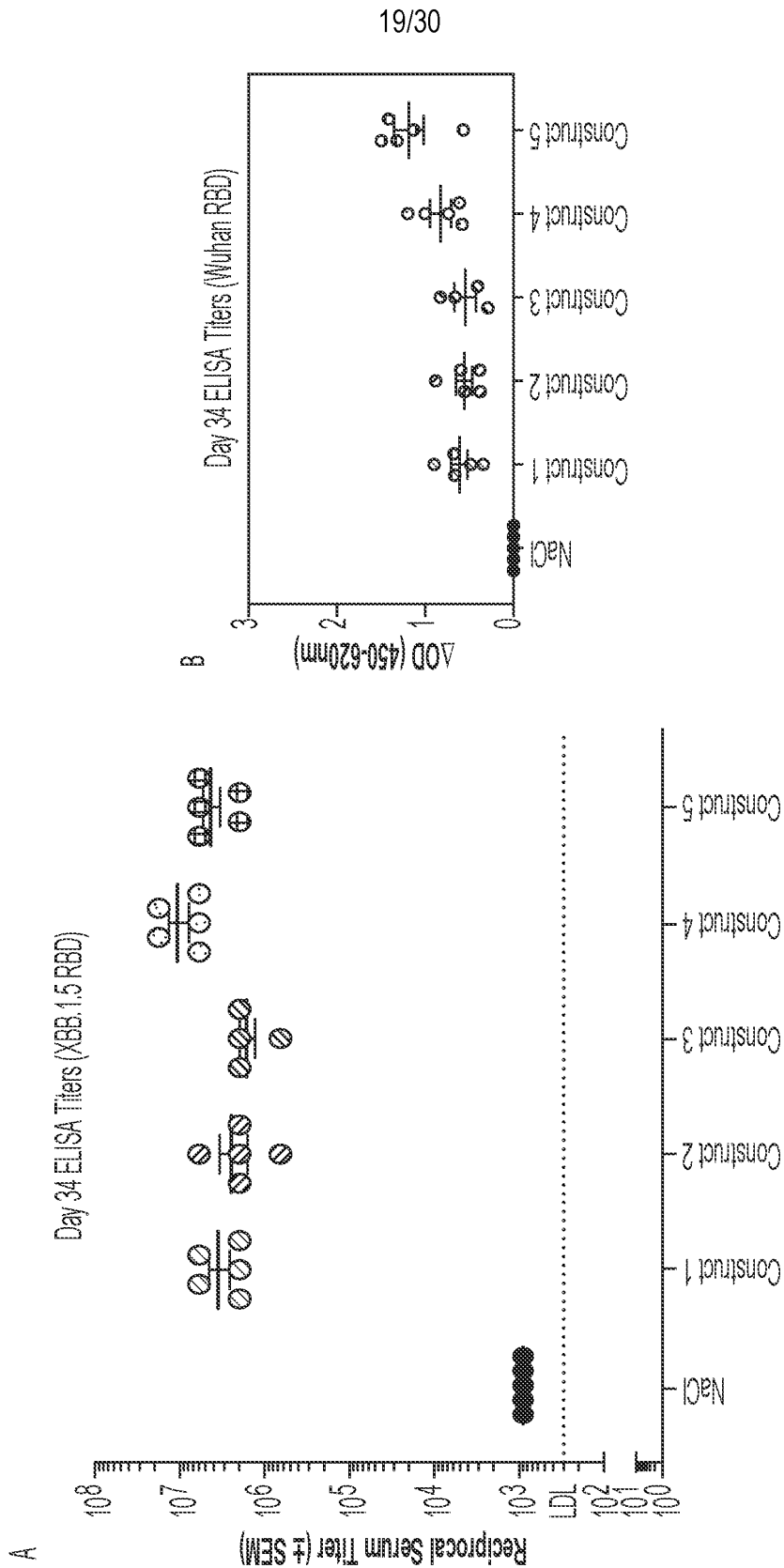


FIG. 17

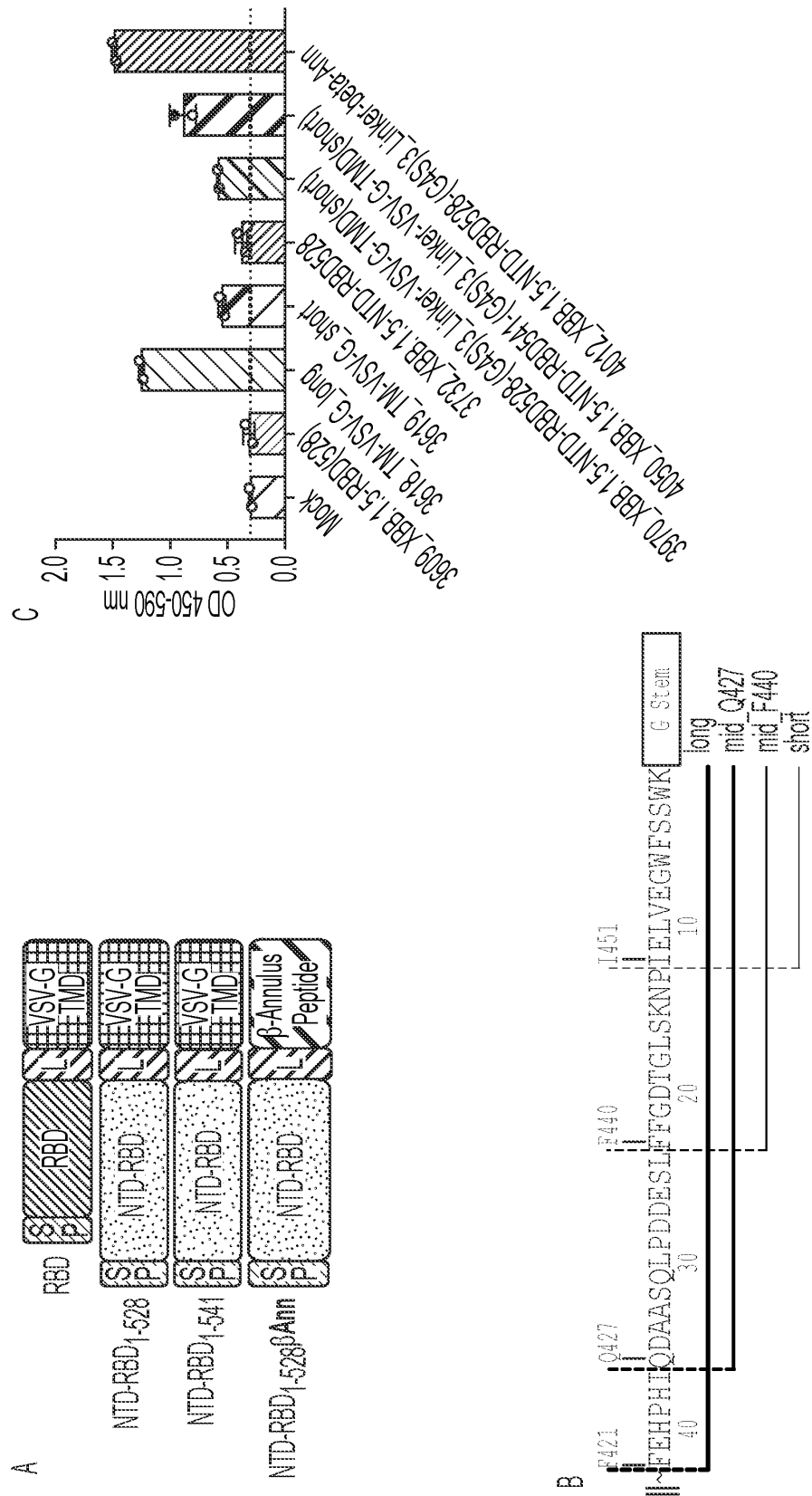


FIG. 18

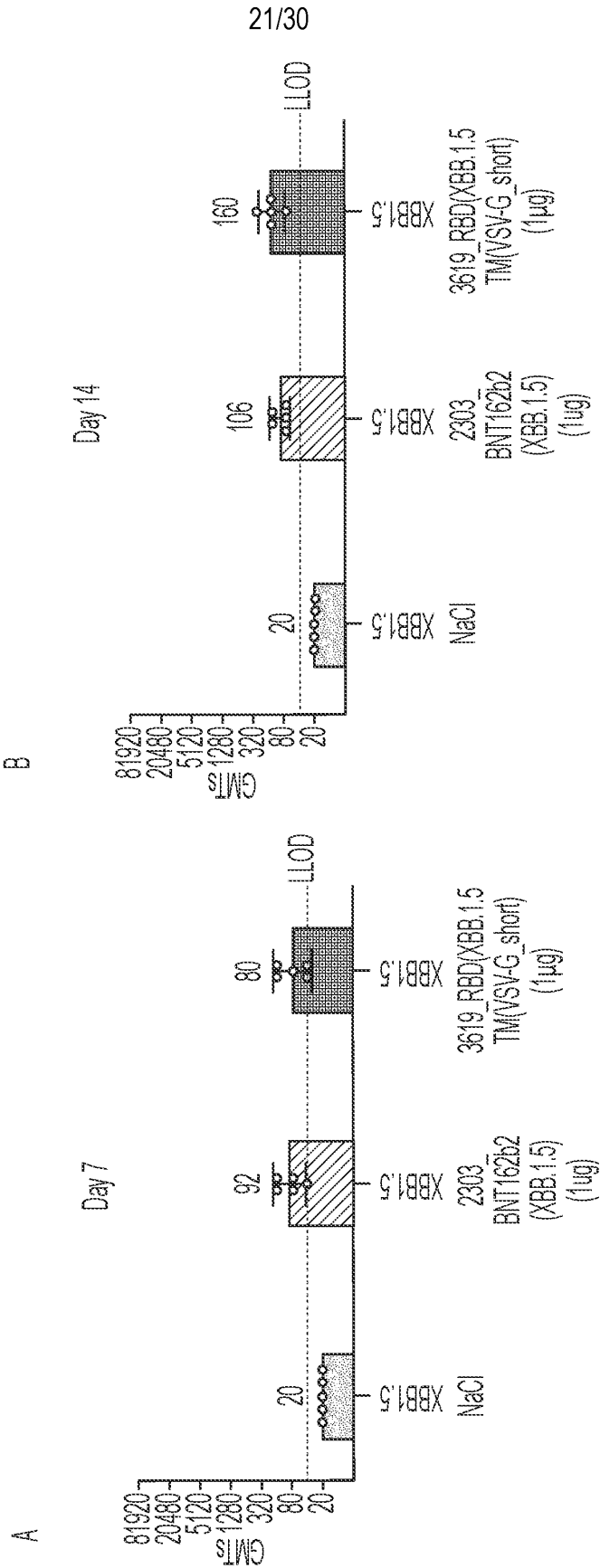


FIG. 19

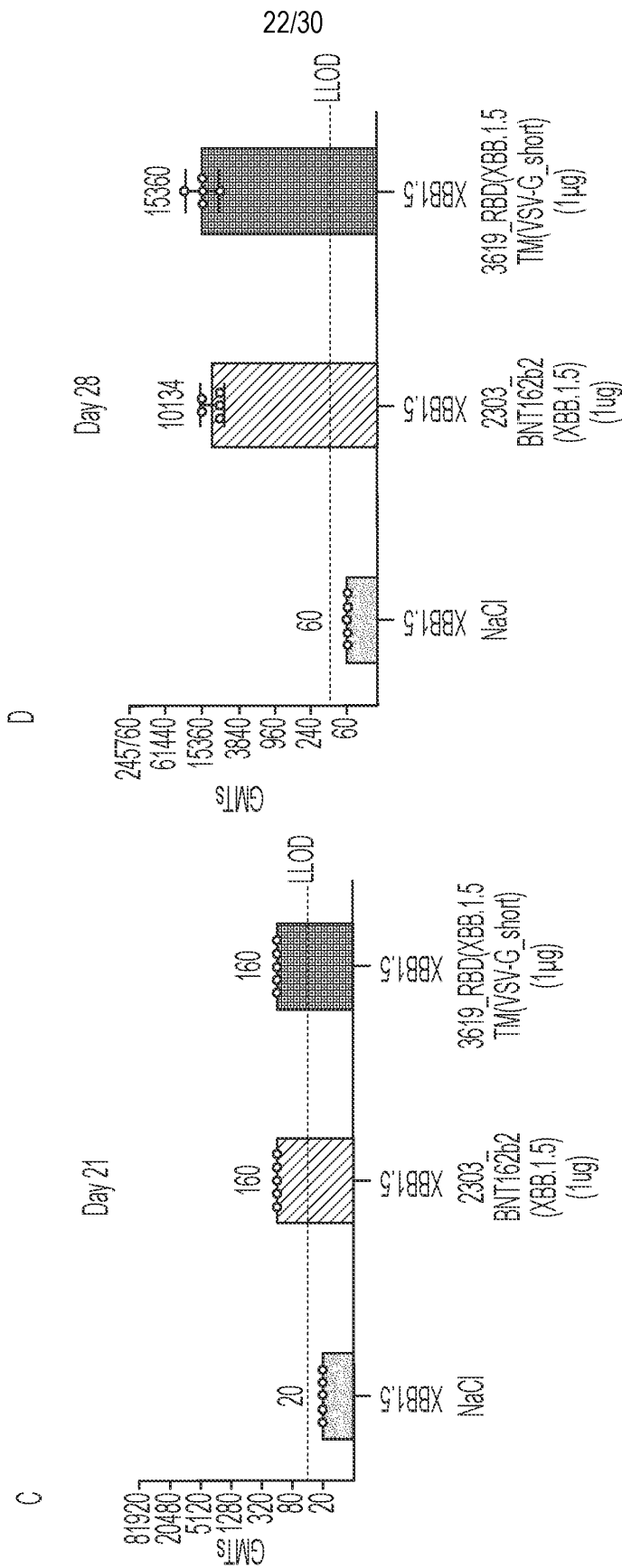


FIG. 19
CONTINUED

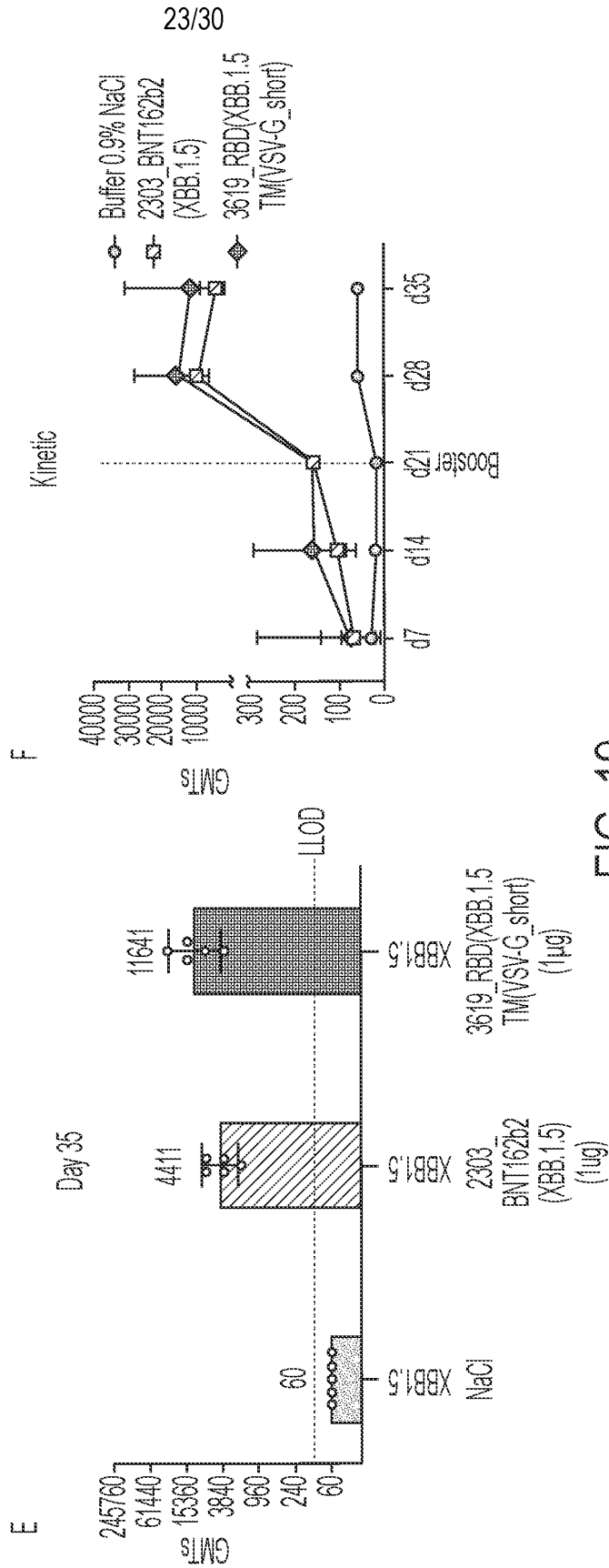


FIG. 19
CONTINUED

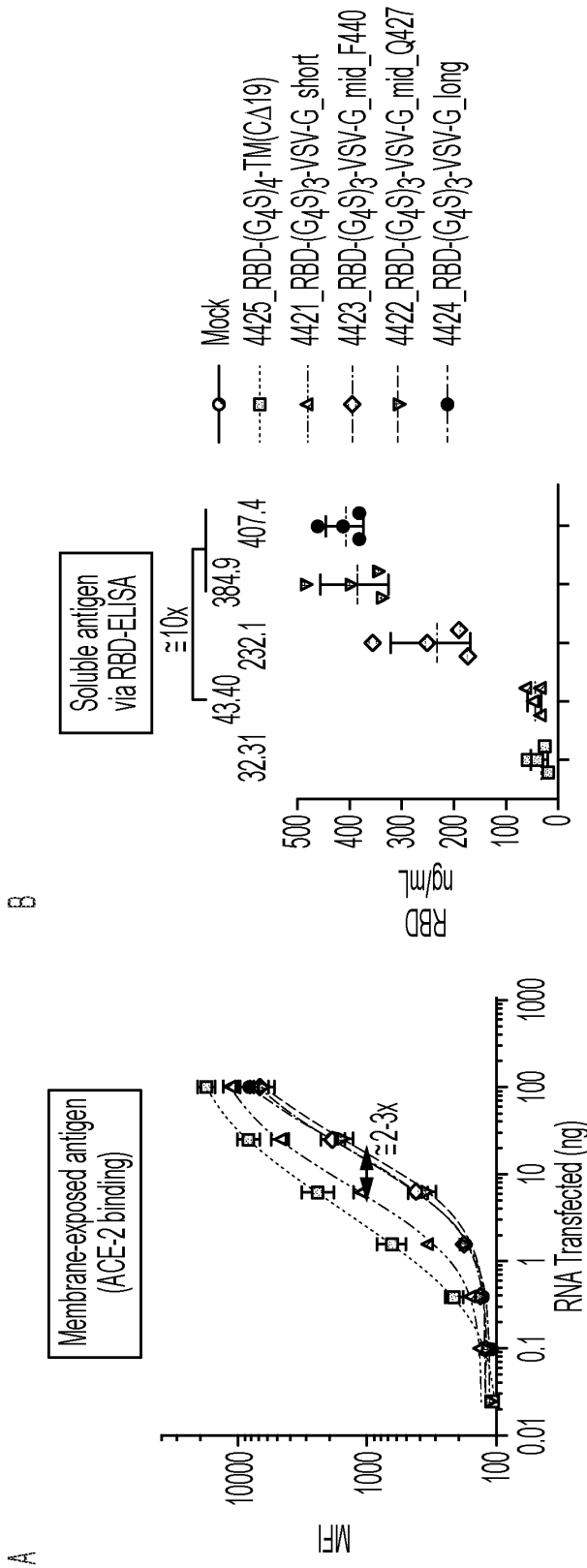


FIG. 20

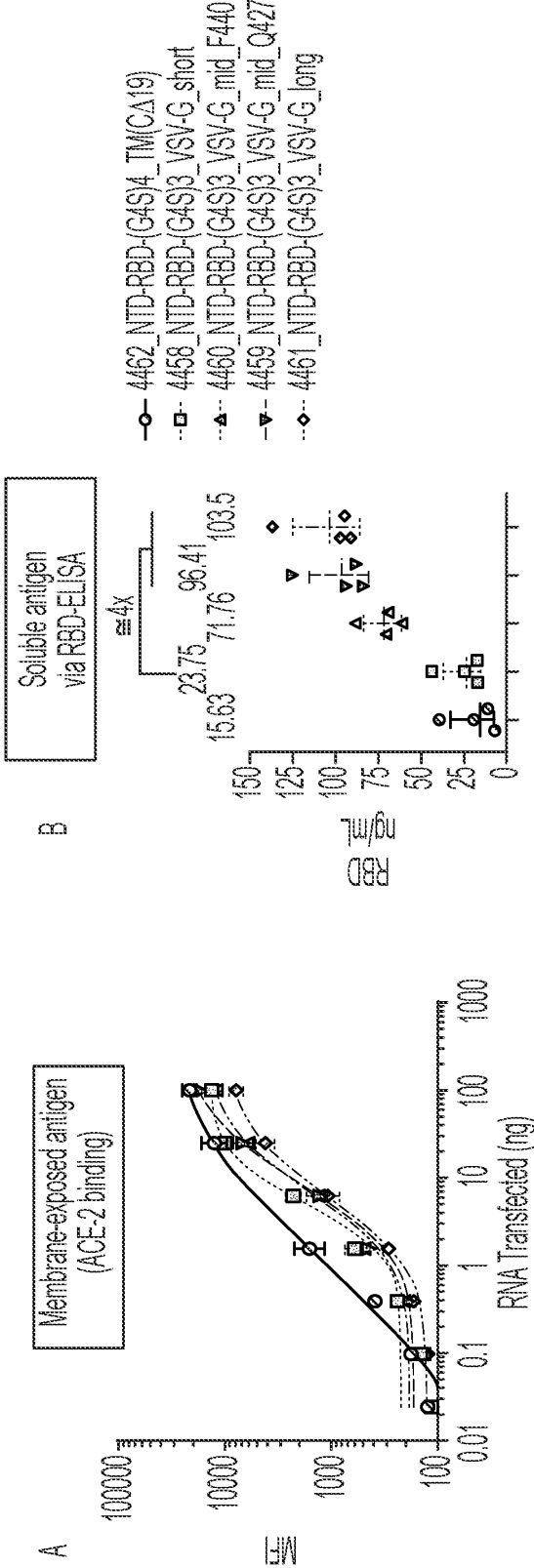
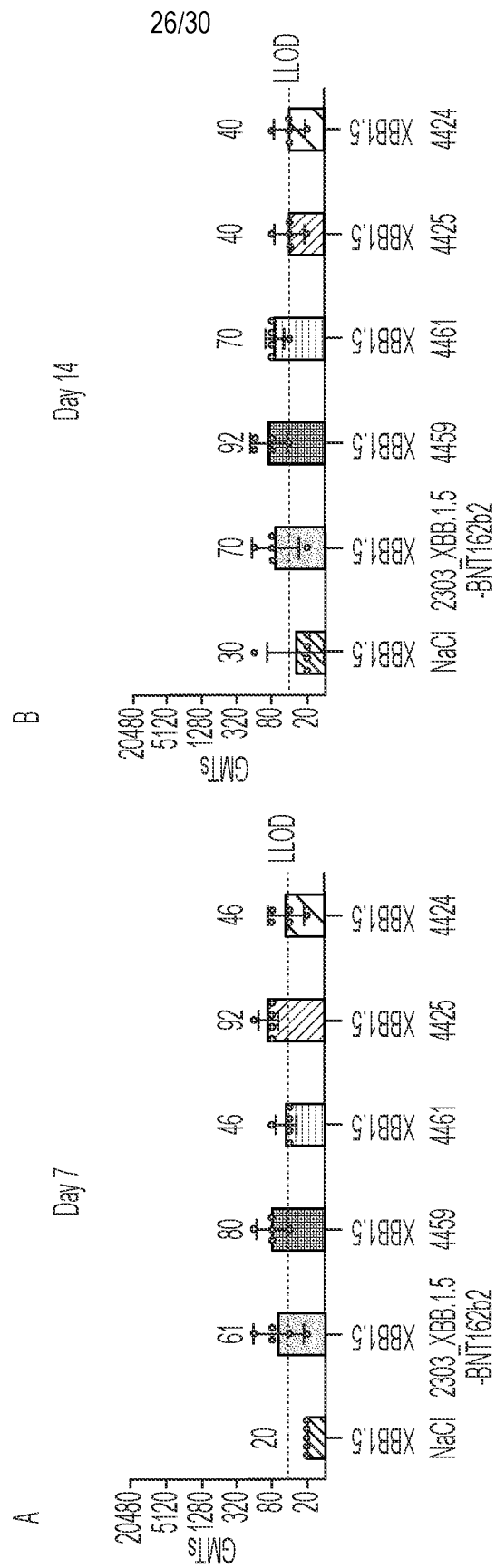


FIG. 21



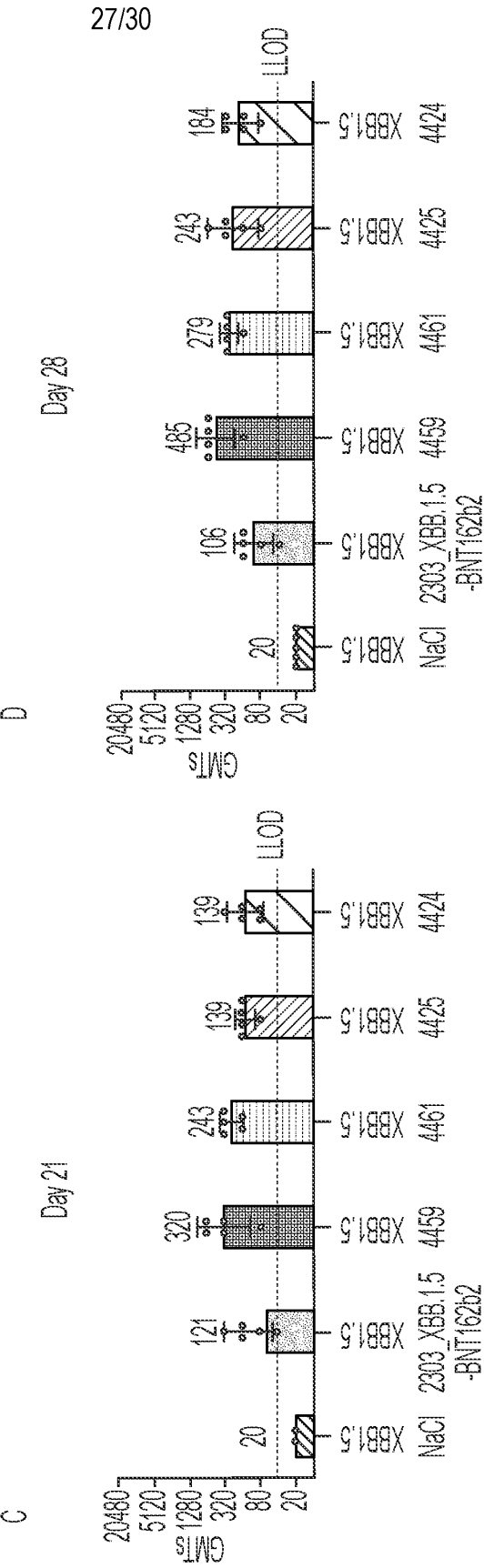


FIG. 22
CONTINUED

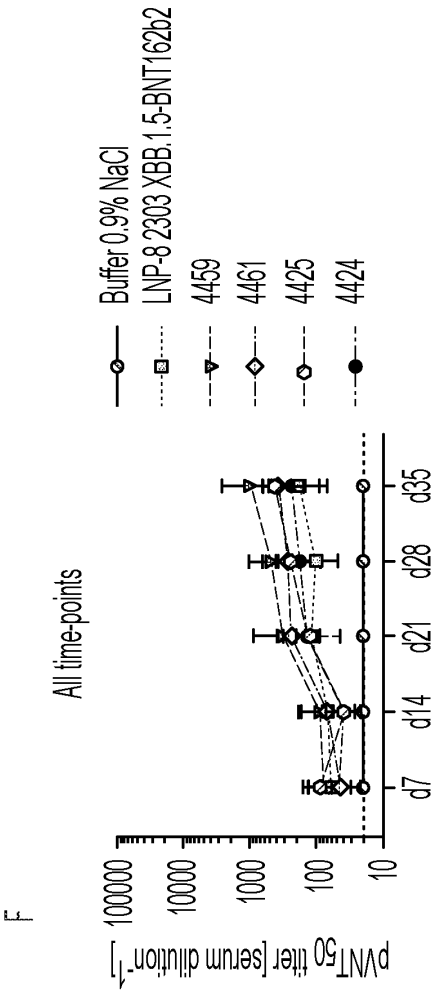
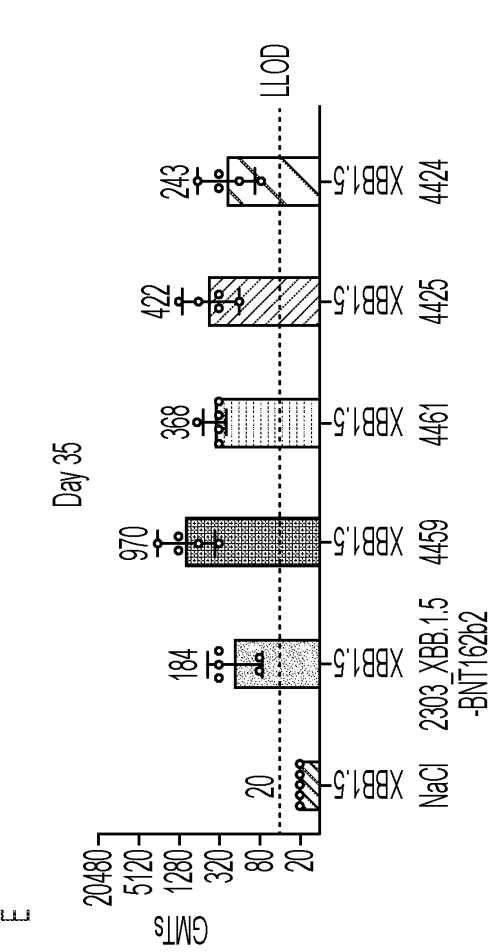


FIG. 22
CONTINUED

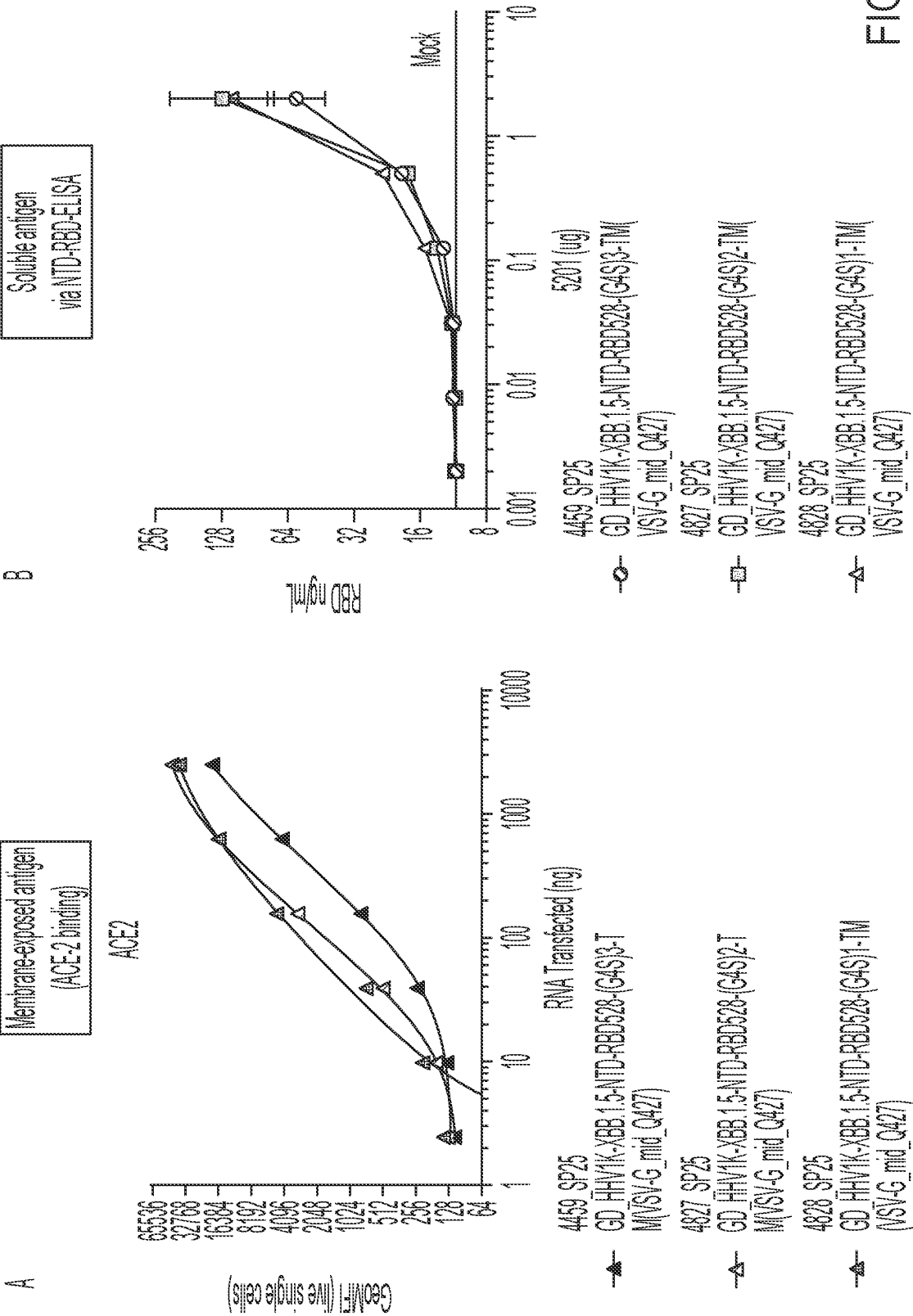


FIG. 23

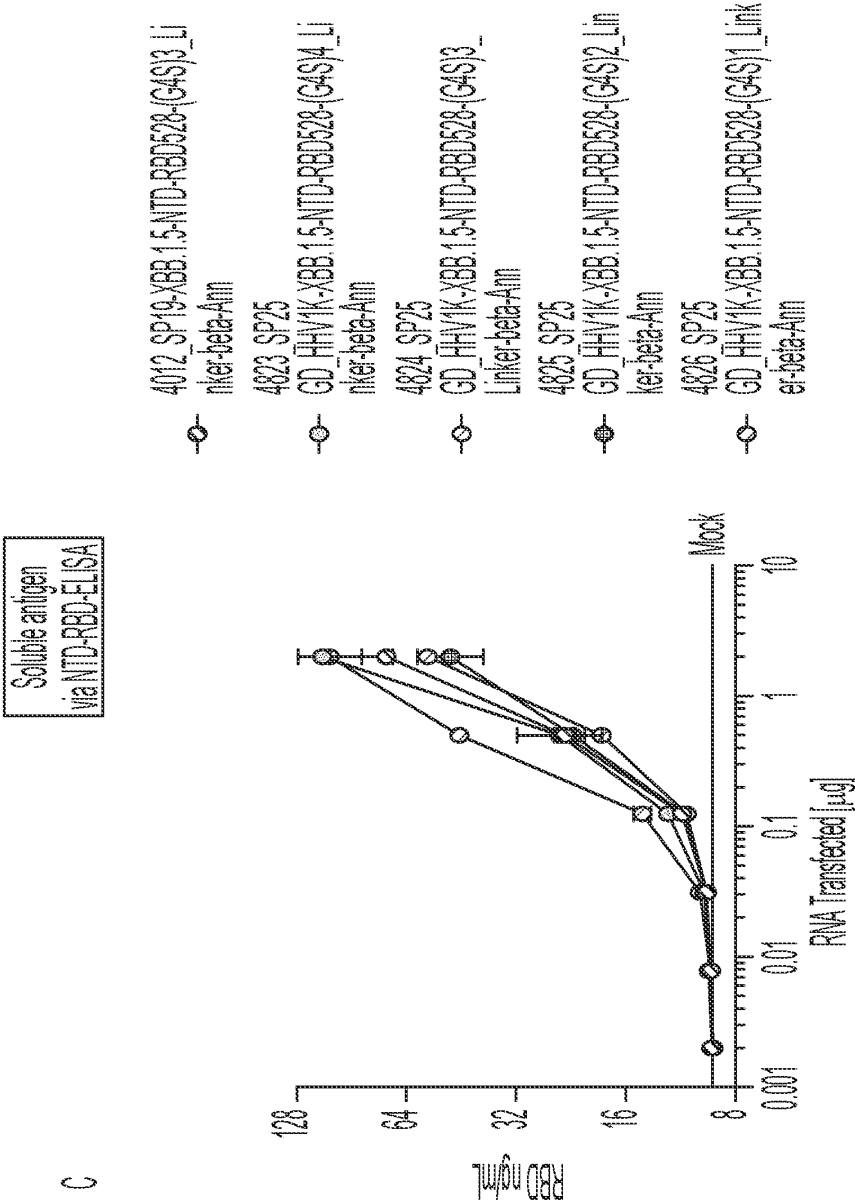


FIG. 23
CONTINUED