FIG. 1

Heavy Chain

EVQLLESGGGLVKPGQSLKLSCAASGFTFTSYGMHWVRQPPGKGLEWVAVISYDGSYKYYADSVQG
RFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKDSRLRSLLYFEWLSQGYFNPWGAGTTLTVSSAST
KGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVV
TVPSSSLGTQTYICNVNHKPSNTKVDKKVEPPKSCDKTHTCPPCPGTELLGGPSVFLFPPKPKDTL
MISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGK
EYKCKVSNKALPAPIEKTISKAKGEPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWES
NGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK
(SEQ ID NO: 94)

Light Chain

EIVMTQSPDSLAVSLGERATINCKSSQSVTYNYKNYLAWYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGT
DFTLTISSLQAEDVAVYYCQQYYRTPPTFGGGTKLDIKGSVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAK
VQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSFNRGEC
(SEQ ID NO: 95)

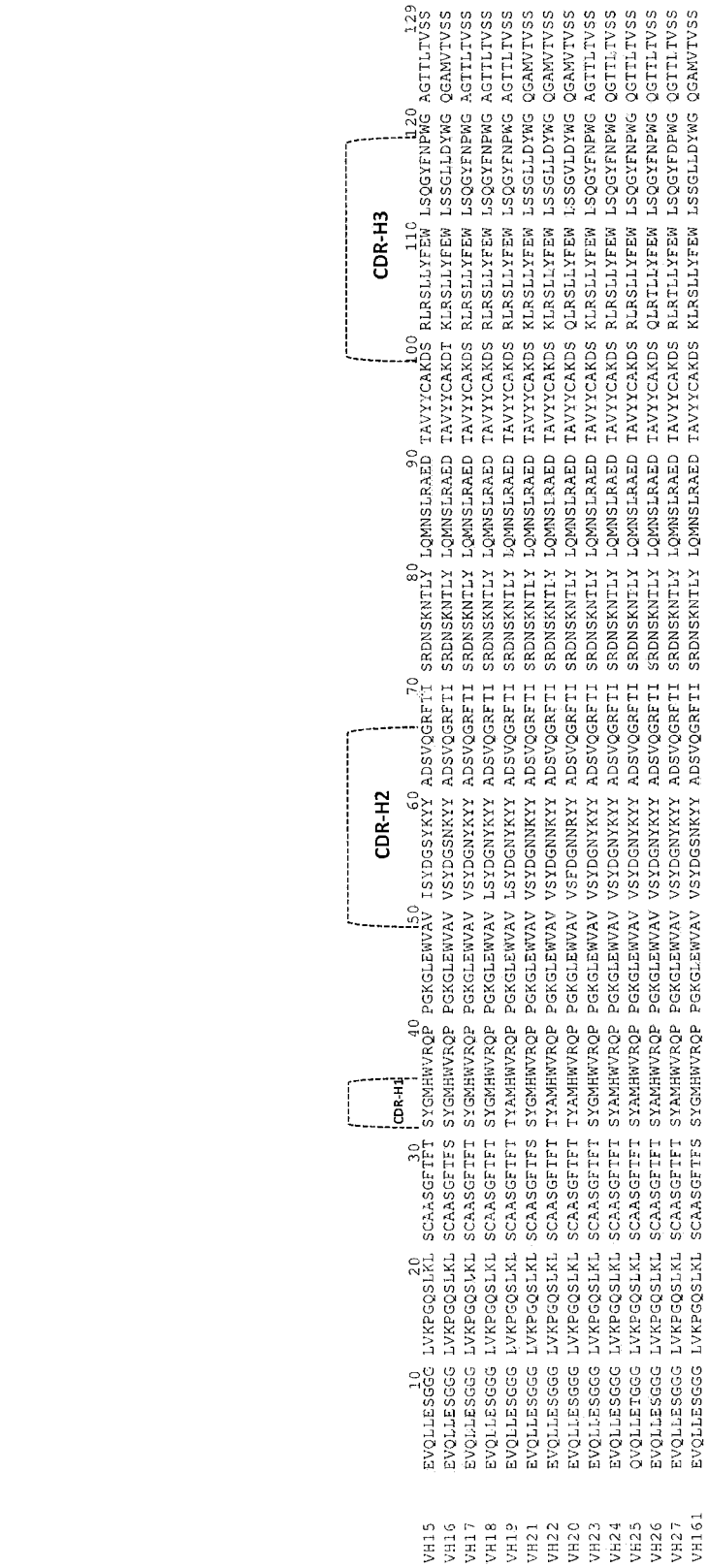

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CDR-H2
CDR-H3
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VH16 EVQLLESGGG LVKPGQSLKL SCAASGFTFS SYGMHWVRQP PGKGLEWVAV VSYDGSNKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDT KLRSLLYFEW LSSGLLDYWG QGAMVTVSS
VH17 EVQLLESGGG LVKPGQSLKL SCAASGFTFT SYGMHWVRQP PGKGLEWVAV VSYDGNYKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS RLRSLLYFEW LSQGYFNPWG AGTTLTVSS
VH18 EVQLLESGGG LVKPGQSLKL SCAASGFTFT SYGMHWVRQP PGKGLEWVAV LSYDGNYKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS RLRSLLYFEW LSQGYFNPWG AGTTLTVSS
VH19 EVQLLESGGG LVKPGQSLKL SCAASGFTFT TYAMHWVRQP PGKGLEWVAV LSYDGNYKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS RLRSLLYFEW LSQGYFNPWG AGTTLTVSS
VH21 EVQLLESGGG LVKPGQSLKL SCAASGFTFS SYGMHWVRQP PGKGLEWVAV VSYDGNNKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS KLRSLLYFEW LSSGLLDYWG QGAMVTVSS
VH22 EVQLLESGGG LVKPGQSLKL SCAASGFTFT TYAMHWVRQP PGKGLEWVAV VSYDGNNRYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS KLRSLLYFEW LSSGLLDYWG QGAMVTVSS
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VH23 EVQLLESGGG LVKPGQSLKL SCAASGFTFT SYGMHWVRQP PGKGLEWVAV VSYDGNYKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS KLRSLLYFEW LSQGYFNPWG AGTTLTVSS
VH24 EVQLLESGGG LVKPGQSLKL SCAASGFTFT SYAMHWVRQP PGKGLEWVAV VSYDGNYKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS RLRSLLYFEW LSQGYFNPWG QGTTLTVSS
VH25 QVQLLETGGG LVKPGQSLKL SCAASGFTFT SYAMHWVRQP PGKGLEWVAV VSYDGNYKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS RLRSLLYFEW LSQGYFNPWG QGTTLTVSS
VH26 EVQLLESGGG LVKPGQSLKL SCAASGFTFT SYAMHWVRQP PGKGLEWVAV VSYDGNYKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS QLRTLLYFEW LSQGYFNPWG QGTTLTVSS
VH27 EVQLLESGGG LVKPGQSLKL SCAASGFTFT SYAMHWVRQP PGKGLEWVAV VSYDGNYKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS RLRTLLYFEW LSQGYFDPWG QGTTLTVSS
VH161 EVQLLESGGG LVKPGQSLKL SCAASGFTFS SYGMHWVRQP PGKGLEWVAV VSYDGSNKYY ADSVQGRFTI SRDNSKNTLY LQMNSLRAED TAVYYCAKDS KLRSLLYFEW LSSGLLDYWG QGAMVTVSS

FIG. 2

FIG. 3

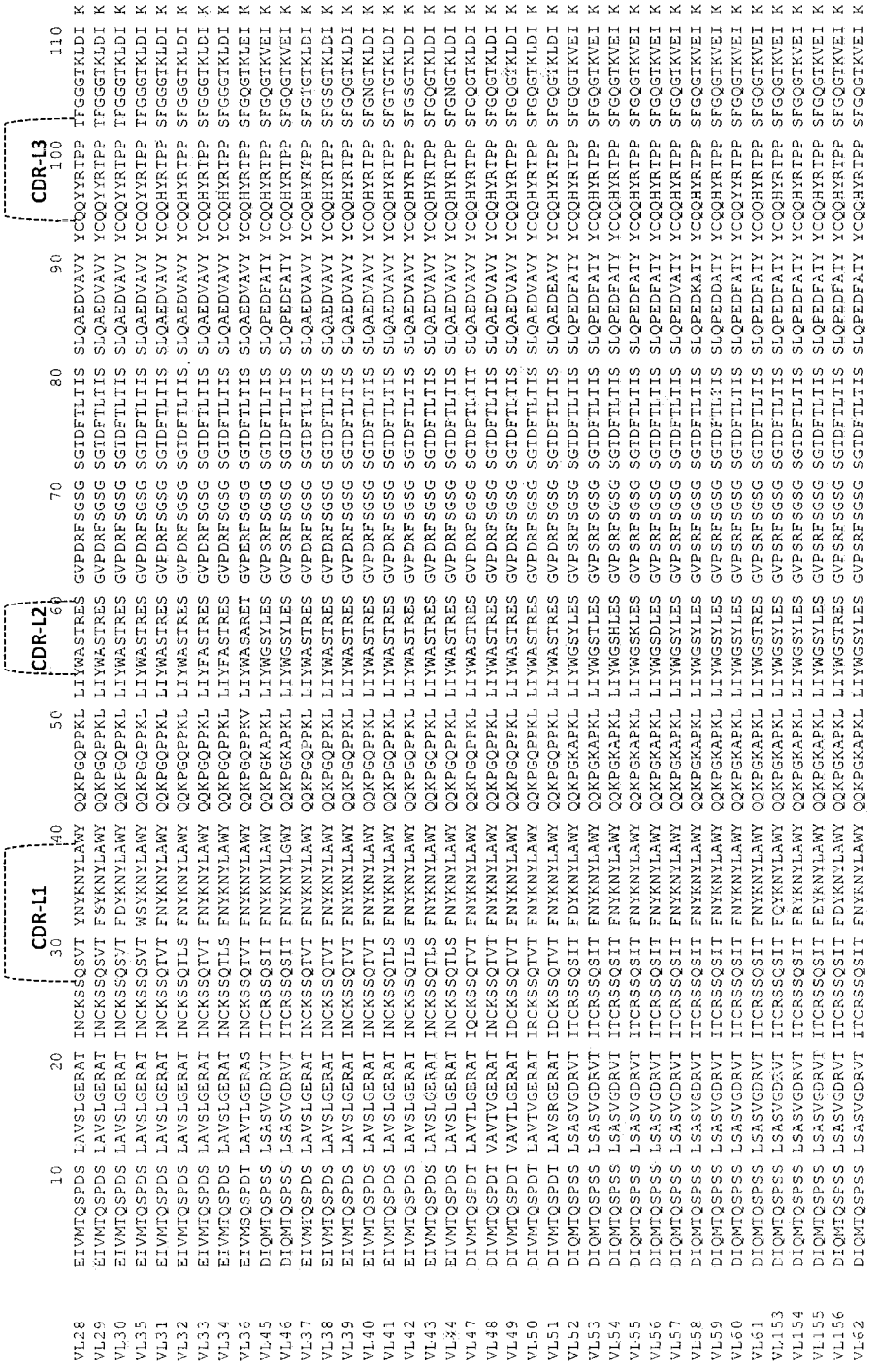

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CDR-L2
CDR-L3
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VL29 EIVMTQSPDS LAVSLGERAT INCKSSQSVT FSYKNYLAWY QQKPGQPPKL LIYWASTRES GVPDRFSGSG SGTDFTLTIS SLQAEDVAVY YCQQYYRTPP TFGGGTKLDI K
VL30 EIVMTQSPDS LAVSLGERAT INCKSSQSVT FDYKNYLAWY QQKPGQPPKL LIYWASTRES GVPDRFSGSG SGTDFTLTIS SLQAEDVAVY YCQQYYRTPP TFGGGTKLDI K
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VL32 EIVMTQSPDS LAVSLGERAT INCKSSQTLS FNYKNYLAWY QQKPGQPPKL LIYWASTRES GVPDRFSGSG SGTDFTLTIS SLQAEDVAVY YCQQHYRTPP SFGGGTKLDI K
VL33 EIVMTQSPDS LAVSLGERAT INCKSSQTVT FNYKNYLAWY QQKPGQPPKL LIYFASTRES GVPDRFSGSG SGTDFTLTIS SLQAEDVAVY YCQQHYRTPP SFGGGTKLDI K
VL34 EIVMTQSPDS LAVSLGERAT INCKSSQTLS FNYKNYLAWY QQKPGQPPKL LIYFASTRES GVPDRFSGSG SGTDFTLTIS SLQAEDVAVY YCQQHYRTPP SFGGGTKLDI K
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VL45 DIQMTQSPSS LSASVGDRVT ITCRSSQSII FNYKNYLAWY QQKPGKAPKL LIYWGSYLES GVPSRFSGSG SGIDFTLTIS SLQPEDFATY YCQQHYRIPP SFGQGTKVEI K
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VL43 EIVMTQSPDS LAVSLGERAT INCKSSQTLS FNYKNYLAWY QQKPGQPPKL LIYWASTRES GVPDRFSGSG SGTDFTLTIS SLQAEDVAVY YCQQHYRTPP SFGQGTKLDI K
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VL55 DIQMTQSPSS LSASVGDRVT ITCRSSQSII FNYKNYLAWY QQKPGKAPKL LIYWGSKLES GVPSRFSGSG SGTDFTLTIS SLQPEDFATY YCQQHYRTPP SFGQGTKVEI K
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VL162 DIQMTQSPSS LSASVGDRVI ITCRSSQSIT FNYKNYLAWY QQKPGKAPKL LIYWGSYLES GVPSRFSGSG SGTDFTLTIS SLQPEDFATY YCQQHYRTPP SFGQGTKVEI K

FIG. 4

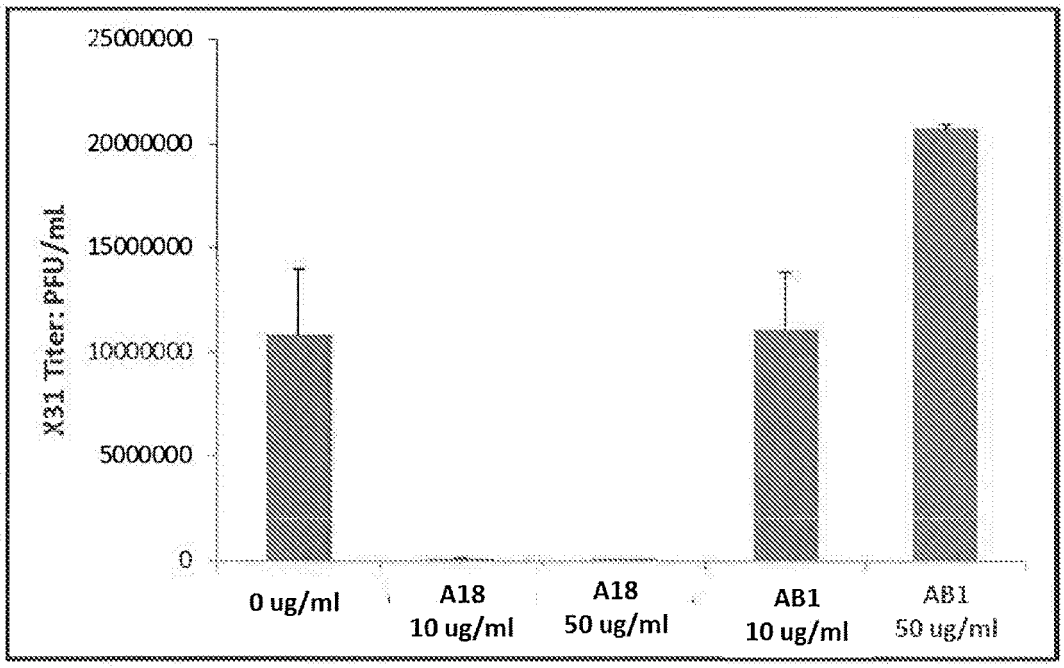

25000000
20000000
15000000
10000000
5000000
0
X31 Titer: PFU/ml
0 ug/ml
A18
10 ug/ml
A18
50 ug/ml
AB1
10 ug/ml
AB1
50 ug/ml

FIG. 5

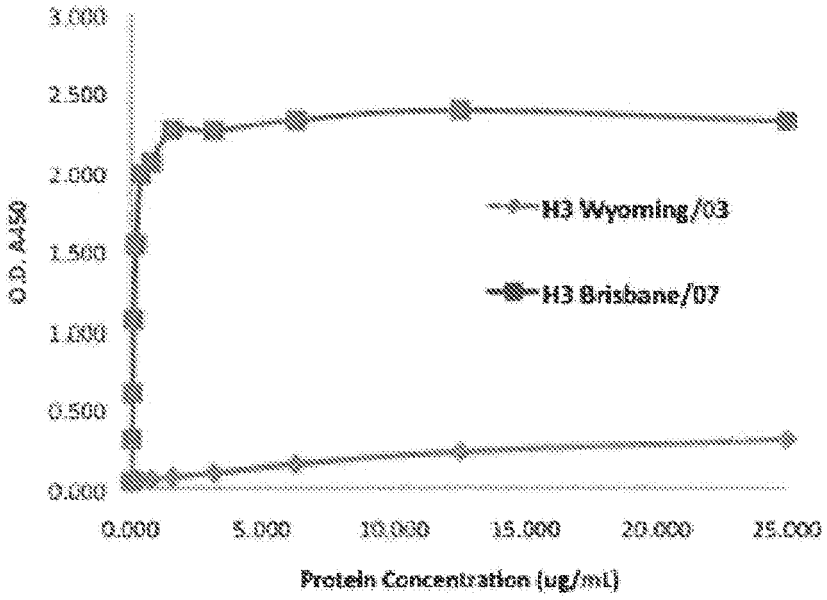

3.000
2.500
2.000
1.500
1.000
0.500
0.000
O.D. A450
0.000
5.000
10.000
15.000
20.000
25.000
Protein Concentration (ug/mL)
H3 Wyoming/03
H3 Brisbane/07

FIG. 6

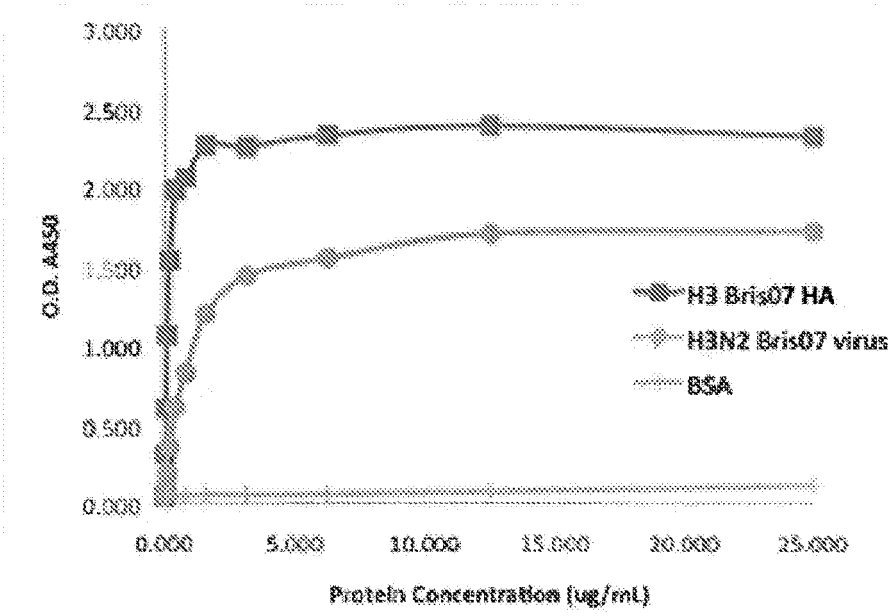

3.000
2.500
2.000
1.500
1.000
0.500
0.000
O.D. A450
0.000
5.000
10.000
15.000
20.000
25.000
Protein Concentration (ug/mL)
H3 Bris07 HA
H3N2 Bris07 virus
BSA

FIG. 7A

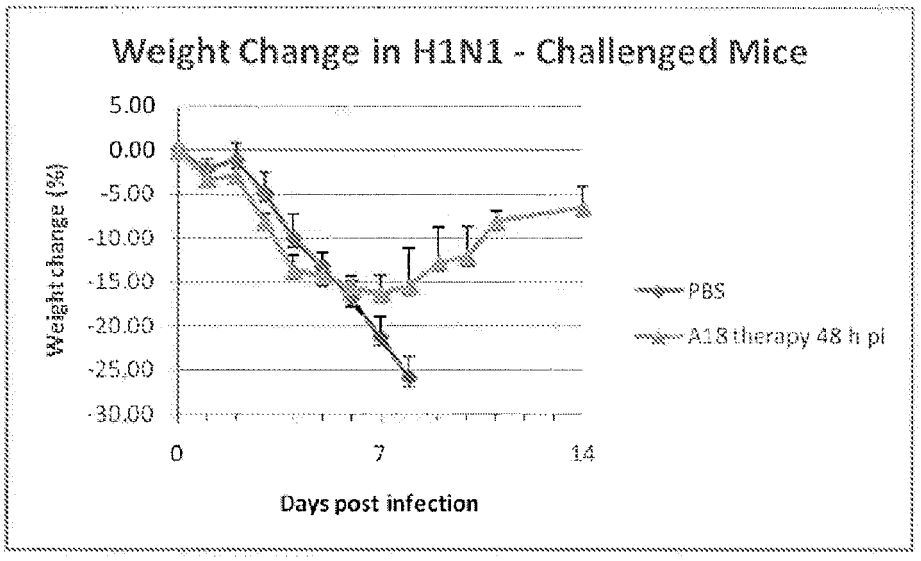

Weight Change in H1N1 - Challenged Mice
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
-30.00
Weight change (%)
0
7
14
Days post infection
PBS
A18 therapy 48 h pi

FIG. 7B

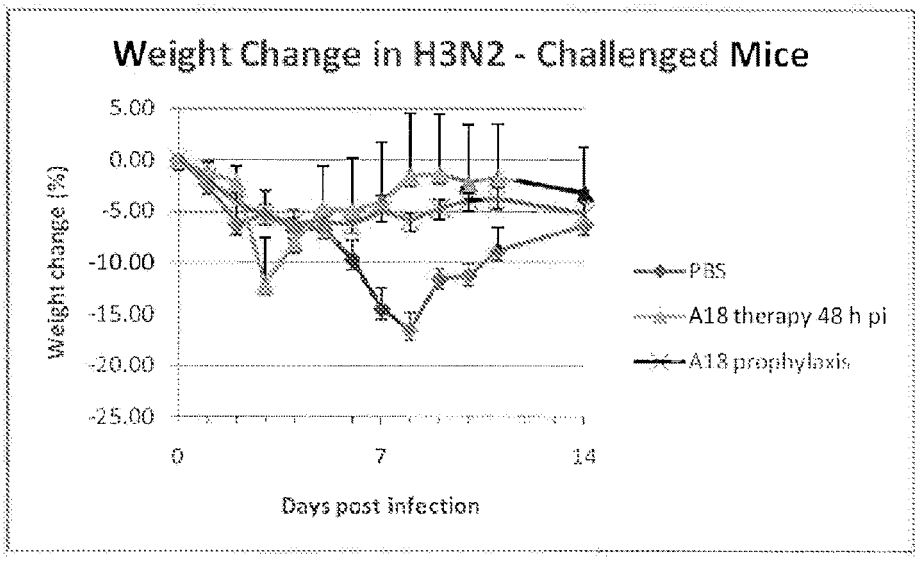

Weight Change in H3N2 - Challenged Mice
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-25.00
Weight change (%)
0
7
14
Days post infection
PBS
A18 therapy 48 h pi
A18 prophylaxis

FIG. 8A

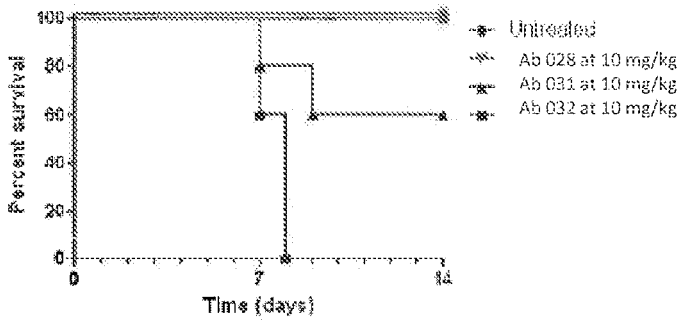

Percent survival
100
80
60
40
20
0
0
7
14
Time (days)
Untreated
Ab 028 at 10 mg/kg
Ab 031 at 10 mg/kg
Ab 032 at 10 mg/kg

FIG. 8B

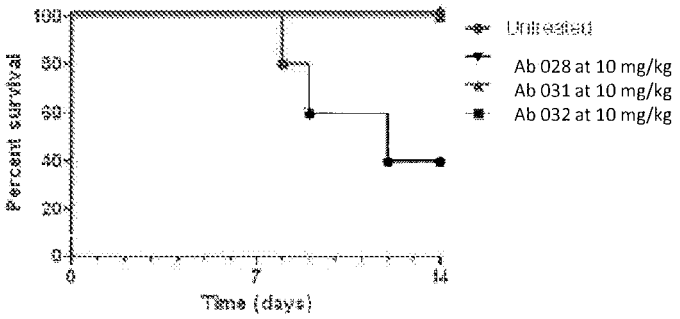

Percent survival
100
80
60
40
20
0
0
7
14
Time (days)
Untreated
Ab 028 at 10 mg/kg
Ab 031 at 10 mg/kg
Ab 032 at 10 mg/kg

FIG. 9A

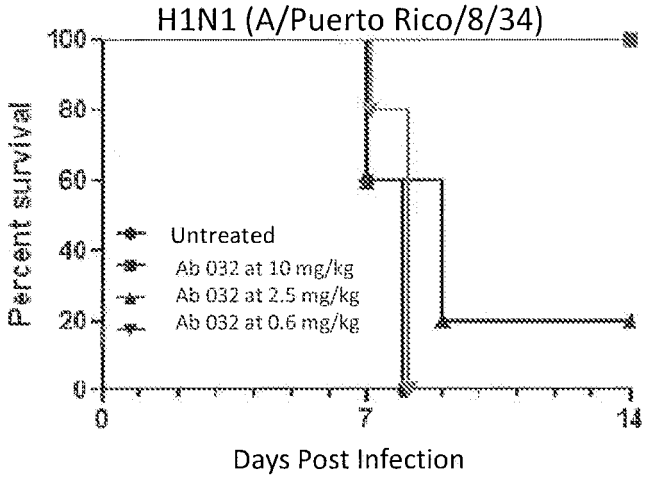


FIG. 9B

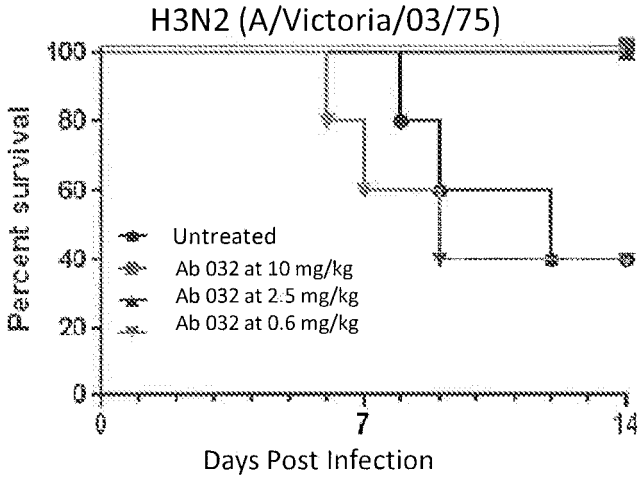


FIG. 9C

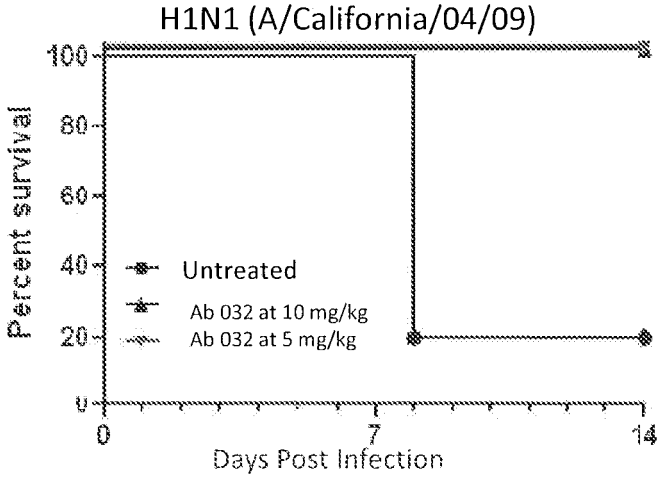


FIG. 10A

Ab 028 Group 1

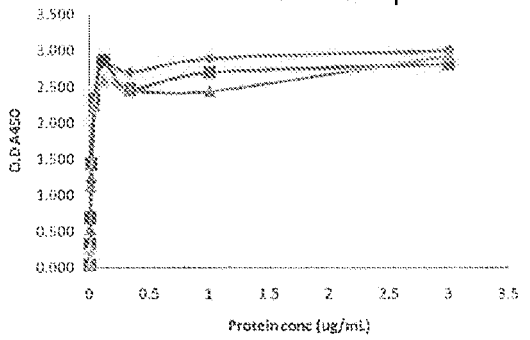


FIG. 10B

Ab 028 Group 2

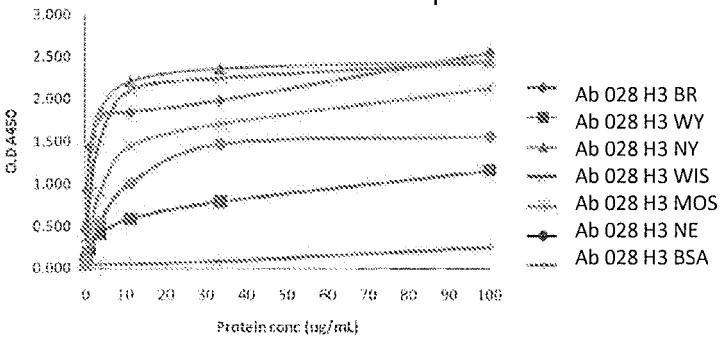


FIG. 10C

Ab 014 Group 1

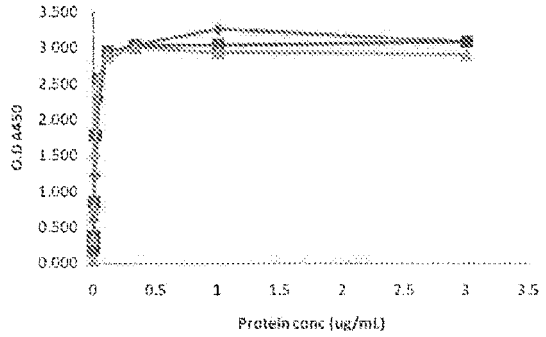


FIG. 10D

Ab 014 Group 2

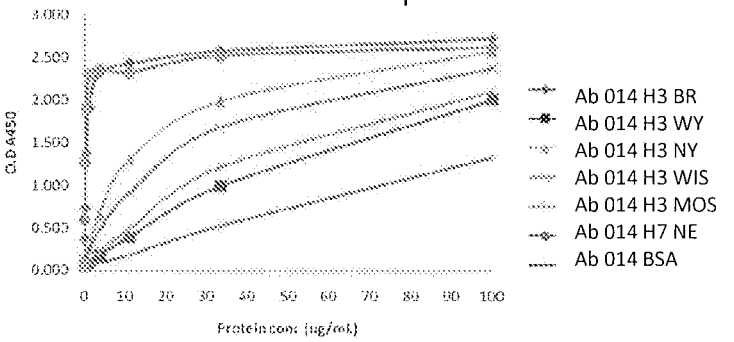


FIG. 11

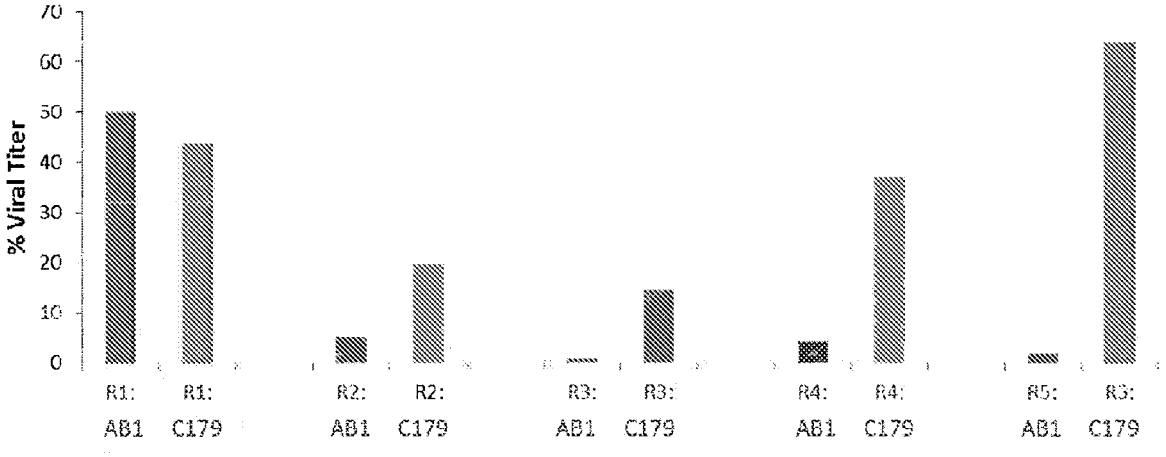

% Viral Titer
70
60
50
40
30
20
10
0
R1: AB1
R1: C179
R2: AB1
R2: C179
R3: AB1
R3: C179
R4: AB1
R4: C179
R5: AB1
R5: C179

FIG. 12


FI6 VH QVQLVQSGGGVVQPGRSLRLSCAASGFTFSTYAMHWVRQAPGRGLEWVAVISYDGNYKYYADSVKGRFSISRDNSNNTLHLEMNTLRTEDTALYYCAKDSQLRSLLYFEWLSQGYFDPWGQGTLVTVTS
FI6 VH1 QVQLVQSGGGVVPPGRSLRLSCAASGFTFSTYGMHWVRQAPGKGLEWVAVISYDGNYKYYADSVRGRFTISRDNSKNTLNLDMNSLRTEDTALYYCAKDSQLRSLLYFDWLSQGYFDHWGQGTLVTVSS
FI6 VH2 QVQLVESGGGVVQPGRSLRLSCAASGFTFSSYGMHWVRQAPGKGLEWVAVISYDGSNKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKDSQLRSLLYFDWLSQGYFDYWGQGTLVTVSS
FI6 VH3 QVQLVESGGGVVQPGRSLRLSCAASGFTFSTYAMHWVRQAPGKGLEWVAVISYDANYKYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTAVYYCAKDSQLRSLLYFEWLSQGYFDYWGQGTLVTVSS
FI6/370 VH QVQLVQSGGGVVQPGRSLRLSCAASGFTFSTYGMHWVRQAPGKGLEWVAVISYDGNYKYYADSVKGRFTISRDNSKNTLYLEMNSLRTEDTALYYCAKDSQLRSLLYFDWLSQGYFDHWGQGTLVTVSS
FI6VK DIQMTSQPDSLAVSLGARATINCKSSQSVTFNYKNYLAWYQQKPGQPPKVLIYWASARESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQHYRTPPTFGQGTKVEIK

FIG. 13

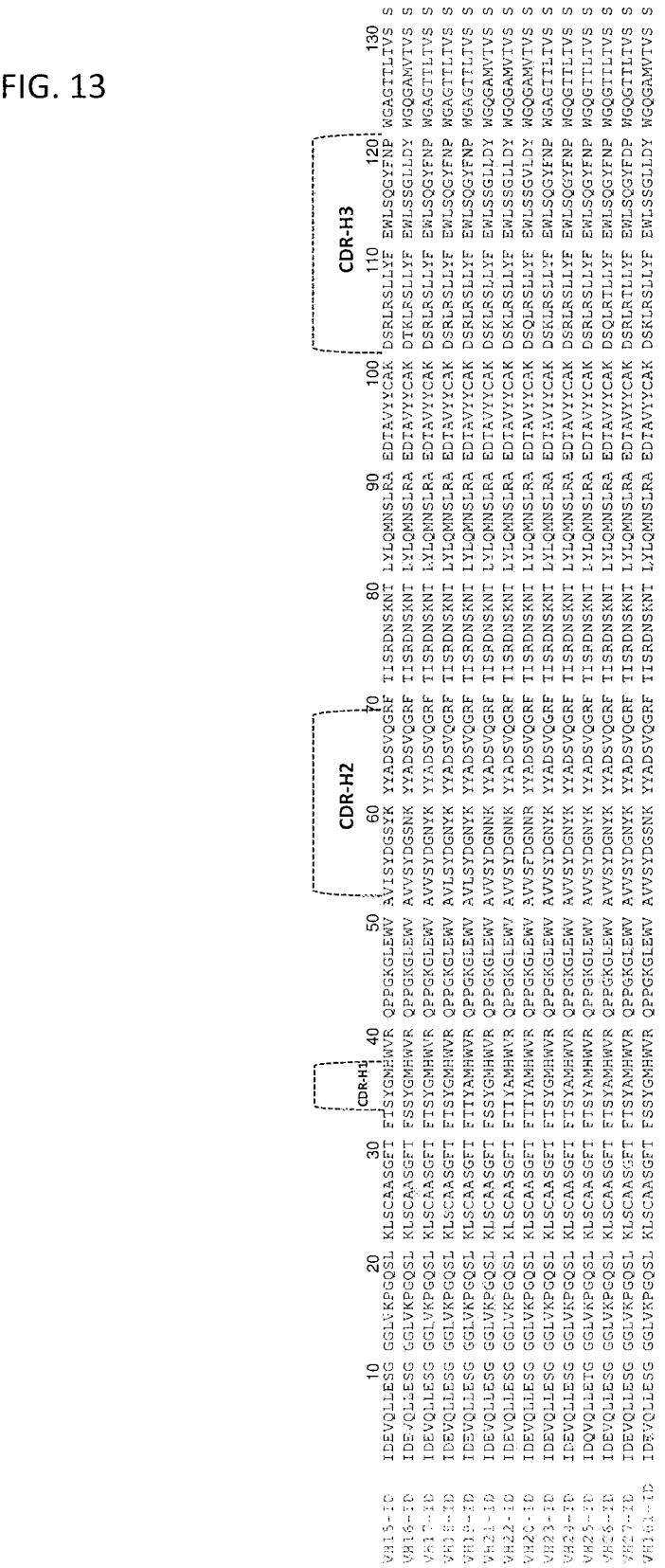

CDR-H1
CDR-H2
CDR-H3
10 20 30 40 50 60 70 80 90 100 110 120 130
VH15-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFI FTSYGMHWVR QPPGKGLEWV AVISYDGSYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSRLRSLLYF EWLSQGYFNP WGAGTTLTVS S
VH16-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFI FSSYGMHWVR QPPGKGLEWV AVVSYDGSNK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DTKLRSLLYF EWLSSGLLDY WGQGAMVTVS S
VH17-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFI FTSYGMHWVR QPPGKGLEWV AVVSYDGNYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSRLRSLLYF EWLSQGYFNP WGAGTTLTVS S
VH18-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFT FTSYGMHWVR QPPGKGLEWV AVLSYDGNYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSRLRSLLYF EWLSQGYFNP WGAGTTLTVS S
VH19-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFT FTTYAMHWVR QPPGKGLEWV AVLSYDGNYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSRLRSLLYF EWLSQGYFNP WGAGTTLTVS S
VH21-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFT FSSYGMHWVR QPPGKGLEWV AVVSYDGNNK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSKLRSLLYF EWLSSGLLDY WGQGAMVTVS S
VH22-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFT FTTYAMHWVR QPPGKGLEWV AVVSYDGNNK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSKLRSLLYF EWLSSGLLDY WGQGAMVTVS S
VH26-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFI FTTYAMHWVR QPPGKGLEWV AVVSFDGNNR YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSQLRSLLYF EWLSSGVLDY WGQGAMVTVS S
VH23-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFI FTSYGMHWVR QPPGKGLEWV AVVSYDGNYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSKLRSLLYF EWLSQGYFNP WGAGTTLTVS S
VH24-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFI FTSYAMHWVR QPPGKGLEWV AVVSYDGNYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSRLRSLLYF EWLSQGYFNP WGQGTTLTVS S
VH25-ID IDQVQLLETG GGLVKPGQSL KLSCAASGFT FTSYAMHWVR QPPGKGLEWV AVVSYDGNYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSRLRSLLYF EWLSQGYFNP WGQGTTLTVS S
VH26-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFT FTSYAMHWVR QPPGKGLEWV AVVSYDGNYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSQLRTLLYF EWLSQGYFNP WGQGTTLTVS S
VH27-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFT FTSYAMHWVR QPPGKGLEWV AVVSYDGNYK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSRLRTLLYF EWLSQGYFDP WGQGTTLTVS S
VH28A-ID IDEVQLLESG GGLVKPGQSL KLSCAASGFT FSSYGMHWVR QPPGKGLEWV AVVSYDGSNK YYADSVQGRF TISRDNSKNT LYLQMNSLRA EDTAVYYCAK DSKLRSLLYF EWLSSGLLDY WGQGAMVTVS S

FIG. 14

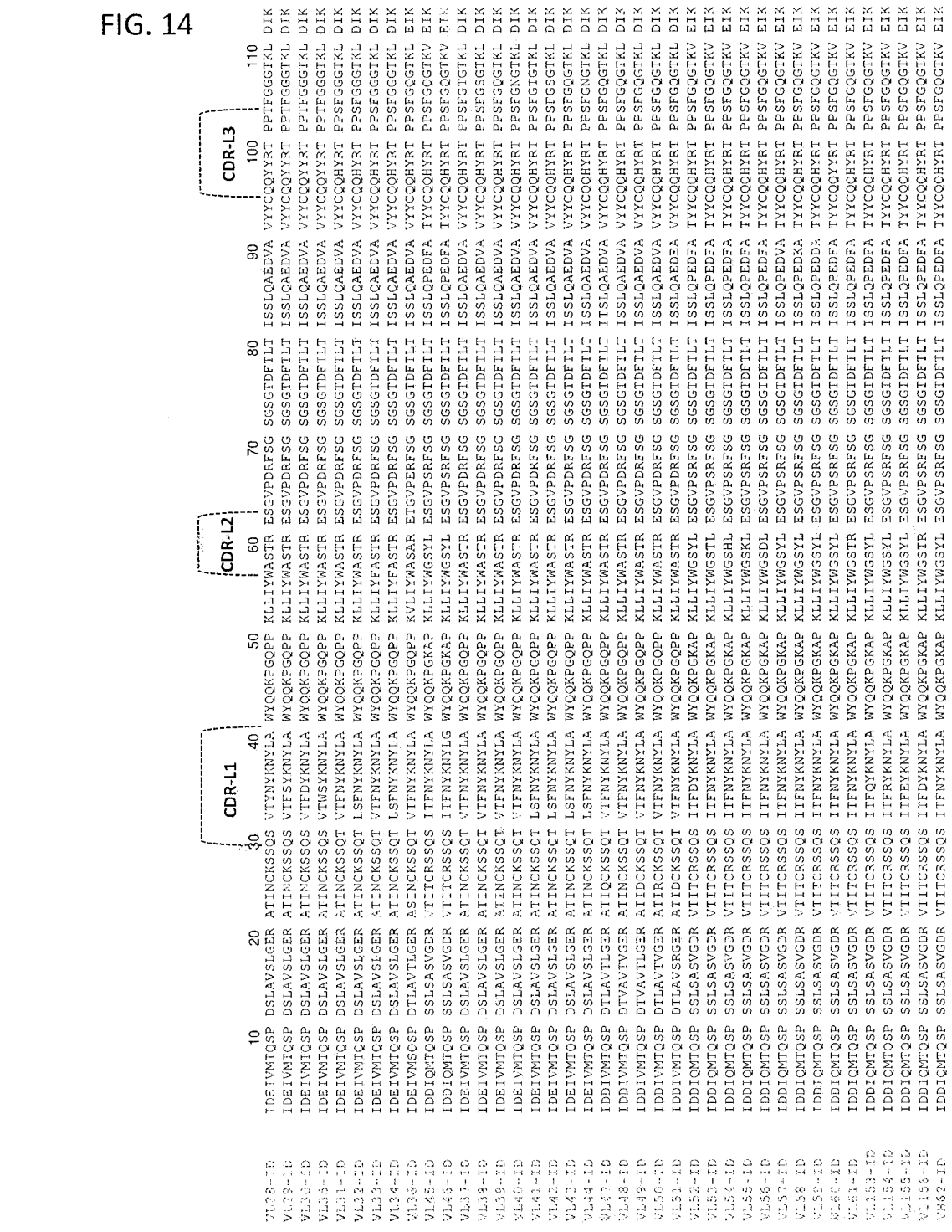

CDR-L1
CDR-L2
CDR-L3
10 20 30 40 50 60 70 80 90 100 110
VL28-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQS VTYNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQYYRT PPTFGGGTKL DIK
VL29-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQS VTFSYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQYYRT PPTFGGGTKL DIK
VL30-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQS VTFDYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQYYRT PPTFGGGTKL DIK
VL35-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQS VTWSYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQYYRT PPTFGGGTKL DIK
VL31-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQI VTFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGGGTKL DIK
VL32-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQT LSFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGGGTKL DIK
VL33-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQT VTFNYKNYLA WYQQKPGQPP KLLIYFASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGGGTKL DIK
VL34-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQT LSFNYKNYIA WYQQKPGQPP KLLIYFASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGGGTKL DIK
VL36-ID IDEIVMSQSP DTLAVTLGER ASINCKSSQI VTFNYKNYLA WYQQKPGQPP KVLIYWASAR ETGVPERFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGQGTKL EIK
VL45-ID IDDIQMTQSP SSLSASVGDR VTITCRSSQS ITFNYKNYLA WYQQKPGKAP KLLIYWGSYL ESGVPSRFSG SGSGTDFTLT ISSLQPEDFA TYYCQQHYRT PPSFGQGTKV EIK
VL46-ID IDDIQMTQSP SSLSASVGDR VTITCRSSQS ITFNYKNYLG WYQQKPGKAP KLLIYWGSYL ESGVPSRFSG SGSGTDFTLT ISSLQPEDFA TYYCQQHYRT PPSFQQGTKV EIK
VL37-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQT VTFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGTGTKL DIK
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VL39-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQT VTFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGQGTKL DIK
VL40-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQI VTFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGNGTKL DIK
VL41-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQT LSFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGQGTKL DIK
VL42-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQI LSFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGSGTKL DIK
VL43-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQT LSFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGQGTKL DIK
VL44-ID IDEIVMTQSP DSLAVSLGER ATINCKSSQI LSFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGNGTKL DIK
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VL48-ID IDDIVMTQSP DTVAVTVGER AIINCKSSQT VTFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDVA VYYCQQHYRT PPSFGQGTKL DIK
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VL50-ID IDDIVMTQSP DTLAVSRGER AIIDCKSSQT VTFNYKNYLA WYQQKPGQPP KLLIYWASTR ESGVPDRFSG SGSGTDFTLT ISSLQAEDEA VYYCQQHYRT PPSFGQGTKL DIK
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VL52-ID IDDIQMTQSP SSLSASVGDR VTITCRSSQS ITFDYKNYLA WYQQKPGKAP KLLIYWGSYL ESGVPSRFSG SGSGTDFTLT ISSLQPEDFA TYYCQQHYRT PPSFGQGTKV EIK
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VL65-ID IDDIQMTQSP SSLSASVGDR VTITCRSSQS ITFEYKNYLA WYQQKPGKAP KLLIYWGSYL ESGVPSRFSG SGSGTDFTLT ISSLQPEDFA TYYCQQHYRT PPSFGQGTKV EIK
VL66-ID IDDIQMTQSP SSLSASVGDR VTITCRSSQS ITFDYKNYLA WYQQKPGKAP KLLIYWGSTR ESGVPSRFSG SGSGTDFTLT ISSLQPEDFA TYYCQQHYRT PPSFGQGTKV EIK
VH62-ID IDDIQMTQSP SSLSASVGDR VTITCRSSQS ITFNYKNYLA WYQQKPGKAP KLLIYWGSYL ESGVPSRFSG SGSGTDFTLT ISSLQPEDFA TYYCQQHYRT PPSFGQGTKV EIK

FIG. 15

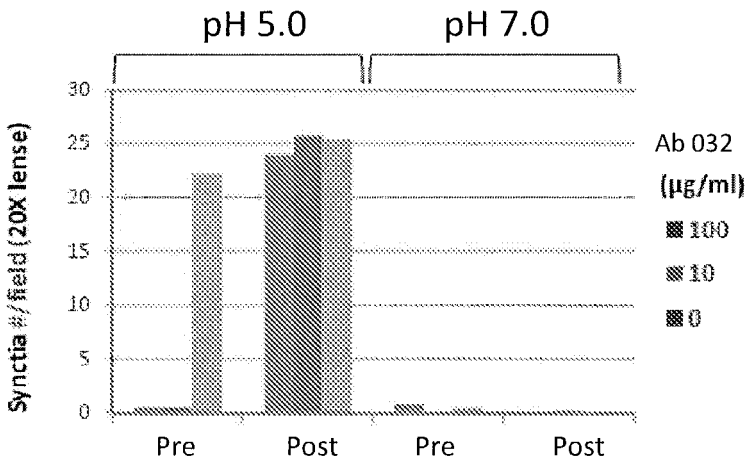

pH 5.0
pH 7.0
Synctia #/field (20X lense)
30
25
20
15
10
5
0
Pre
Post
Pre
Post
Ab 032
(µg/ml)
100
10
0

FIG. 16

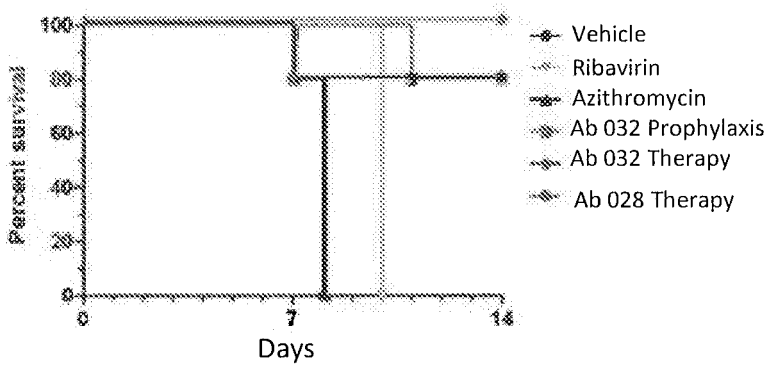

Percent survival
100
80
60
40
20
0
0
7
14
Days
Vehicle
Ribavirin
Azithromycin
Ab 032 Prophylaxis
Ab 032 Therapy
Ab 028 Therapy

FIG. 17

Additional Light Chain Variable Regions

VL165
DIQMTQSPSSLSASVGDRVTITCRSSQSITWNYKNYLAWYQQKPGKAPKLLIYWGSYLESGVPSRFSGSGSGTD
FTLTISSLQPEDFATYYCQQHYRTPPSFGQGTKVEIK

VL166
DIQMTQSPSSLSASVGDRVTITCRSSQSITWDYKNYLAWYQQKPGKAPKLLIYWGSYLESGVPSRFSGSGSGTD
FTLTISSLQPEDFATYYCQQHYRTPPSFGQGTKVEIK

VL167
DIQMTQSPSSLSASVGDRVTITCRSSQSITWQYKNYLAWYQQKPGKAPKLLIYWGSYLESGVPSRFSGSGSGTD
FTLTISSLQPEDFATYYCQQHYRTPPSFGQGTKVEIK

VL168
DIQMTQSPSSLSASVGDRVTITCRSSQSITWRYKNYLAWYQQKPGKAPKLLIYWGSYLESGVPSRFSGSGSGTD
FTLTISSLQPEDFATYYCQQHYRTPPSFGQGTKVEIK

VL169
DIQMTQSPSSLSASVGDRVTITCRSSQSITWEYKNYLAWYQQKPGKAPKLLIYWGSYLESGVPSRFSGSGSGTD
FTLTISSLQPEDFATYYCQQHYRTPPSFGQGTKVEIK

Additional Heavy Chain Variable Regions

VH164
QVQLLETGGGLVKPGQSLKLSCAASGFTFTSYAMHWVRQPPGKGLEWVAVVSYDGNYKYYADSVQGRFTISR
DNSKNTLYLQMNSLRAEDTAVYYCAKDSRLRSLLYFEWLSQGYFNPWGQGTTVTVSS

VH162
EVQLLESGGGLVKPGQSLKLSCAASGFSFSTYAMHWVRQPPGKGLEWVAVVSYDGNYKYYADTVQGRFTISRD
NSKNTLYLQMNSLRAEDTAVYYCAKDSRLRSLLYFEWLSQGYFNPWGQGTTLTVSS

VH163
EVQLLESGGGLRKPGQSLKLSCAASGFSFSTYAMHWVRQPPGKGLEWVAVVSYDGNYKYYADSVQGRFTISR
DNSKNTLYLQMNSLRAEDTAVYYCAKDSRLRSLLYFEWLSQGYFNPWGQGTTLTVSS

FIG. 18

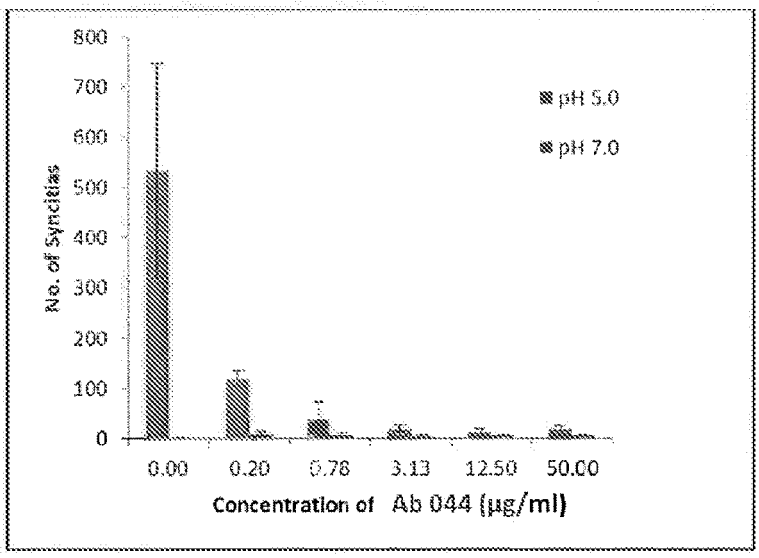

800
700
600
500
400
300
200
100
0
No. of Syncitias
pH 5.0
pH 7.0
0.00
0.20
0.78
3.13
12.50
50.00
Concentration of Ab 044 (µg/ml)

FIG. 19A

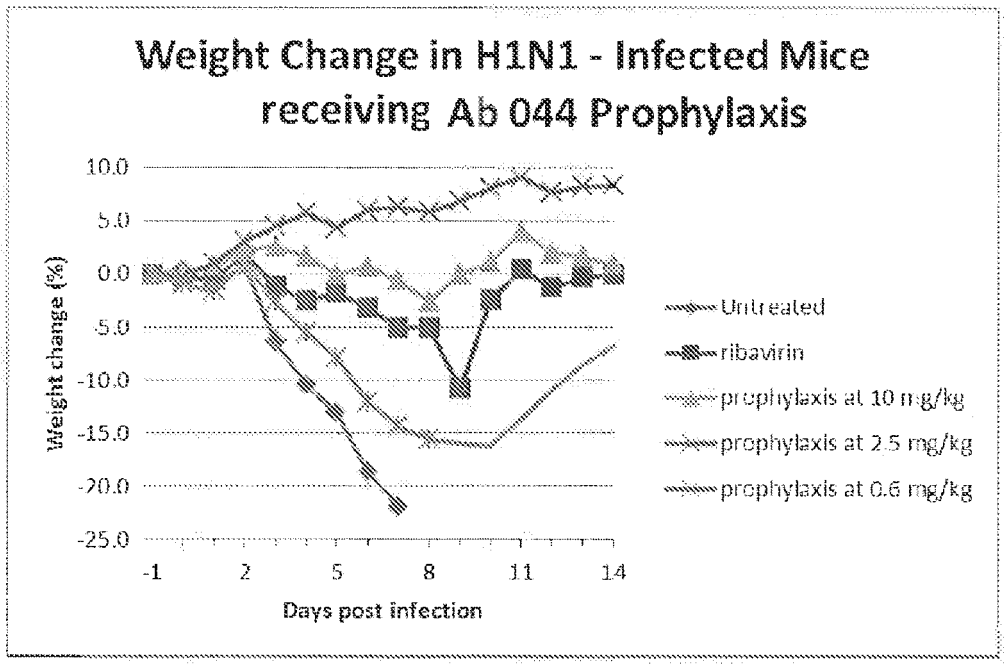


FIG. 19B

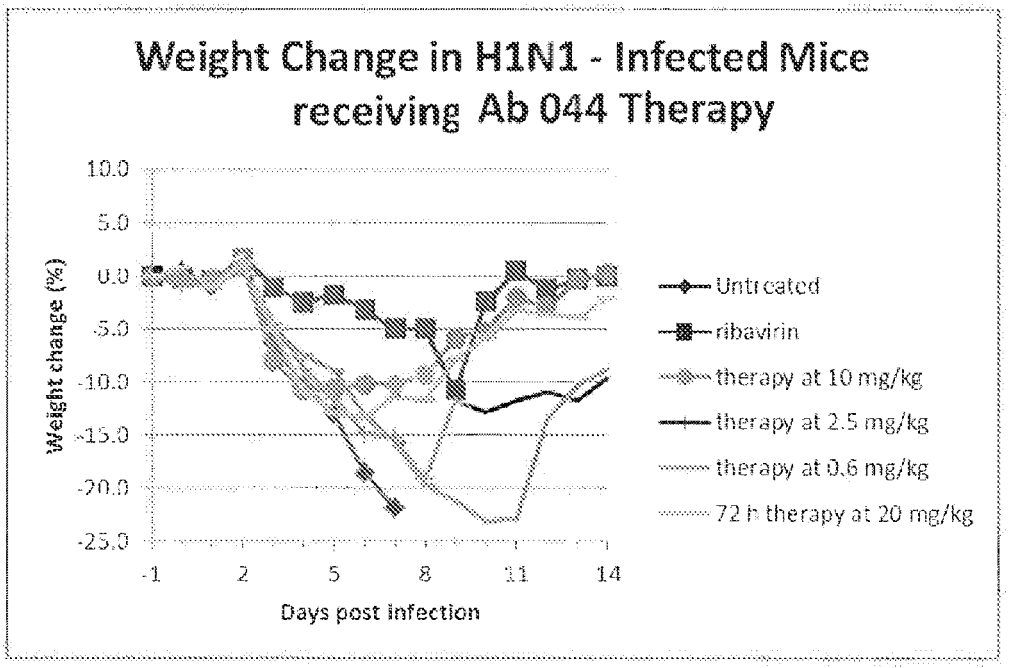


FIG. 20A

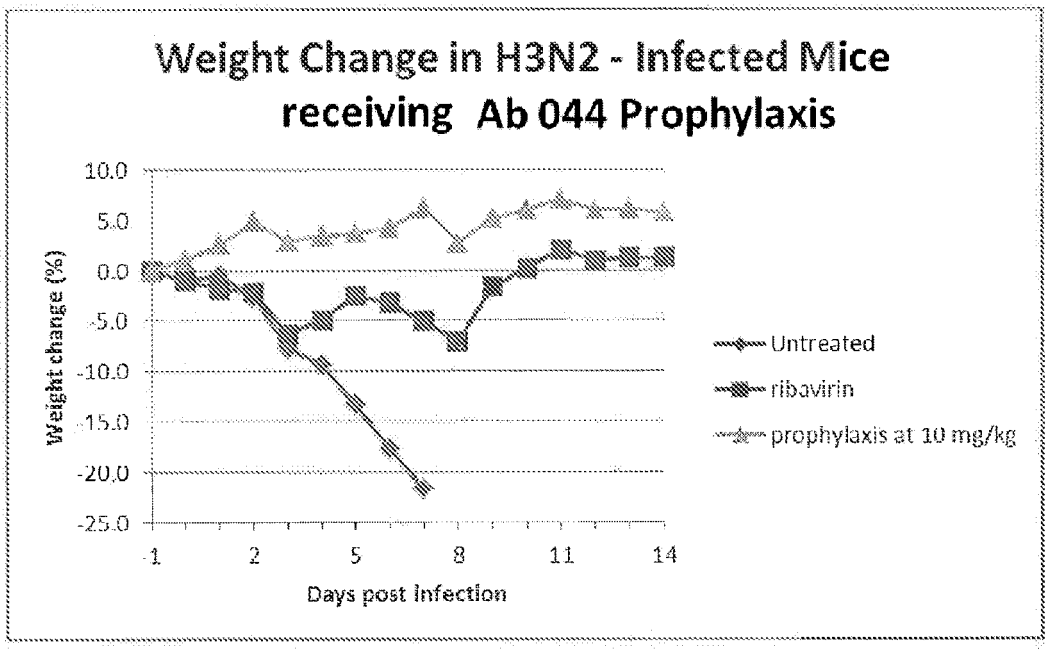


FIG. 20B

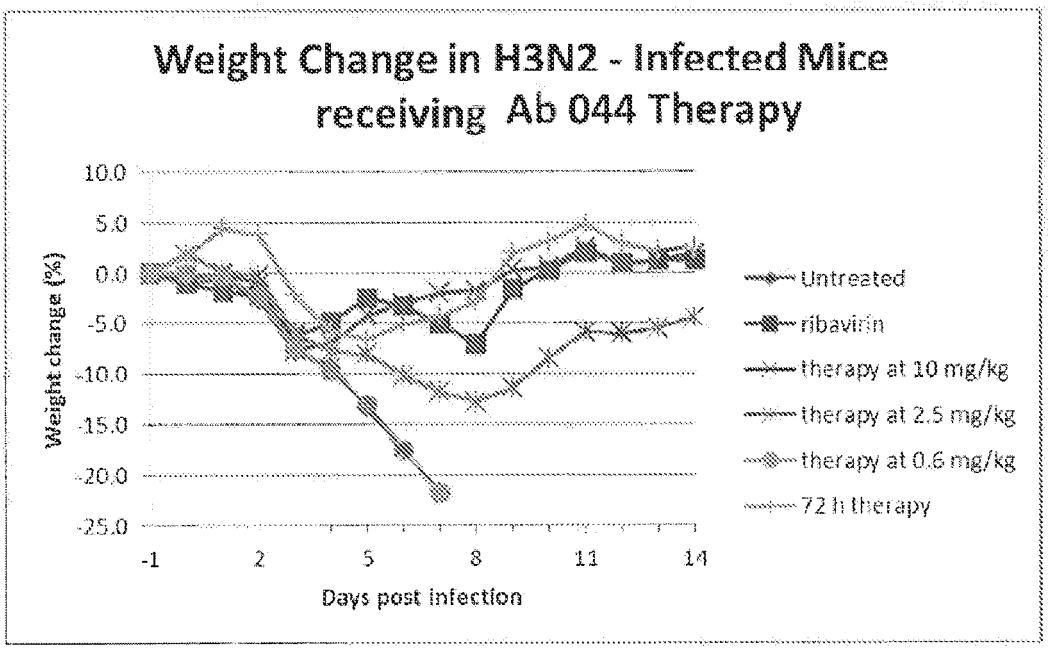


FIG. 21A

Treatment Group	Lung Viral Load H1N1 (PFU/ml)
Untreated	6.03
Ab 044 Prophylaxis 10 mg/Kg	4.45
Ab 044 Prophylaxis 2.5 mg/Kg	4.08
Ab 044 Prophylaxis 0.6 mg/Kg	5.38
Ab 044 Therapy 10 mg/Kg (48hpi)	5.34
Ab 044 Therapy 2.5 mg/Kg (48 hpi)	5.49
Ab 044 Therapy 0.6 mg/Kg (48hpi)	5.74
Ab 044 Therapy 20 mg/Kg (72hpi)	5.29

FIG. 21B

Treatment Group	Lung Viral Load H3N2 (PFU/ml)
Untreated	6.48
Ab 044 Prophylaxis 10 mg/Kg	5.42
Ab 044 Therapy 10 mg/Kg (48hpi)	5.46
Ab 044 Therapy 2.5 mg/Kg (48 hpi)	5.99
Ab 044 Therapy 0.6 mg/Kg (48hpi)	6.44
Ab 044 Therapy 20 mg/Kg (72hpi)	5.64

FIG. 22A

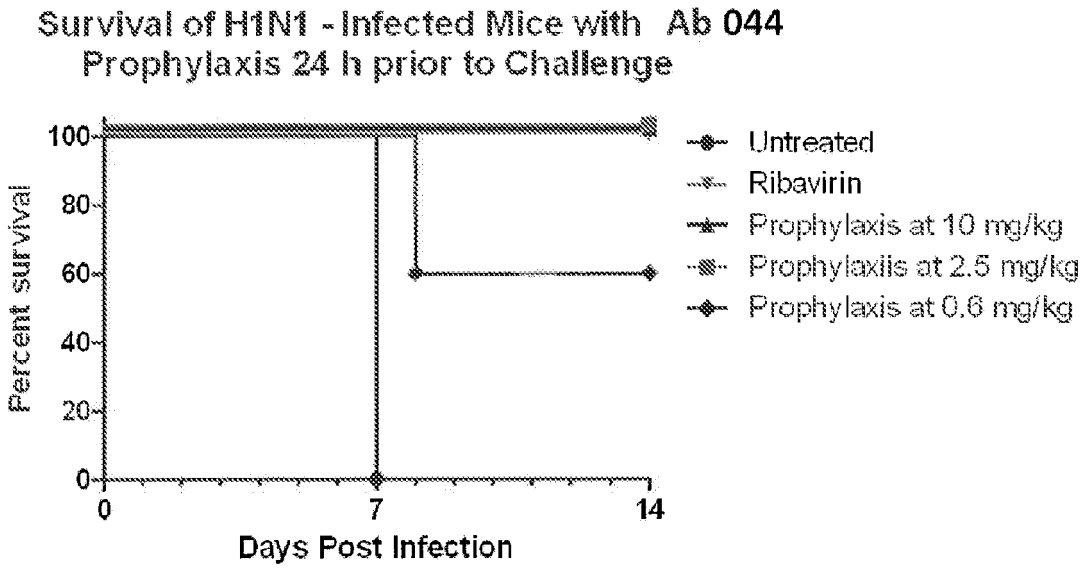


FIG. 22B

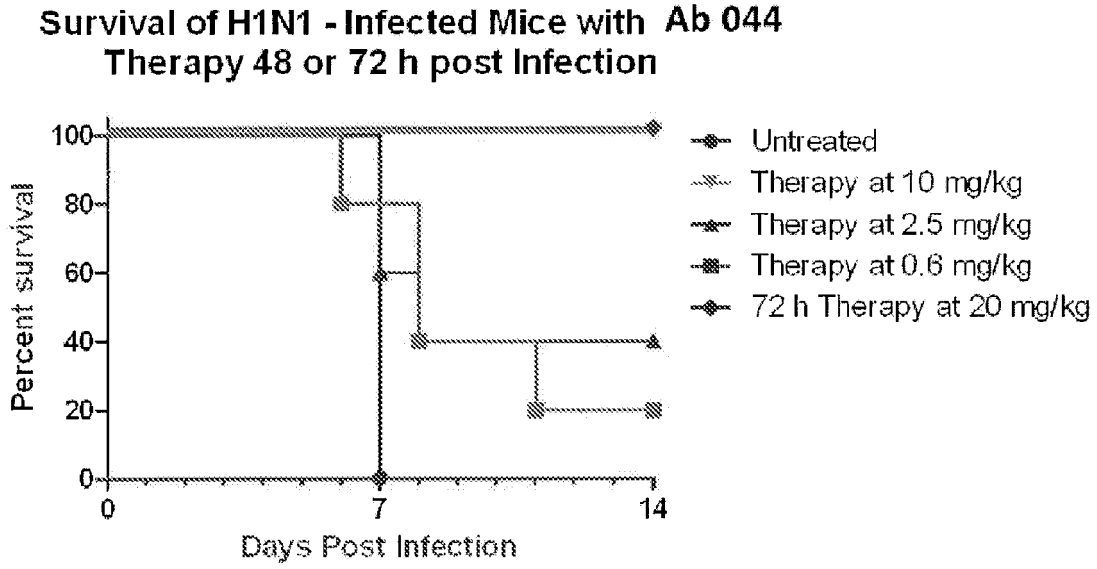


FIG. 23A

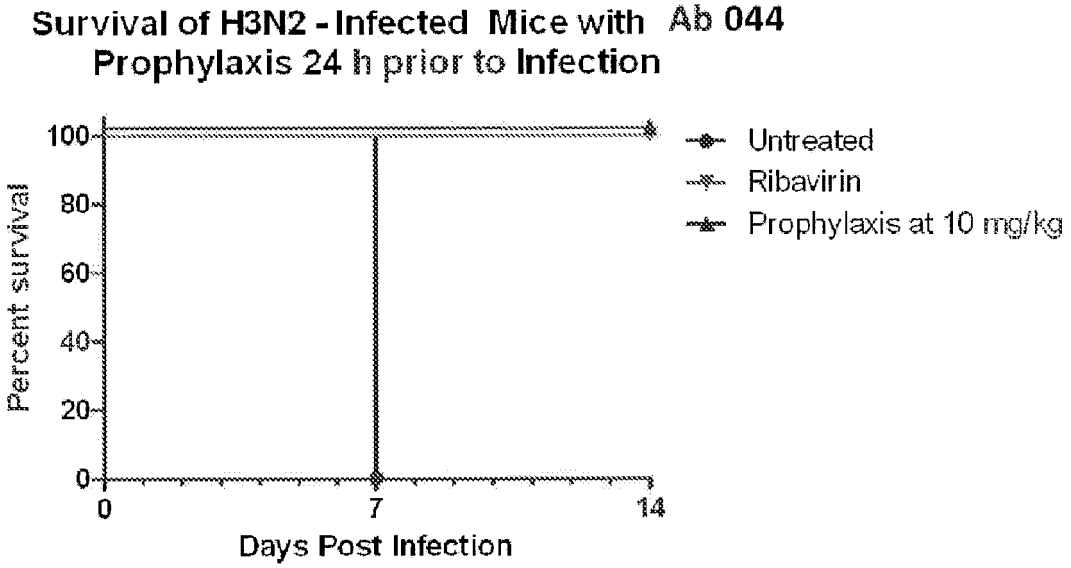


FIG. 23B

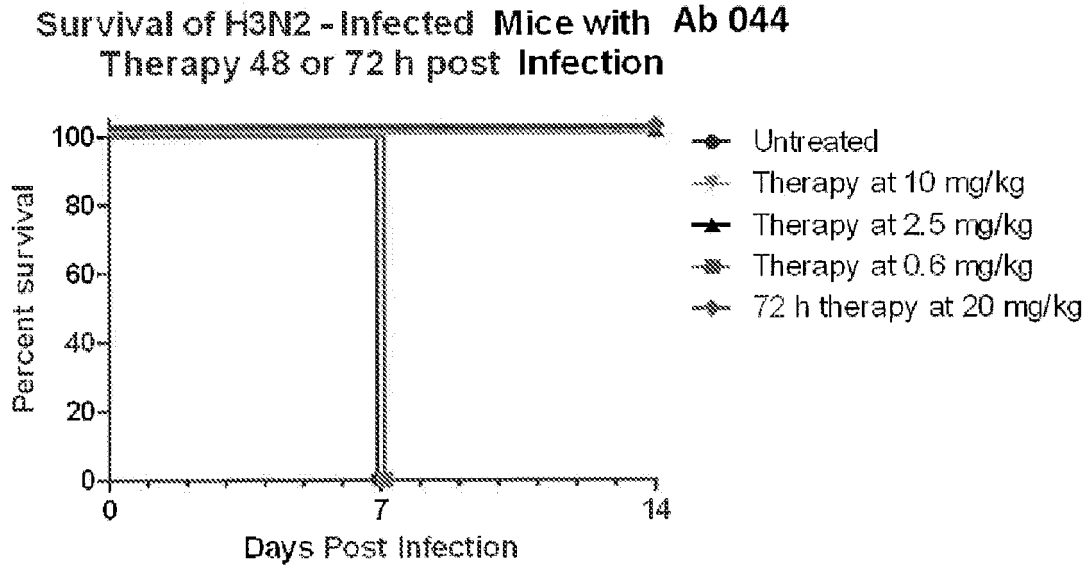


FIG. 24

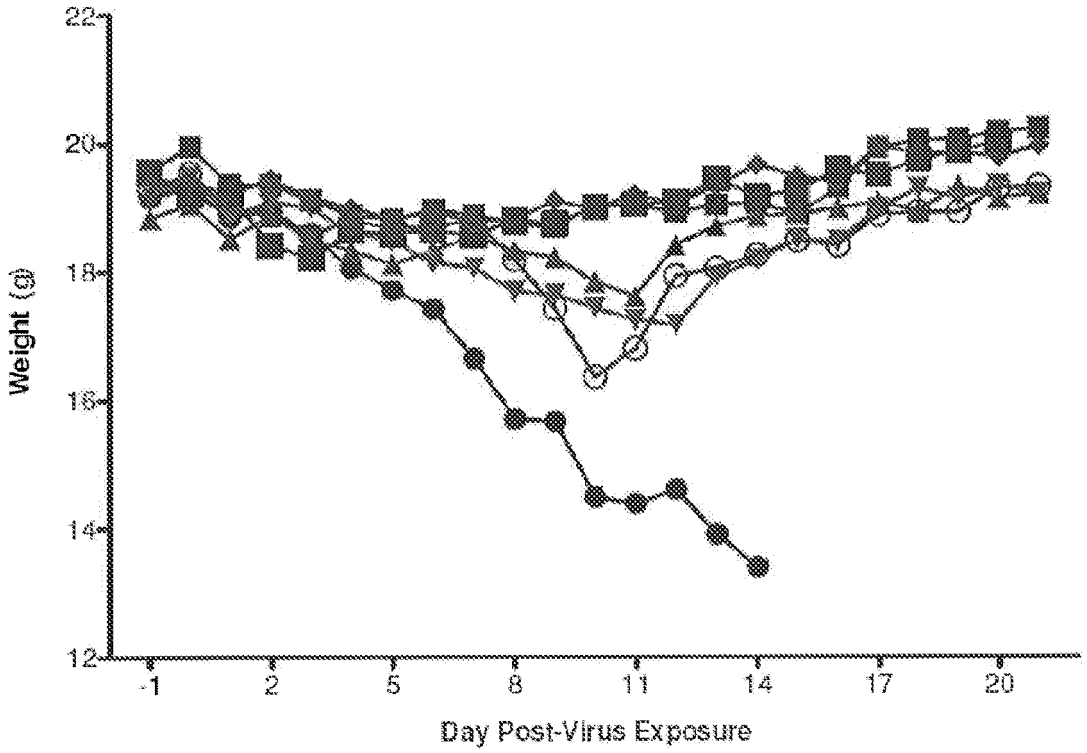
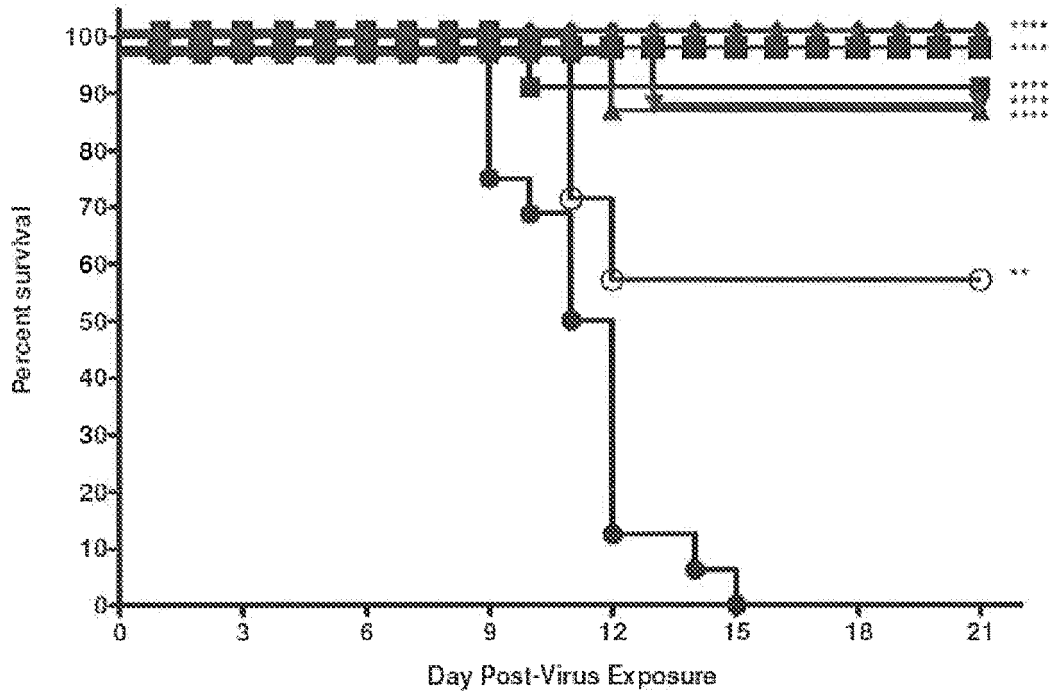

Weight (g)
22
20
18
16
14
12
-1
2
5
8
11
14
17
20
Day Post-Virus Exposure
PSS (qd X 1, +48h)
Ab 044 (20 mg/kg/d, qd X 1, -24)
Ab 044 (10 mg/kg/d, qd X 1, -24)
Ab 044 (5 mg/kg/d, qd X 1, -24)
Ab 044 (20 mg/kg/d, qd X 1, +24)
Ab 044 (20 mg/kg/d, qd X 1, +48)
Oseltamivir (30 mg/kg/d, bid X 5, 0h)

FIG. 25



PSS (qd X 1, +48h)
Ab 044 (20 mg/kg/d, qd X 1, -24) **** P<0.0001 vs. PSS
Ab 044 (10 mg/kg/d, qd X 1, -24) **** P<0.0001 vs. PSS
Ab 044 (5 mg/kg/d, qd X 1, -24) **** P<0.0001 vs. PSS
Ab 044 (20 mg/kg/d, qd X 1, +24) **** P<0.0001 vs. PSS
Ab 044 (20 mg/kg/d, qd X 1, +48) **** P<0.0001 vs. PSS
Oseltamivir (30 mg/kg/d, bid X 5, 0h) ** P = 0.0055 vs. PSS

FIG. 26

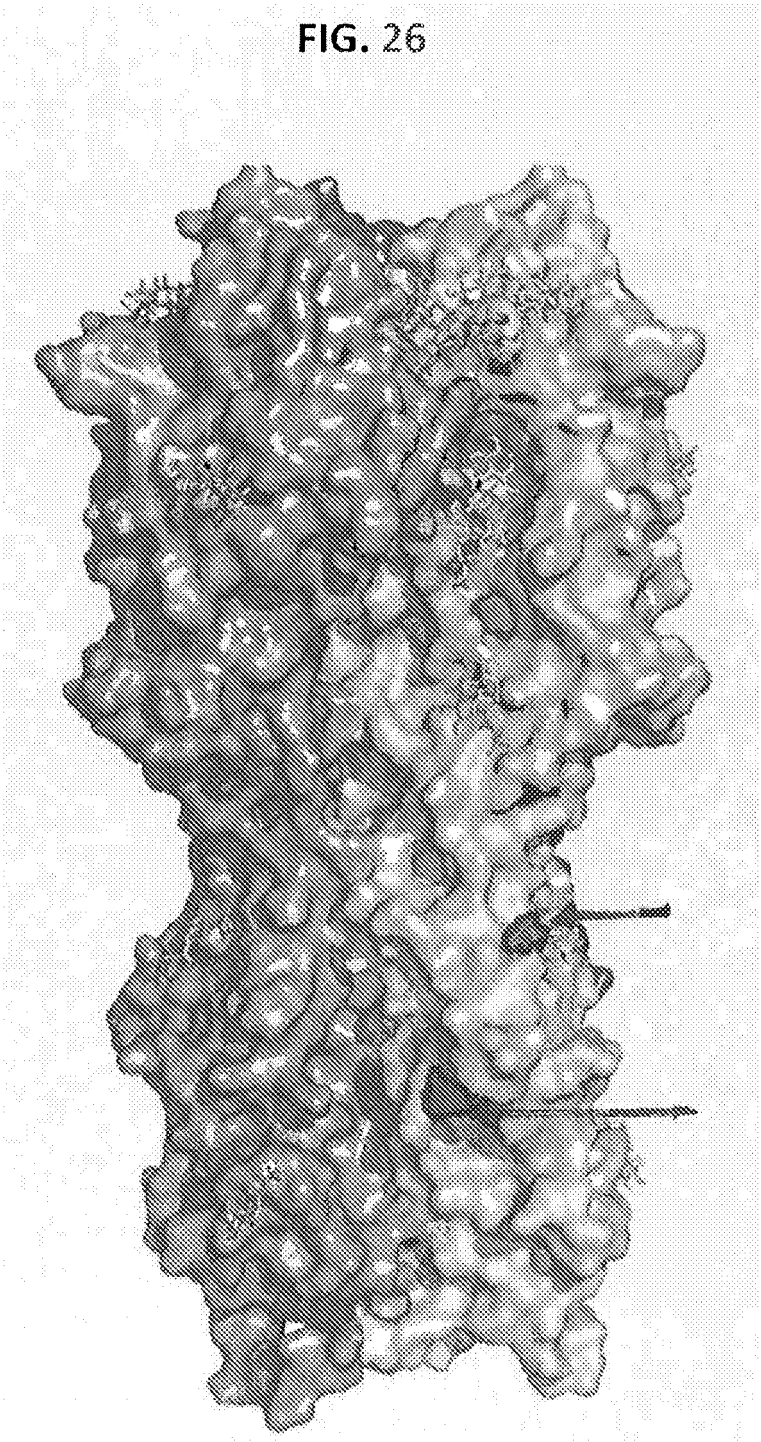


FIG. 27

