FIG. 1A

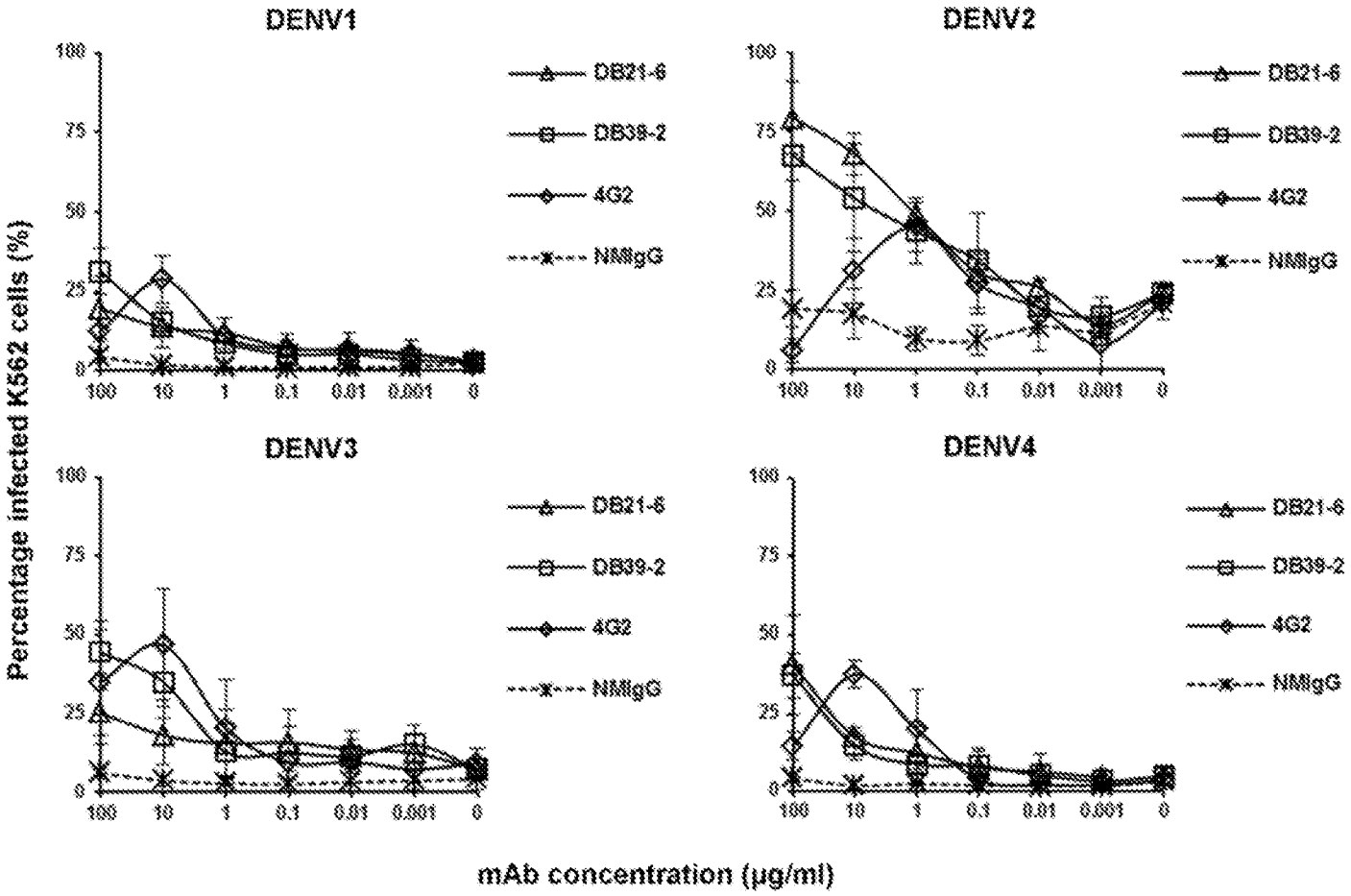

DENV1
DENV2
DENV3
DENV4
DB21-6
DB39-2
4G2
NMIgG
Percentage infected K562 cells (%)
mAb concentration (μg/ml)

FIG. 1B

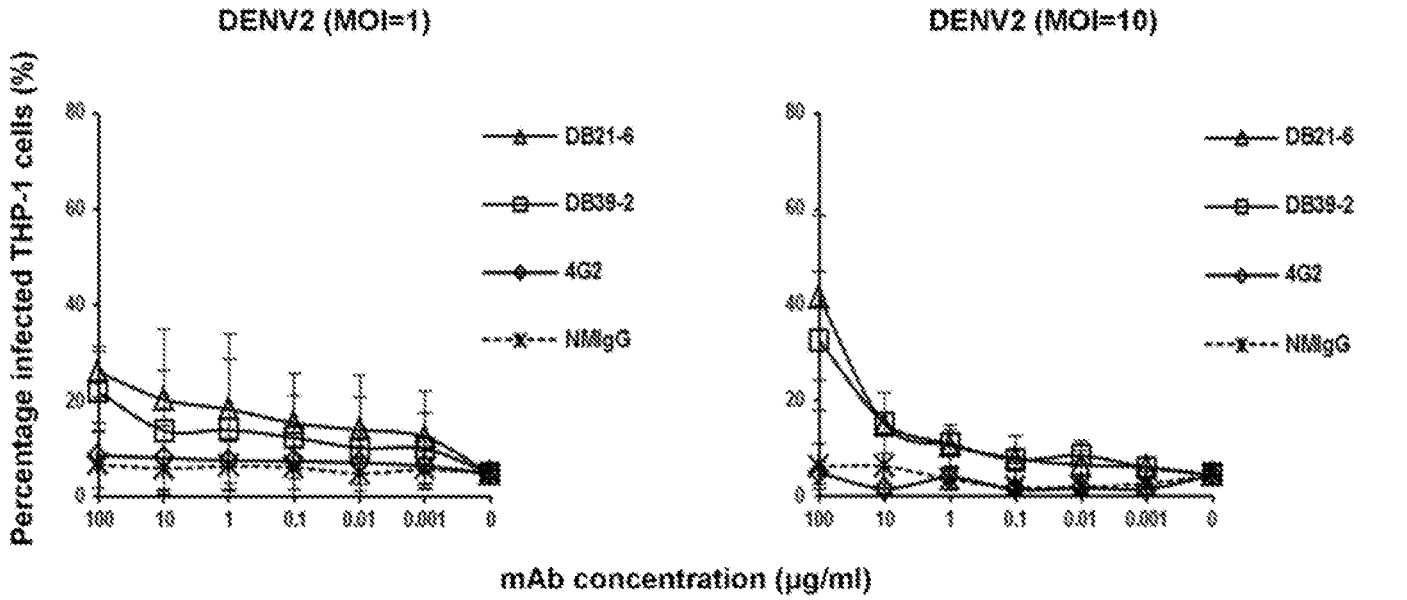

DENV2 (MOI=1)
DENV2 (MOI=10)
DB21-6
DB39-2
4G2
NMIgG
Percentage infected THP-1 cells (%)
mAb concentration (μg/ml)

FIG. 2A

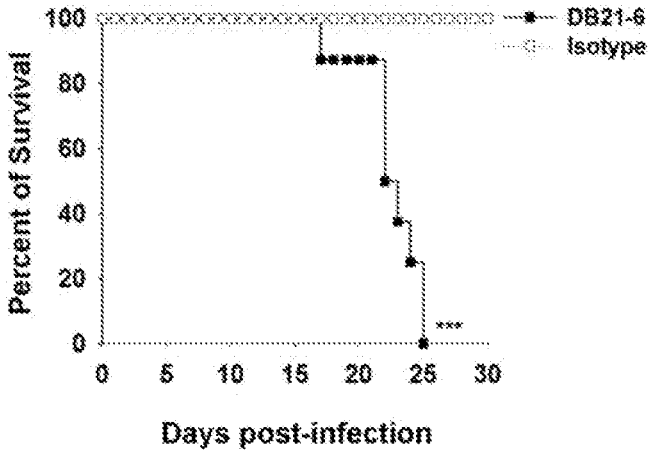


FIG. 2B

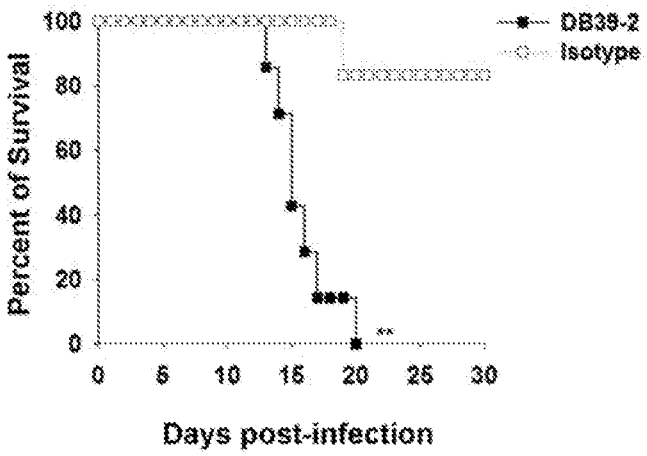


FIG. 2C

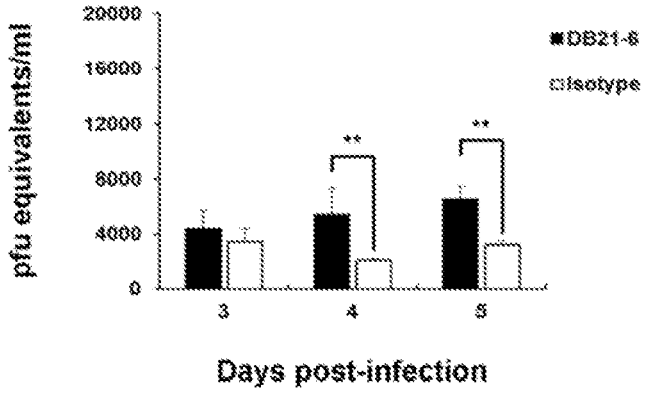


FIG. 2D

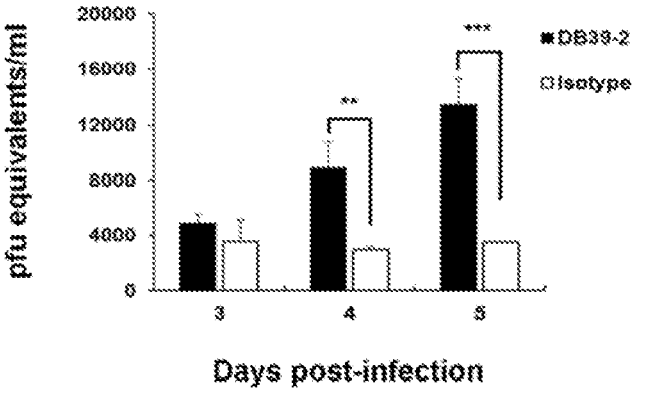


FIG. 2E

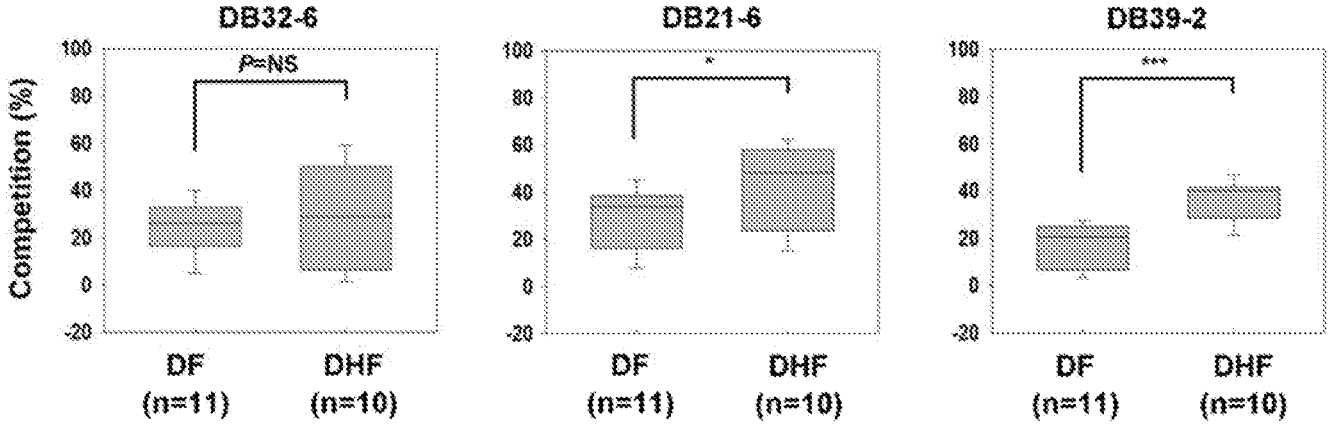


FIG. 3A

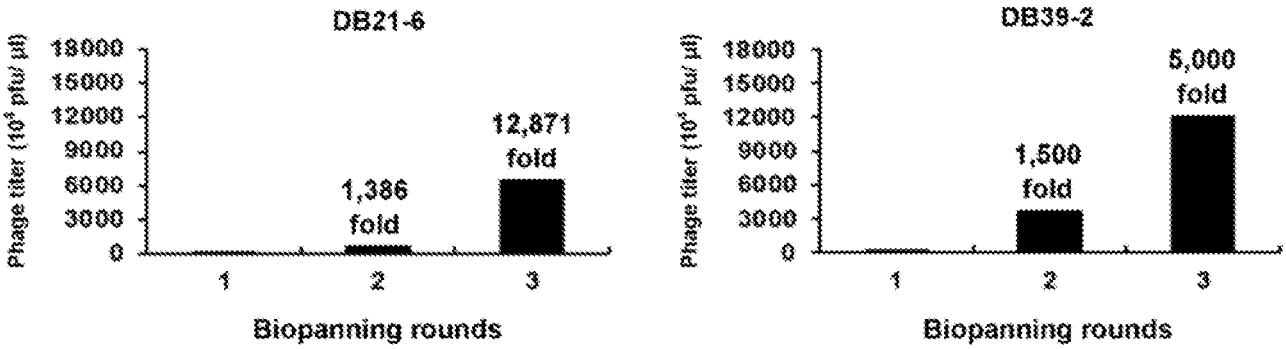

DB21-6
Phage titer (10^3 pfu/ μl)
18000
15000
12000
9000
6000
3000
0
1,386 fold
12,871 fold
1
2
3
Biopanning rounds
DB39-2
Phage titer (10^3 pfu/ μl)
1,500 fold
5,000 fold
Biopanning rounds

FIG. 3B

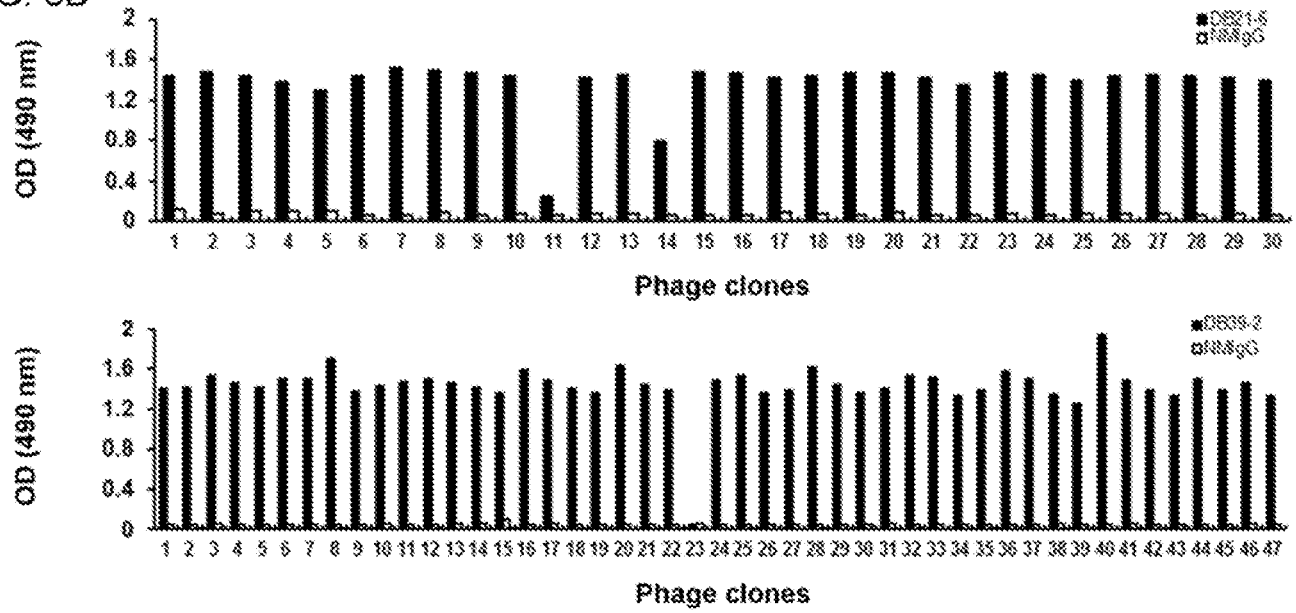

OD (490 nm)
2
1.6
1.2
0.8
0.4
0
Phage clones
OD (490 nm)
Phage clones

FIG. 4A

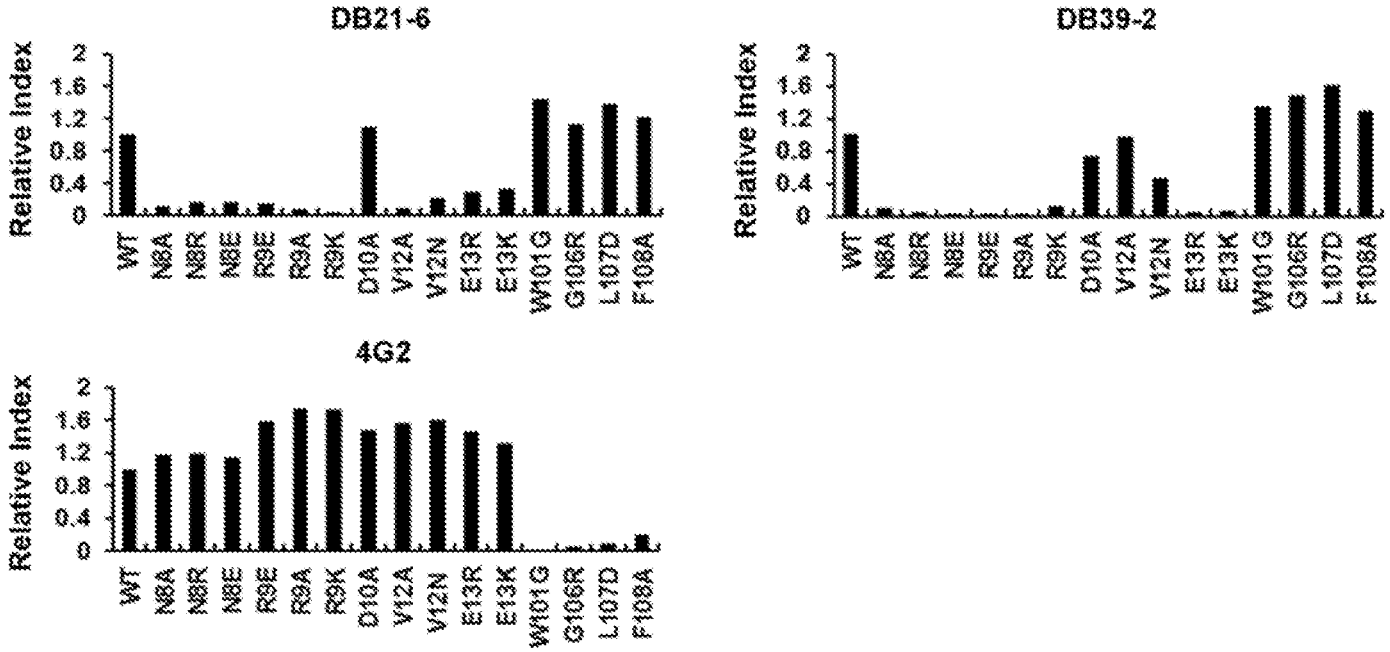


FIG. 4B

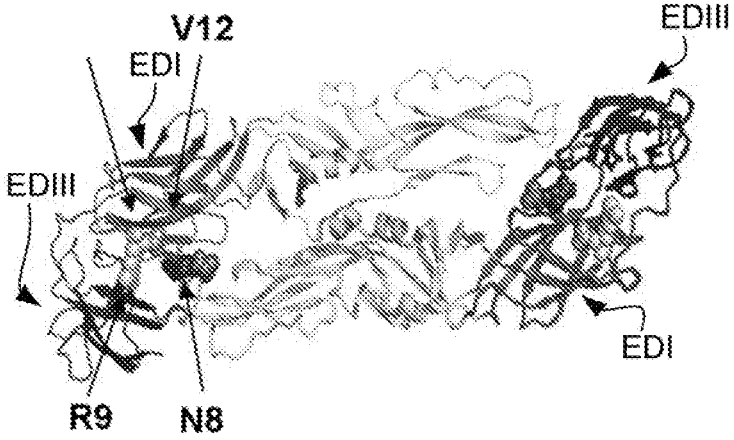


FIG. 4C

Distance °A	N8	R9	V12	E13
N8	70.68	7.19	12.31	16.51
R9	81.74	88.58	8.79	12.33
V12	81.4	88.37	92.66	5.67
E13	88.77	93.73	96.93	101.38

FIG. 4D

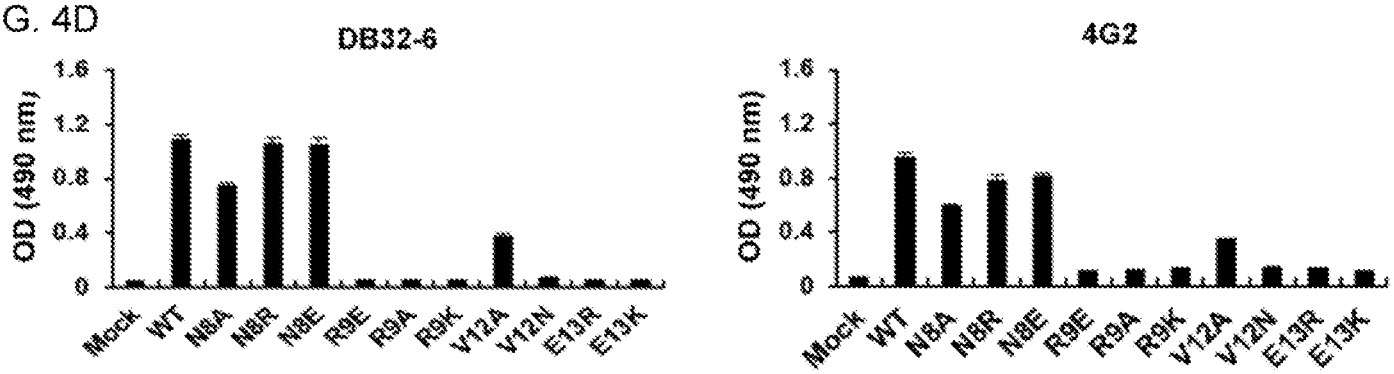


FIG. 5A

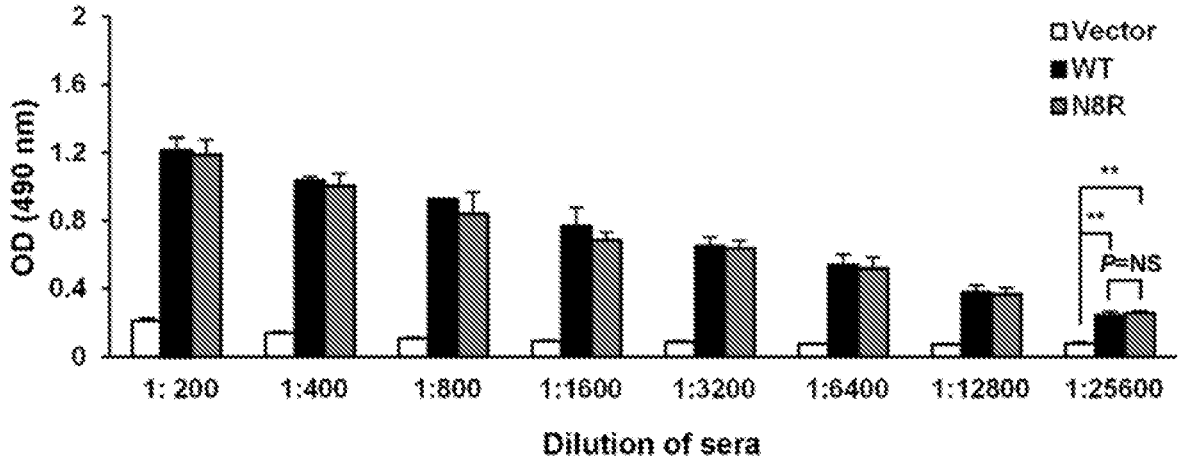


FIG. 5B

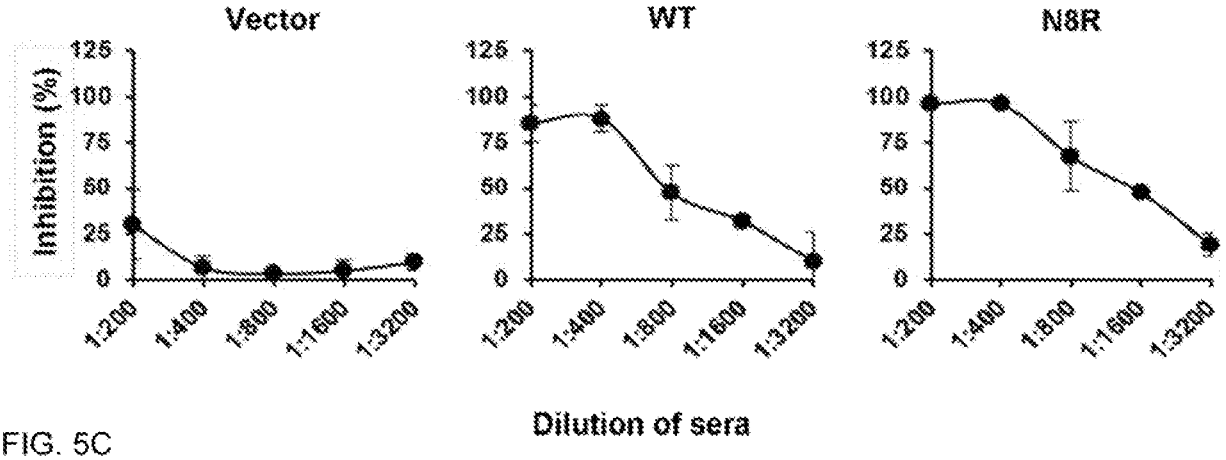


FIG. 5C

Groups	The 50% inhibition titers against DENV2 (mean ± SD)
Vector	<25
WT	859.4 ± 83.32
N8R	1425 ± 109.3

FIG. 5D

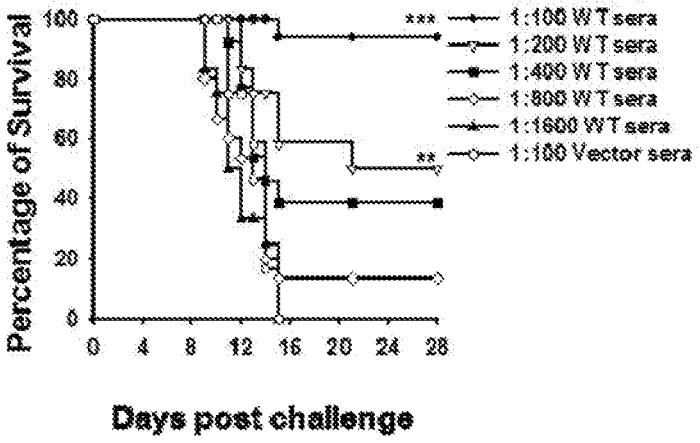


FIG. 5E

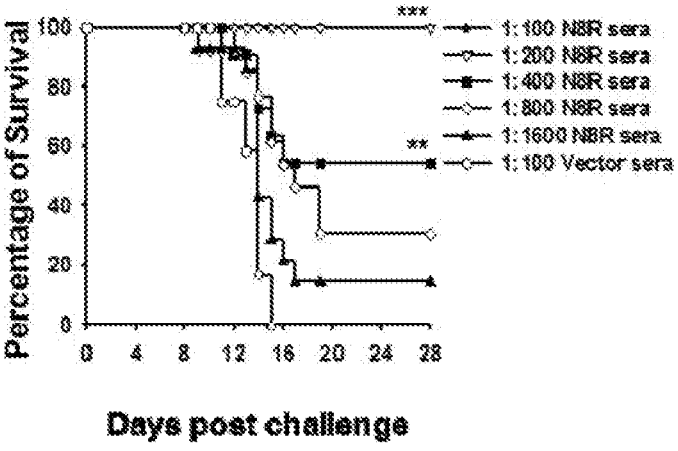


FIG. 6A

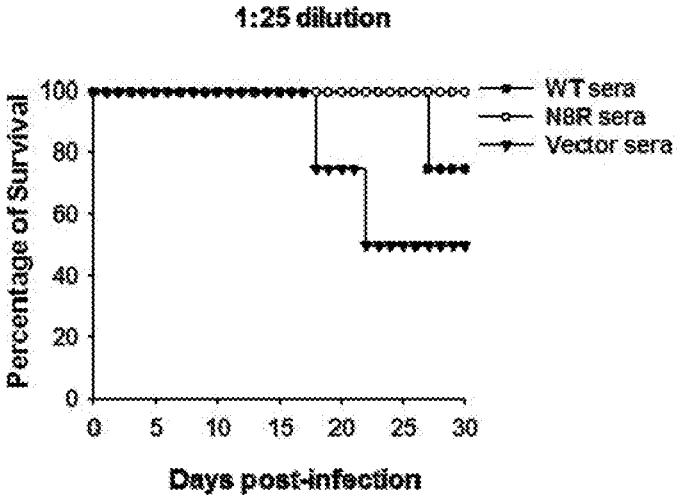


FIG. 6B

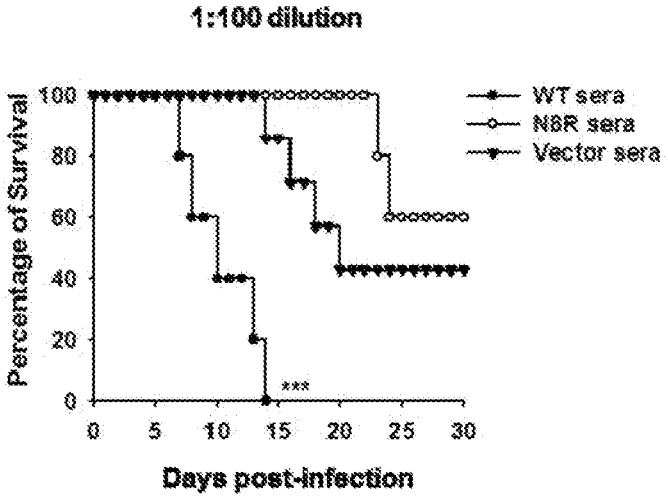


FIG. 6C

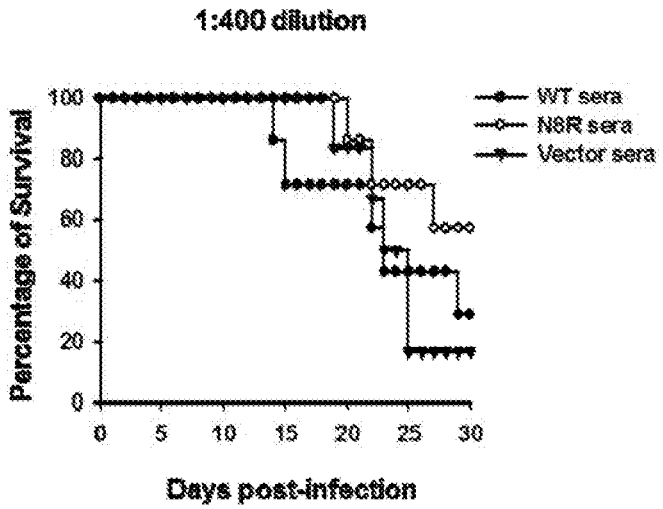


FIG. 6D

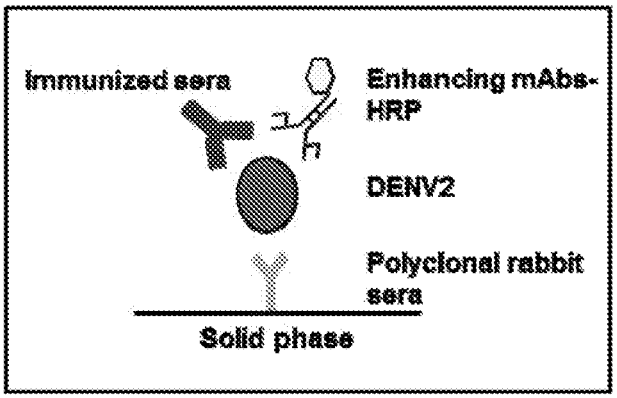


FIG. 6E

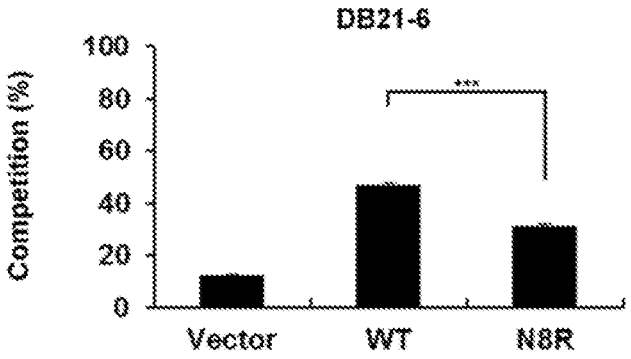


FIG. 6F

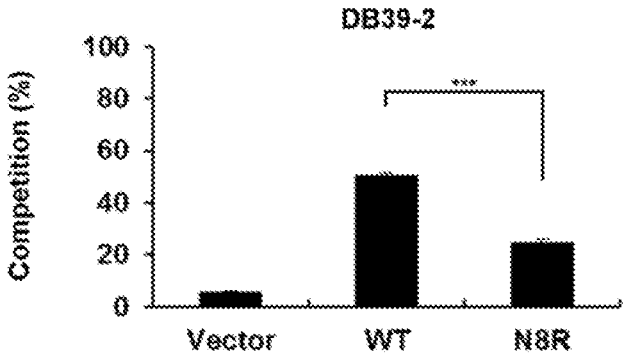


FIG. 7A

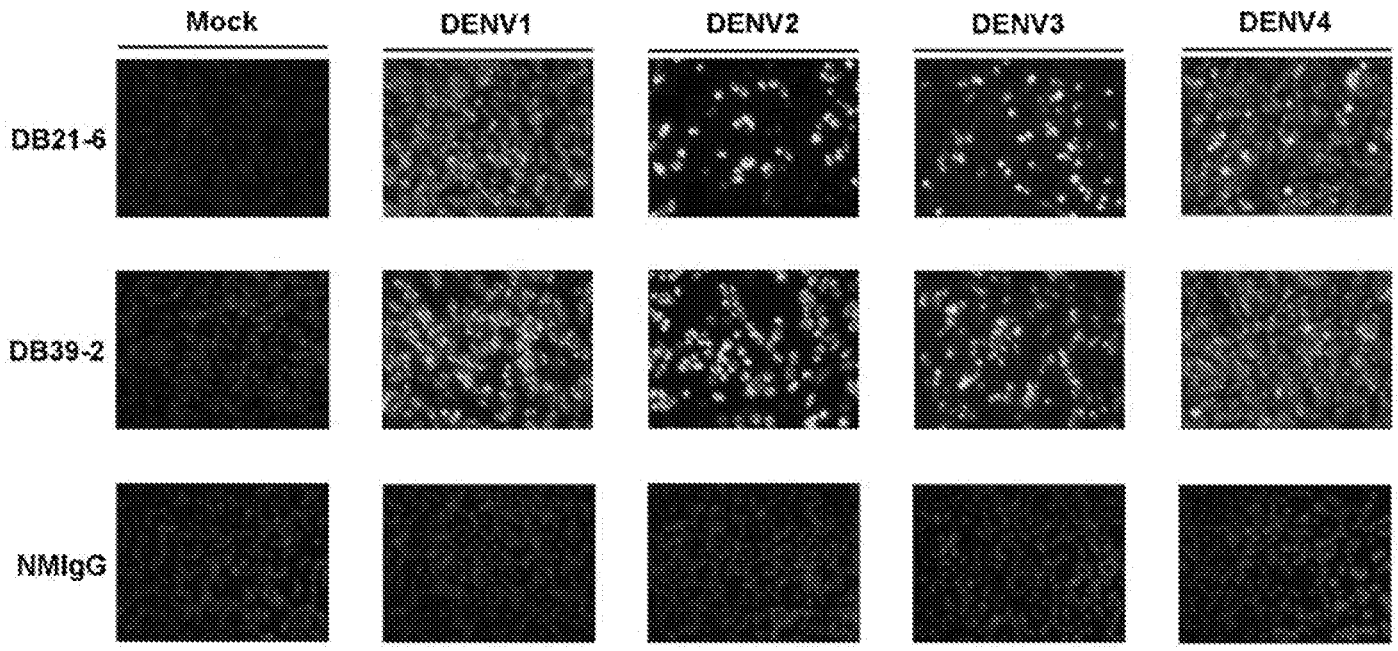


FIG. 7B

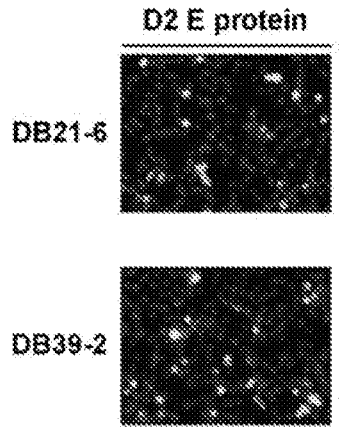


FIG. 7C

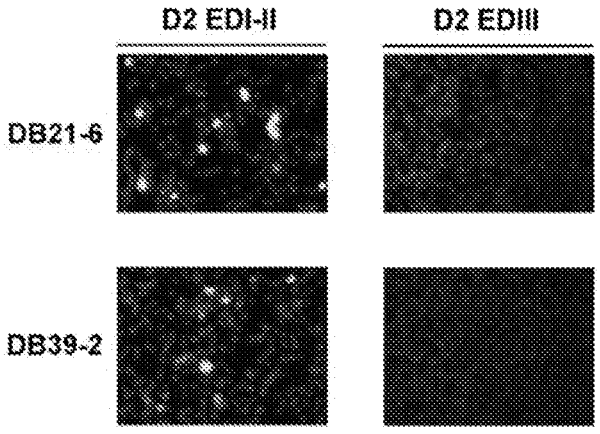


FIG. 8A

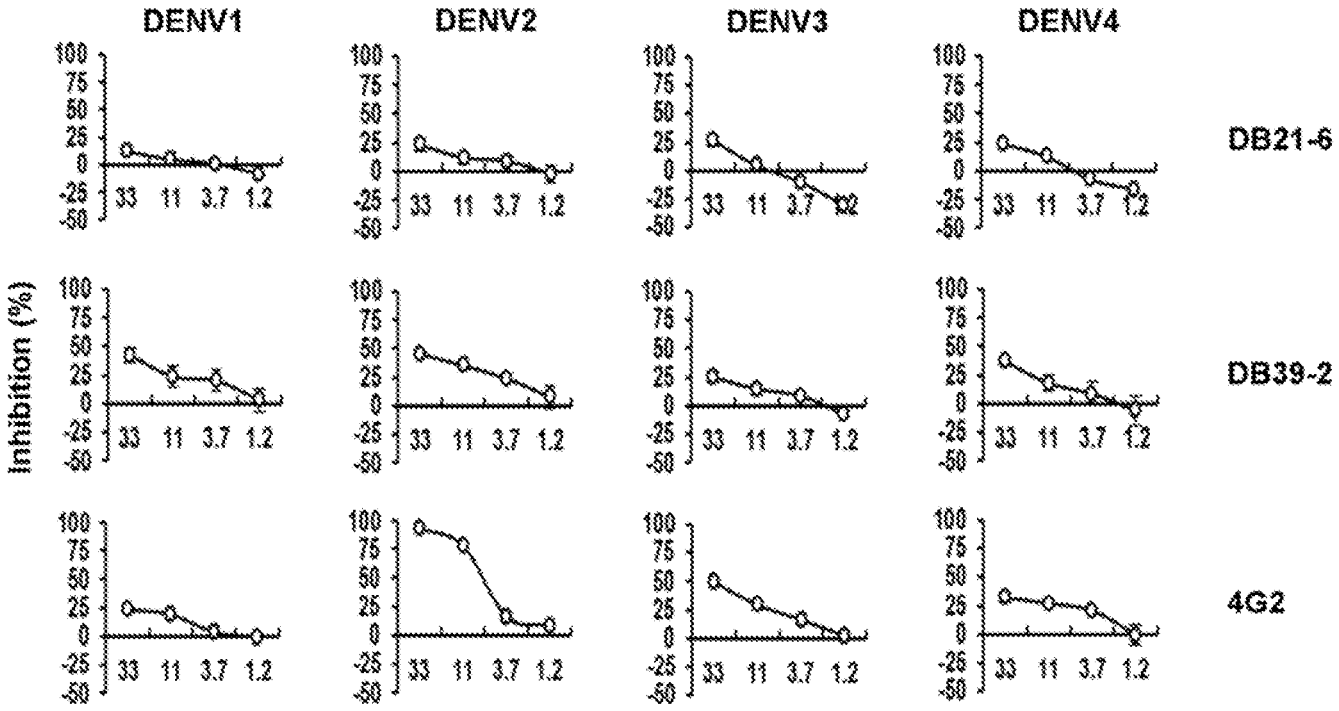


FIG. 8B

mAbs	The concentration of 50% inhibition percentage (μg/ml)			
	DENV1	DENV2	DENV3	DENV4
DB21-6	>33	>33	>33	>33
DB39-2	>33	>33	>33	>33
4G2	>33	7.1	>33	>33

FIG. 9A

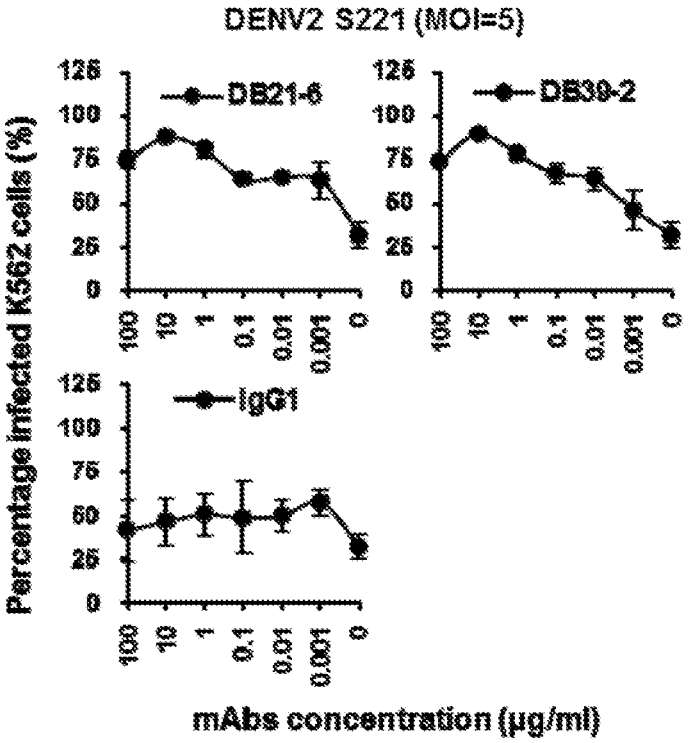


FIG. 9B

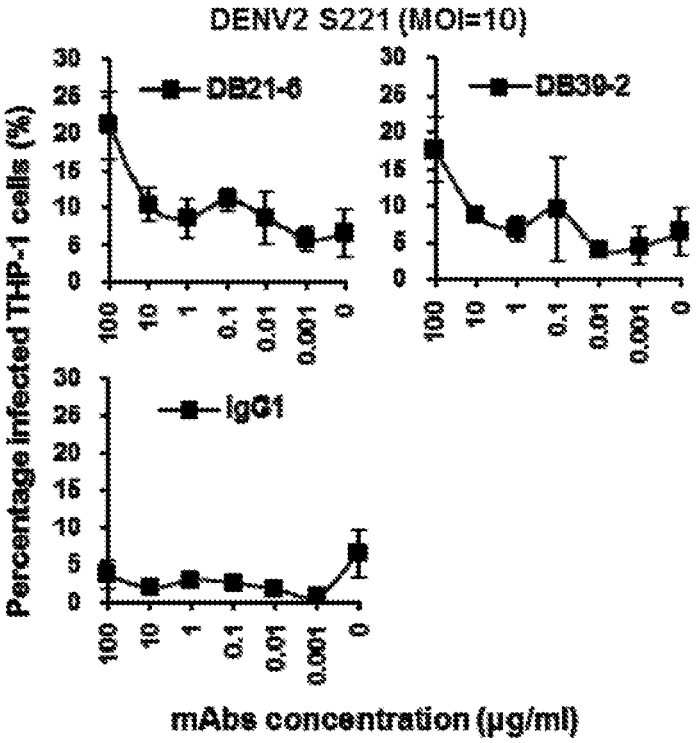


FIG. 10A

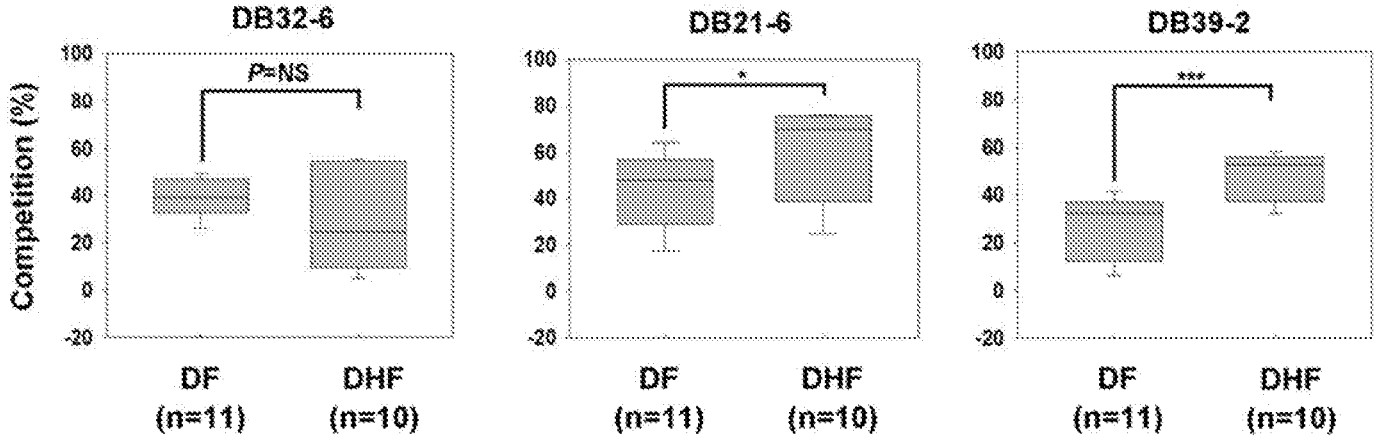


FIG. 10B

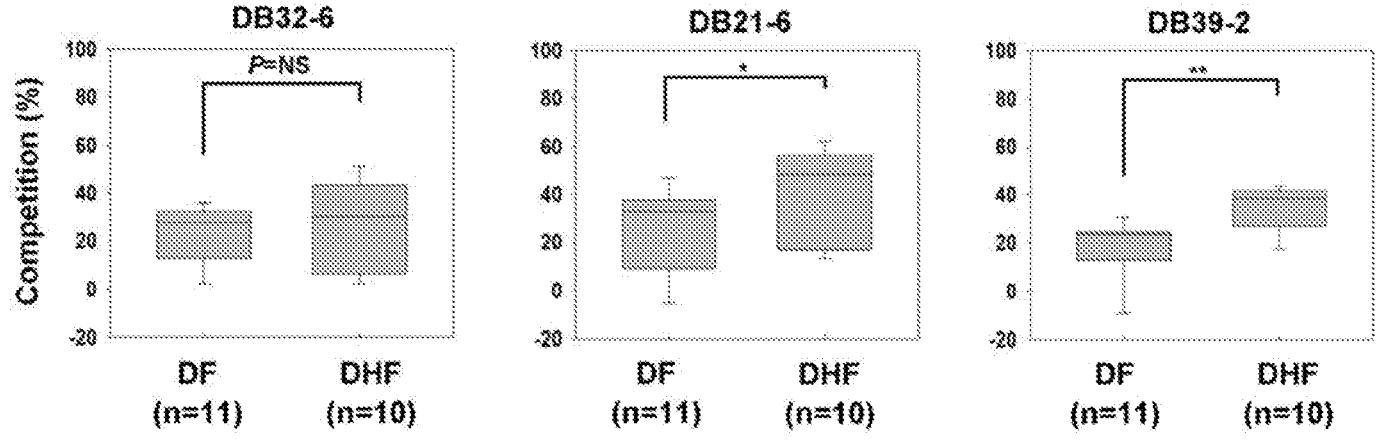


FIG. 11A

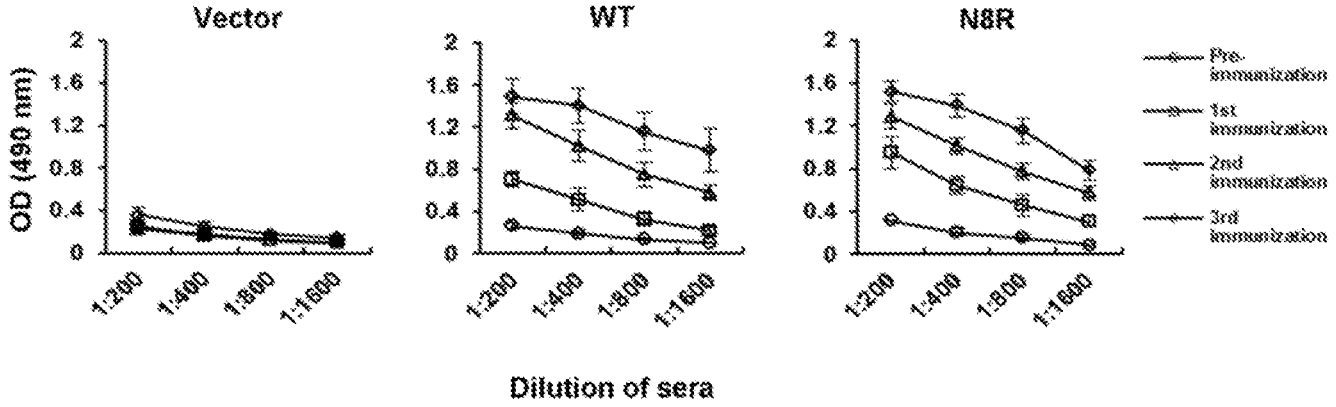


FIG. 11B

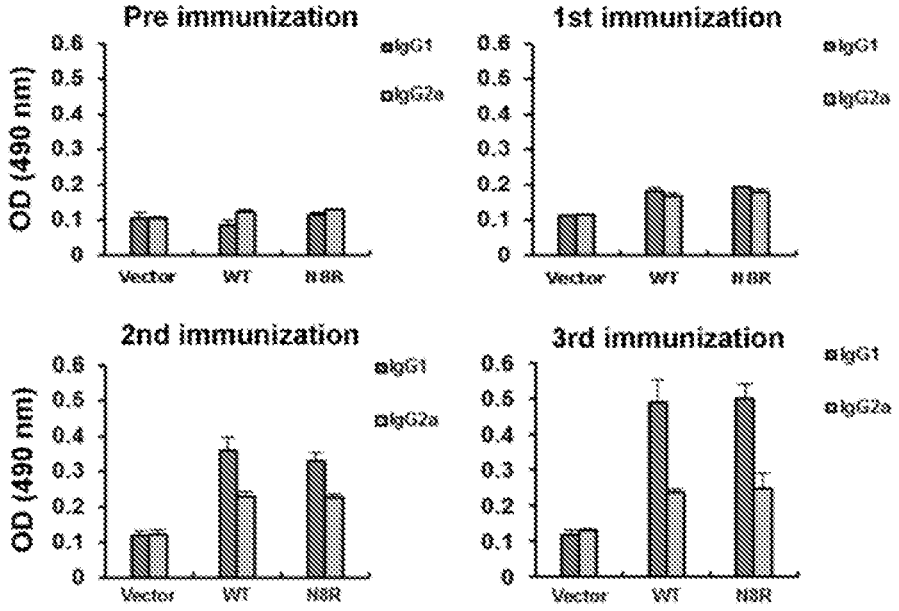


FIG. 11C

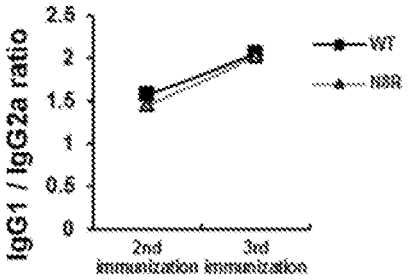


FIG. 11D

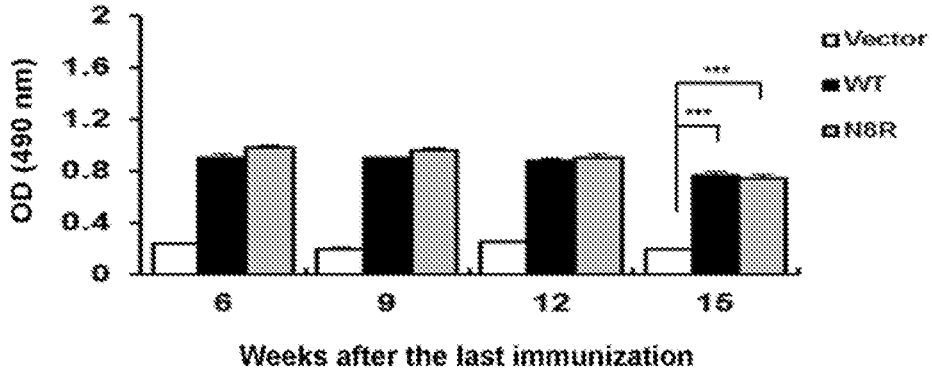


FIG. 12A

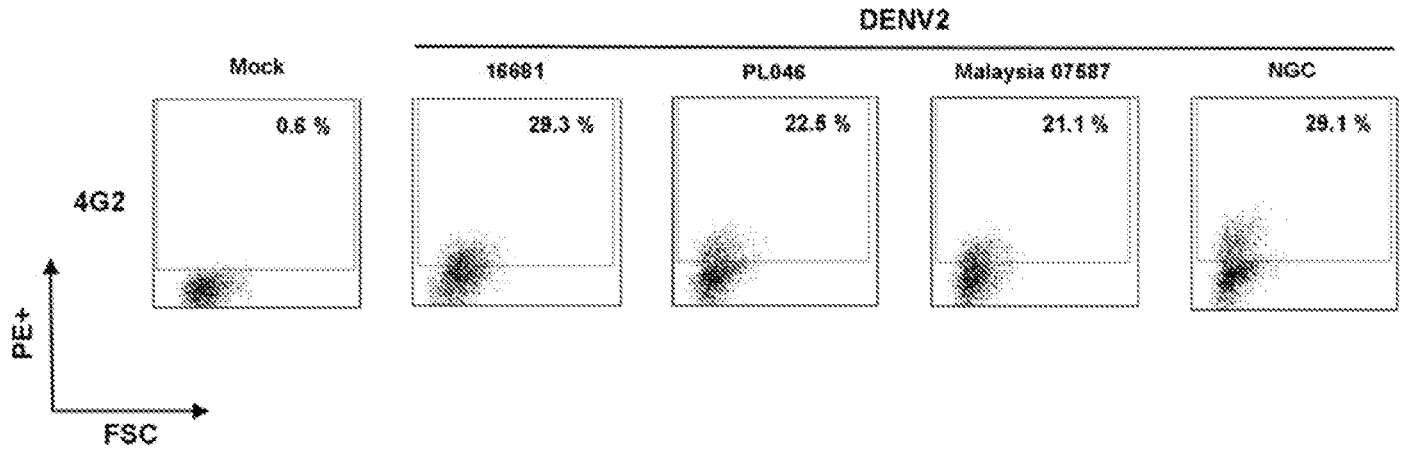


FIG. 12B

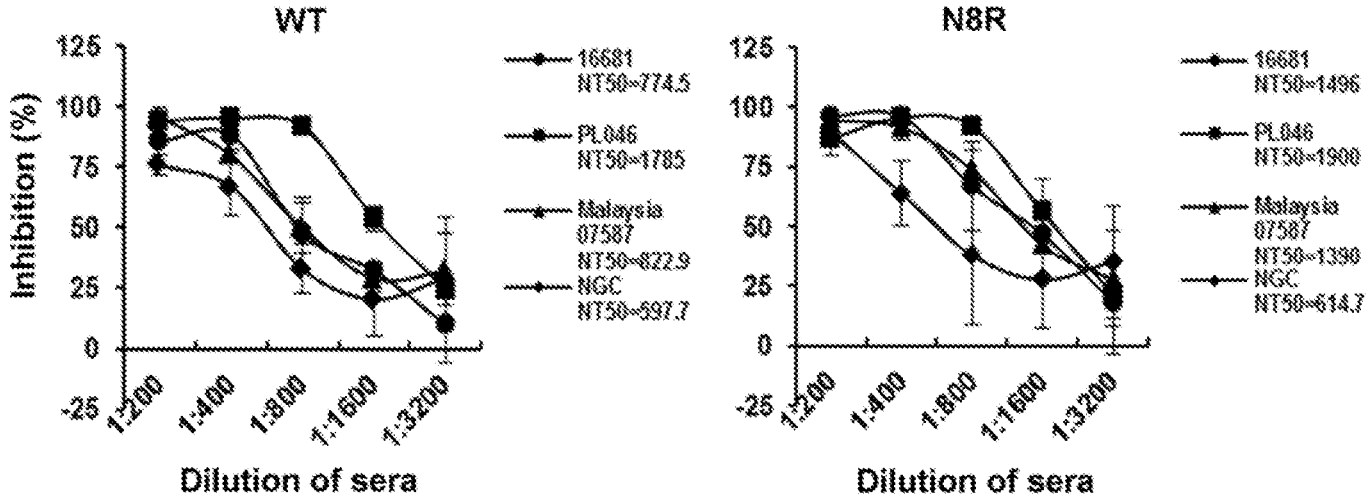


FIG. 13

