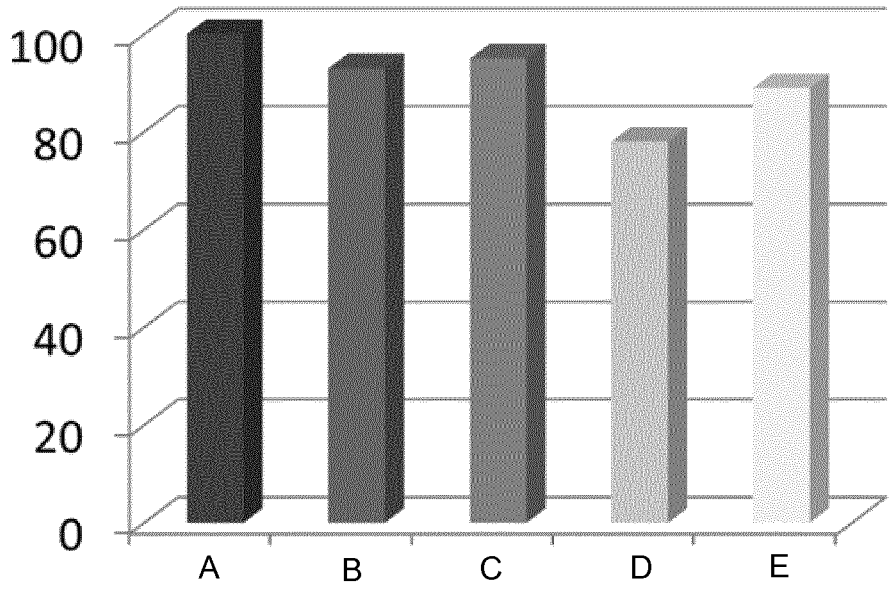


Fig. 1

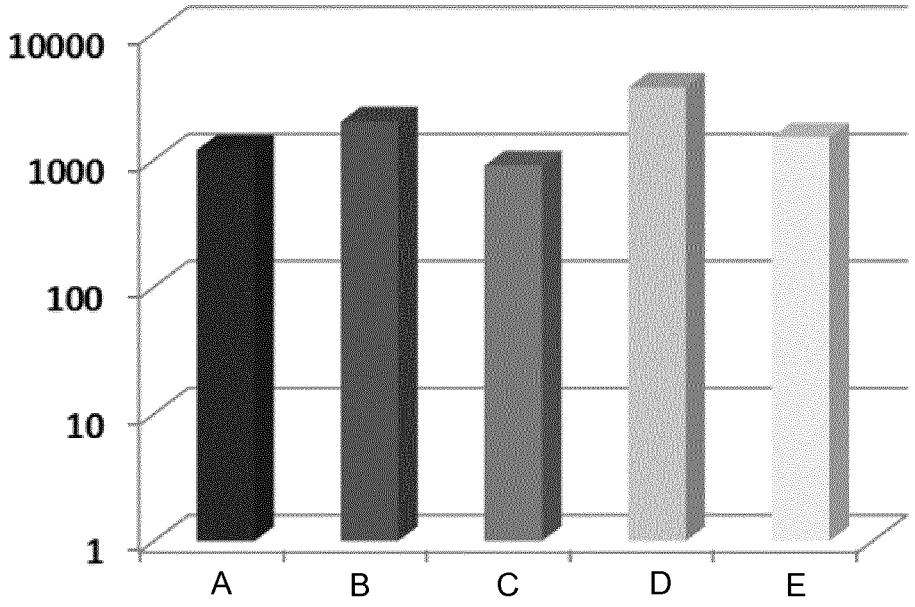


Fig. 2

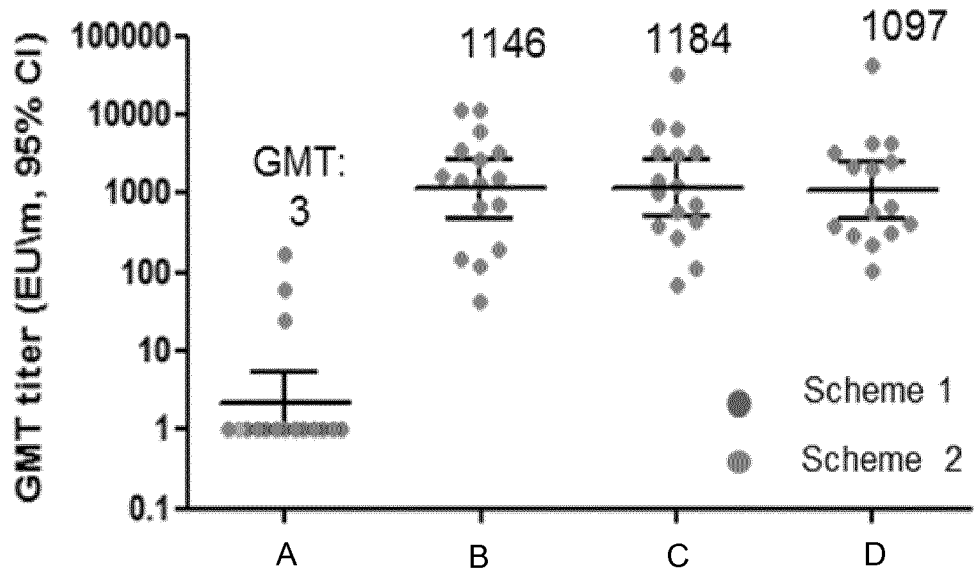

GMT titer (EU\m, 95% CI)
100000
10000
1000
100
10
1
0.1
GMT:
3
1146
1184
1097
Scheme 1
Scheme 2
A
B
C
D

Fig. 3A

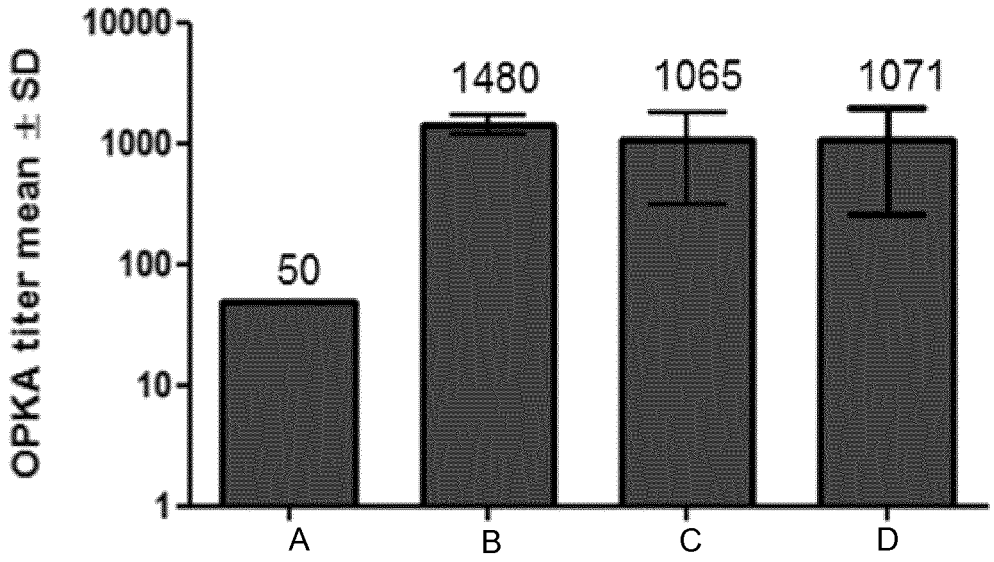

OPKA titer mean ± SD
10000
1000
100
10
1
50
1480
1065
1071
A
B
C
D

Fig. 3B

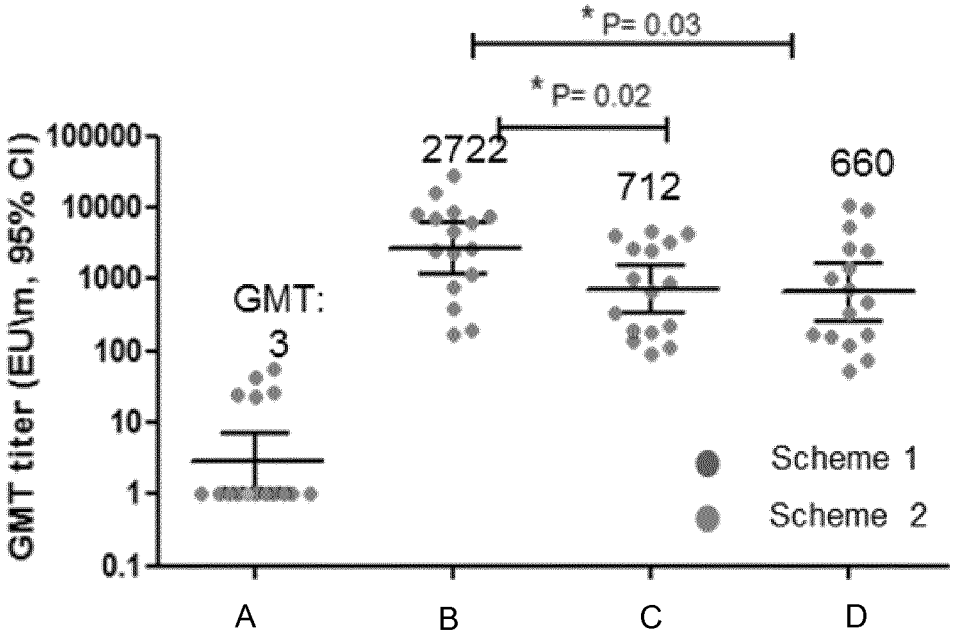

* P= 0.03
* P= 0.02
GMT titer (EU\m, 95% CI)
100000
10000
1000
100
10
1
0.1
GMT:
3
2722
712
660
Scheme 1
Scheme 2
A
B
C
D

Fig. 4A

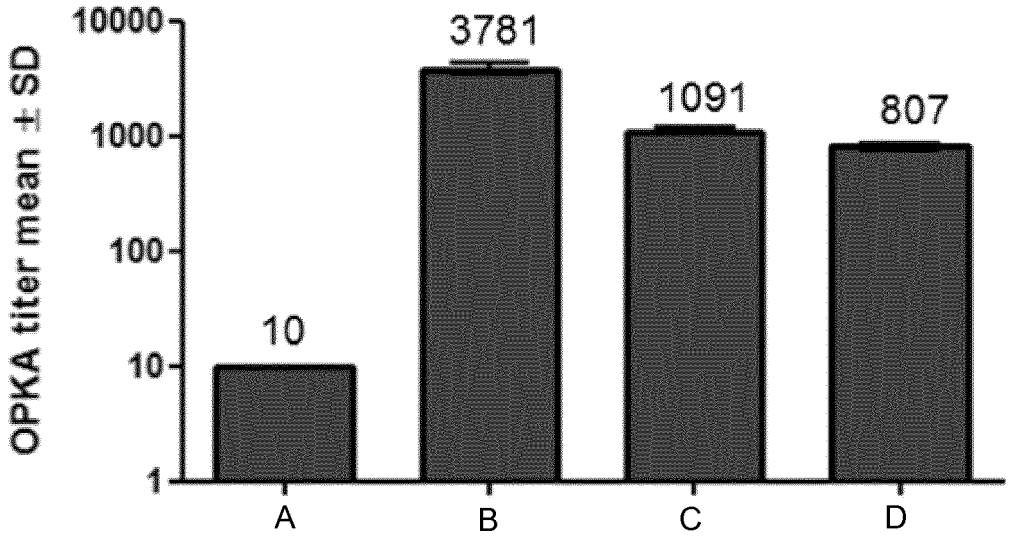

OPKA titer mean ± SD
10000
1000
100
10
1
10
3781
1091
807
A
B
C
D

Fig. 4B

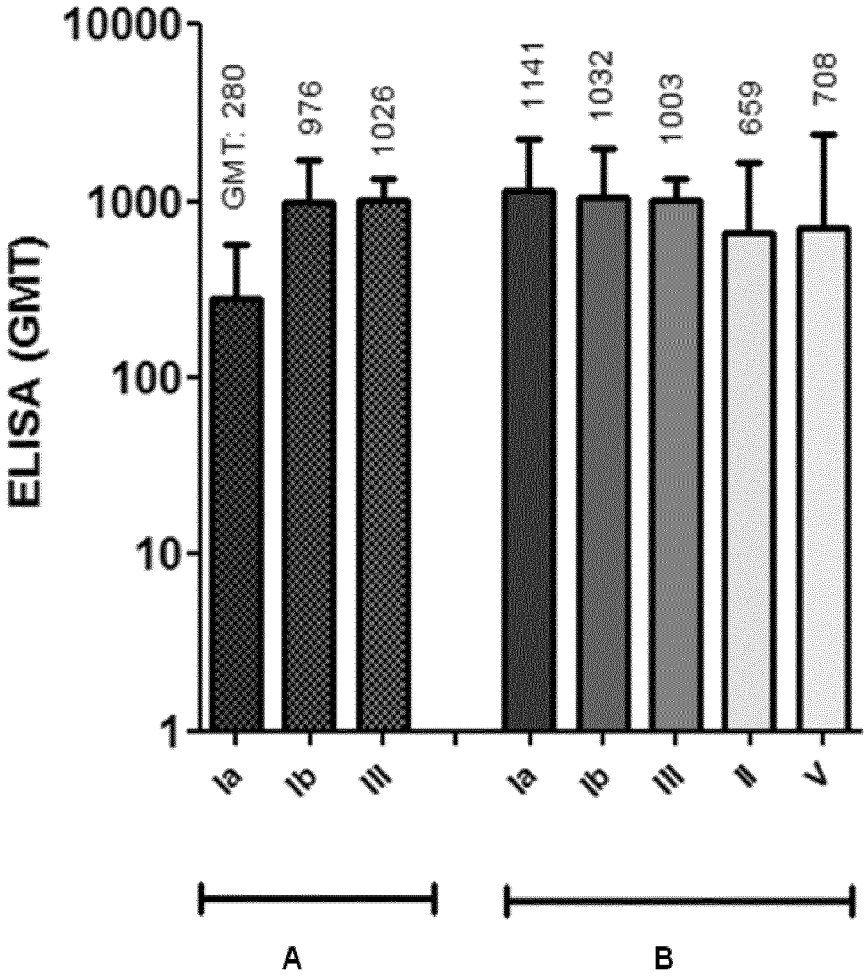

10000
1000
100
10
1
ELISA (GMT)
GMT: 280
976
1026
1141
1032
1003
659
708
Ia
Ib
III
Ia
Ib
III
II
V
A
B

Fig. 5A

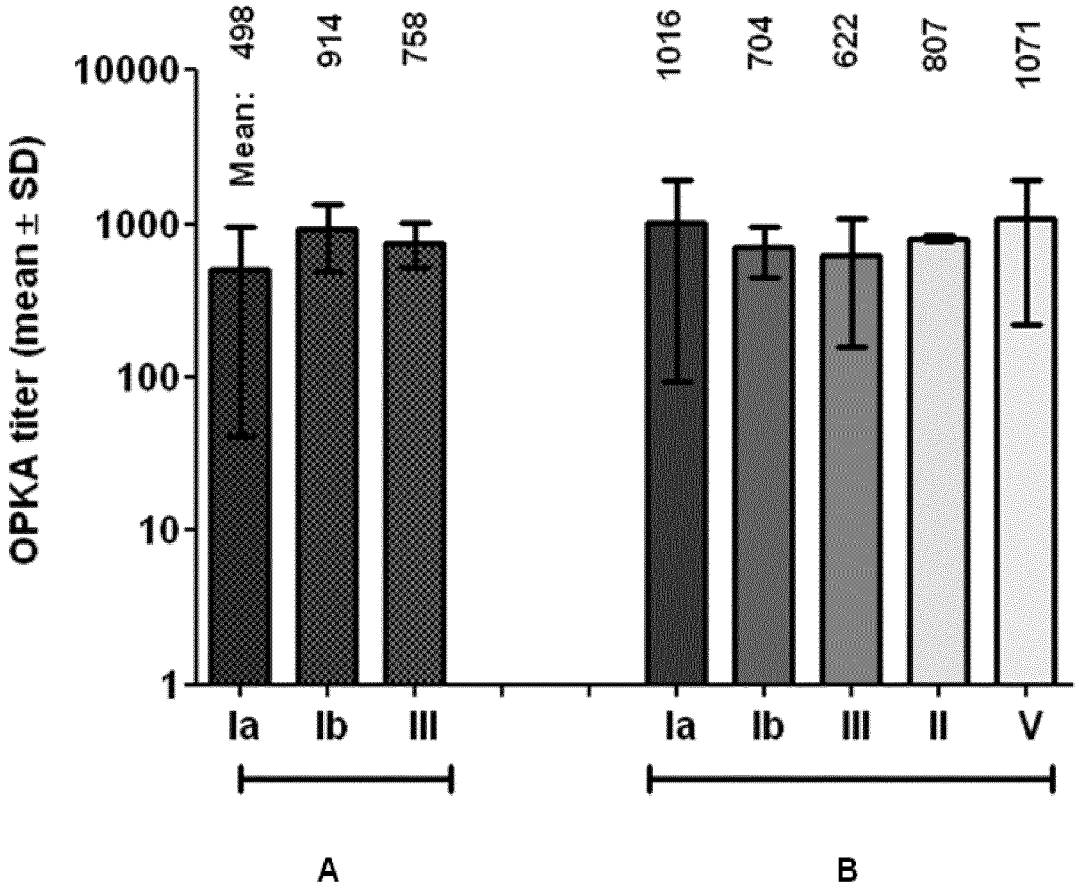

OPKA titer (mean ± SD)
10000
1000
100
10
1
Mean:
498
914
758
1016
704
622
807
1071
Ia
Ib
III
Ia
Ib
III
II
V
A
B

Fig. 5B

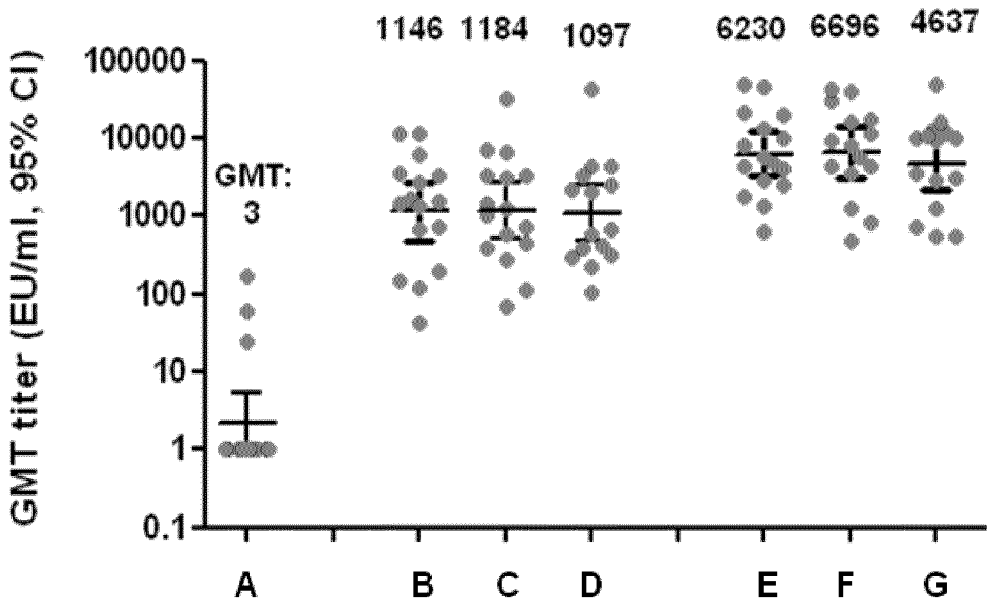

GMT titer (EU/ml, 95% CI)
100000
10000
1000
100
10
1
0.1
GMT:
3
1146
1184
1097
6230
6696
4637
A
B
C
D
E
F
G

Fig. 6

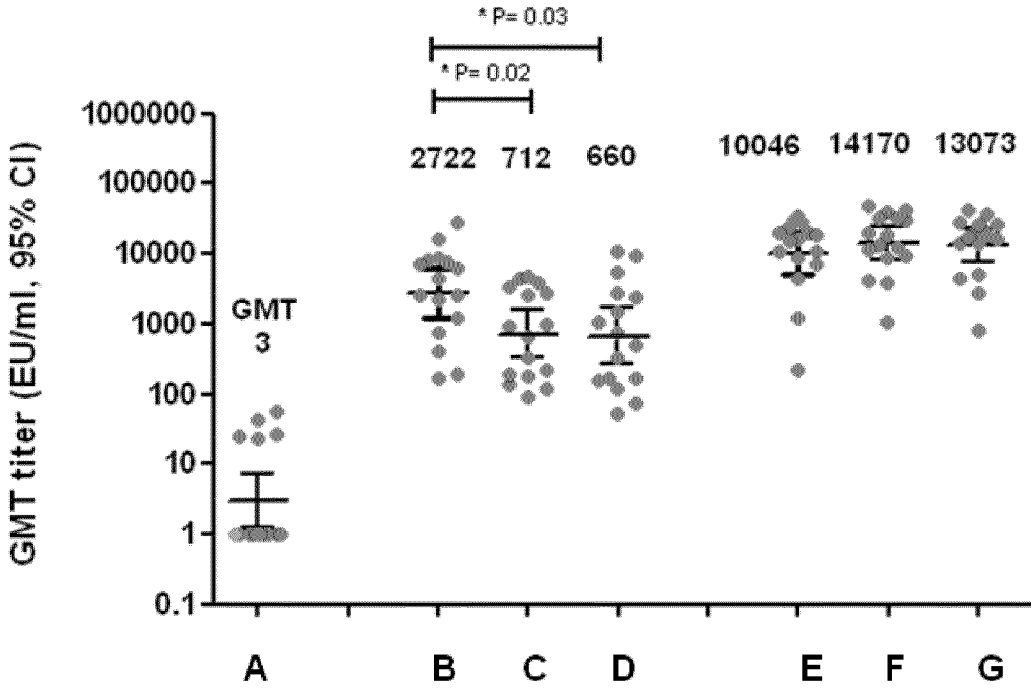

* P= 0.03
* P= 0.02
GMT titer (EU/ml, 95% CI)
1000000
100000
10000
1000
100
10
1
0.1
GMT
3
2722
712
660
10046
14170
13073
A
B
C
D
E
F
G

Fig. 7

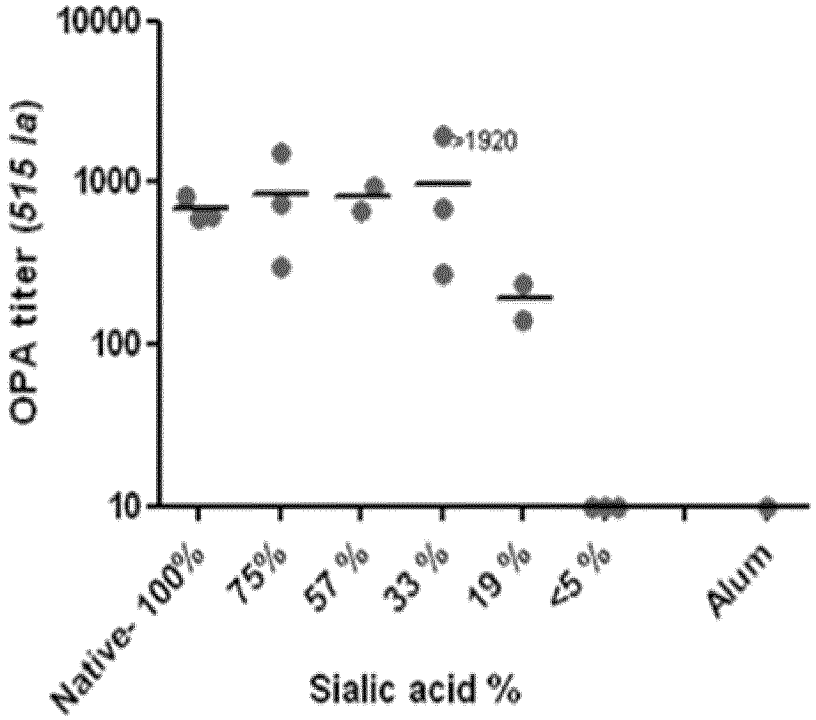

10000
1000
100
10
OPA titer (515 la)
>1920
Native- 100%
75%
57 %
33 %
19 %
<5 %
Alum
Sialic acid %

Fig. 8A

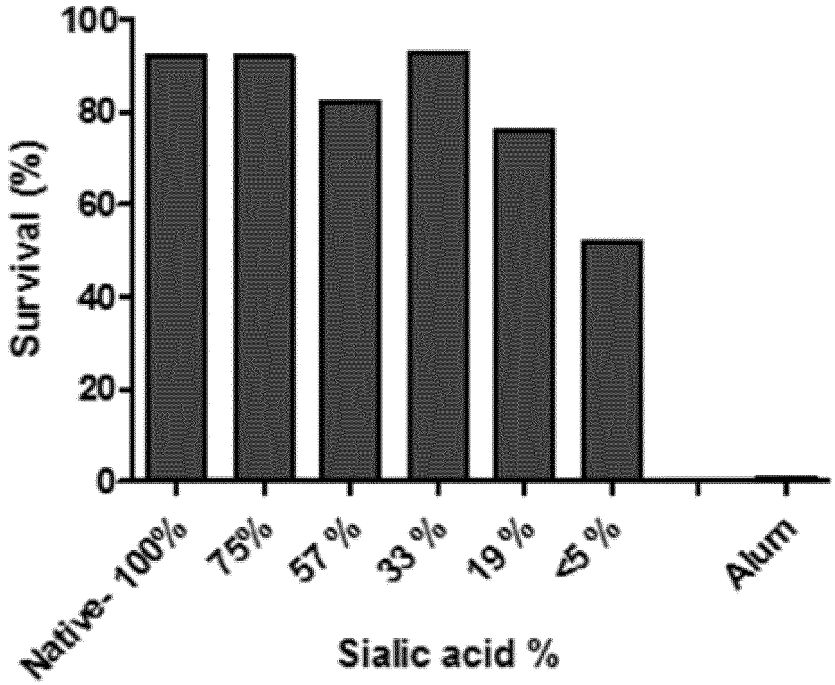

100
80
60
40
20
0
Survival (%)
Native- 100%
75%
57 %
33 %
19 %
<5 %
Alum
Sialic acid %

Fig. 8B

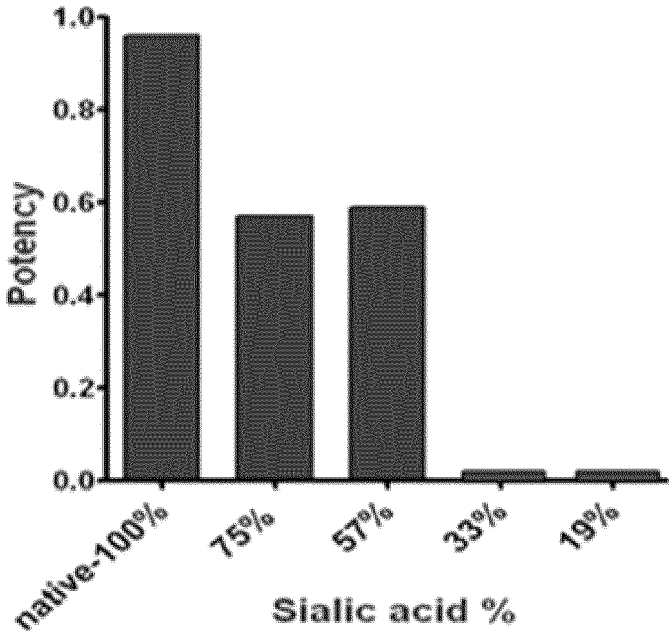

1.0
0.8
0.6
0.4
0.2
0.0
Potency
native-100%
75%
57%
33%
19%
Sialic acid %

Fig. 8C

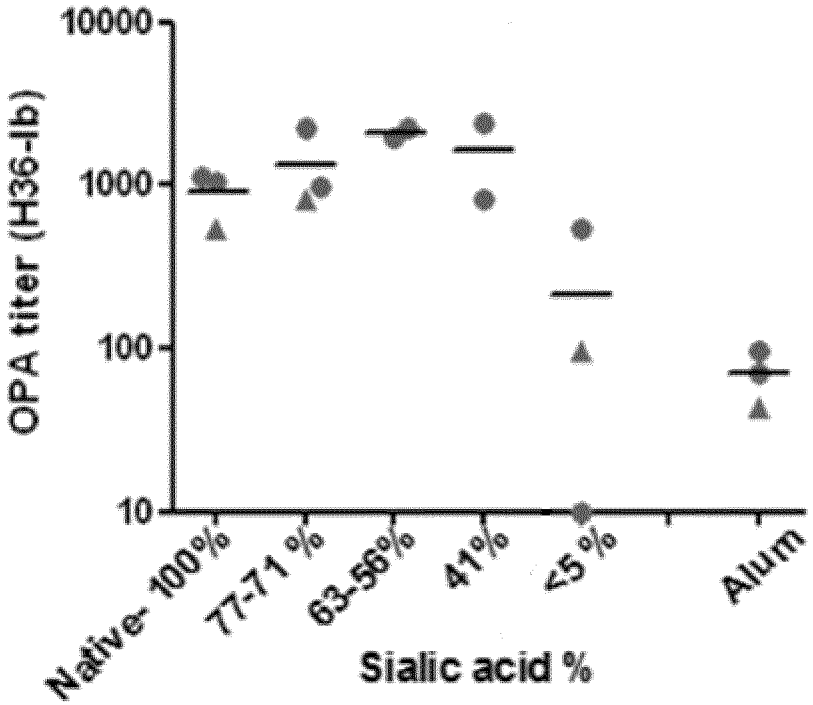

10000
1000
100
10
OPA titer (H36-Ib)
Native- 100%
77-71 %
63-56%
41%
<5 %
Alum
Sialic acid %

Fig. 9A

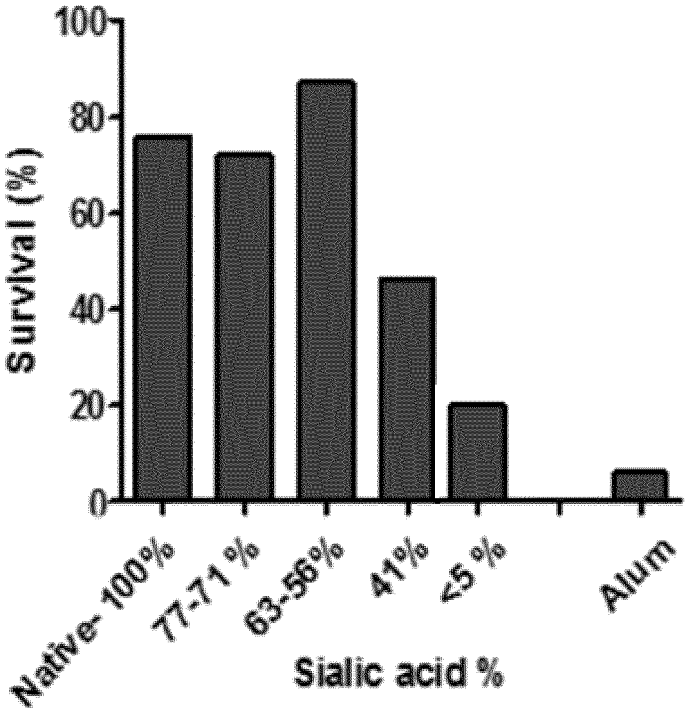

100
80
60
40
20
0
Survival (%)
Native- 100%
77-71 %
63-56%
41%
<5 %
Alum
Sialic acid %

Fig. 9B

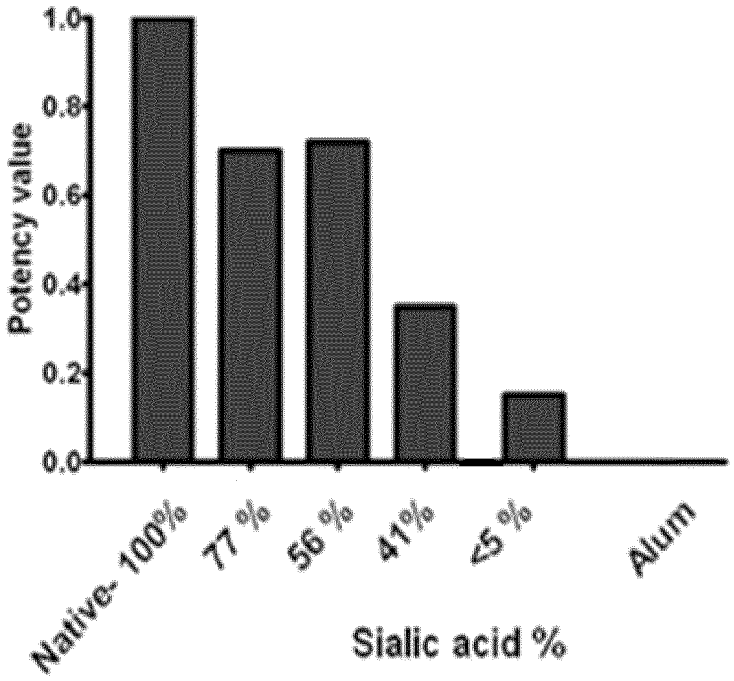

1.0
0.8
0.6
0.4
0.2
0.0
Potency value
Native- 100%
77 %
56 %
41%
<5 %
Alum
Sialic acid %

Fig. 9C

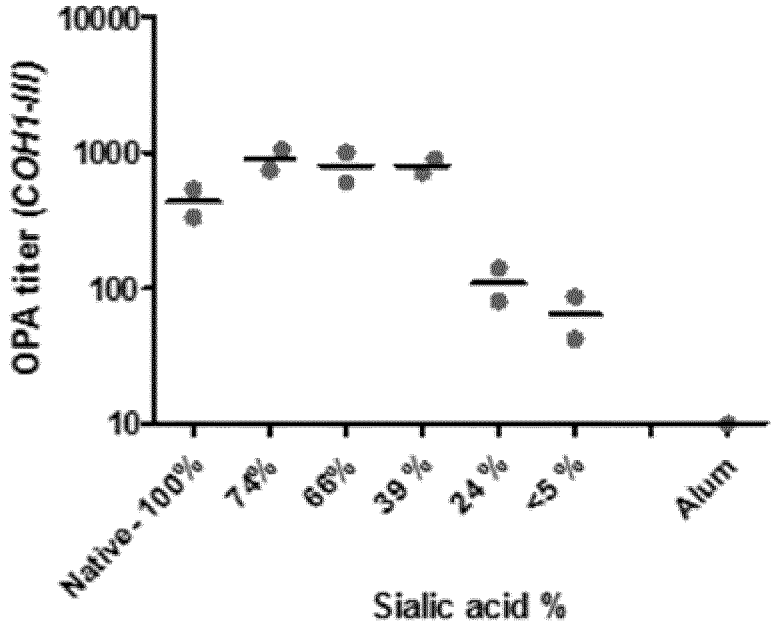


Fig. 10A

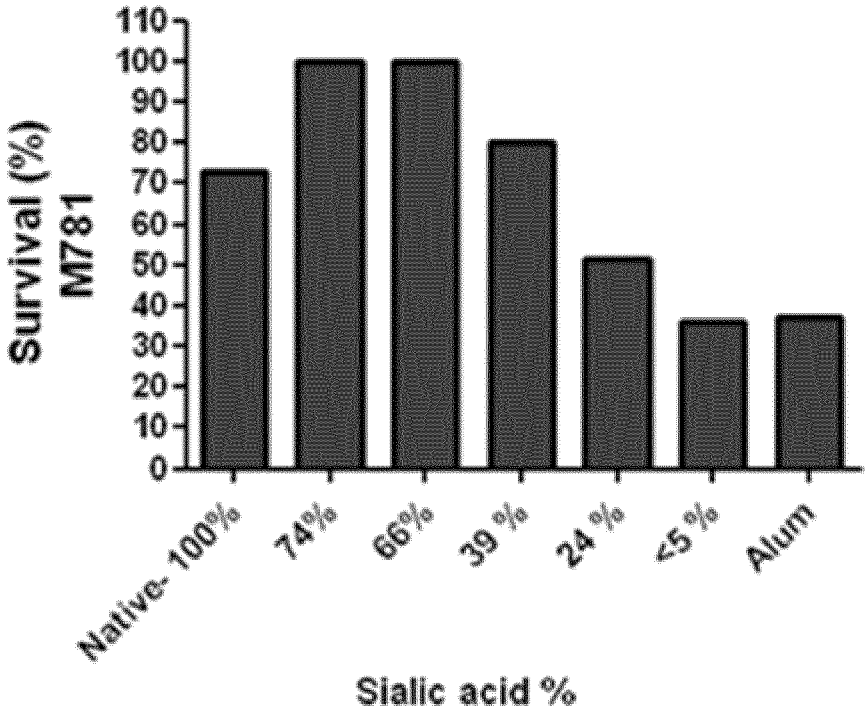


Fig. 10B