FIG. 1

IEF Gel of Anopheles gambiae
Salivary Glands
(Comassie Blue Stain)

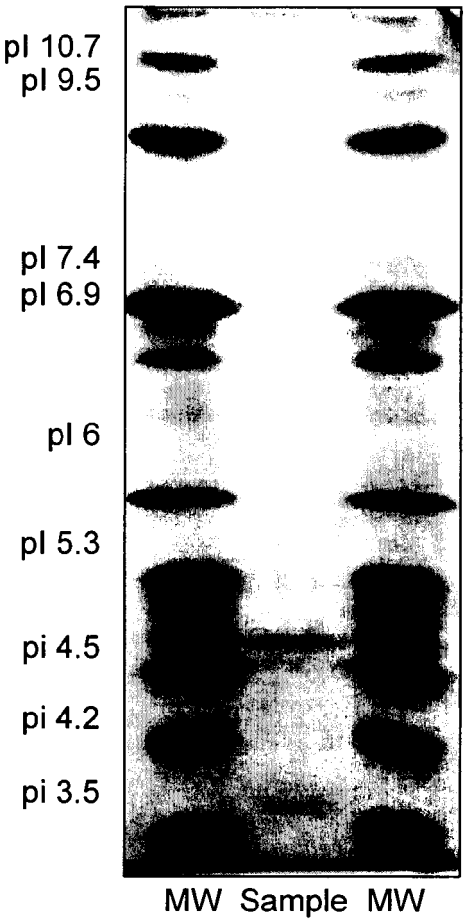


FIG. 2

SDS-PAGE of IEF gel of Anopheles gambiae Salivary Glands (silver stain)
Red rectangle indicates location of targeted proteins (<30 kDa)

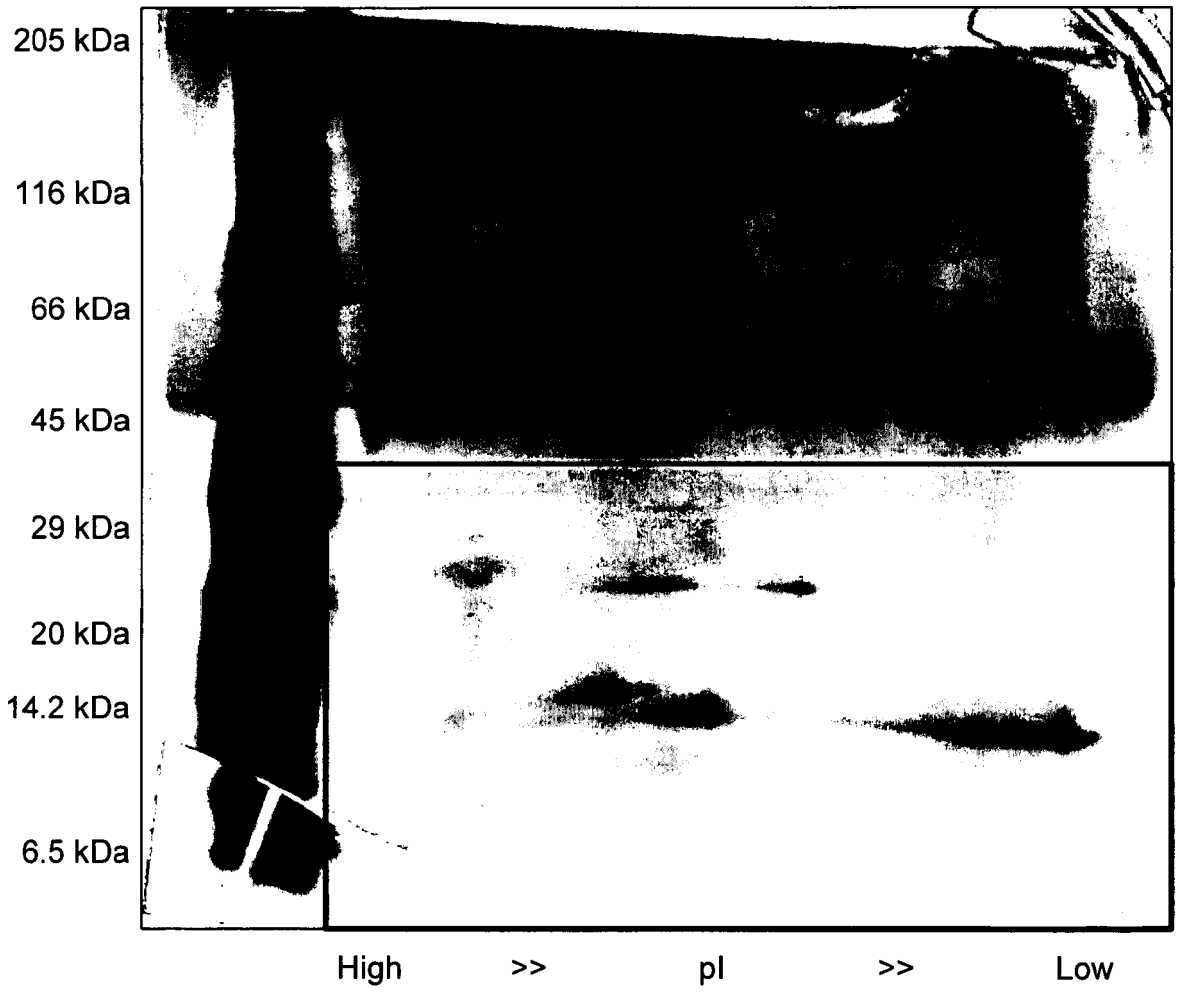


FIG. 3

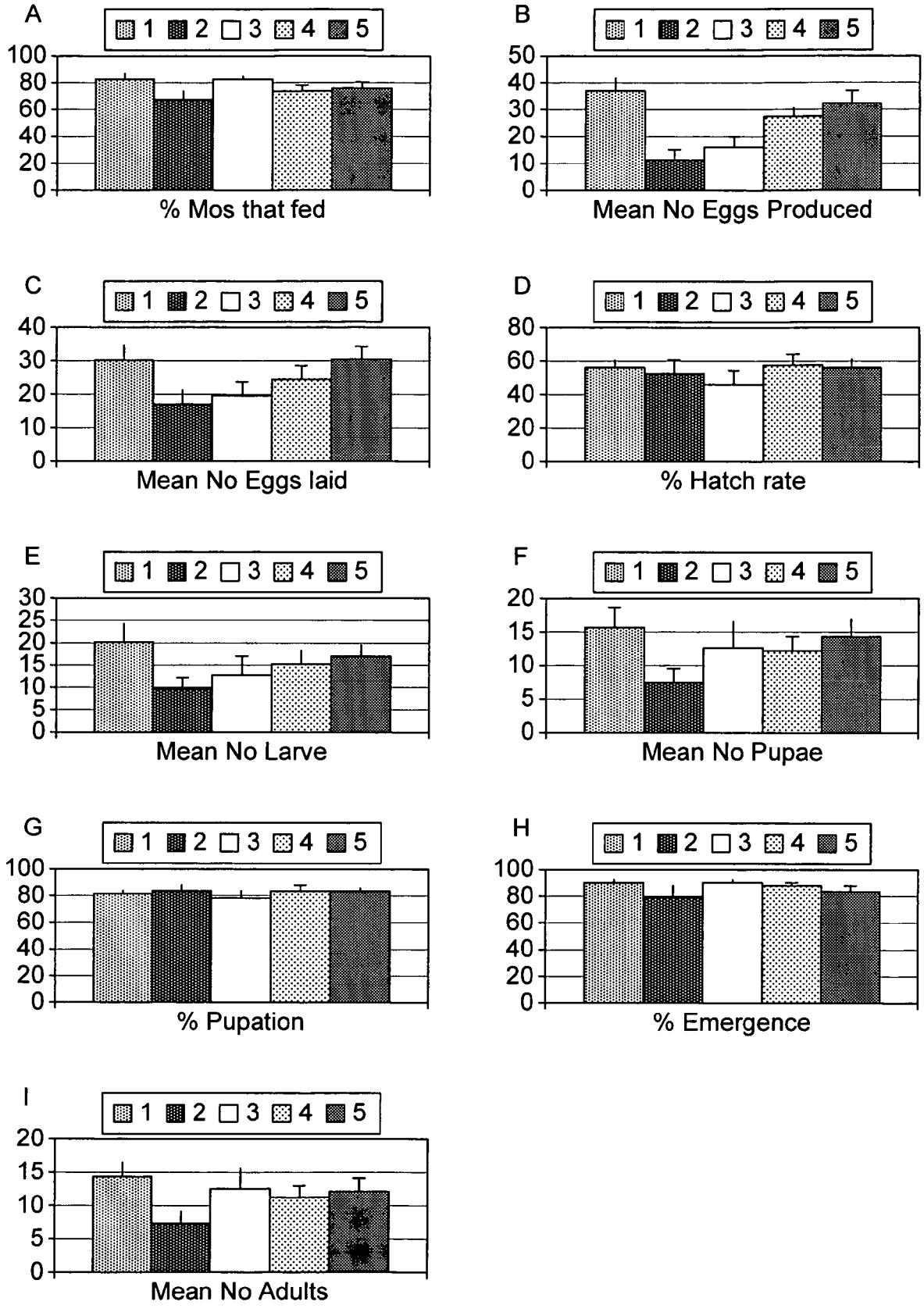

A
1 2 3 4 5
100
80
60
40
20
0
% Mos that fed
B
1 2 3 4 5
50
40
30
20
10
0
Mean No Eggs Produced
C
1 2 3 4 5
40
30
20
10
0
Mean No Eggs laid
D
1 2 3 4 5
80
60
40
20
0
% Hatch rate
E
1 2 3 4 5
30
25
20
15
10
5
0
Mean No Larve
F
1 2 3 4 5
20
15
10
5
0
Mean No Pupae
G
1 2 3 4 5
100
80
60
40
20
0
% Pupation
H
1 2 3 4 5
100
80
60
40
20
0
% Emergence
I
1 2 3 4 5
20
15
10
5
0
Mean No Adults

FIG. 4

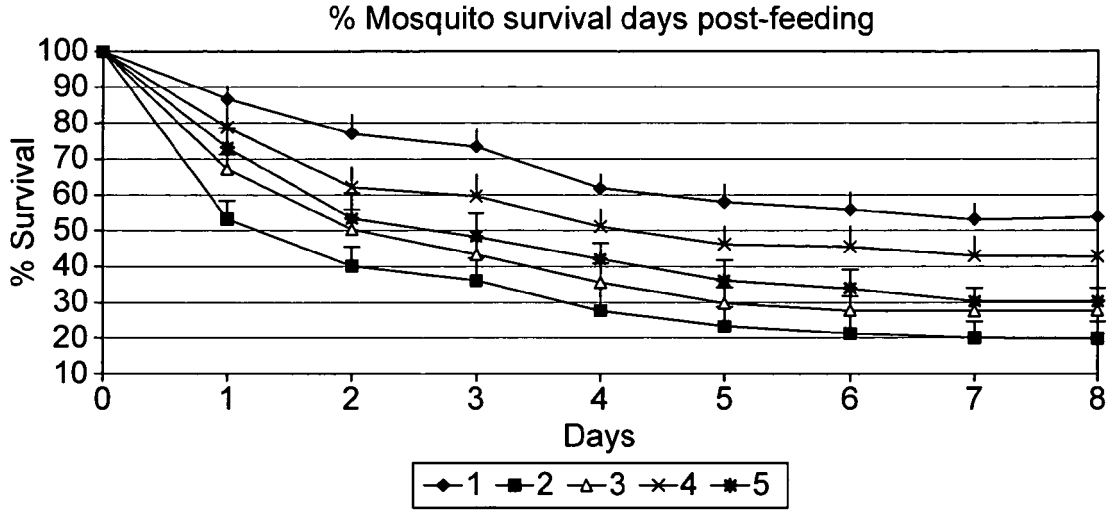

% Mosquito survival days post-feeding
% Survival
100
90
80
70
60
50
40
30
20
10
0
1
2
3
4
5
6
7
8
Days
1
2
3
4
5

FIG. 6

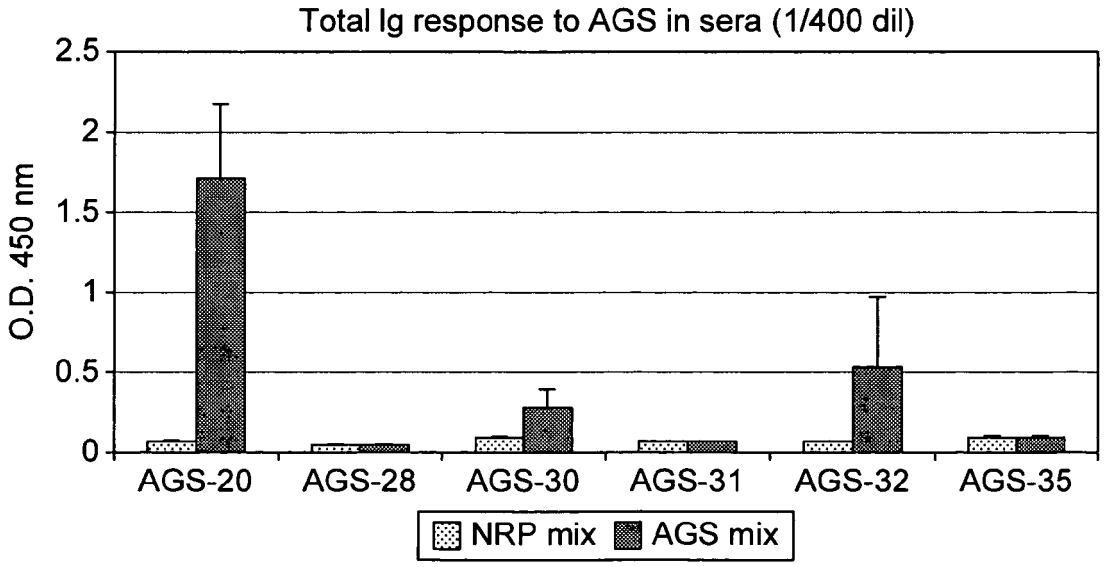

Total Ig response to AGS in sera (1/400 dil)
O.D. 450 nm
2.5
2
1.5
1
0.5
0
AGS-20
AGS-28
AGS-30
AGS-31
AGS-32
AGS-35
NRP mix
AGS mix

FIG. 5

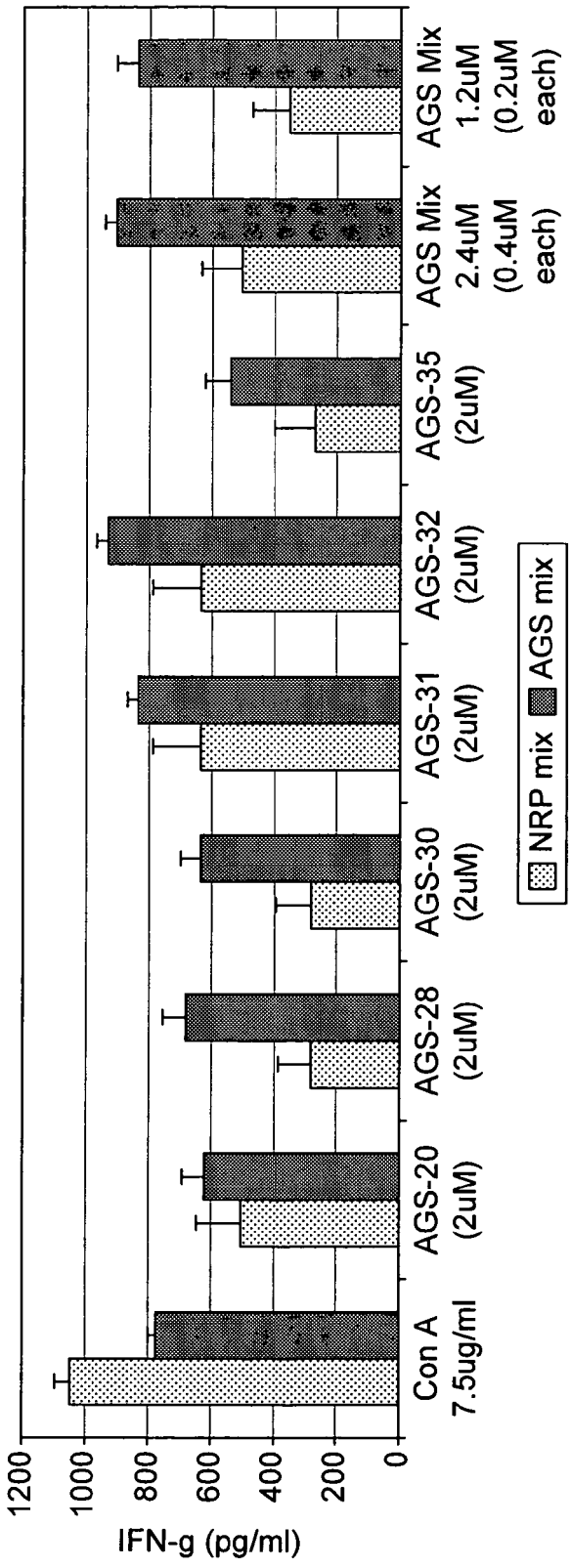

To Blank
IFN-g (pg/ml)
1200
1000
800
600
400
200
0
NRP mix
AGS mix
Con A 7.5ug/ml
AGS-20 (2uM)
AGS-28 (2uM)
AGS-30 (2uM)
AGS-31 (2uM)
AGS-32 (2uM)
AGS-35 (2uM)
AGS Mix 2.4uM (0.4uM each)
AGS Mix 1.2uM (0.2uM each)

FIG. 7

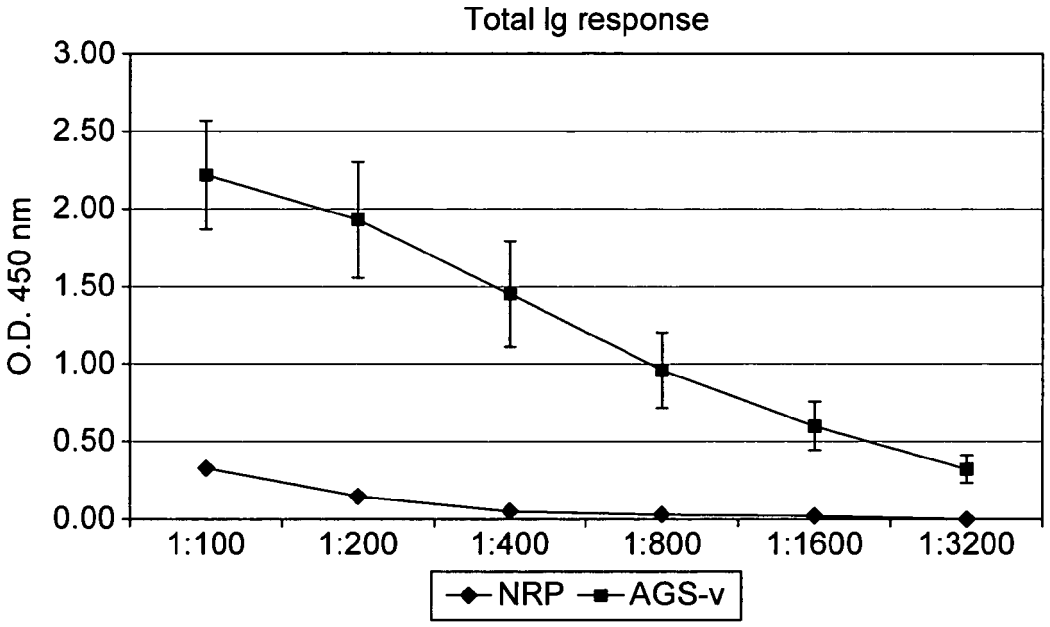

Total Ig response
3.00
2.50
2.00
1.50
1.00
0.50
0.00
O.D. 450 nm
1:100
1:200
1:400
1:800
1:1600
1:3200
NRP
AGS-v

FIG. 8

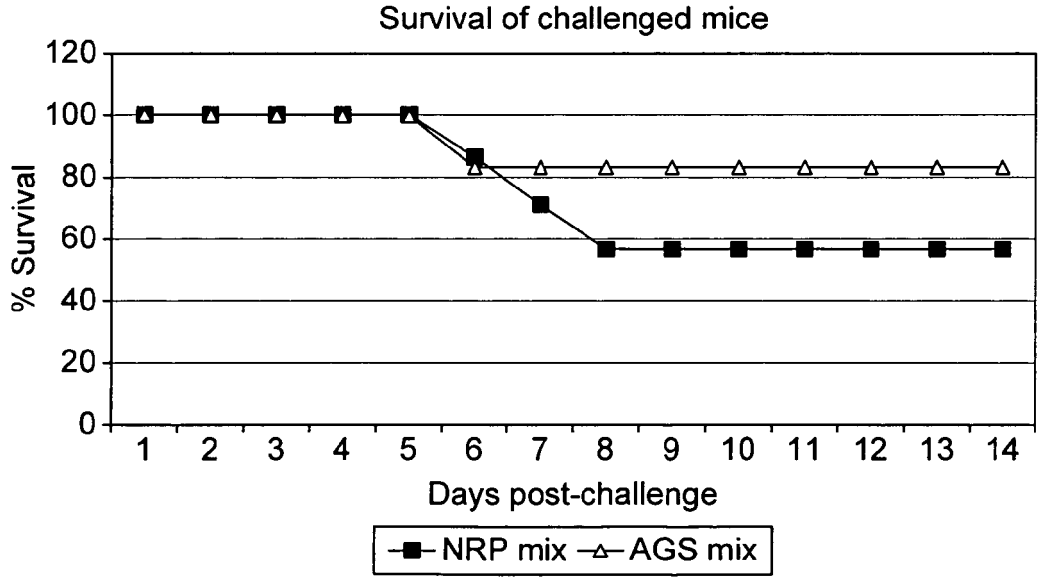
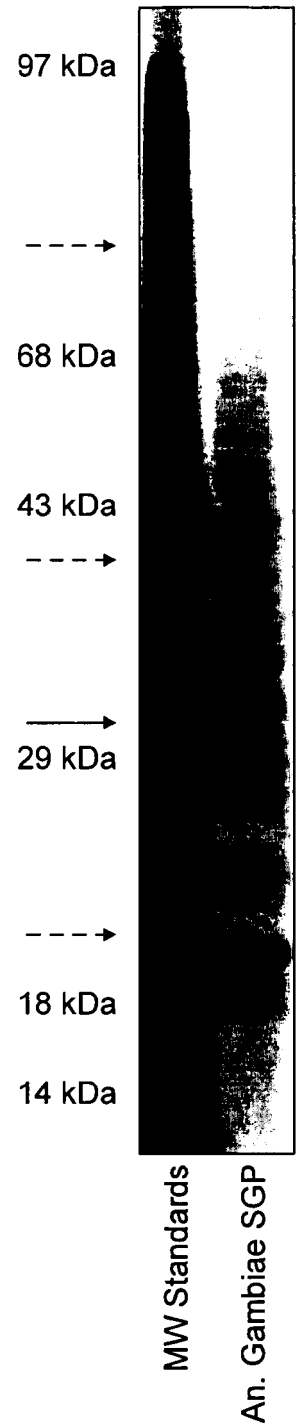

Survival of challenged mice
120
100
80
60
40
20
0
% Survival
1
2
3
4
5
6
7
8
9
10
11
12
13
14
Days post-challenge
NRP mix
AGS mix

FIG. 9


97 kDa
68 kDa
43 kDa
29 kDa
18 kDa
14 kDa
MW Standards
An. Gambiae SGP