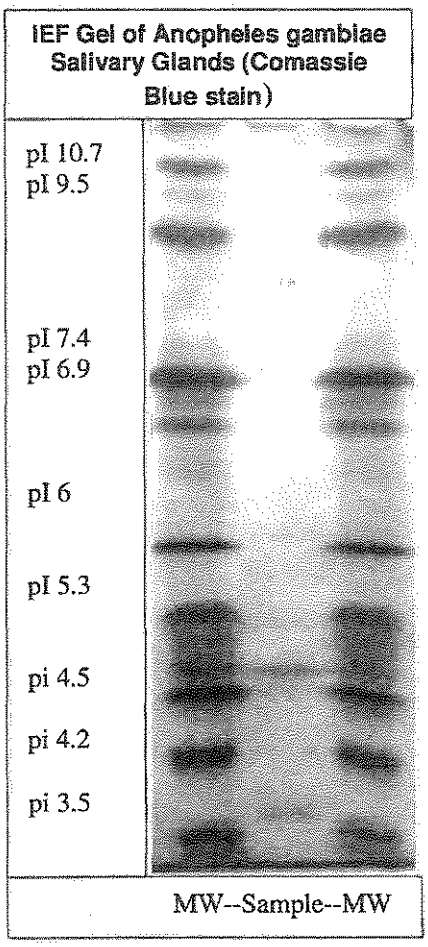

IEF Gel of Anopheles gambiae Salivary Glands (Comassie Blue stain)
pI 10.7
pI 9.5
pI 7.4
pI 6.9
pI 6
pI 5.3
pi 4.5
pi 4.2
pi 3.5
MW--Sample--MW

FIGURE 1

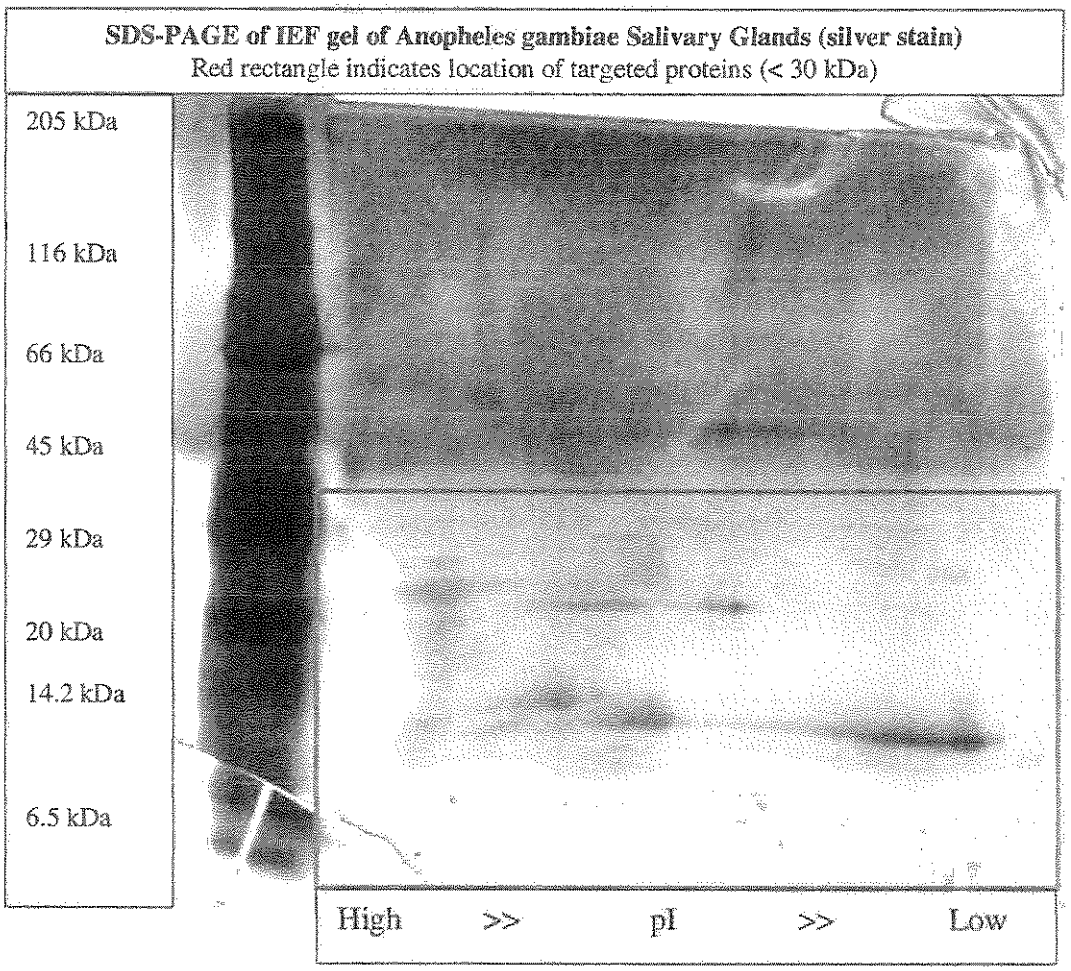
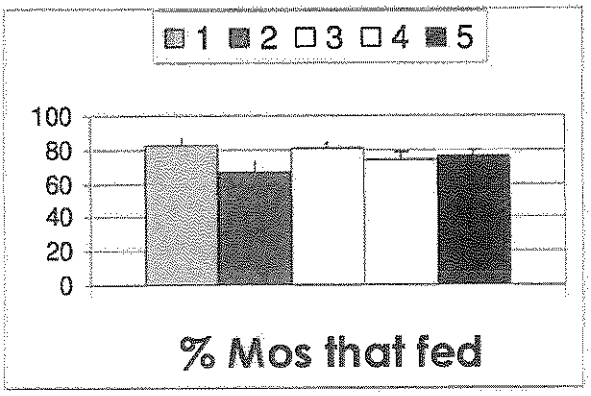
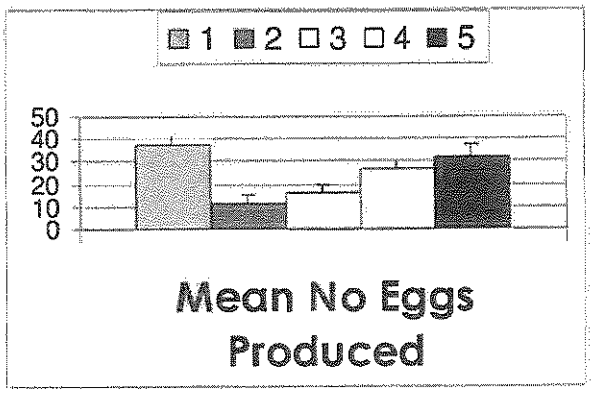

SDS-PAGE of IEF gel of Anopheles gambiae Salivary Glands (silver stain)
Red rectangle indicates location of targeted proteins (< 30 kDa)
205 kDa
116 kDa
66 kDa
45 kDa
29 kDa
20 kDa
14.2 kDa
6.5 kDa
High >> pI >> Low

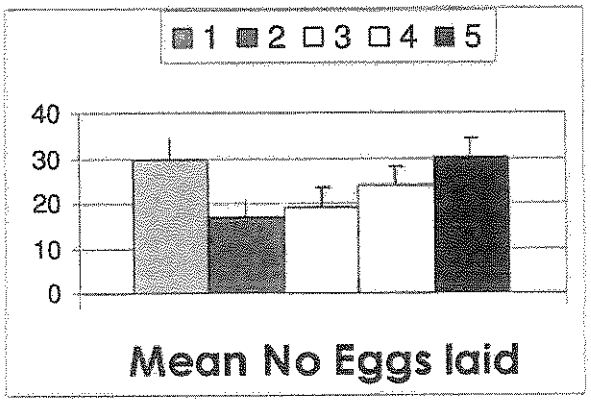
FIGURE 2



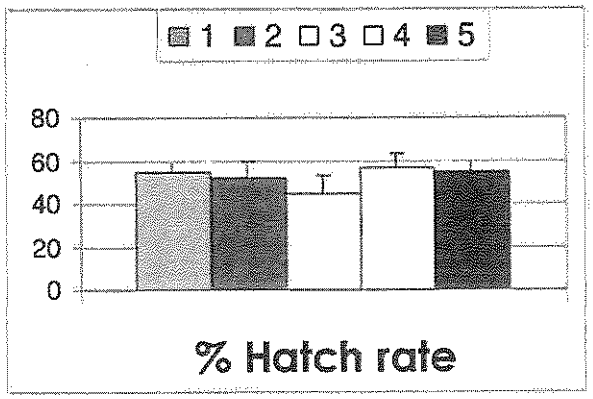
A



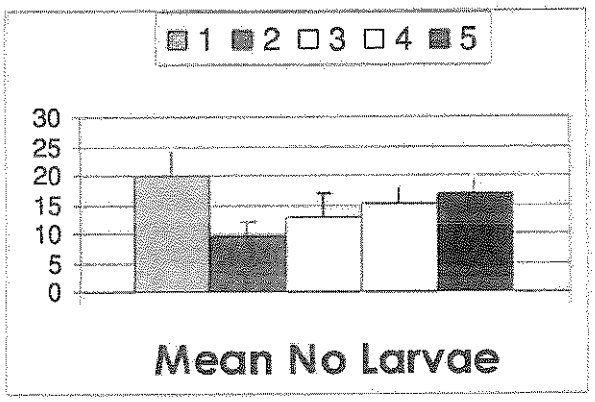
B



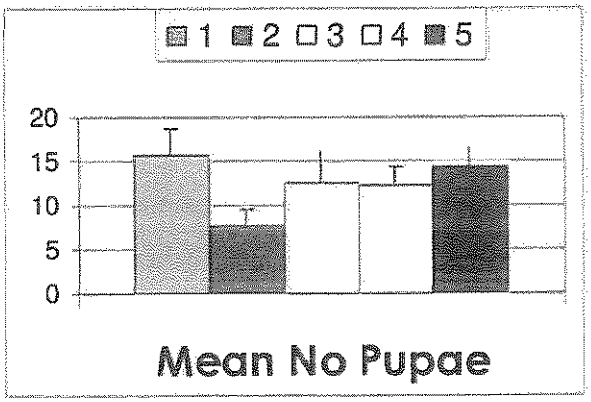
C



D

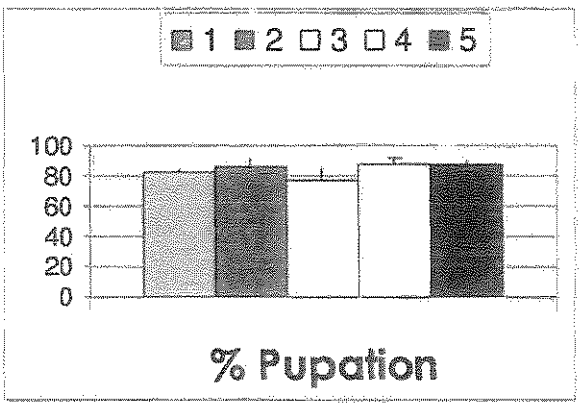


E

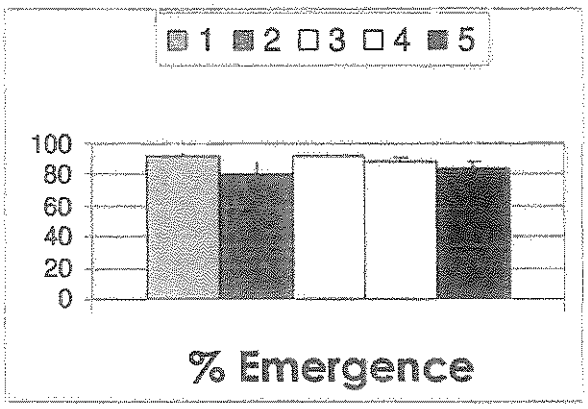


F

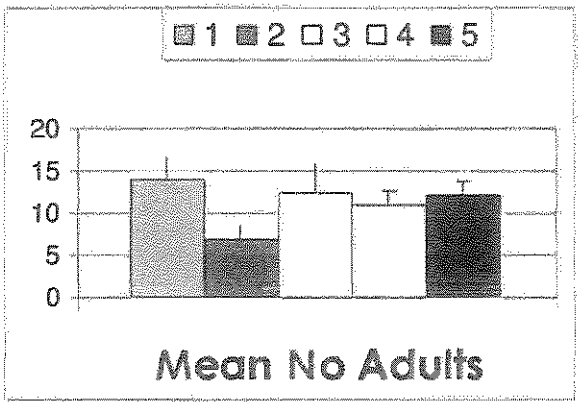
FIGURE 3A-3F



G



H



I

FIGURE 3G-3I

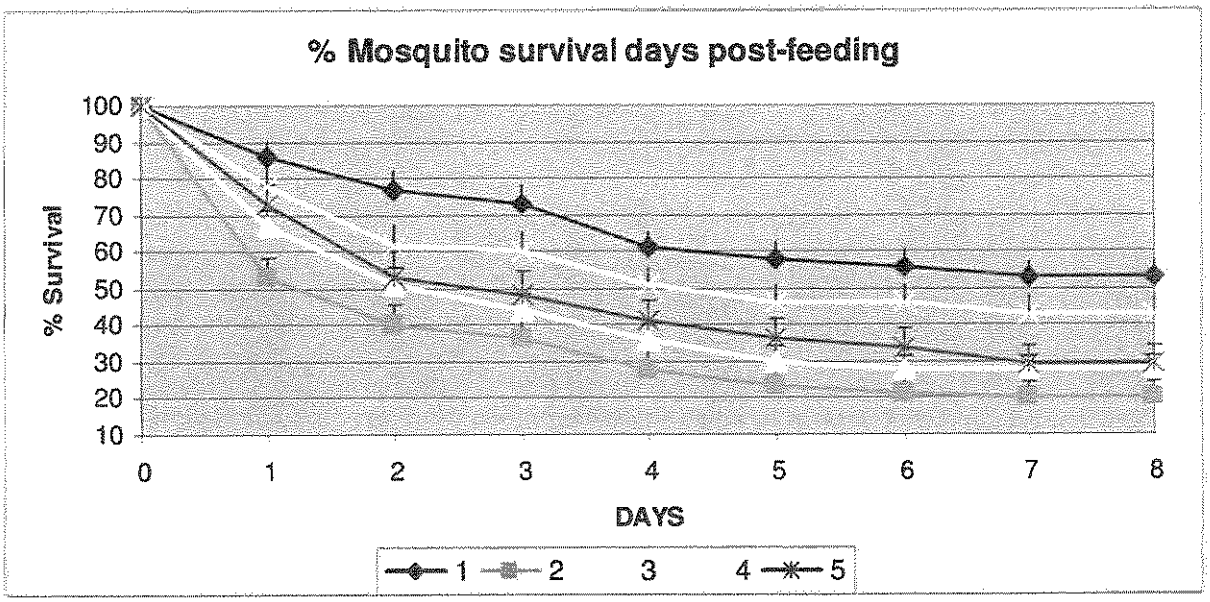

% Mosquito survival days post-feeding
% Survival
100
90
80
70
60
50
40
30
20
10
0
1
2
3
4
5
6
7
8
DAYS
1
2
3
4
5

FIGURE 4

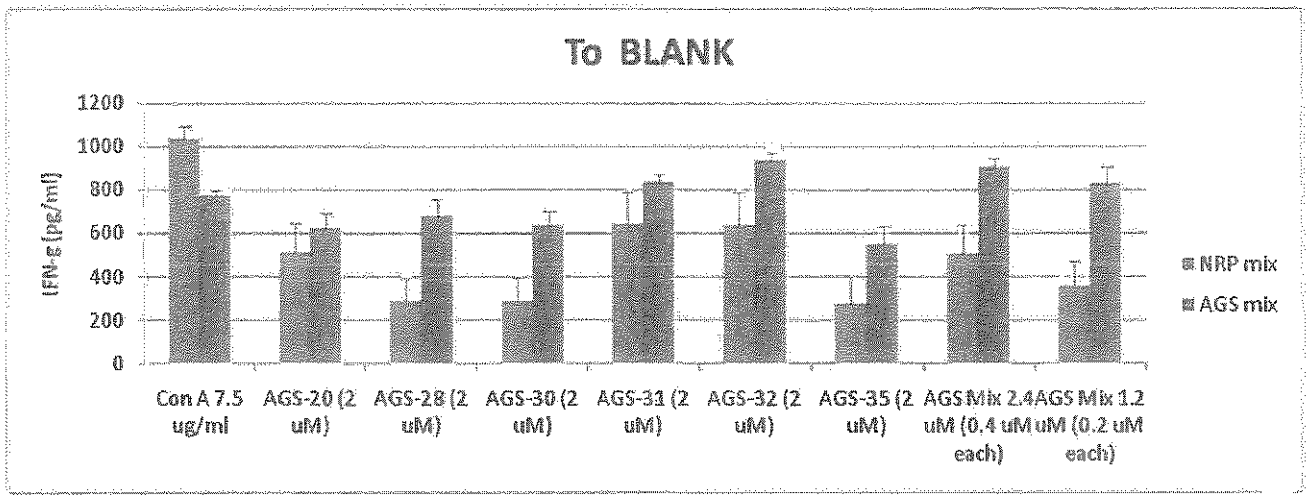

To BLANK
1200
1000
800
600
400
200
0
IFN-a (pg/ml)
Con A 7.5 ug/ml
AGS-20 (2 uM)
AGS-28 (2 uM)
AGS-30 (2 uM)
AGS-31 (2 uM)
AGS-32 (2 uM)
AGS-35 (2 uM)
AGS Mix 2.4 uM (0.4 uM each)
AGS Mix 1.2 uM (0.2 uM each)
NRP mix
AGS mix

FIGURE 5

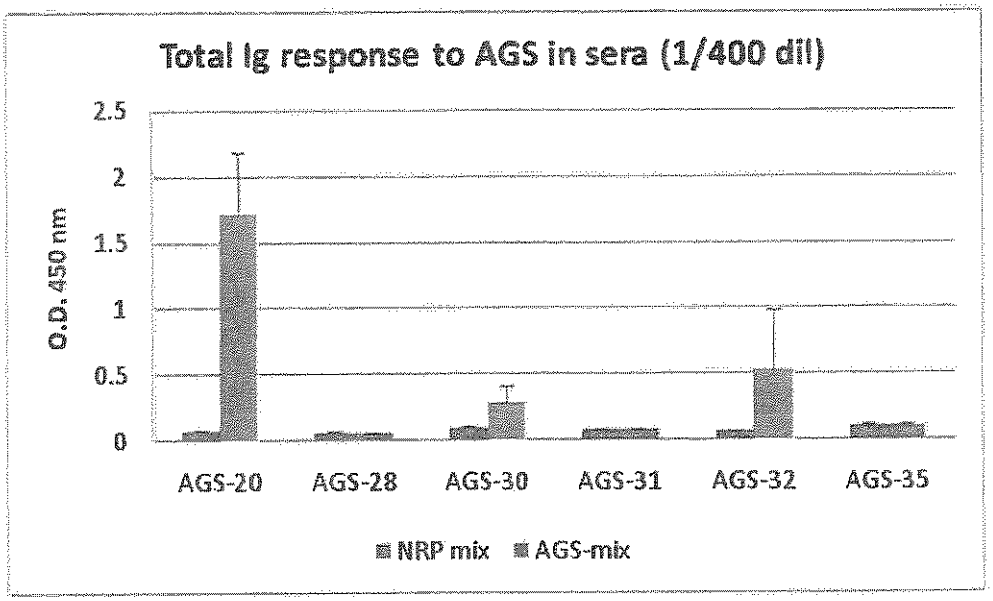

Total Ig response to AGS in sera (1/400 dil)
O.D. 450 nm
2.5
2
1.5
1
0.5
0
AGS-20
AGS-28
AGS-30
AGS-31
AGS-32
AGS-35
NRP mix
AGS-mix

FIGURE 6

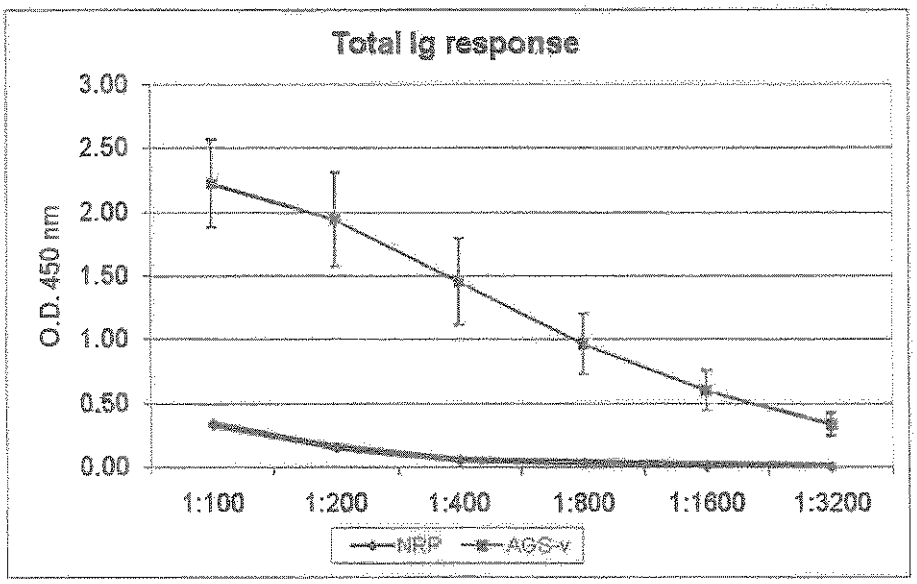

Total Ig response
O.D. 450 nm
3.00
2.50
2.00
1.50
1.00
0.50
0.00
1:100
1:200
1:400
1:800
1:1600
1:3200
NRP
ASS-v

FIGURE 7

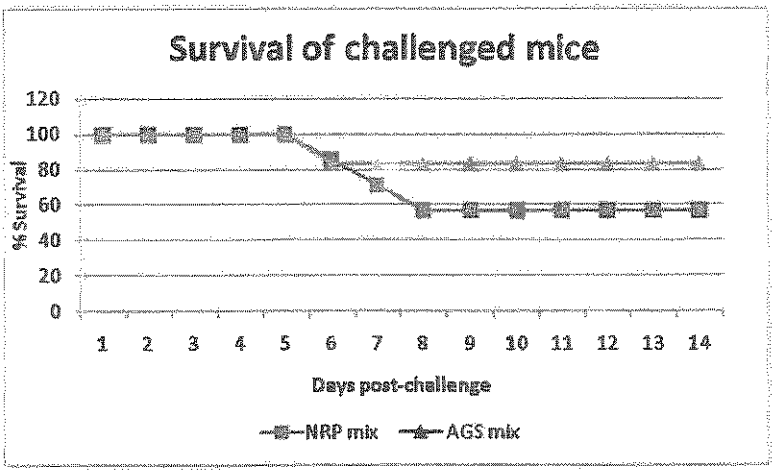

Survival of challenged mice
120
100
80
60
40
20
0
% Survival
1
2
3
4
5
6
7
8
9
10
11
12
13
14
Days post-challenge
NRP mix
AGS mix

FIGURE 8

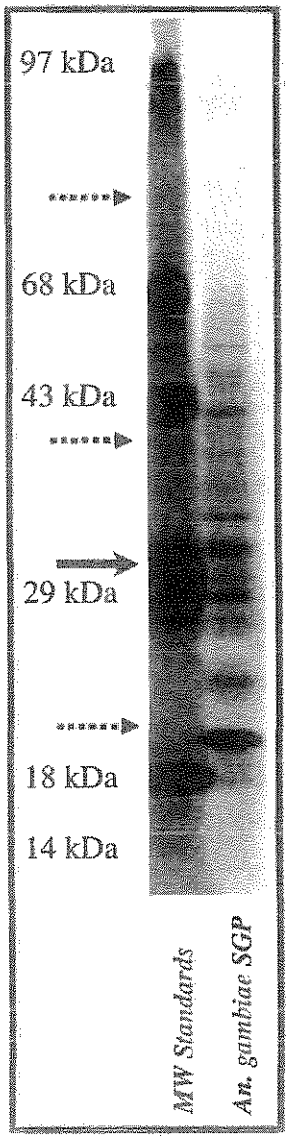

97 kDa
68 kDa
43 kDa
29 kDa
18 kDa
14 kDa
MW Standards
An. gambiae SGP

FIGURE 9