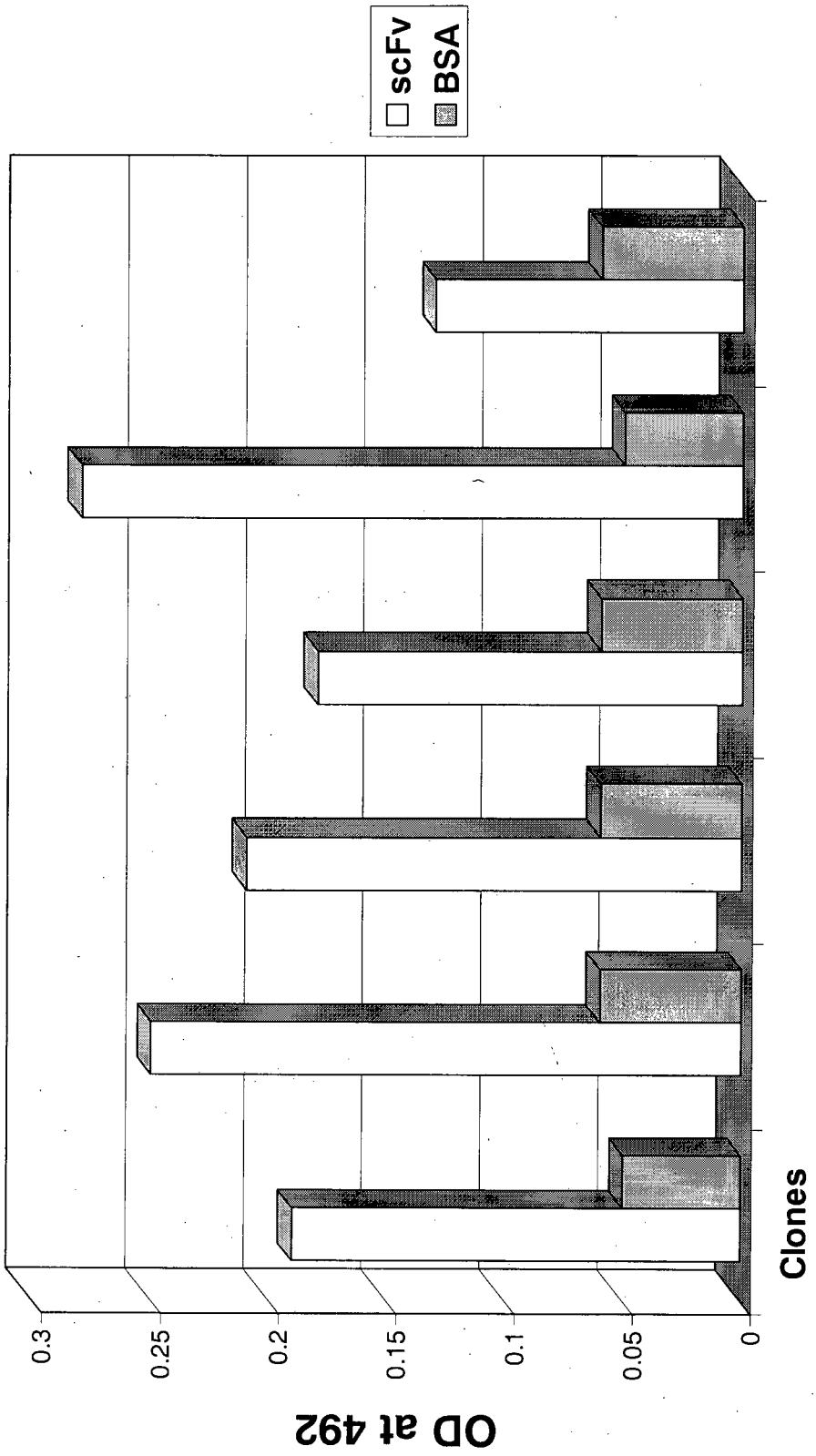


Figure 1

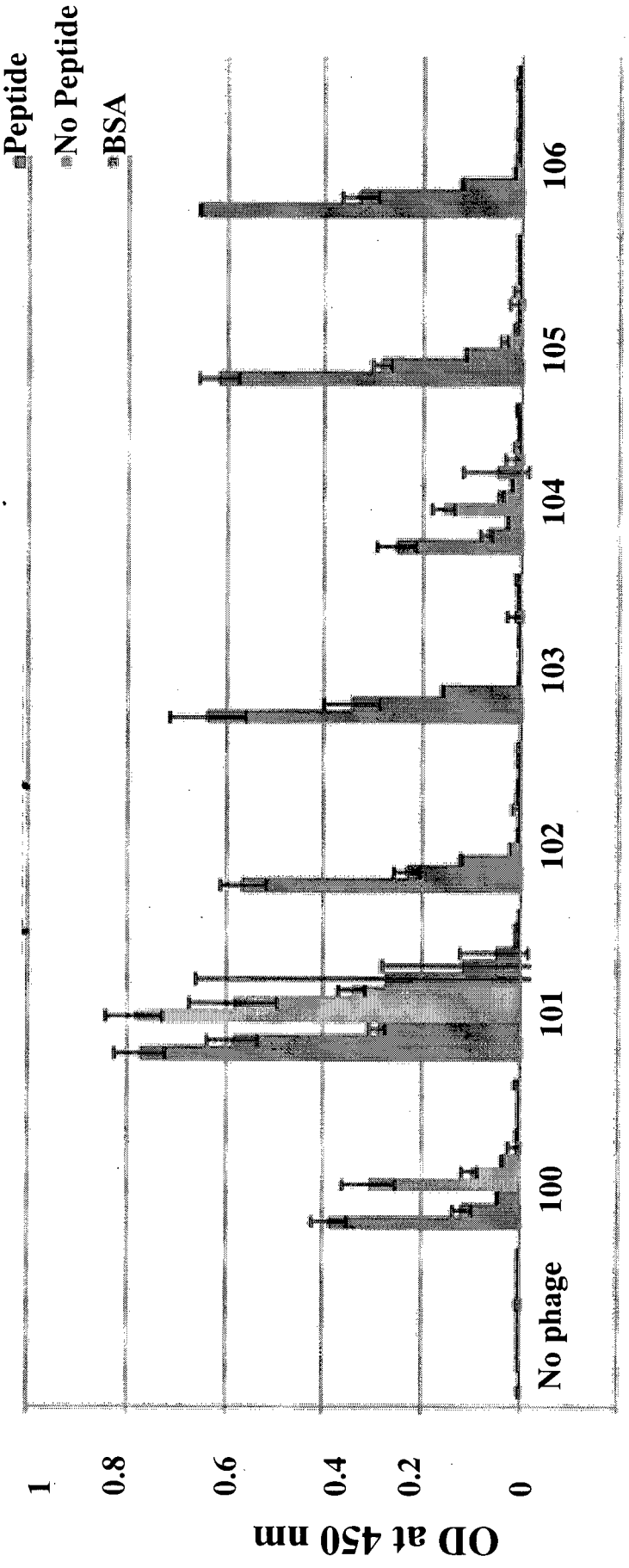

Peptide
No Peptide
BSA
OD at 450 nm
1
0.8
0.6
0.4
0.2
0
No phage
100
101
102
103
104
105
106

Figure 2

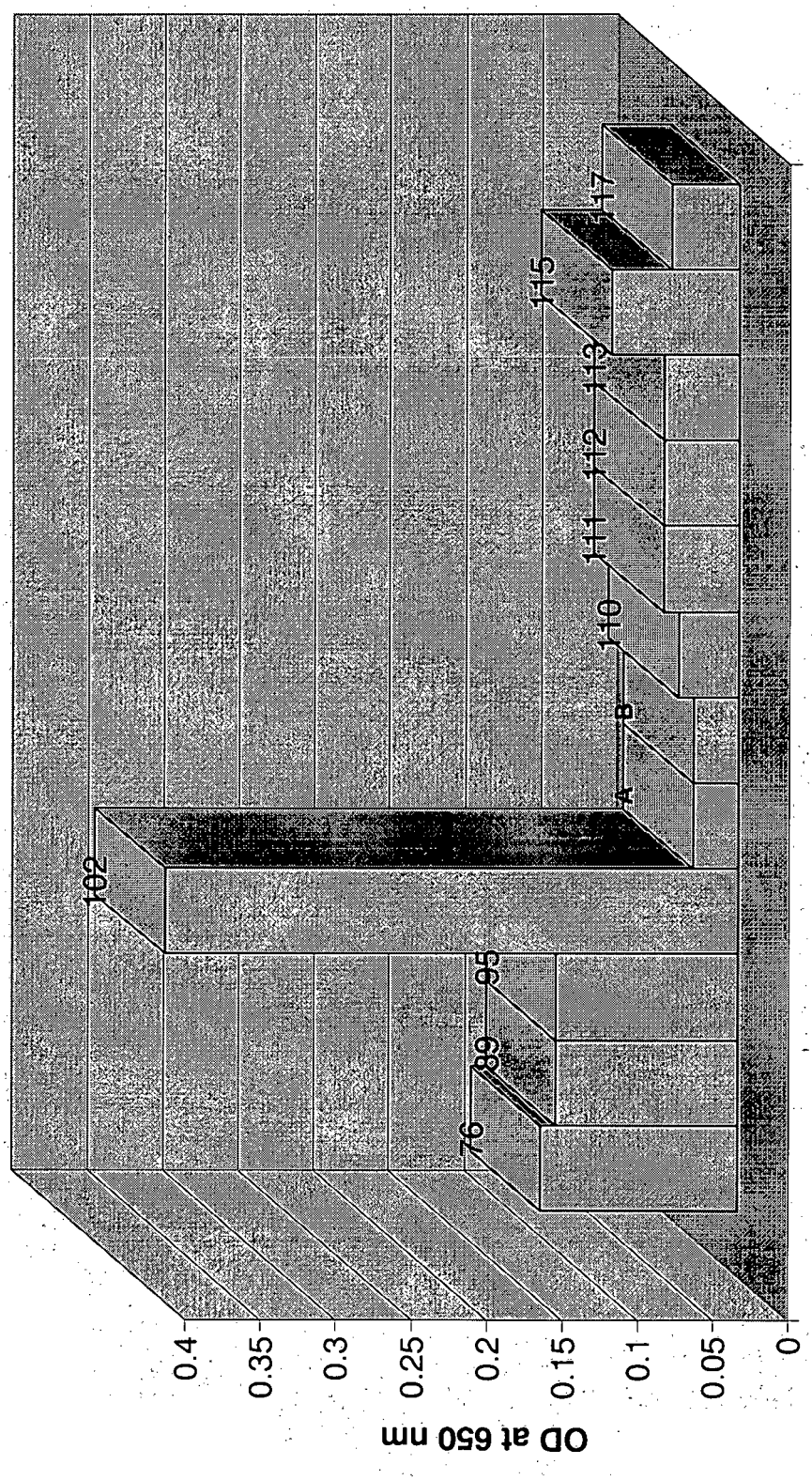

OD at 650 nm
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Clone Identifier
A
B
76
89
95
102
110
111
112
113
115
117

Figure 3

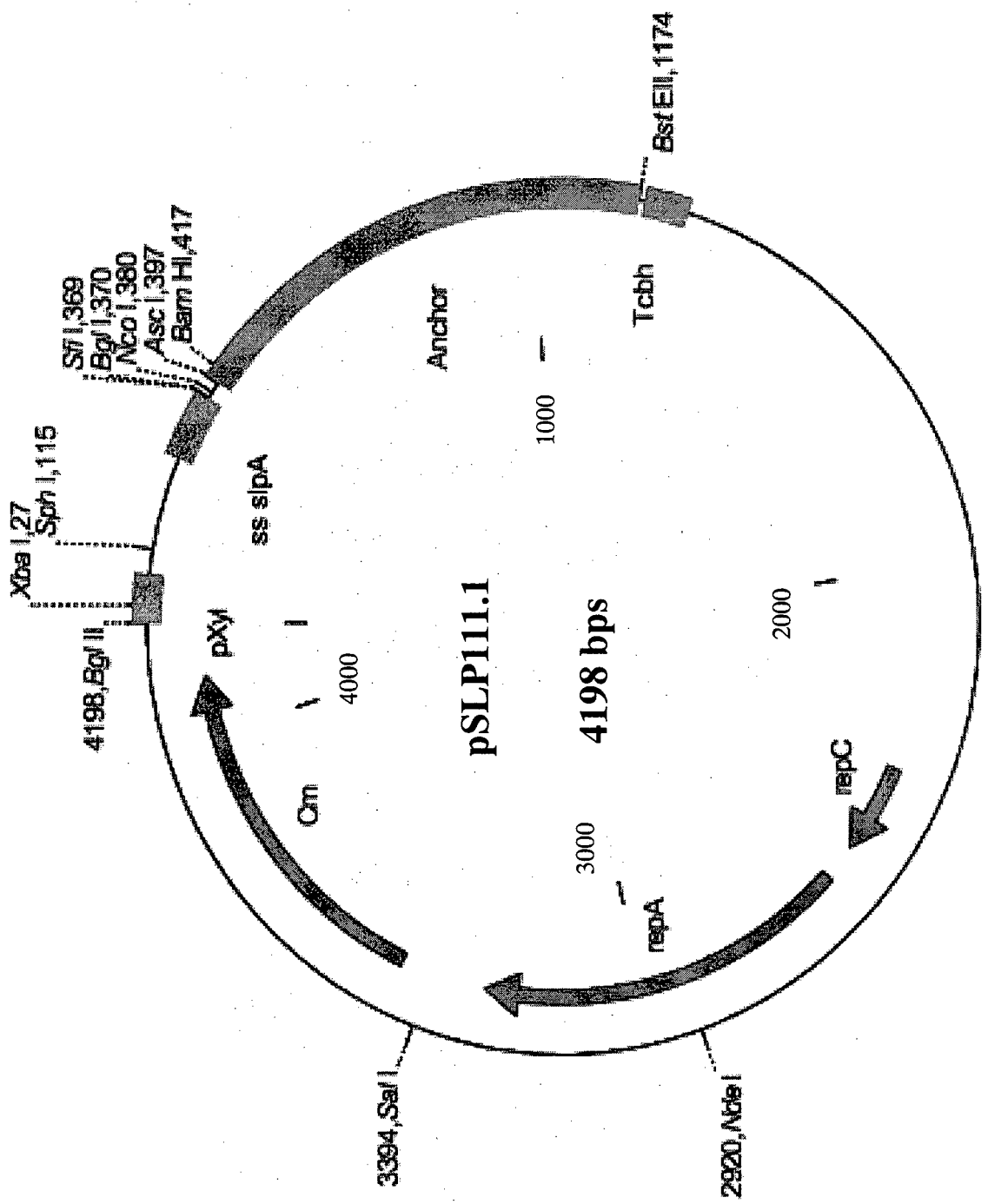

pSLP111.1
4198 bps
Anchor
Tcbh
ss sipA
pXyl
Cm
repA
repC
1000
2000
3000
4000
Bst EII,1174
Sfi I,369
Bgl I,370
Nco I,380
Asc I,397
Bam HI,417
Xba I,27
Sph I,115
4198,Bgl II
3394,Sal I
2920,Nde I

Figure 4A

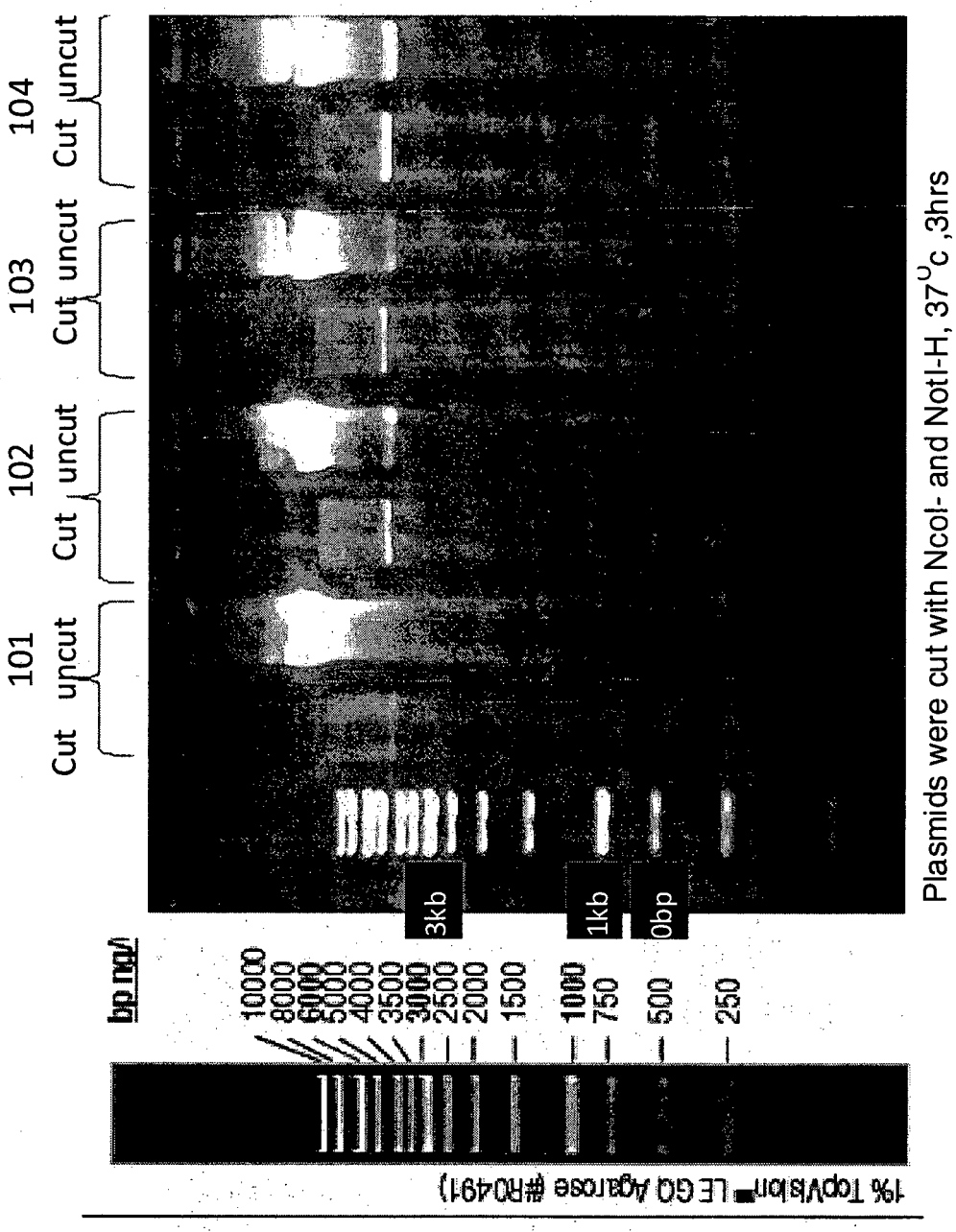

101
102
103
104
Cut
uncut
Cut
uncut
Cut
uncut
Cut
uncut
3kb
1kb
0bp
bp mAU
10000
8000
6000
5000
4000
3500
3000
2500
2000
1500
1000
750
500
250
1% TopVision LE GQ Agarose #R0491)
Plasmids were cut with NcoI- and NotI-H, 37°c ,3hrs

Figure 4B

Forward Frame 1:

```
1   M  A  E  V  Q  L  L  E  S  G  G  G  L  V  Q  P  G  G  S  L
1  ATGGCCGAGGTGCAGCTGTTGGAGTCTGGGGGAGGCTTGGTACAGCCTGGGGGGTCCCTG

21   R  L  S  C  A  A  S  G  F  T  F  S  D  H  D  M  H  W  V  R
61  AGACTCTCCTGTGCAGCCTCTGGATTCACCTTCAGTGACCACGACATGCACTGGGTCCGC

41   Q  A  P  G  K  G  L  E  W  V  S  G  I  S  W  K  S  D  S  M
121 CAGGCTCCAGGCAAGGGGCTGGAGTGGGTCTCAGGTATCAGTTGGAAAAGTGACAGTATG

61   A  Y  R  D  S  V  K  G  R  F  T  I  S  R  D  N  S  K  N  T
181  CCTATAGGGACTCTGTGAAGGGCCGATTCACCATCTCCAGAGACAATTCCAAGAACACG

81   L  Y  L  Q  M  N  S  L  R  A  E  D  T  A  V  Y  Y  C  A  R
241 CTGTATCTGCAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTATATTACTGTGCGAGA

101   D  Q  E  H  F  D  F  D  Y  W  G  Q  G  T  L  V  T  V  S  S
301 GATCAGGAGCACTTCGACTTTGACTACTGGGGCCAGGGCACCCTGGTCACAGTCTCTTCA

121   G  S  A  G  G  G  G  S  G  G  G  G  S  G  G  G  G  S  D  I
361 GGCTCAGCAGGAGGAGGAGGATCCGGTGGTGGTGGTTCTGGCGGCGGCGGCTCCGATATC

141   V  L  T  Q  P  P  S  A  S  G  T  P  G  Q  R  V  T  I  S  C
421 GTGCTGACTCAGCCACCCTCAGCGTCTGGGACCCCCGGGCAGAGGGTCACCATCTCTTGC

161   S  G  S  S  S  N  L  G  S  N  T  V  N  W  Y  Q  Q  L  P  G
481 TCTGGAAGCAGCTCCAACCTCGGAAGTAATACTGTAAACTGGTACCAGCAGCTCCCAGGA

181   K  A  P  K  L  L  I  Y  D  N  N  Q  R  P  S  G  V  P  D  R
541 AAAGCTCCCAAACTCCTCATTTATGACAATAATCAACGACCCTCAGGGGTCCCTGACCGG

201   F  S  G  S  K  S  G  T  S  A  S  L  A  I  S  G  L  R  S  E
601 TTCTCTGGCTCCAAGTCTGGCACCTCAGCCTCCCTGGCCATCAGTGGGCTGCGGTCCGAG

221   D  E  A  D  Y  Y  C  A  A  W  D  D  S  L  S  G  L  V  F  G
661 GATGAGGCTGATTATTACTGTGCAGCATGGGATGACAGCCTGAGTGGGCTGGTGTTCGGG

241   T  G  T  K  L  T  V  L
721  ACCGGGACCAAACTCACTGTGCTG
```

Figure 5A

VH **CDR1**
EVQLLESGGGLVQPGGSLRLSCAASGFTFS DHDMH WVRQAPGKGLEWVS
CDR2
GISWKSDSMAYRDSVKG RFTISRDNSKNTLYLQMNSLRAEDTAVYYCAR
CDR3
DQEHFDFDY WGQGTLVTVSS

V-Lambda **CDR1**
DIVLTQPPSASGTPGQRVTISC SGSSSNLGSNTVN WYQQLPGKAPKLLIY
CDR2 **CDR3**
DNNQRPS GVPDRFSGSKSGTSASLAISGLRSEDEADYYC AAWDDSLSGLV

FGTGTKLTVL

Figure 5B

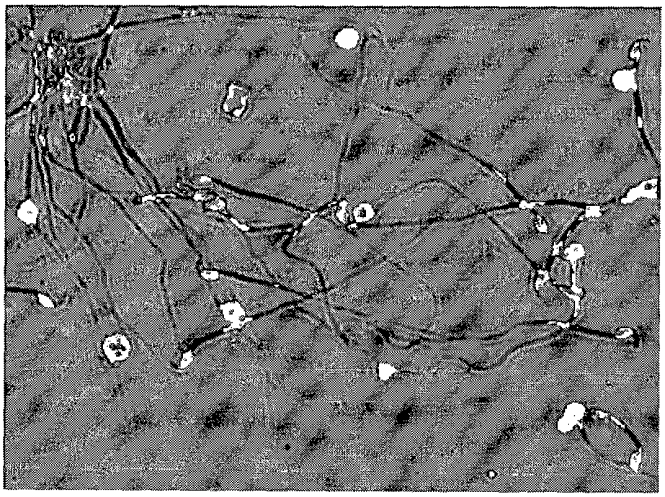


Figure 6A

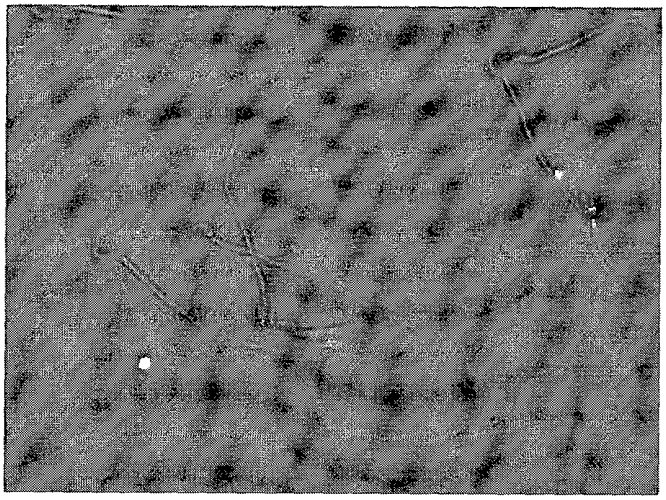


Figure 6B

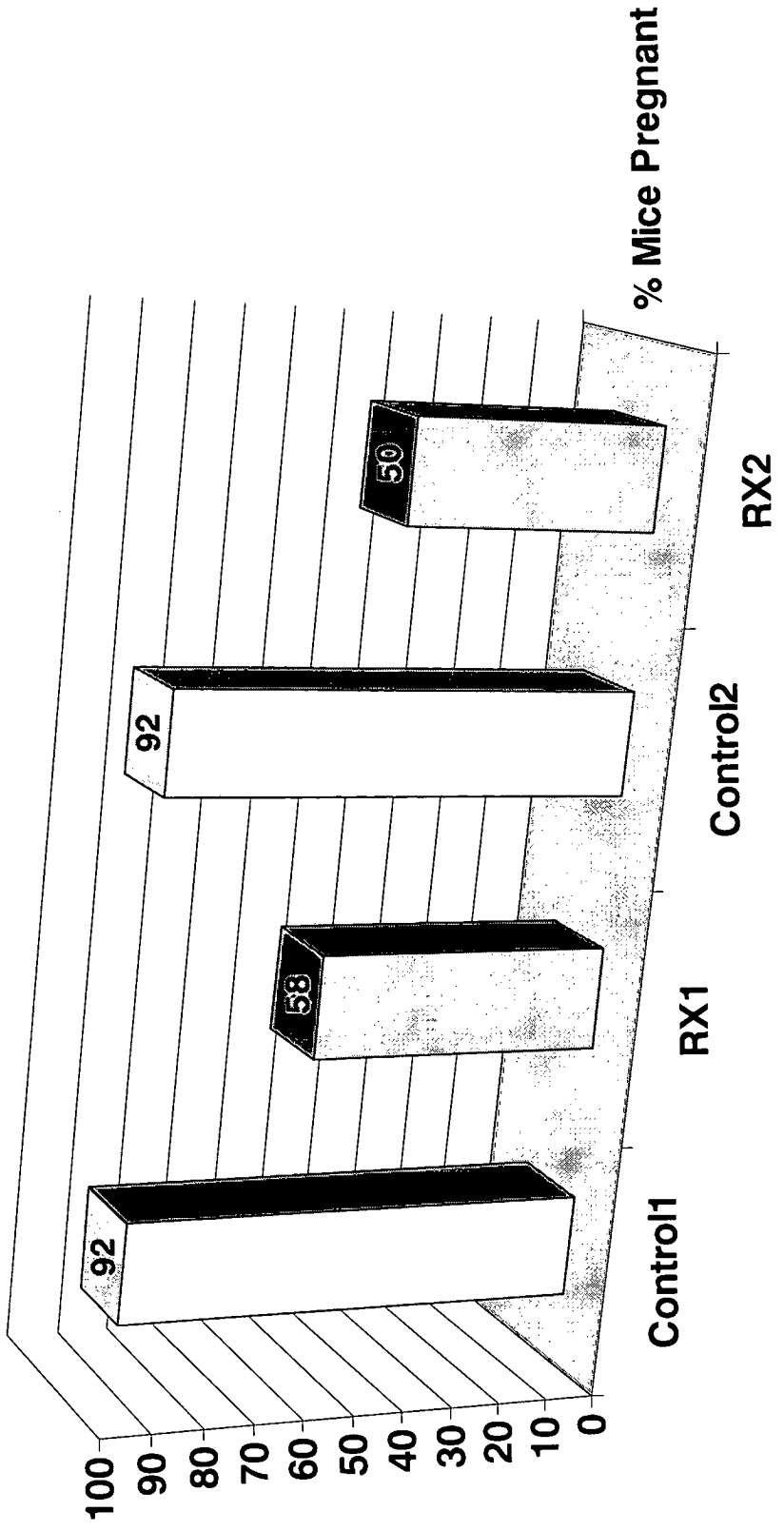

% Mice Pregnant
100
90
80
70
60
50
40
30
20
10
0
92
58
92
50
Control1
RX1
Control2
RX2

Figure 7A

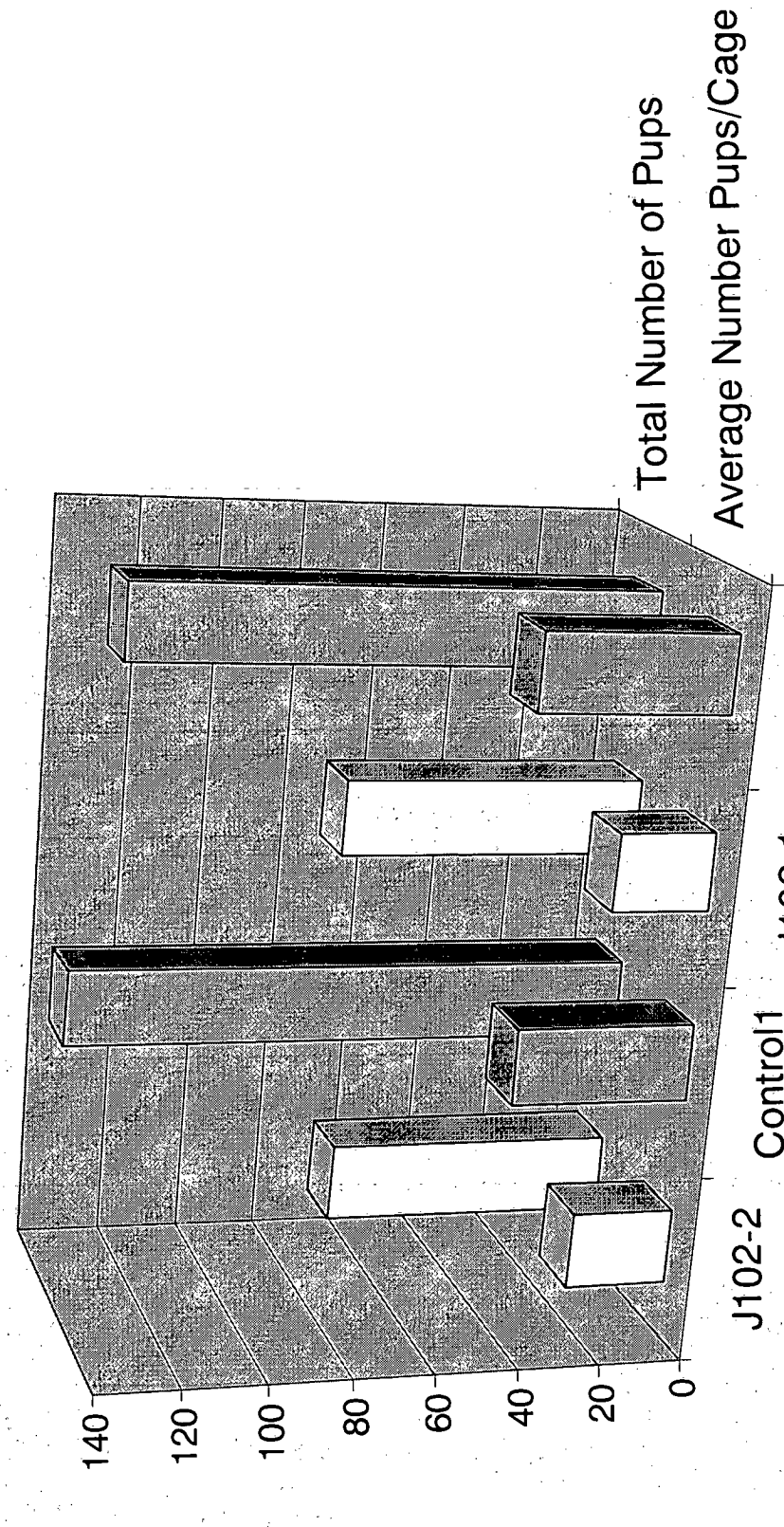

Total Number of Pups
Average Number Pups/Cage
140
120
100
80
60
40
20
0
J102-2
Control1
J102-1
Control2

Figure 7B