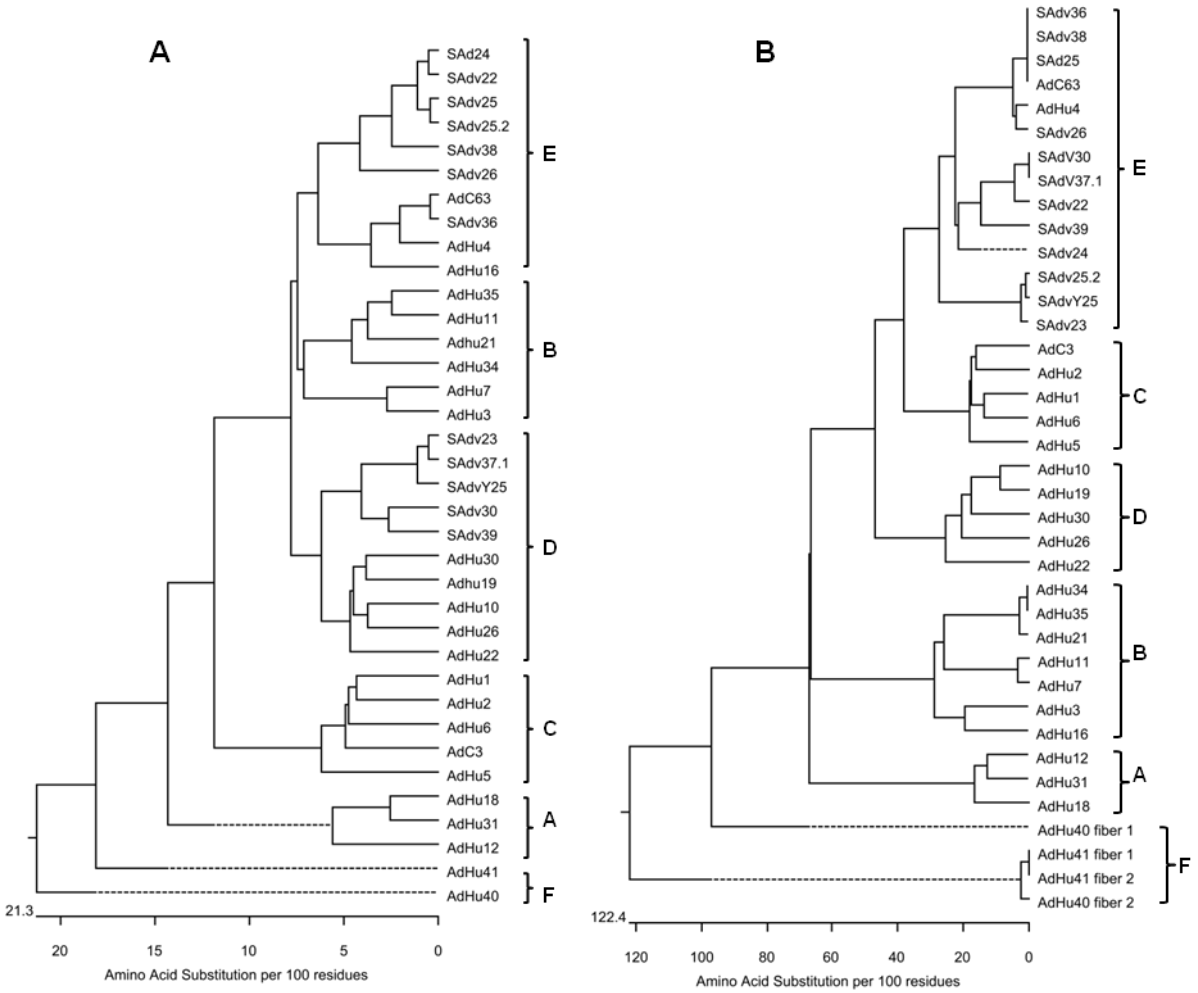

A
SAd24
SAdv22
SAdv25
SAdv25.2
SAdv38
SAdv26
AdC63
SAdv36
AdHu4
AdHu16
E
AdHu35
AdHu11
Adhu21
AdHu34
AdHu7
AdHu3
B
SAdv23
SAdv37.1
SAdvY25
SAdv30
SAdv39
AdHu30
Adhu19
AdHu10
AdHu26
AdHu22
D
AdHu1
AdHu2
AdHu6
AdC3
AdHu5
C
AdHu18
AdHu31
AdHu12
A
AdHu41
AdHu40
F
21.3
20
15
10
5
0
Amino Acid Substitution per 100 residues
B
SAdv36
SAdv38
SAd25
AdC63
AdHu4
SAdv26
SAdV30
SAdV37.1
SAdv22
SAdv39
SAdv24
SAdv25.2
SAdvY25
SAdv23
E
AdC3
AdHu2
AdHu1
AdHu6
AdHu5
C
AdHu10
AdHu19
AdHu30
AdHu26
AdHu22
D
AdHu34
AdHu35
AdHu21
AdHu11
AdHu7
AdHu3
AdHu16
B
AdHu12
AdHu31
AdHu18
A
AdHu40 fiber 1
AdHu41 fiber 1
AdHu41 fiber 2
AdHu40 fiber 2
F
122.4
120
100
80
60
40
20
0
Amino Acid Substitution per 100 residues

Figure 1

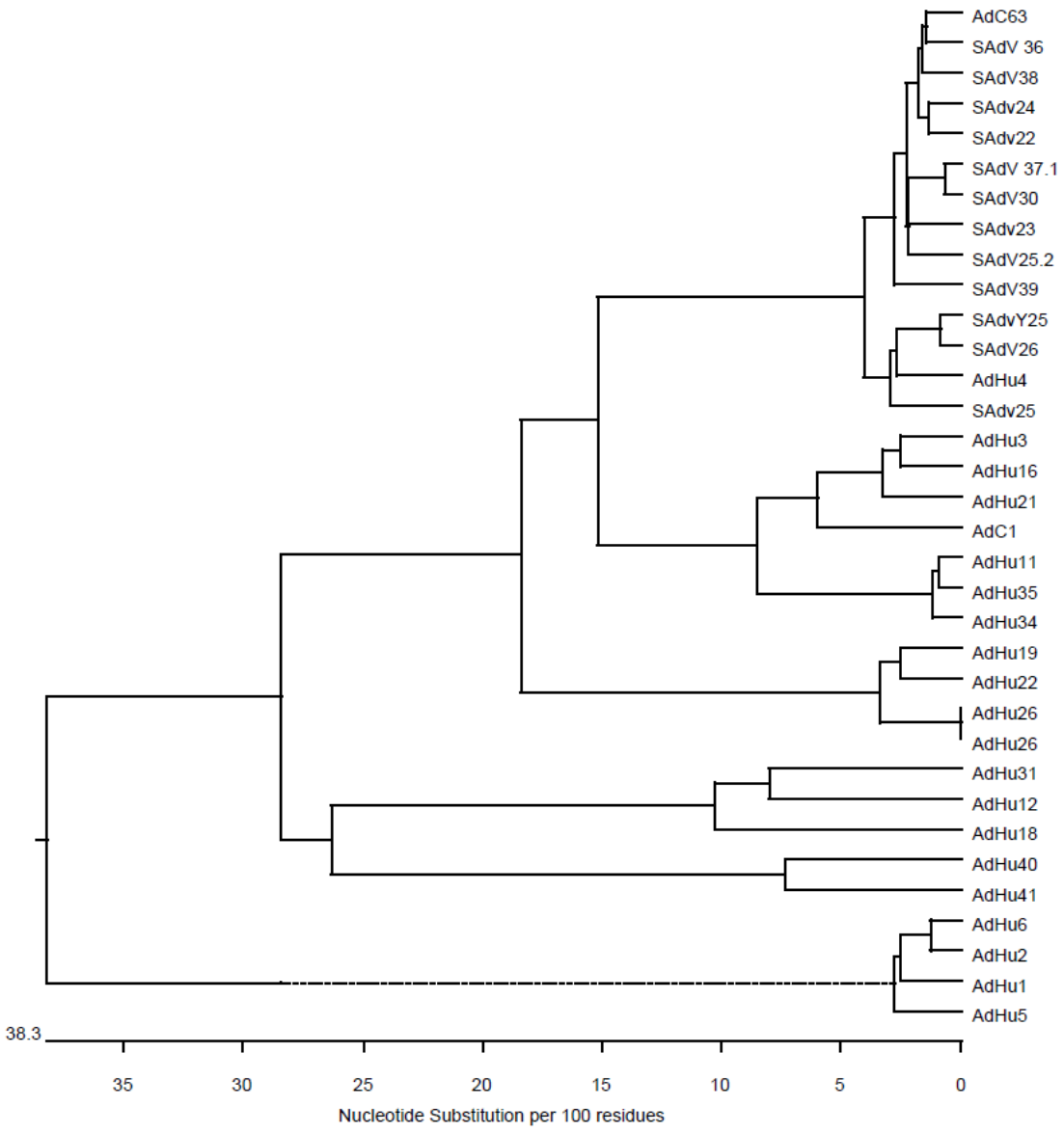
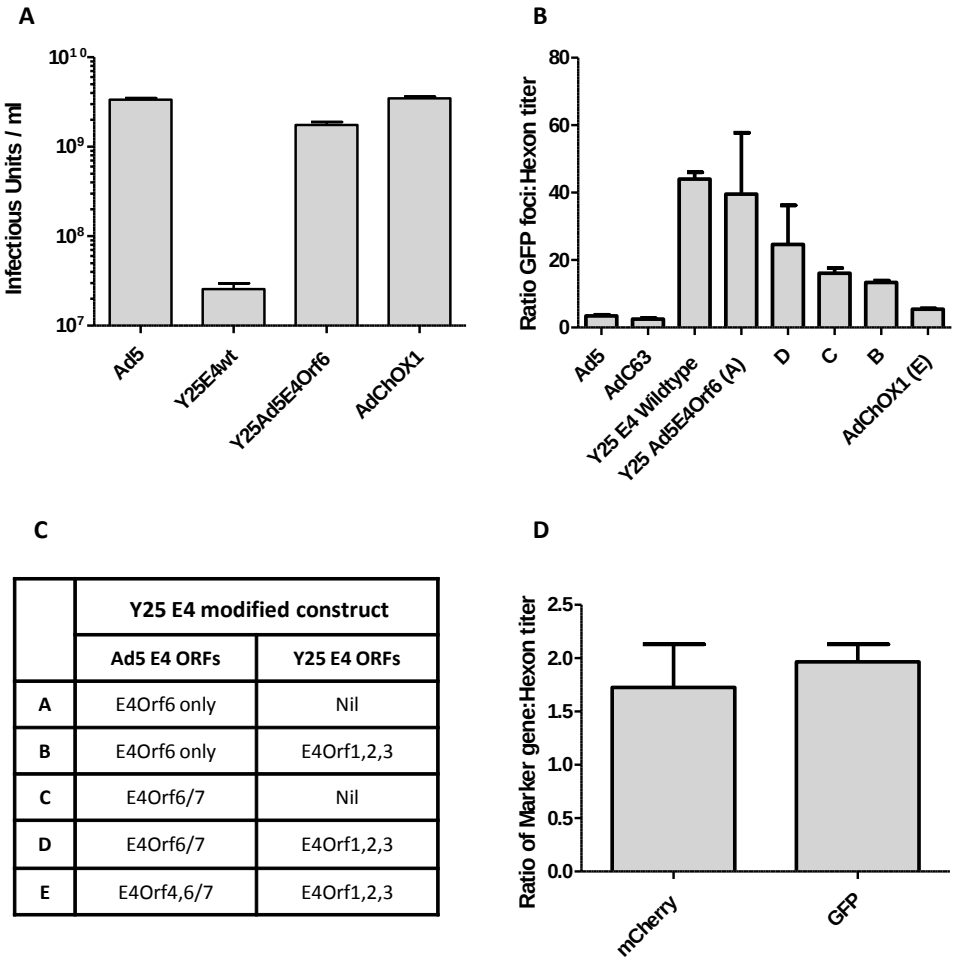

AdC63
SAdV 36
SAdV38
SAdv24
SAdv22
SAdV 37.1
SAdV30
SAdv23
SAdV25.2
SAdV39
SAdvY25
SAdV26
AdHu4
SAdv25
AdHu3
AdHu16
AdHu21
AdC1
AdHu11
AdHu35
AdHu34
AdHu19
AdHu22
AdHu26
AdHu26
AdHu31
AdHu12
AdHu18
AdHu40
AdHu41
AdHu6
AdHu2
AdHu1
AdHu5
38.3
35
30
25
20
15
10
5
0
Nucleotide Substitution per 100 residues

Figure 2



	Y25 E4 modified construct	
	Ad5 E4 ORFs	Y25 E4 ORFs
A	E4Orf6 only	Nil
B	E4Orf6 only	E4Orf1,2,3
C	E4Orf6/7	Nil
D	E4Orf6/7	E4Orf1,2,3
E	E4Orf4,6/7	E4Orf1,2,3

Figure 3

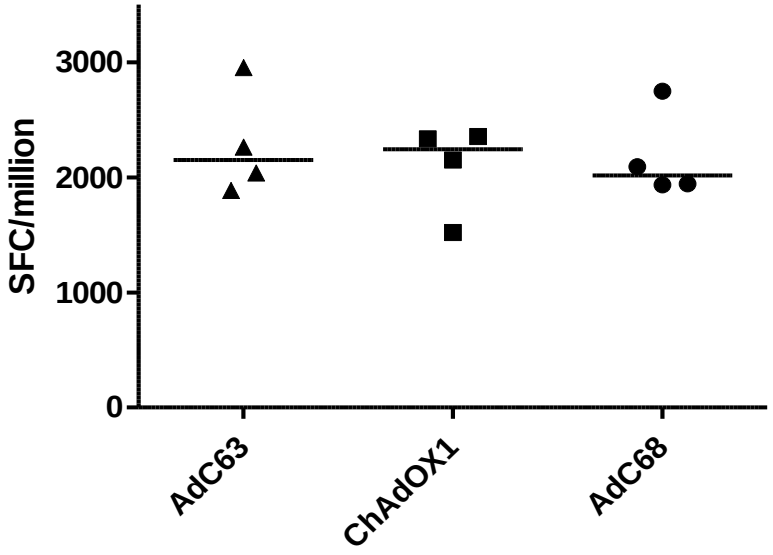


Figure 4

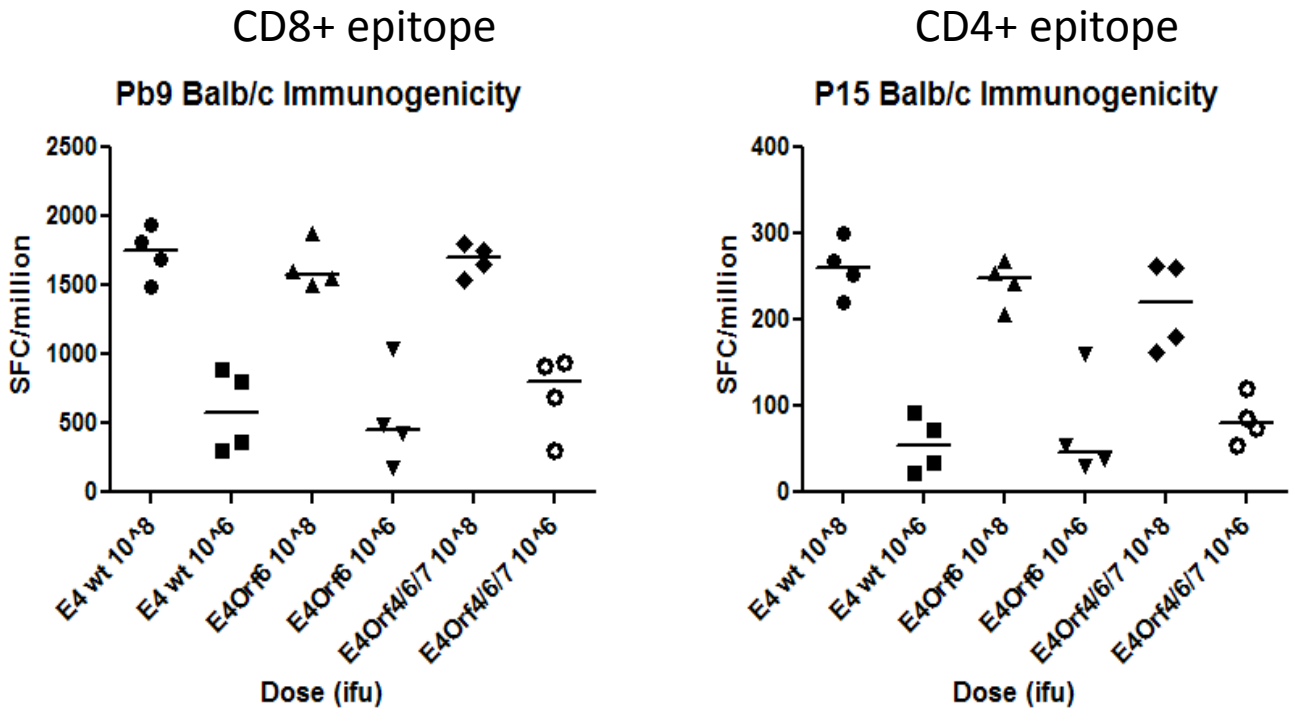

CD8+ epitope
Pb9 Balb/c Immunogenicity
SFC/million
2500
2000
1500
1000
500
0
E4 wt 10^8
E4 wt 10^6
E4Orf6 10^8
E4Orf6 10^6
E4Orf4/6/7 10^8
E4Orf4/6/7 10^6
Dose (ifu)
CD4+ epitope
P15 Balb/c Immunogenicity
SFC/million
400
300
200
100
0
E4 wt 10^8
E4 wt 10^6
E4Orf6 10^8
E4Orf6 10^6
E4Orf4/6/7 10^8
E4Orf4/6/7 10^6
Dose (ifu)

Figure 5

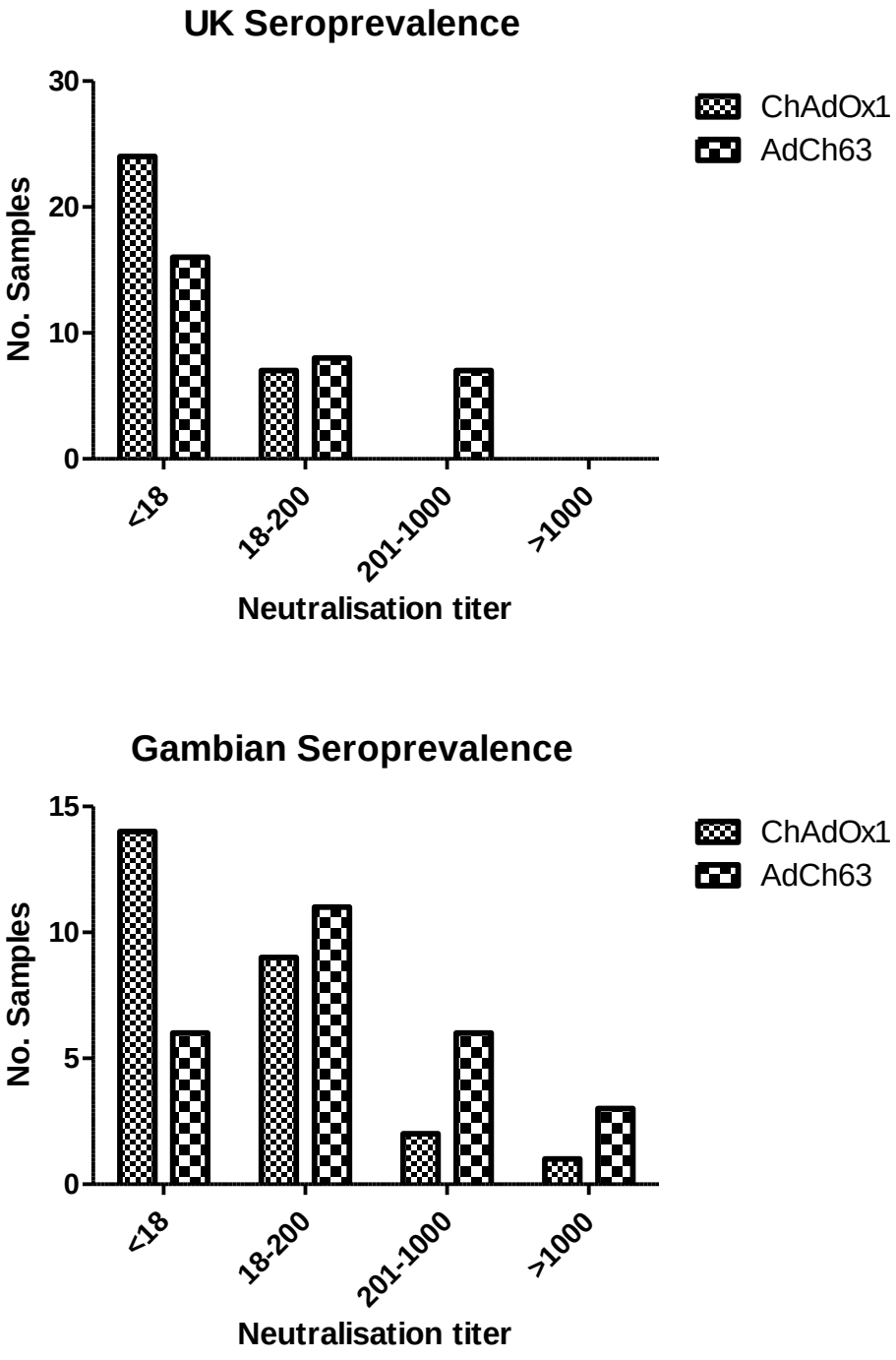

UK Seroprevalence
No. Samples
30
20
10
0
<18
18-200
201-1000
>1000
Neutralisation titer
ChAdOx1
AdCh63
Gambian Seroprevalence
No. Samples
15
10
5
0
<18
18-200
201-1000
>1000
Neutralisation titer
ChAdOx1
AdCh63

Figure 6

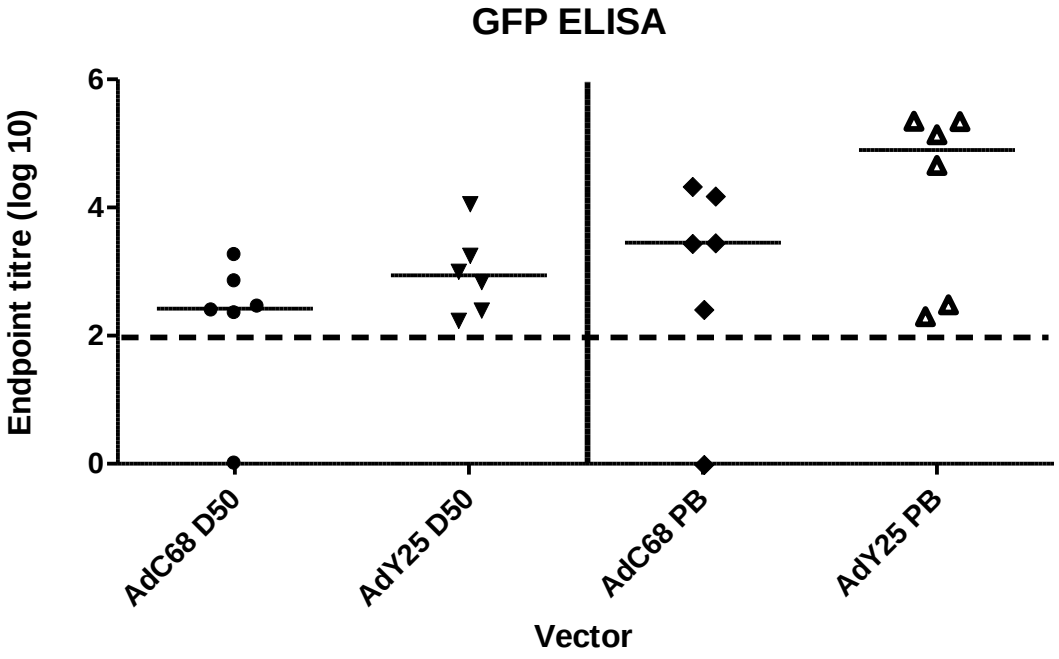

GFP ELISA
Endpoint titre (log 10)
6
4
2
0
AdC68 D50
AdY25 D50
AdC68 PB
AdY25 PB
Vector

Figure 7

A **B**

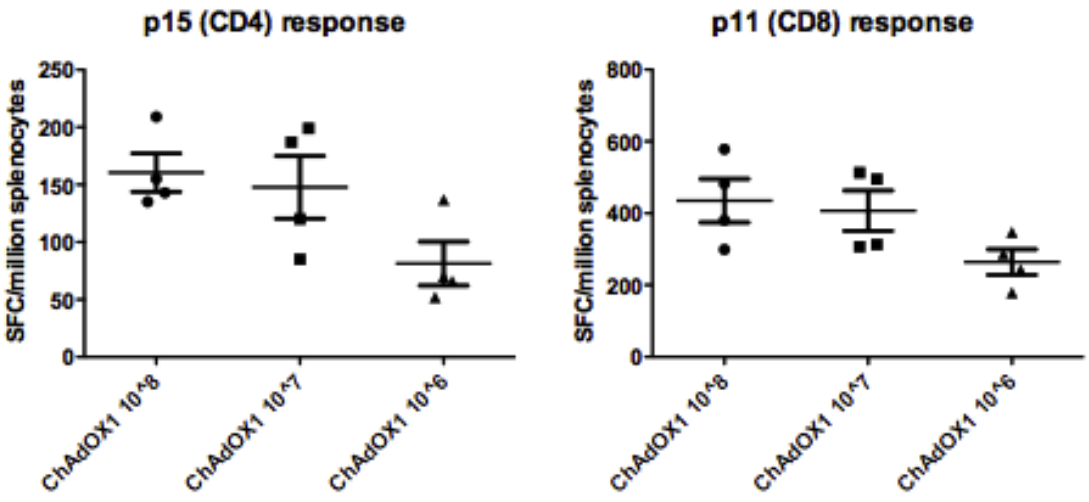

p15 (CD4) response
SFC/million splenocytes
250
200
150
100
50
0
ChAdOX1 10^8
ChAdOX1 10^7
ChAdOX1 10^6
p11 (CD8) response
SFC/million splenocytes
800
600
400
200
0
ChAdOX1 10^8
ChAdOX1 10^7
ChAdOX1 10^6

Figure 8

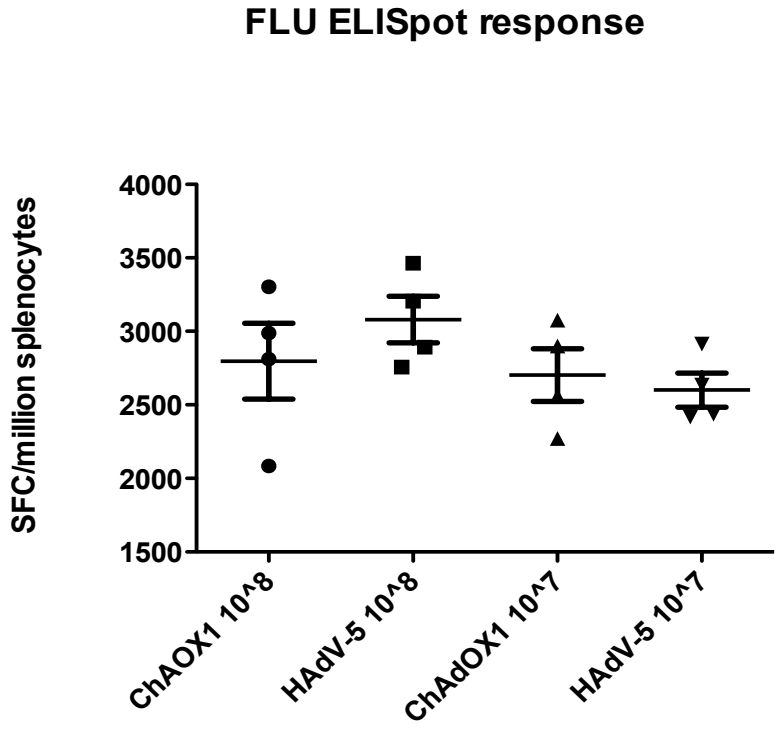

FLU ELISpot response
SFC/million splenocytes
4000
3500
3000
2500
2000
1500
ChAOX1 10^8
HAdV-5 10^8
ChAdOX1 10^7
HAdV-5 10^7

Figure 9