

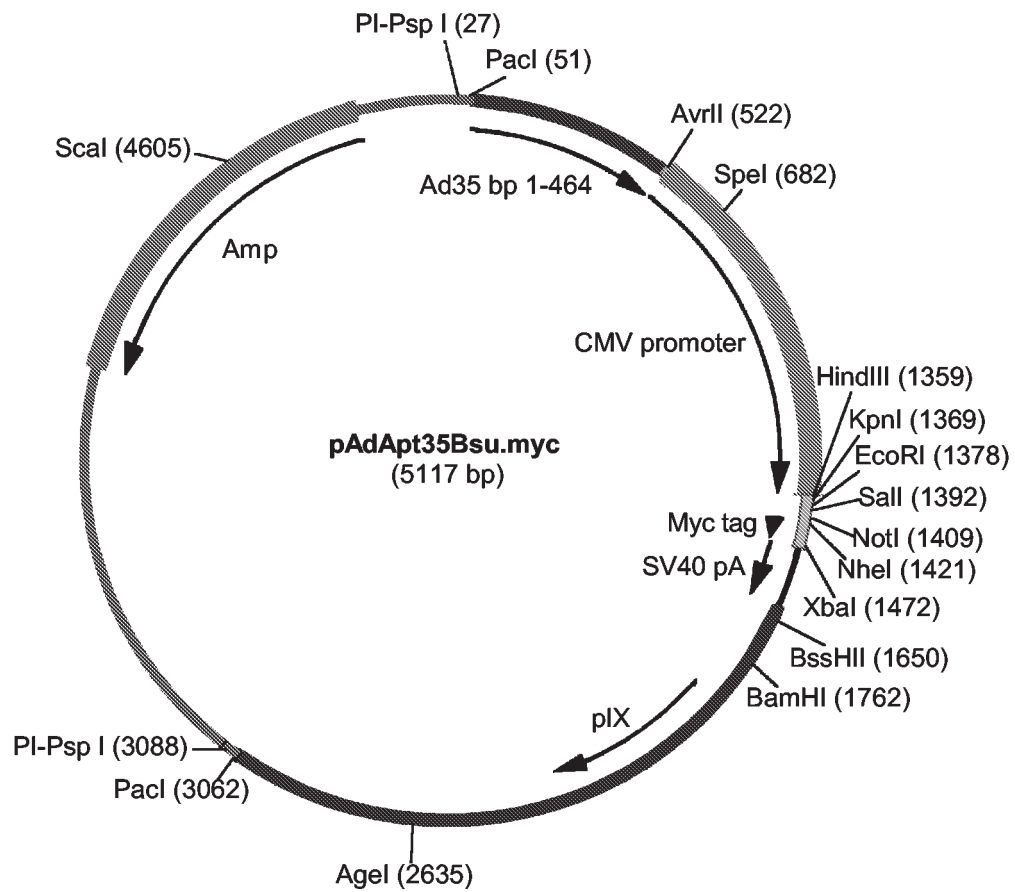
Fig 1

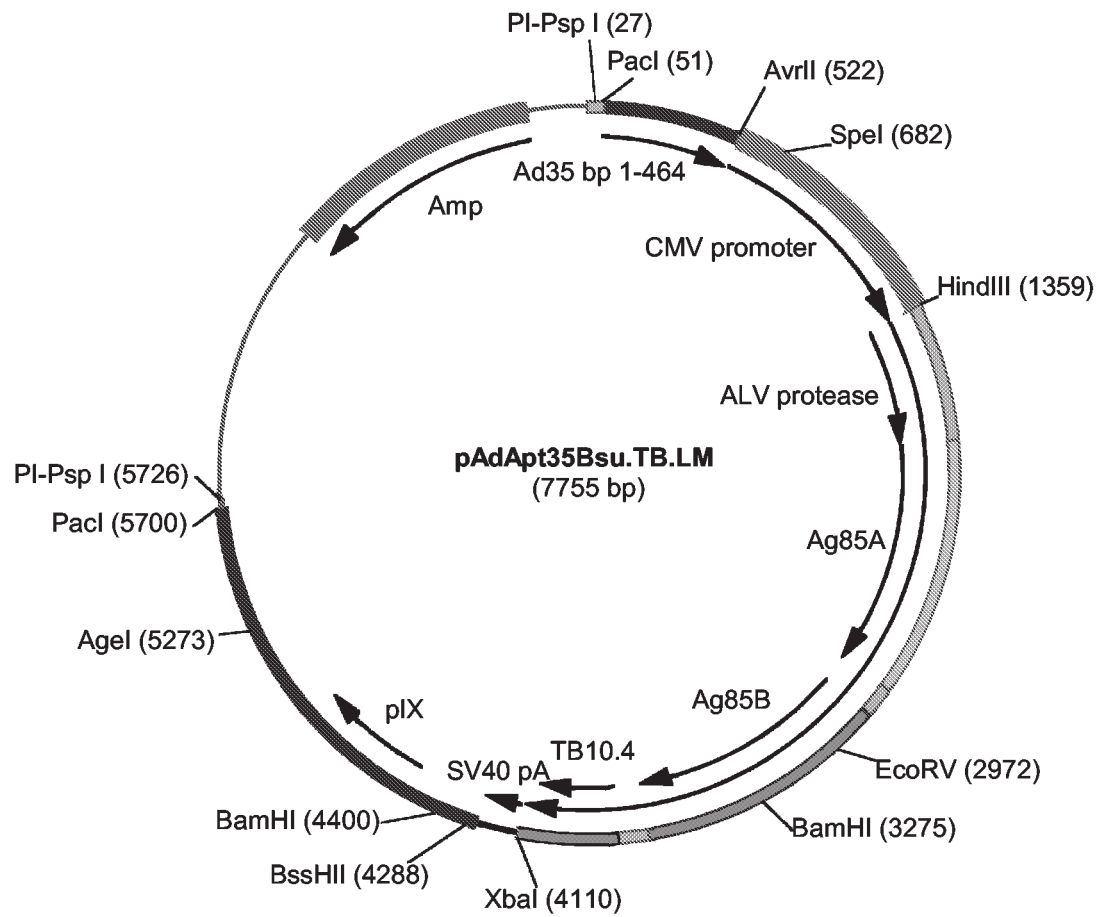
Fig 2

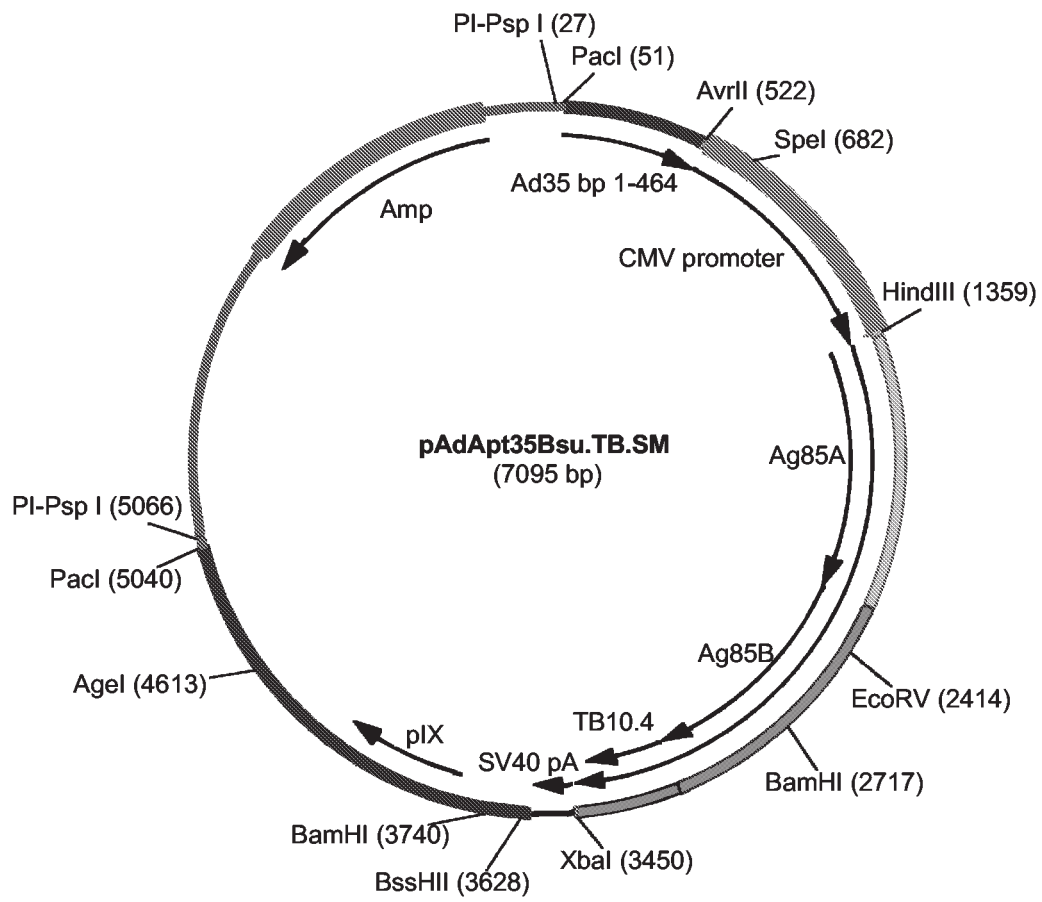
Fig 3

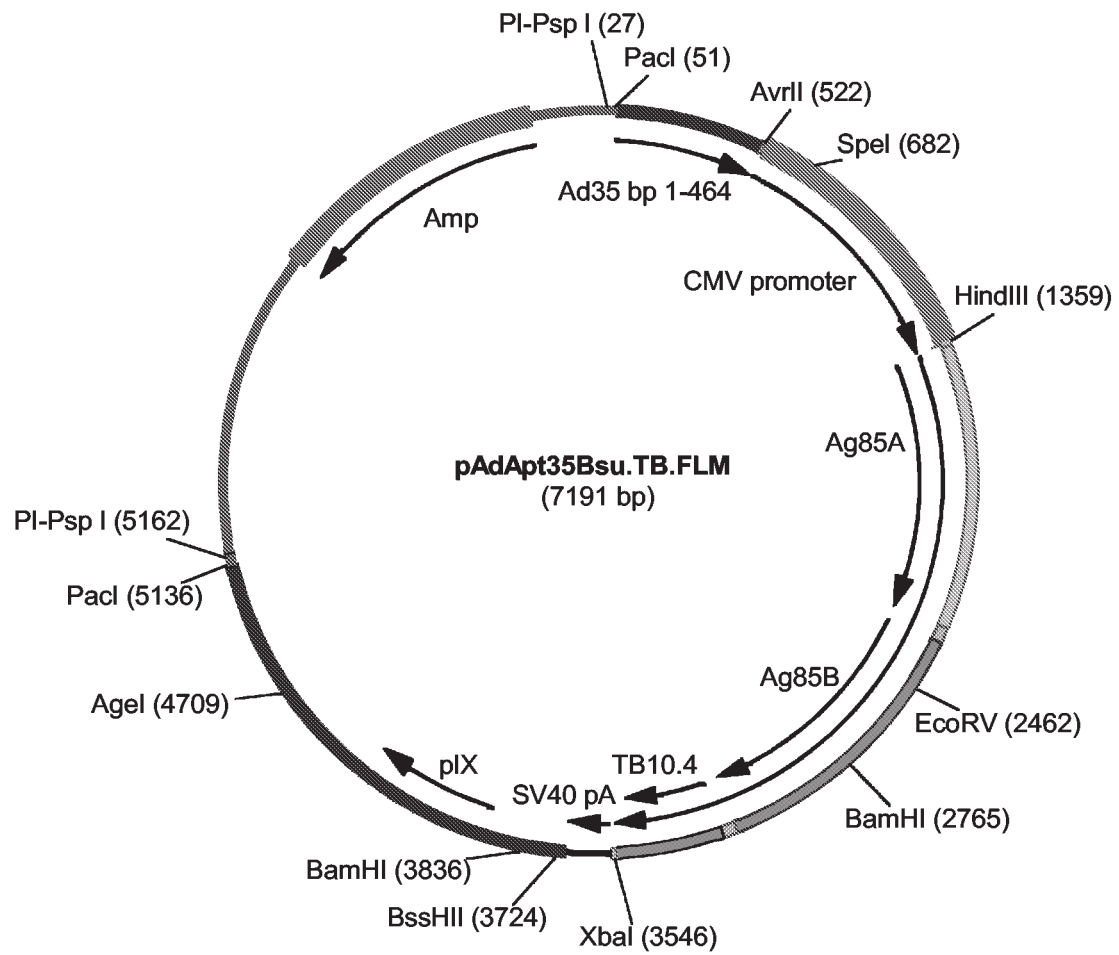
Fig 4

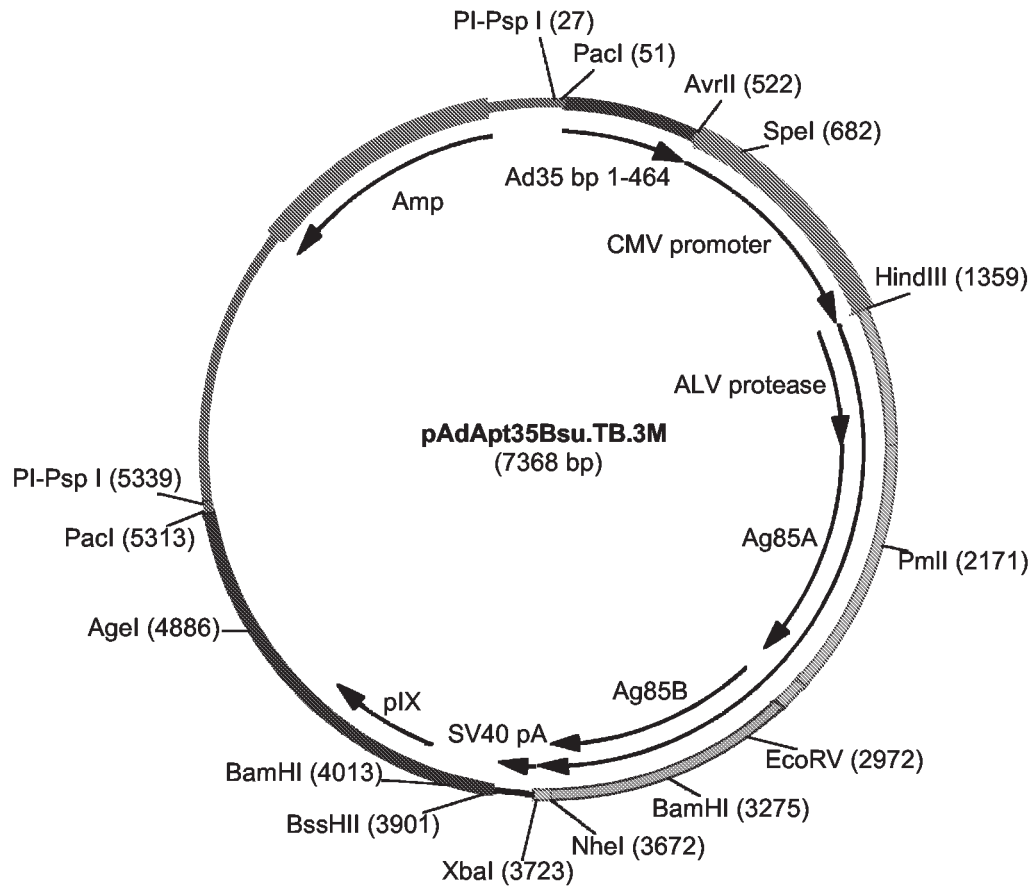
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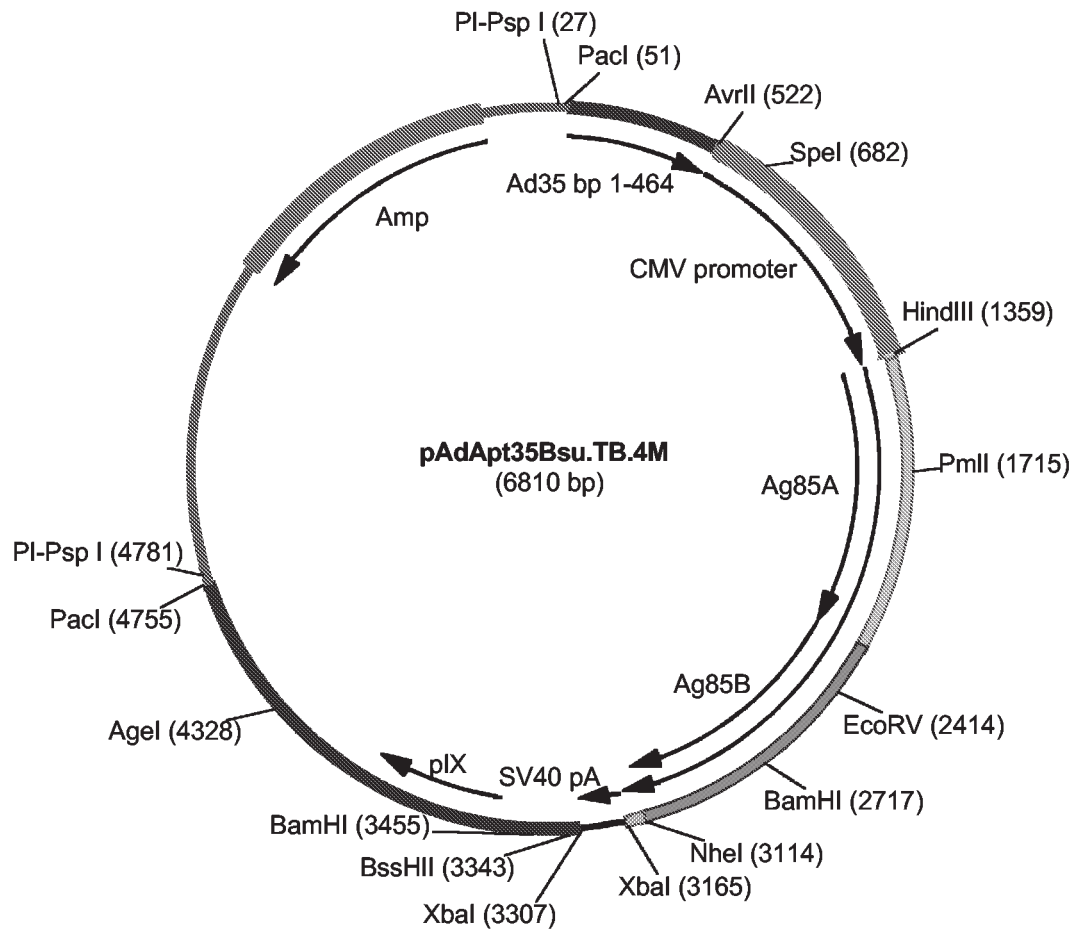
Fig 6

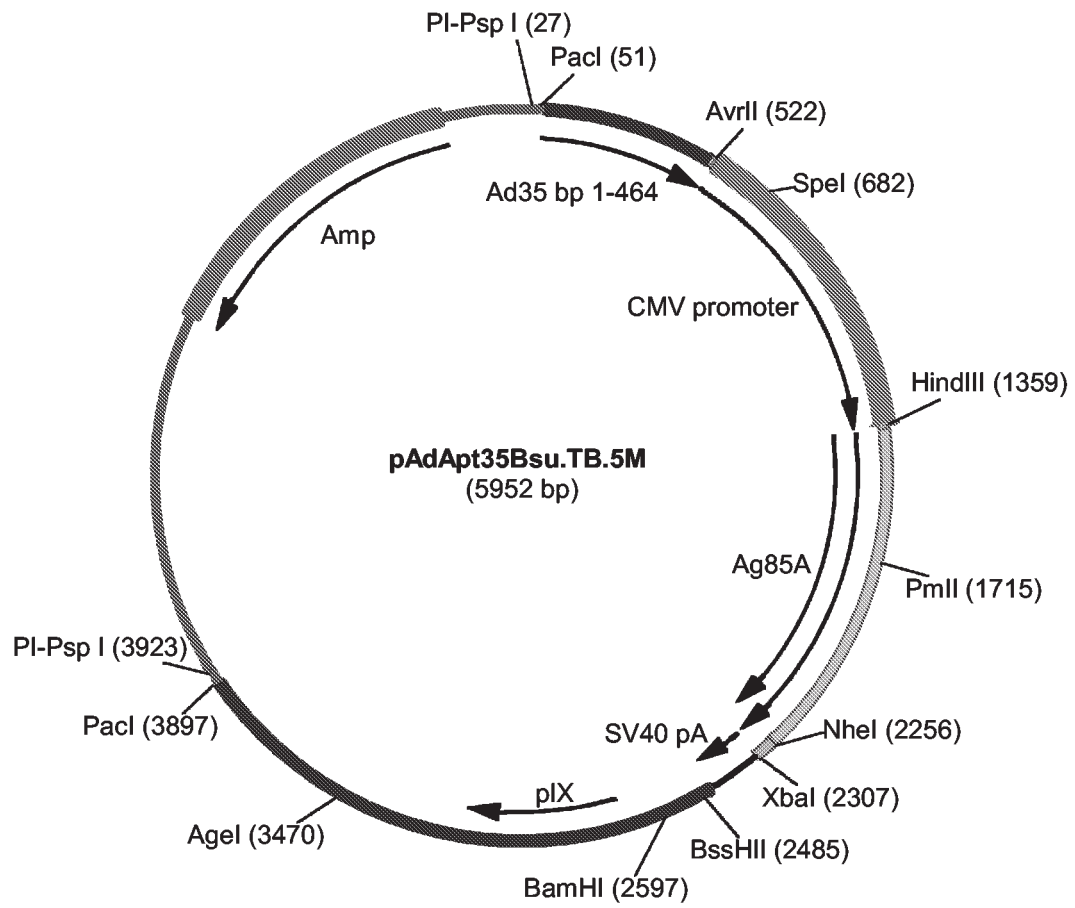
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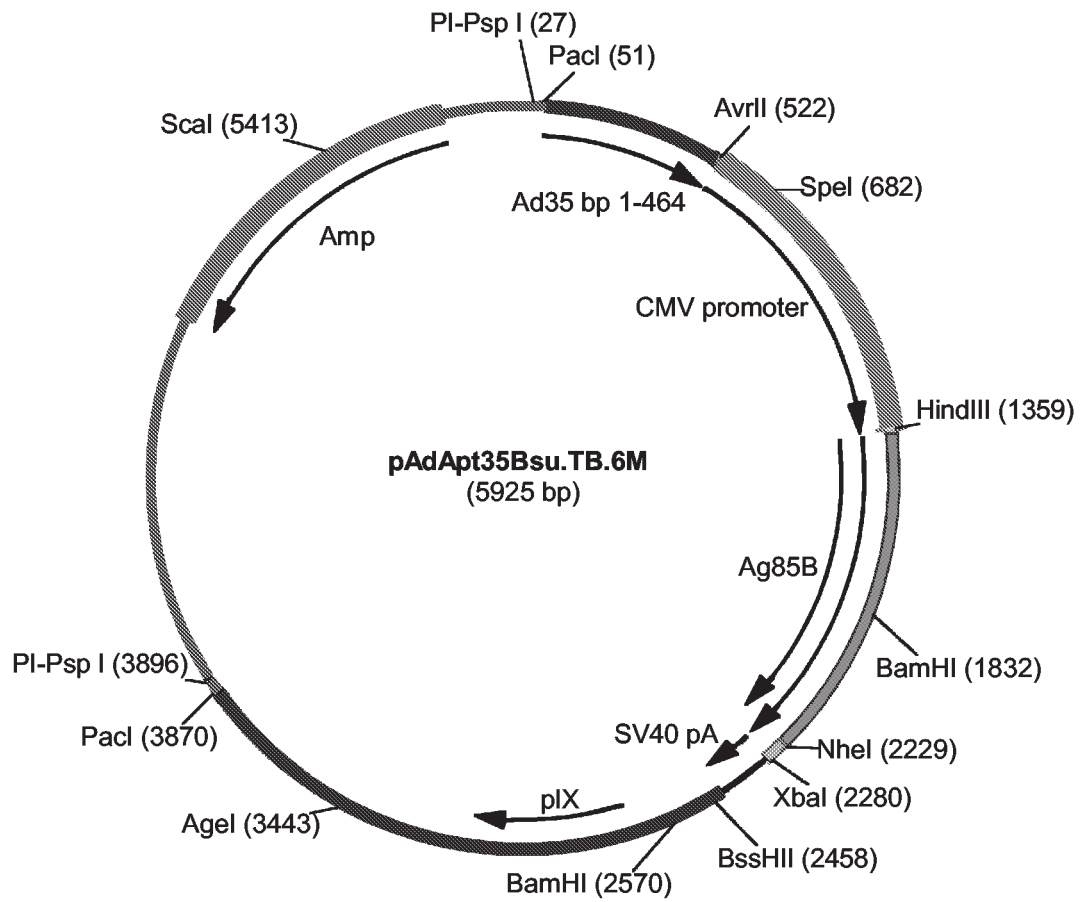
Fig 8

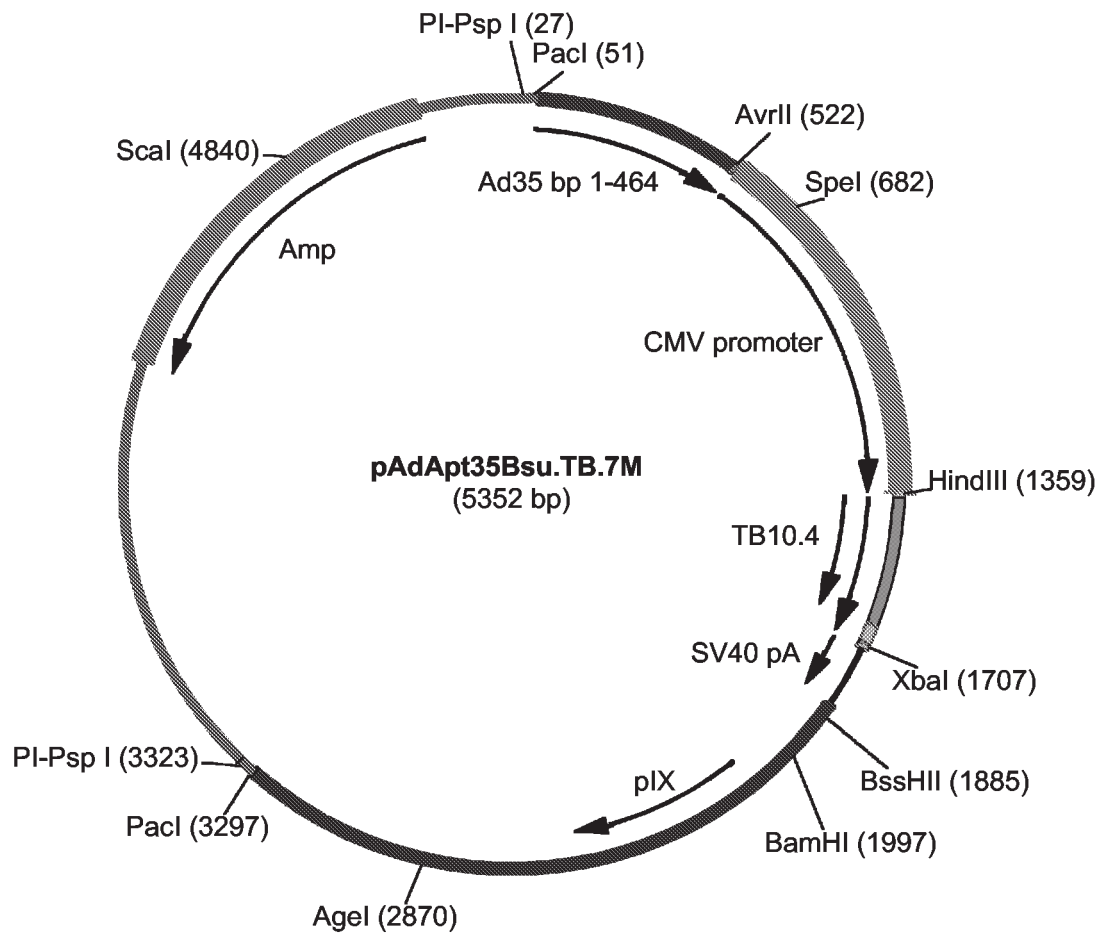
Fig 9

Fig 10A

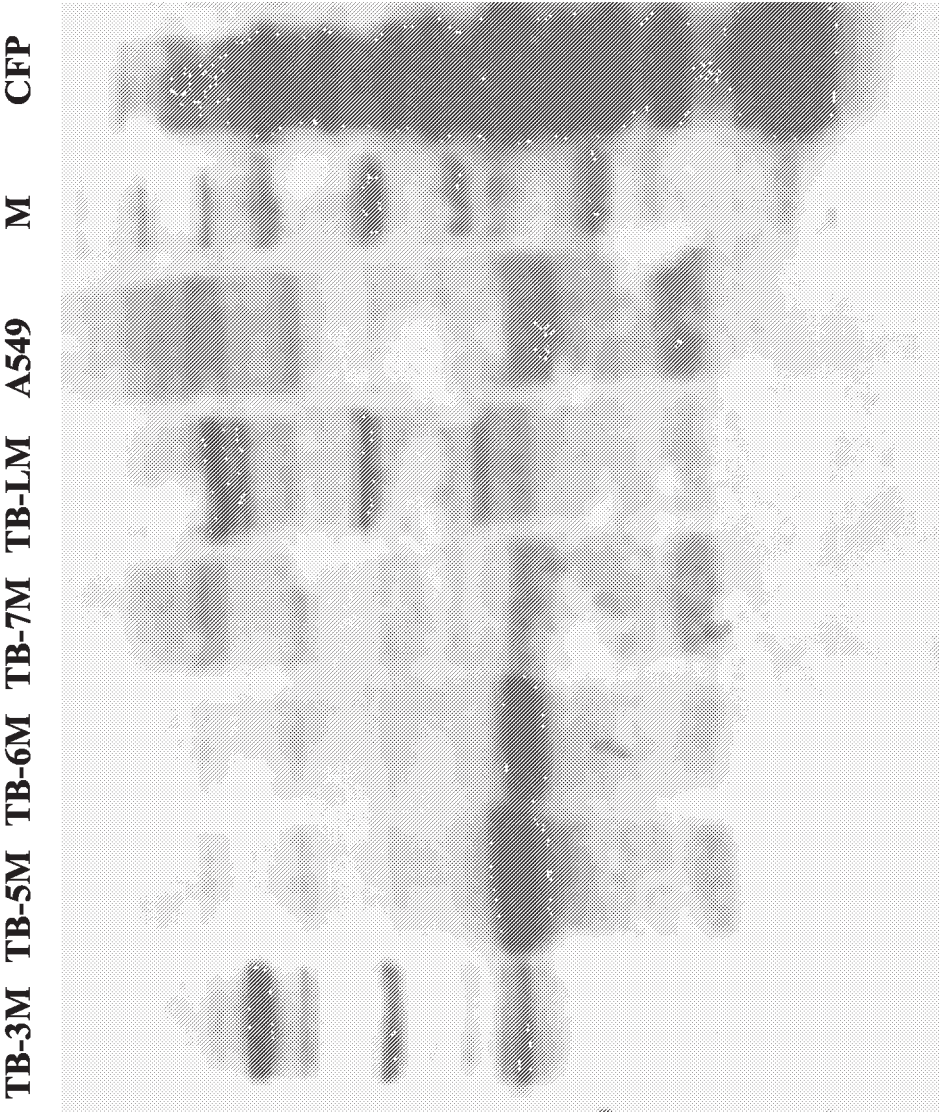


Fig 10B

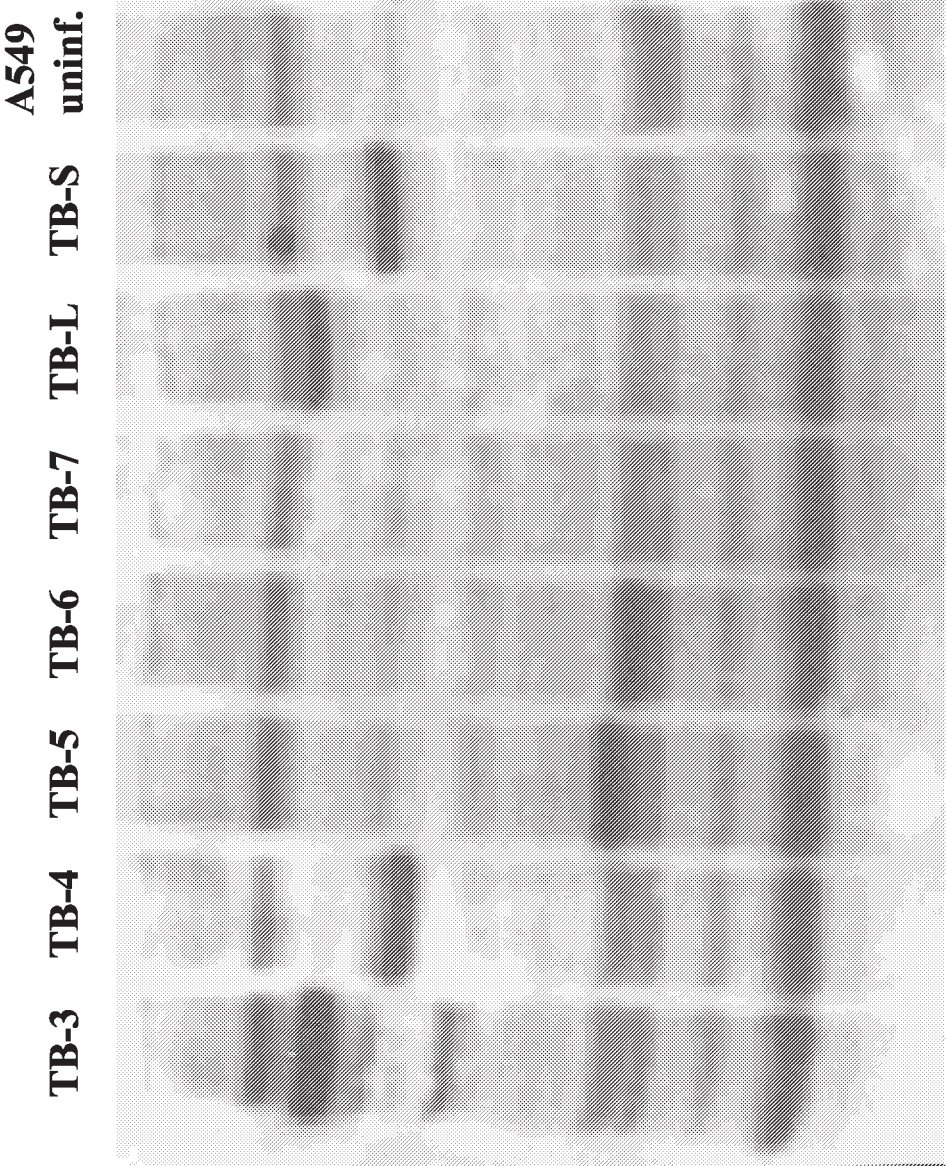


Fig 10C

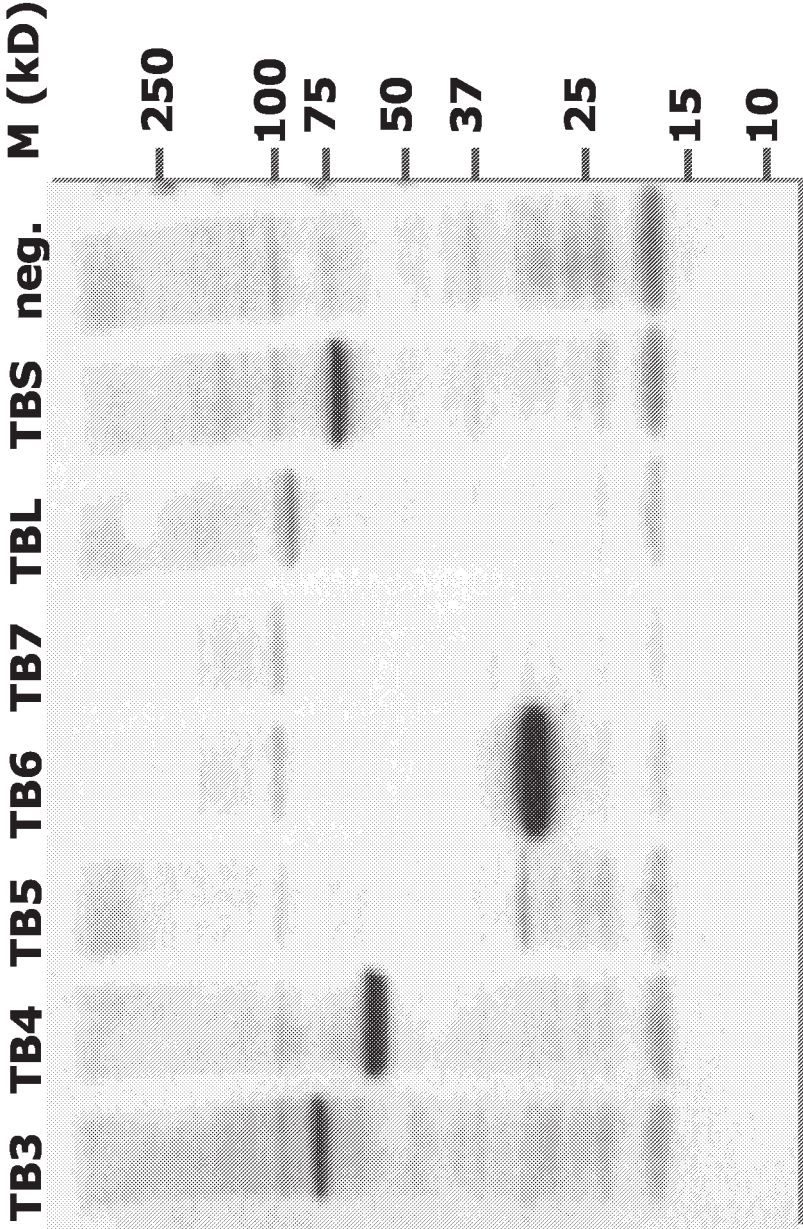


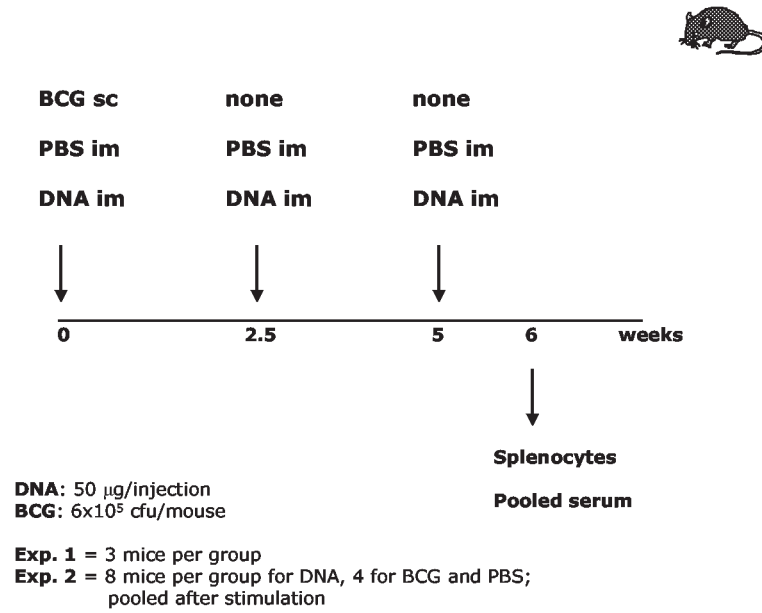
Fig 11

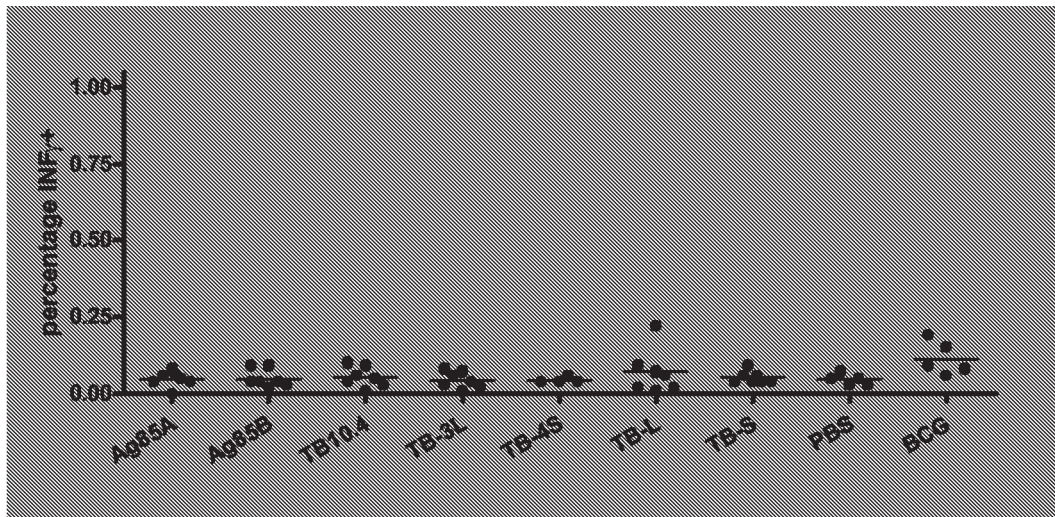
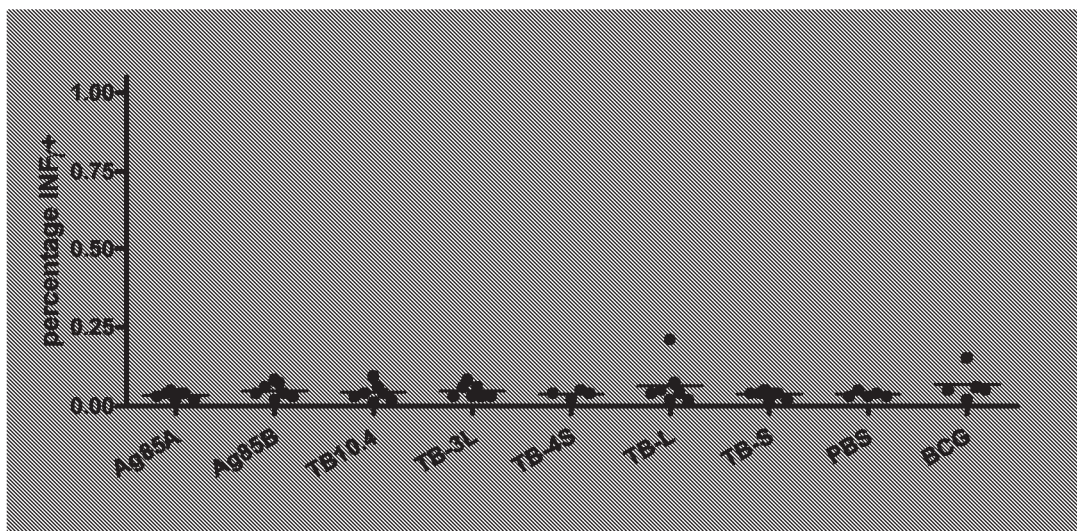
Fig 12. Stimulation: none**A. CD4****B. CD8**

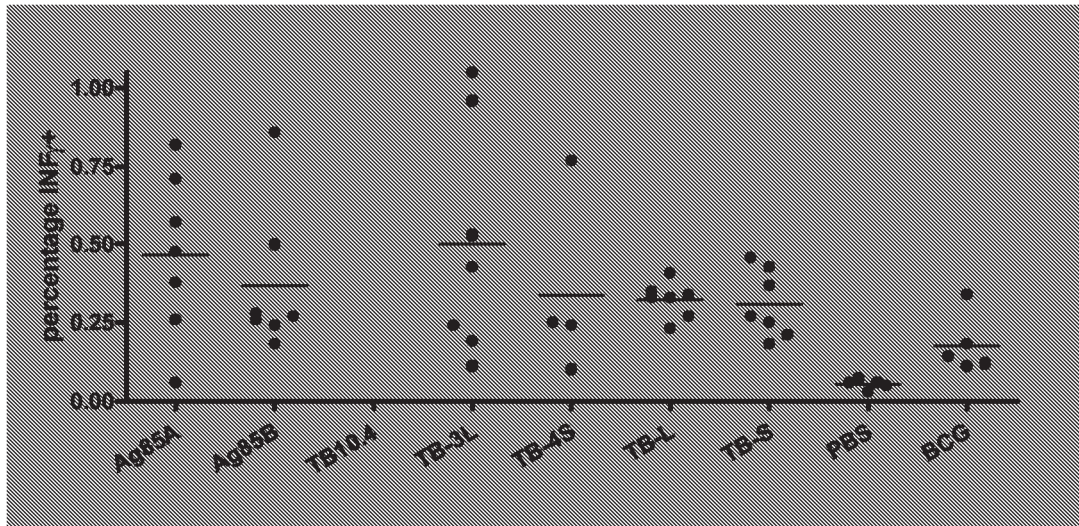
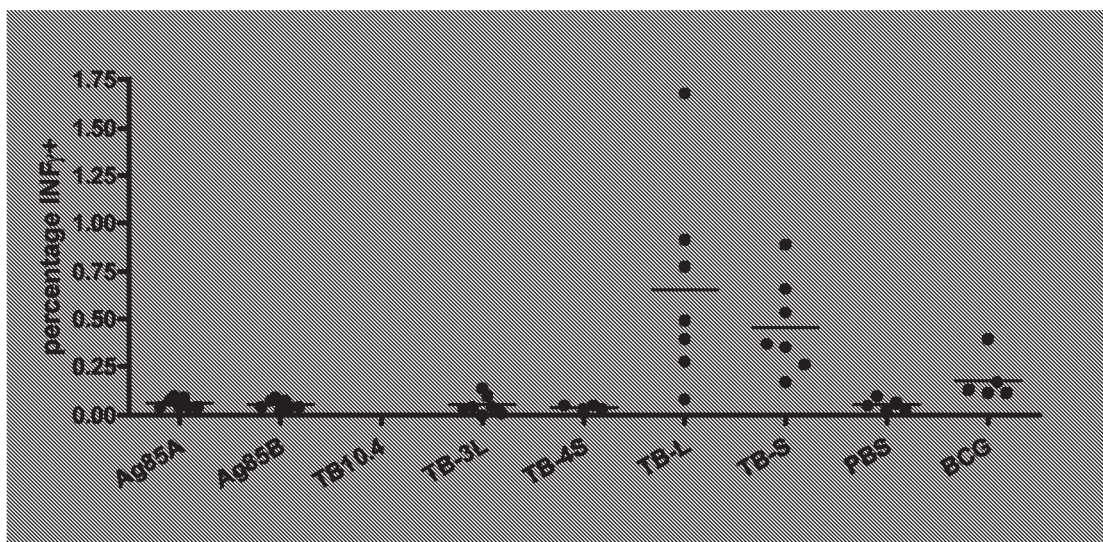
Fig 13 Stimulation: Ag85A peptides**A. CD4****B. CD8**

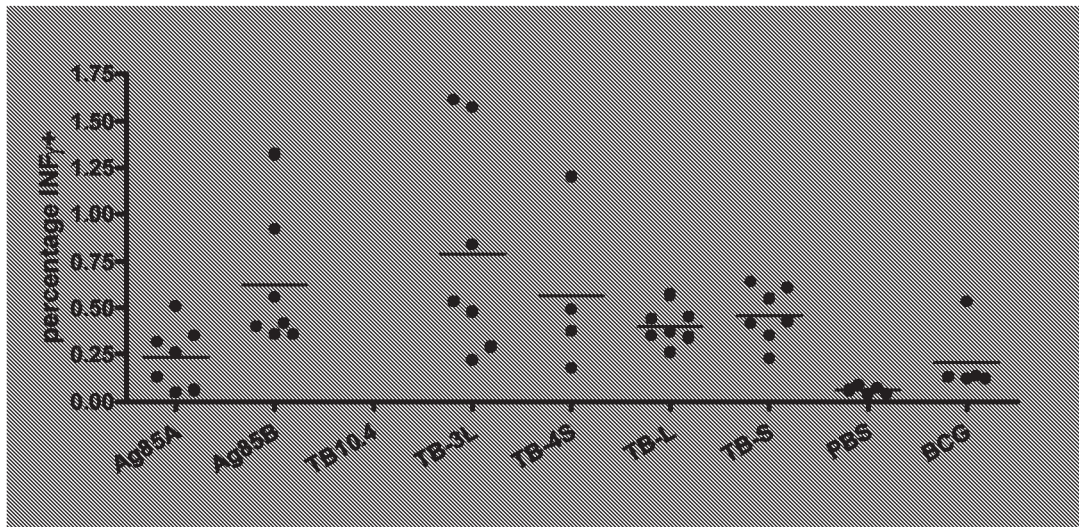
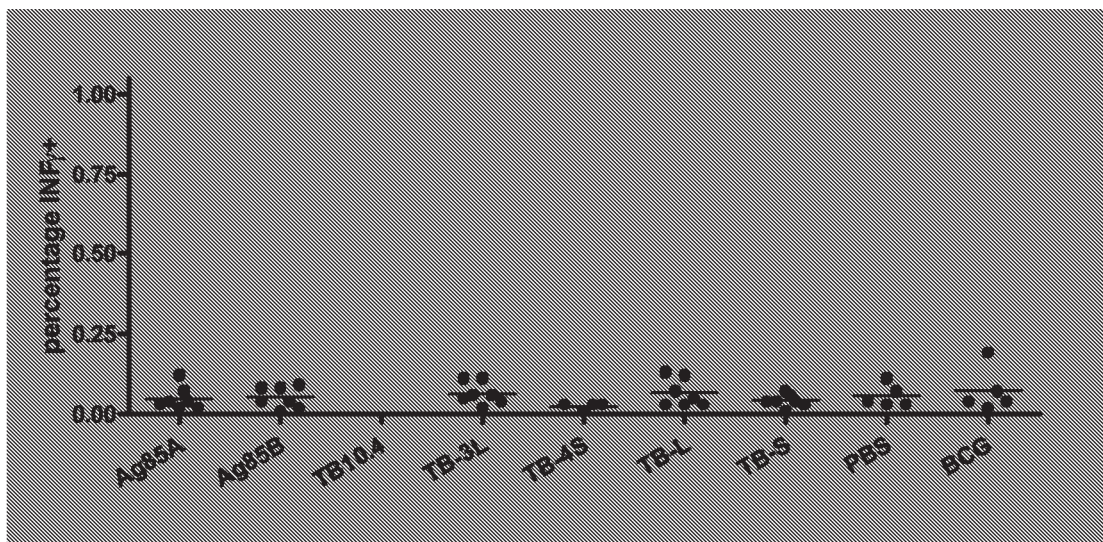
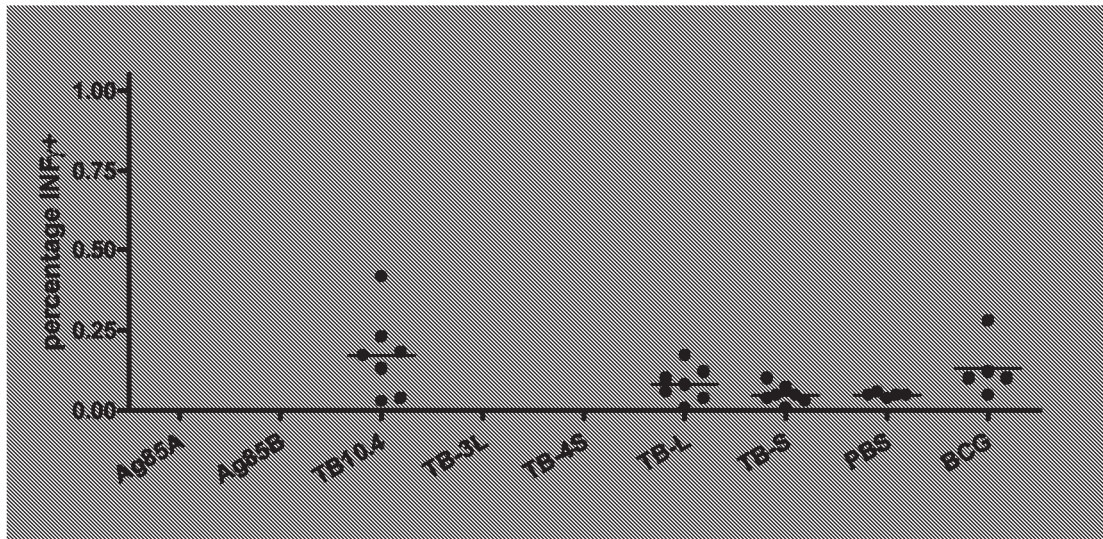
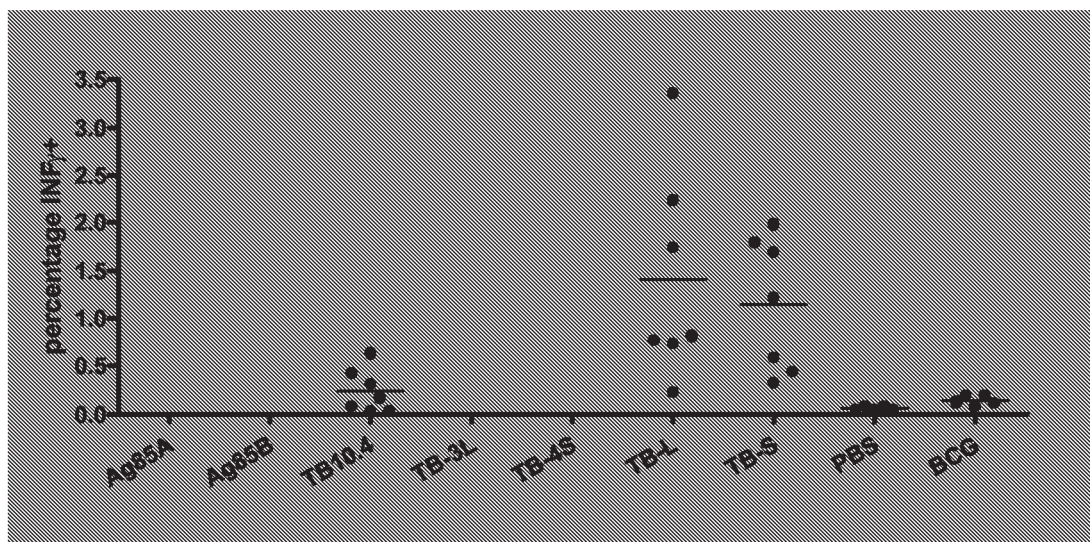
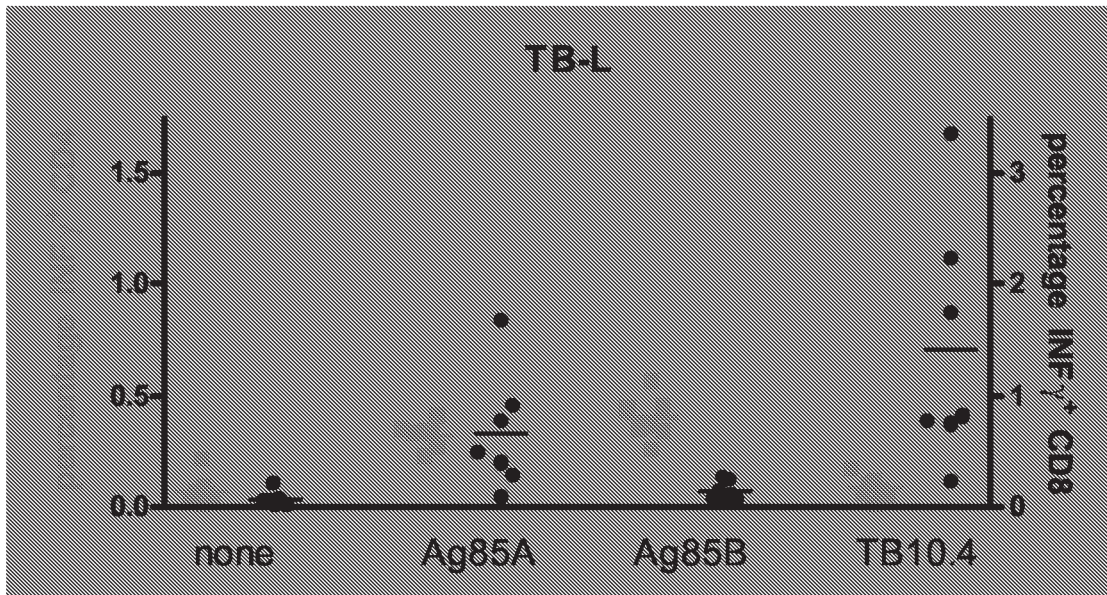
Fig 14 Stimulation: Ag85B peptides**A. CD4****B. CD8**

Fig 15 Stimulation: 10.4 peptides**A. CD4****B. CD8**

**Fig 16 Overview CD4 and CD8 responses
(triple inserts)**

A.



B.

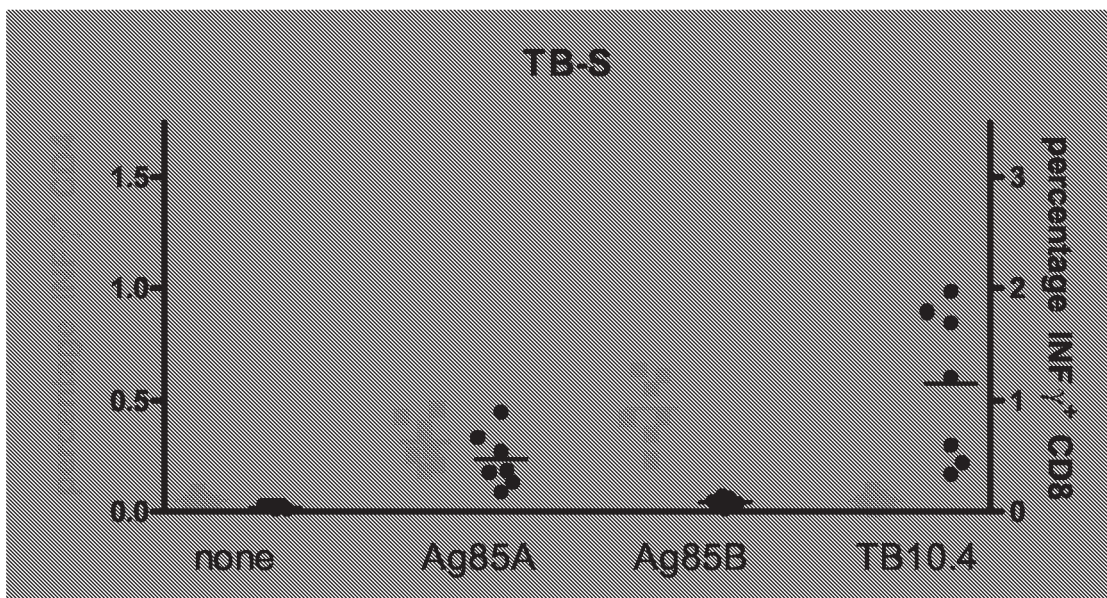


Fig 17 Dose response effect using TB-S
A. CD4

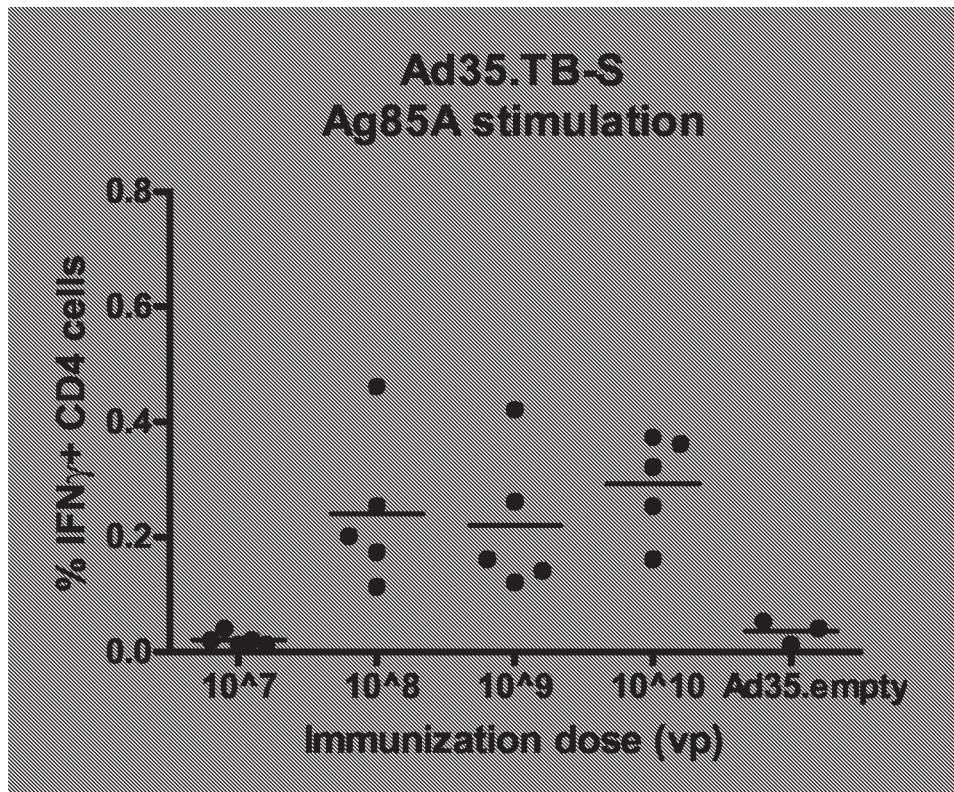


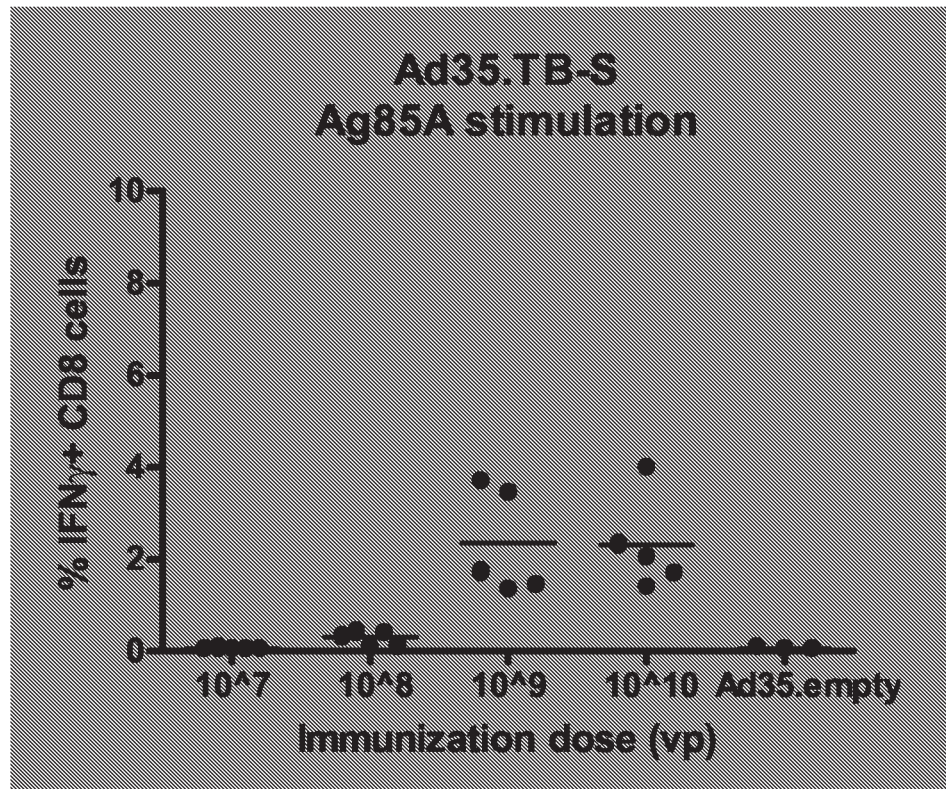
Fig 17B. CD8

Fig 17C. CD4

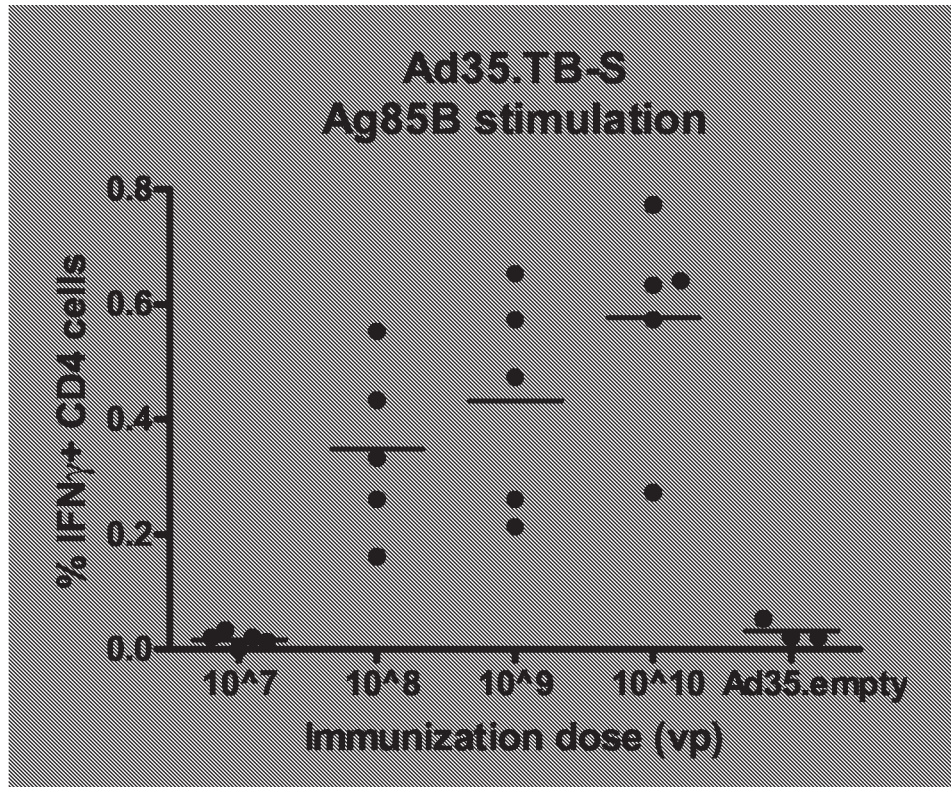


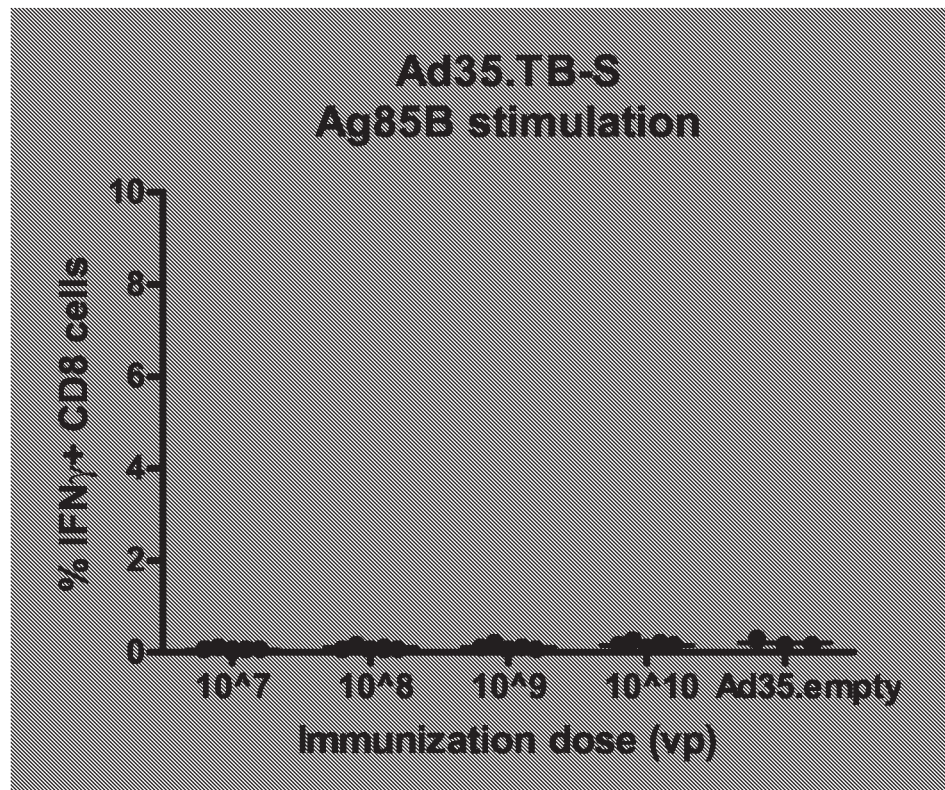
Fig 17D. CD8

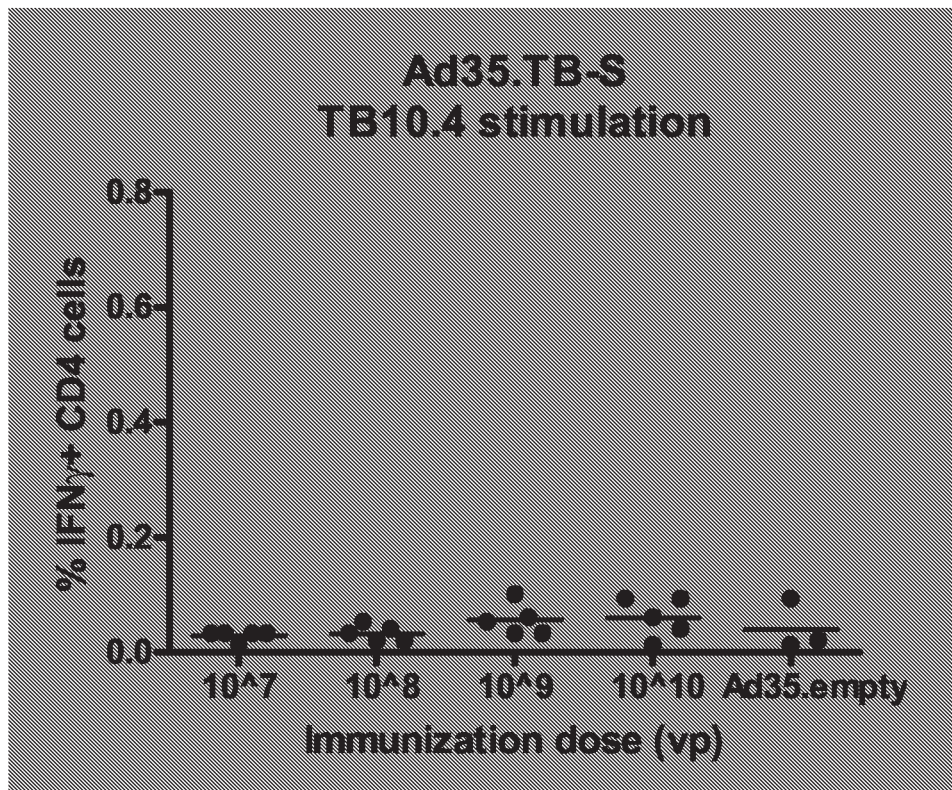
Fig 17E. CD4

Fig 17F. CD8

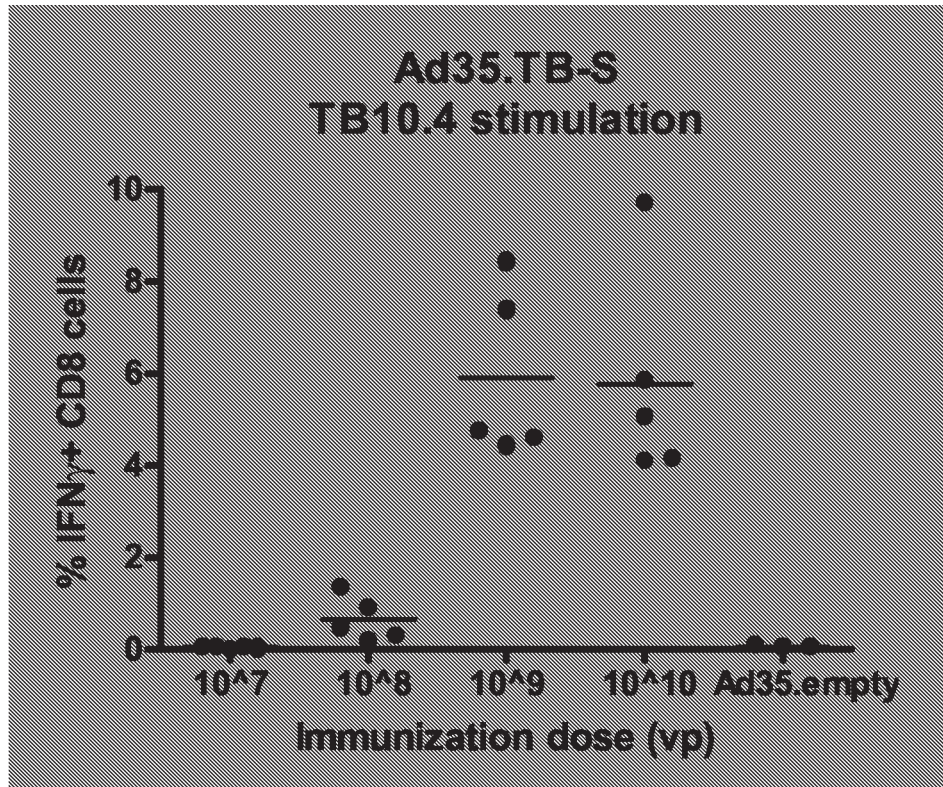


Fig. 17G

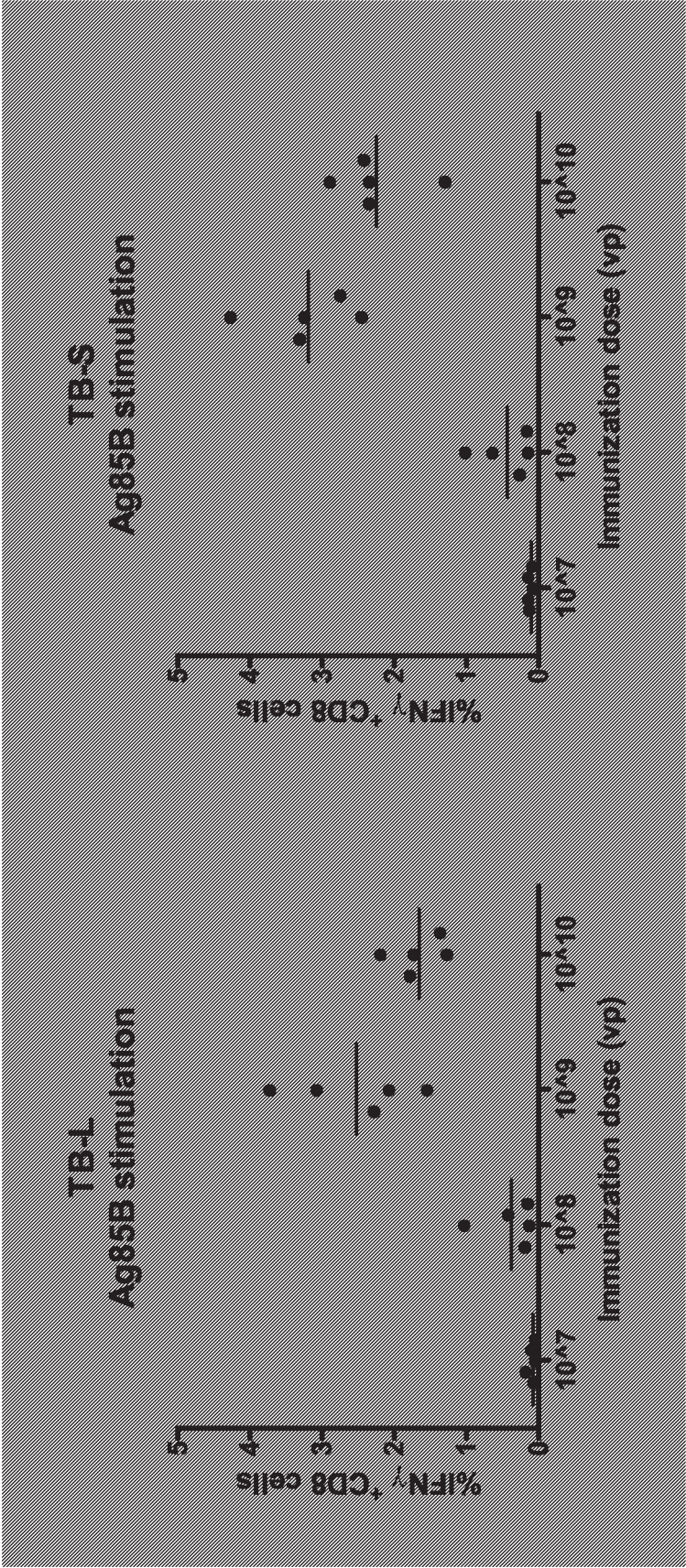
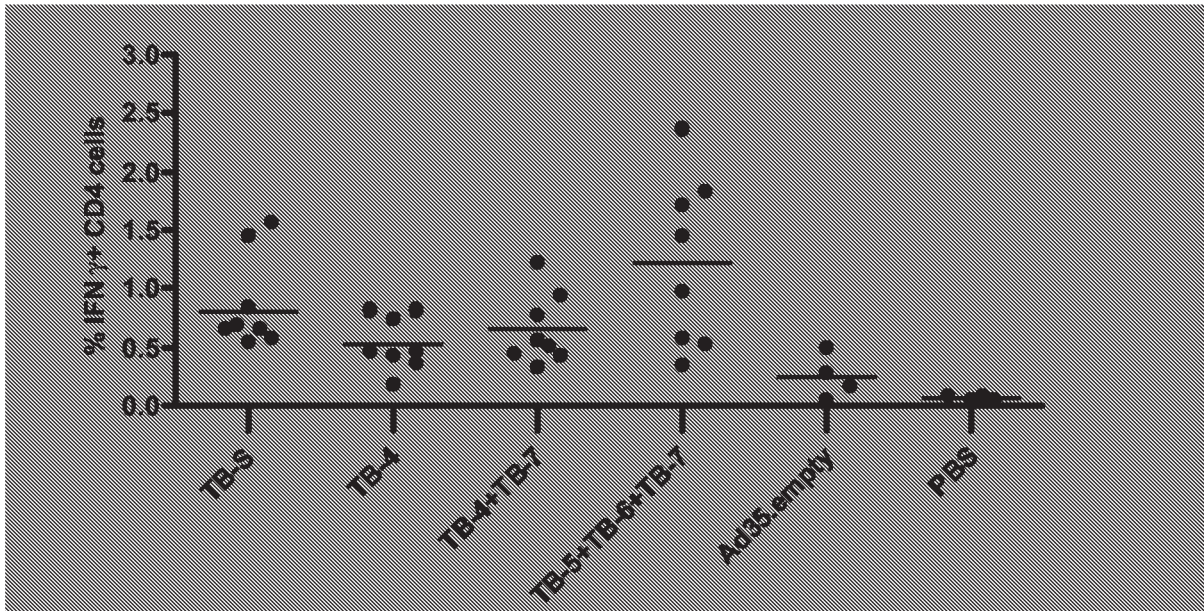


Fig 18. Ad35-TB vectors used as a boost upon BCG priming

A. Ag85A stimulation, CD4



B. Ag85A stimulation, CD8

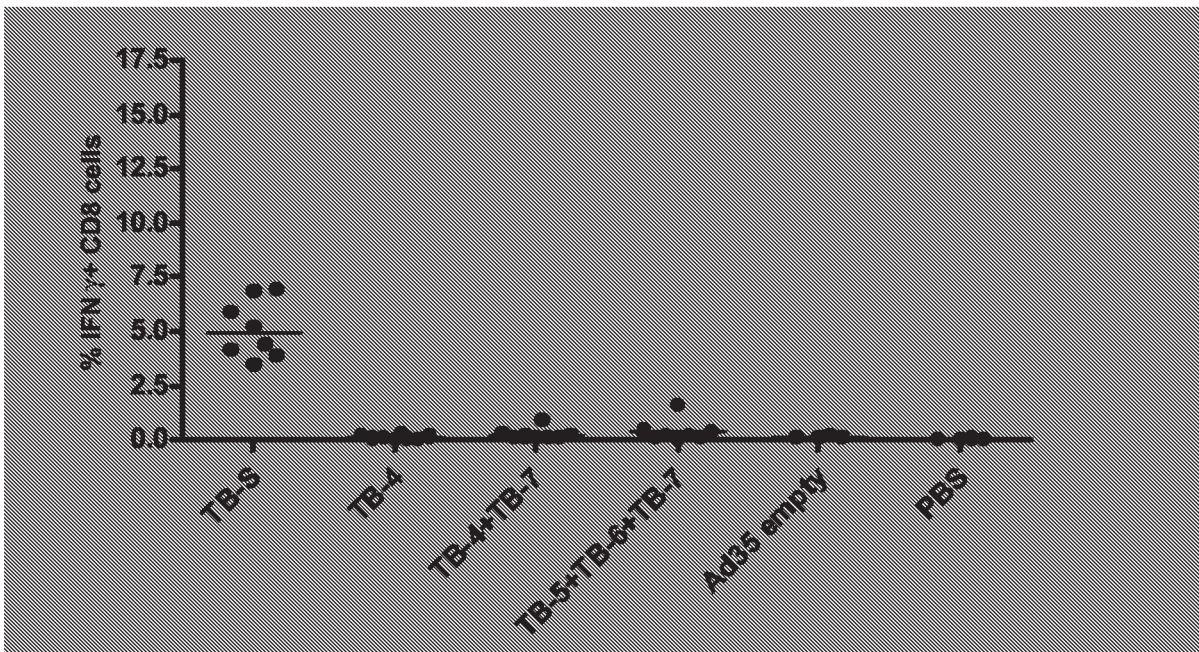


Fig 18C. Ag85B stimulation, CD4

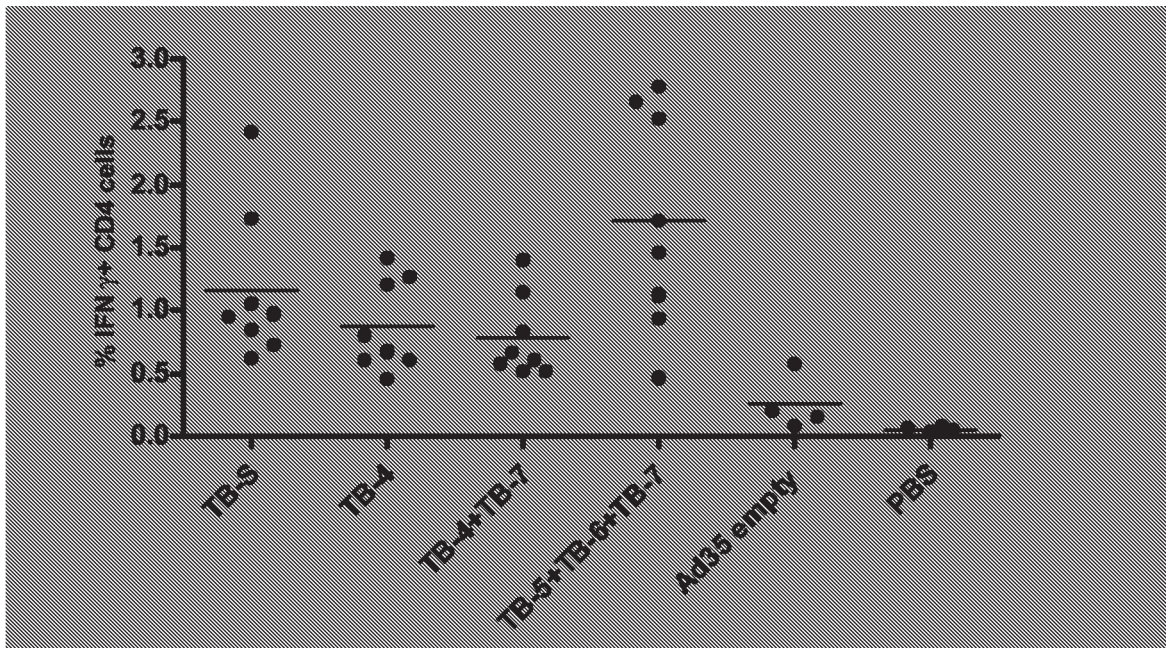


Fig 18D. Ag85B stimulation, CD8

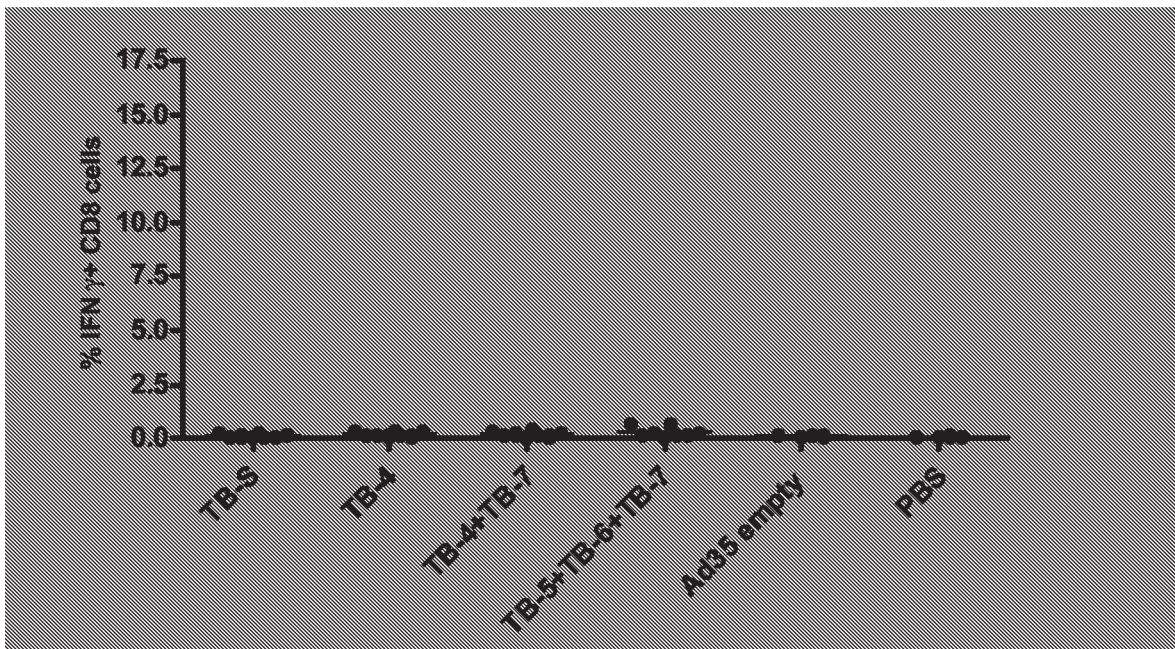


Fig 18E. TB10.4 stimulation, CD4

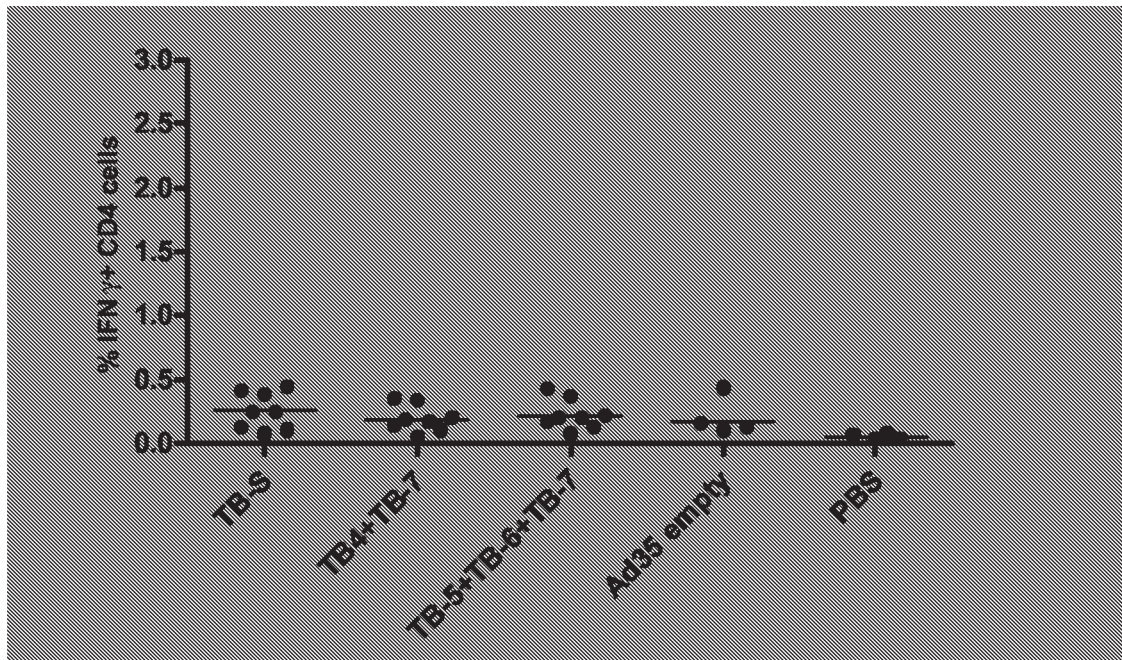


Fig 18F. TB10.4 stimulation, CD8

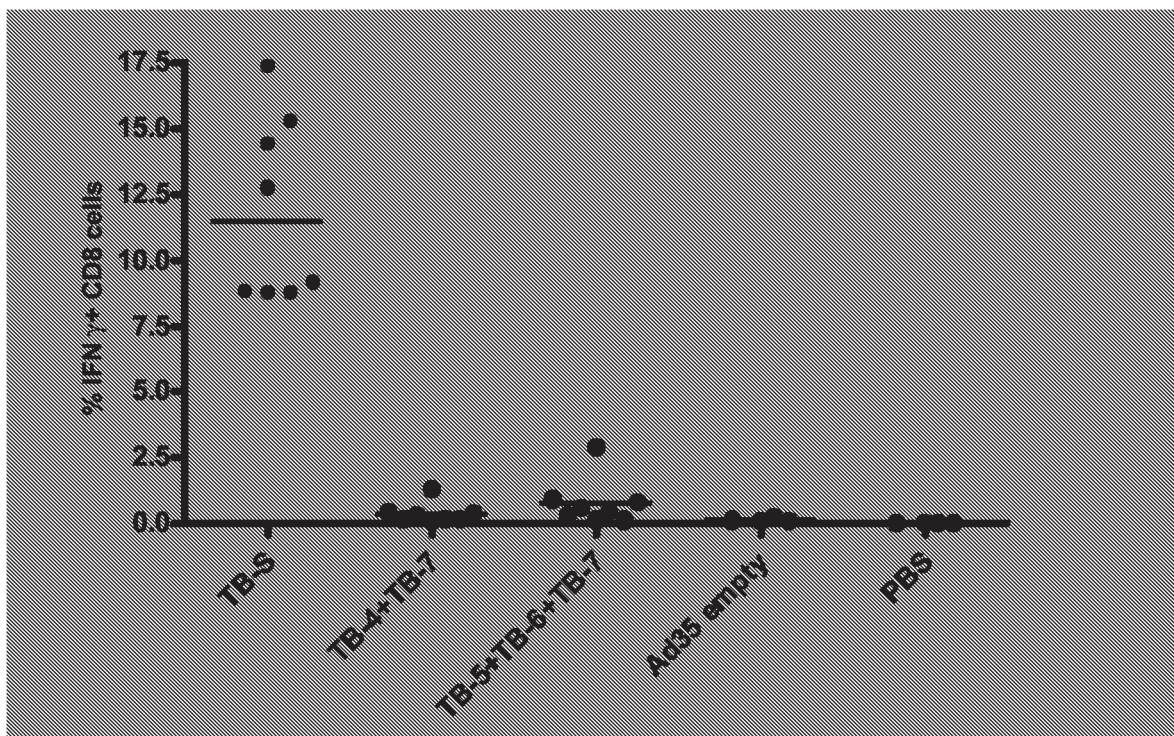


Fig. 19: TB-LM DNA sequence (SEQ ID NO:3)

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Fig. 20: TB-SM DNA sequence (SEQ ID NO:4)

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Fig. 21: TB-FLM DNA sequence (SEQ ID NO:5)

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Fig. 22: TB-LM protein sequence (SEQ ID NO:6)

MLAMTMEHRD	RPLVRVILT	TGSHPVKQRS	VYITALLDSG	ADITIISEED	WPTDWPVVD	60
ANPQIHGIGG	GIPMRKSRDM	IELGVINRDG	SLERPLLLFP	AVAMVRGSIL	GRDCLQGLGL	120
RLTNLGSSGP	WPAPEPPAVS	LAMTMEHRDR	PLVFSRPGLP	VEYLQVPSPS	MGRDIKVQFQ	180
SGGANSPALY	LLDGLRAQDD	FSGWDINTPA	FEWYDQSGLS	VVMPVGGQSS	FYSDWYQPAC	240
GKAGCQTYKW	ETFLTSELPG	WLQANRHVKP	TGSADVGLSM	AASSALTLAI	YHPQQFVYAG	300
AMSGLLDPSQ	AMGPTLIGLA	MGDAGGYKAS	DMWGPKEDEA	WQRNDPLLN	GKLIANNTRV	360
WVYCGNGKPS	DLGGNNLPAK	FLEGFVRTSN	IKFQDAYNAG	GGHNGVFDFP	DSGTHSWEYW	420
GAQLNAMKPD	LQRALGATPN	TGPAPQGAPP	SKSKKGAAA	MSSAIQPLVM	AVVNRRERDQ	480
TGFSRPGPLV	EYLQVPSPSM	GRDIKVQFQS	GGNNSPAVYL	LDGLRAQDDY	NGWDINTPAF	540
EWYYQSGLSI	VMPVGGQSSF	YSDWYSPACG	KAGCQTYKWE	TFLTSELPQW	LSANRAVKPT	600
GSAAILGLSMA	GSSAMILAAY	HPQQFIYAGS	LSALLDPSQG	MGPSLIGLAM	GDAGGYKAAD	660
MWGPSSDPAW	ERNPTQQIP	KLVANNTLRW	VYCGNGTPNE	LGGANIPAEF	LENFVRSSNL	720
KFQDAYNAAG	GHNAVFNFPP	NGTHSWEYWG	AQLNAMKGD	QSSLAGGPPS	KSKKGGAAM	780
SSAIQPLVMA	VVNRRERDQT	GMSQIMYNYP	AMLGHAGDMA	GYAGTLQSLG	AEIAVEQAAL	840
QSAWQGDGTI	TYQAWQAQWN	QAMEDLVRAY	HAMSSTHEAN	TMAMMARDTA	EAAKWGGSKK	900
TEQKLISEED	L					911

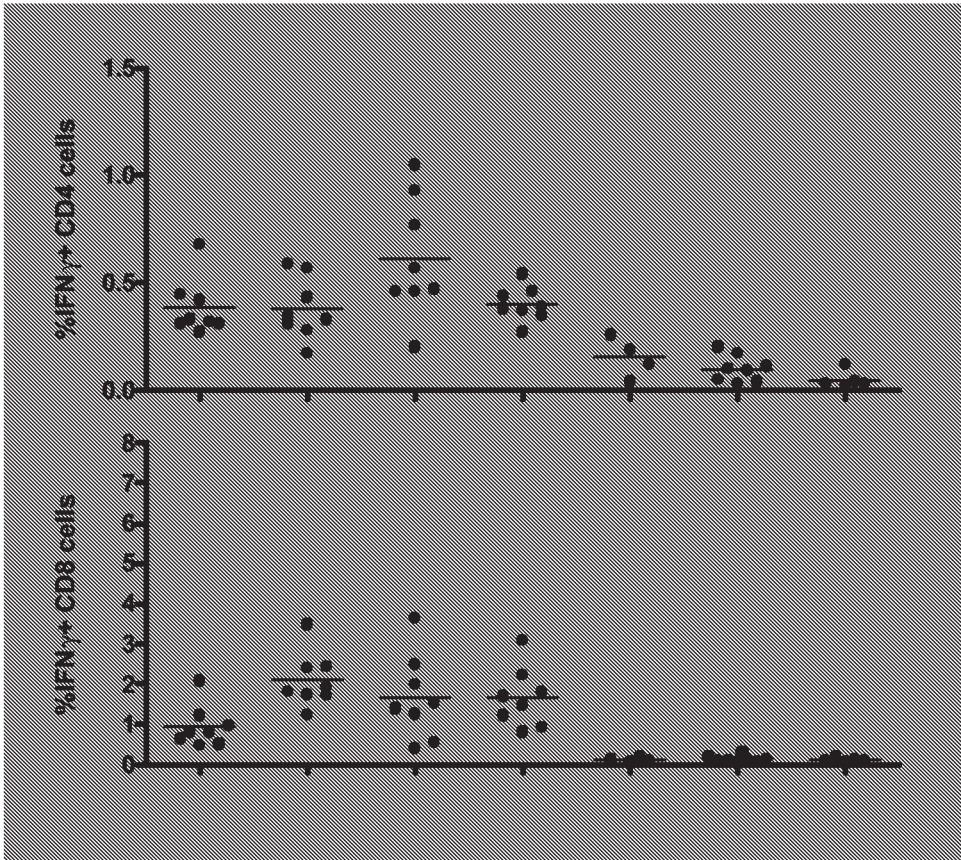
Fig. 23: TB-SM protein sequence (SEQ ID NO:7)

MFSRPGPLVE	YLQVPSPSMG	VDIKVQFQSG	GANSAPALYLL	DGLRAQDDFS	GWDINTPAFE	60
WYDQSGLSVV	MPVGGQSSFY	SDWYQPACGK	AGCQTYKWET	FLTSELPGLW	QANRHVKPTG	120
SAVVGLSMAA	SSALTLAIYH	PQQFVYAGAM	SGLLDPSQAM	GPTLIGLAMG	DAGGYKASDM	180
WGPKEDEPAW	RNDPLLNVGK	LIANNTRVWV	YCGNGKPSDL	GGNNLPAKFL	EGFVRTSNIK	240
FQDAYNAGGG	HNGVFDFPDS	GTHSWEYWGA	QLNAMKPDQ	RALGATPNTG	PAPQGAFSRP	300
GLPVEYLQVP	SPSMGRDIKV	QFQSGGNNSP	AVYLLDGLRA	QDDYNGWDIN	TPAFEWYYQS	360
GLSIVMPVGG	QSFYSDWYS	PACGKAGCQT	YKWTFLTSE	LPQWLSANRA	VKPTGSAAG	420
LSMAGSSAMI	LAAYHPQQFI	YAGSLSALLD	PSQMGPSLI	GLAMGDAGGY	KAADMWGPSS	480
DPAWERNDPT	QQIPKLVANN	TRLWVYCGNG	TPNELGGANI	PAEFLENFVR	SSNLKFQDAY	540
NAAGGHNAVF	NFPNGTHSW	EYWGAQLNAM	KGDLQSSLGA	GMSQIMYNYP	AMLGHAGDMA	600
GYAGTLQSLG	AEIAVEQAAL	QSAWQGDGTI	TYQAWQAQWN	QAMEDLVRAY	HAMSSTHEAN	660
TMAMMARDTA	EAAKWGGSKK	TEQKLISEED	L			691

Fig. 24: TB-FLM protein sequence (SEQ ID NO:8)

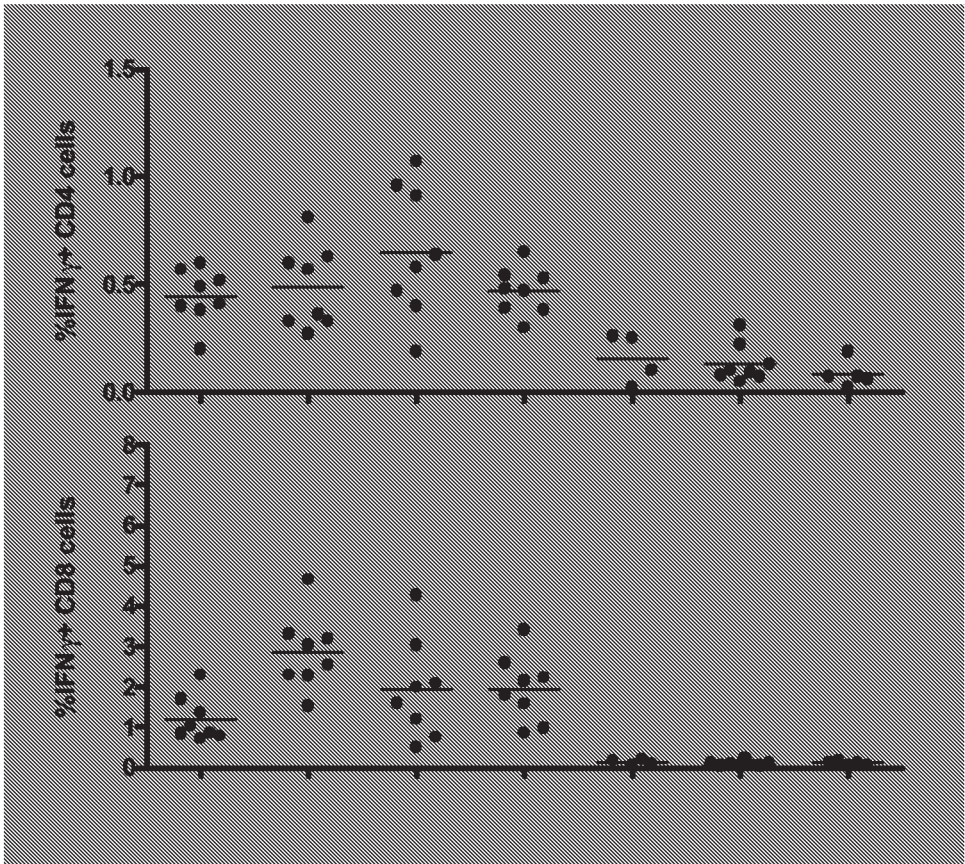
MFSRPGPLVE	YLQVPSPSMG	VDIKVQFQSG	GANSAPALYLL	DGLRAQDDFS	GWDINTPAFE	60
WYDQSGLSVV	MPVGGQSSFY	SDWYQPACGK	AGCQTYKWET	FLTSELPGLW	QANRHVKPTG	120
SAVVGLSMAA	SSALTLAIYH	PQQFVYAGAM	SGLLDPSQAM	GPTLIGLAMG	DAGGYKASDM	180
WGPKEDEPAW	RNDPLLNVGK	LIANNTRVWV	YCGNGKPSDL	GGNNLPAKFL	EGFVRTSNIK	240
FQDAYNAGGG	HNGVFDFPDS	GTHSWEYWGA	QLNAMKPDQ	RALGATPNTG	PAPQAGGTGG	300
SGGTGSGTGG	SVFSRPGPLV	EYLQVPSPSM	GRDIKVQFQS	GGNNSPAVYL	LDGLRAQDDY	360
NGWDINTPAF	EWYYQSGLSI	VMPVGGQSSF	YSDWYSPACG	KAGCQTYKWE	TFLTSELPQW	420
LSANRAVKPT	GSAAILGLSMA	GSSAMILAAY	HPQQFIYAGS	LSALLDPSQG	MGPSLIGLAM	480
GDAGGYKAAD	MWGPSSDPAW	ERNPTQQIP	KLVANNTLRW	VYCGNGTPNE	LGGANIPAEF	540
LENFVRSSNL	KFQDAYNAAG	GHNAVFNFPP	NGTHSWEYWG	AQLNAMKGD	QSSLAGGTTG	600
SGGTGSGTGG	GSVMSQIMYN	YPAMLGHAGD	MAGYAGTLQS	LGAEIAVEQA	ALQSAWQGDT	660
GITYQAWQAQ	WNQAMEDLVR	AYHAMSSTHE	ANTMAMMARD	TAEAAKWGGS	KKTEQKLISE	720
EDL						723

Fig. 25



Prime	BCG	BCG	BCG	BCG	BCG	BCG	PBS
Dose	10 ⁹	10 ¹⁰	10 ⁹	10 ¹⁰	10 ¹⁰		PBS
Boost							

Fig. 26



Prime	BCG	BCG	BCG	BCG	BCG	BCG	PBS
Dose	<u>10^9</u>	<u>10^{10}</u>	<u>10^9</u>	<u>10^{10}</u>	<u>10^{10}</u>		PBS
Boost	TB-S		TB-L		Ad35.E		

Fig. 27

