

Fig. 1

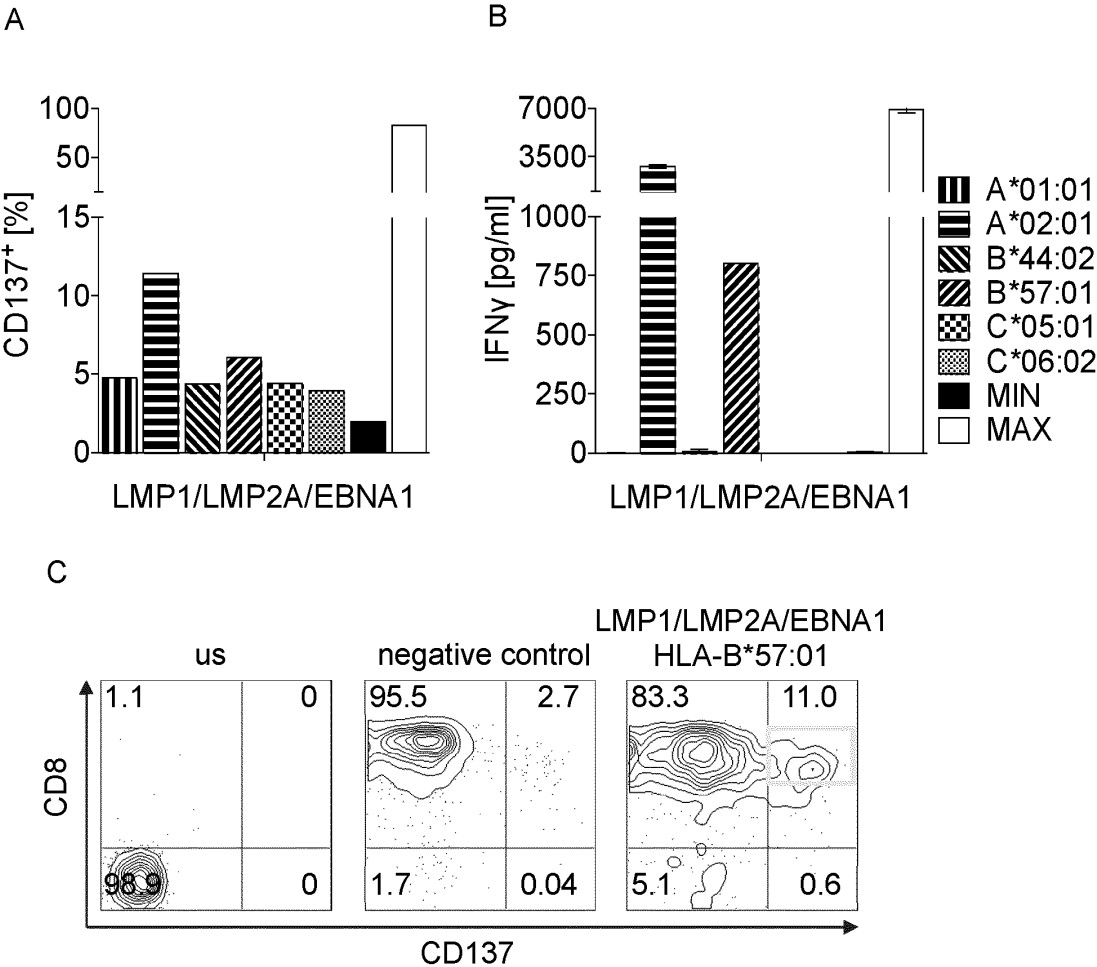


Fig. 2A

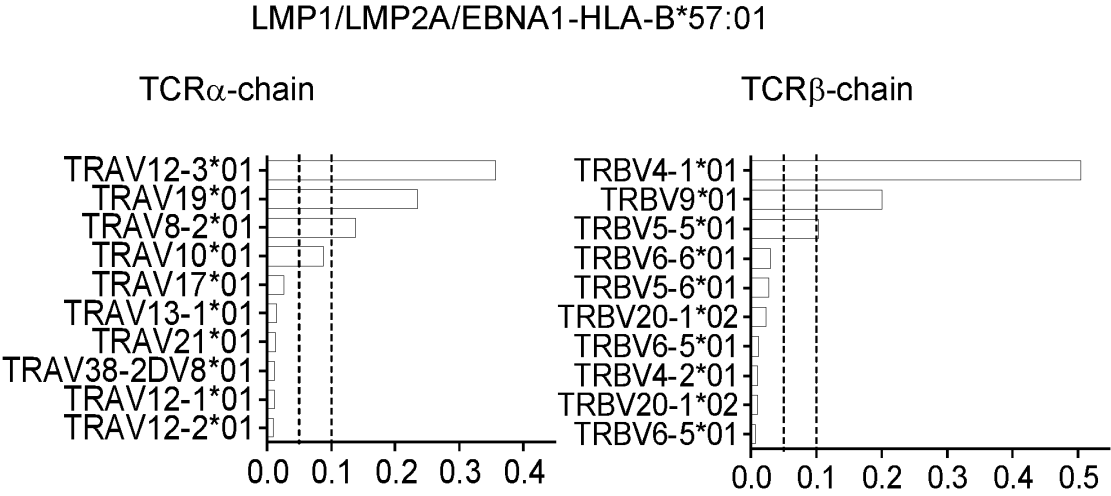


Fig. 2B

TCR	EBV antigen-MHC combination	V segment	V segment frequency (%)	CDR-3
TCR50	LMP1/LMP2A/EBNA1 HLA-B*57:01	TRAV12-3*01	35.8	AMSDLYAGNNRKLI
		TRAV19*01	23.3	ALTFLRDDKII
		TRAV8-2*01	13.7	VVMATGFQKLV
		TRBV4-1*01	50.3	ASSQDARVSGANVLT
		TRBV9*01	20.0	ASSVTSGSDEQF
		TRBV5-5*01	10.2	ASSFSLGHSYEYQ

Fig. 3

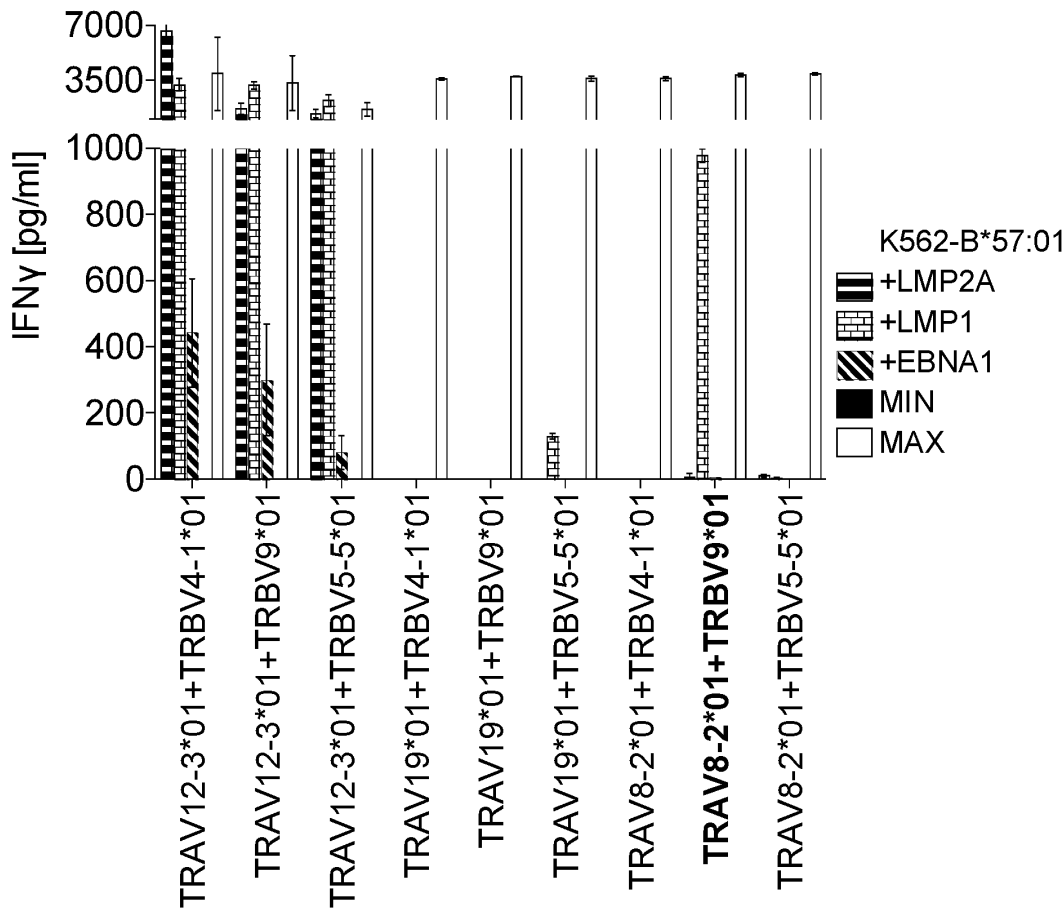


Fig. 4A

Truncated construct of LMP1	Length (nt)
LMP1 (full length)	1-1036
LMP1/2	1-624
LMP1/1	1-315

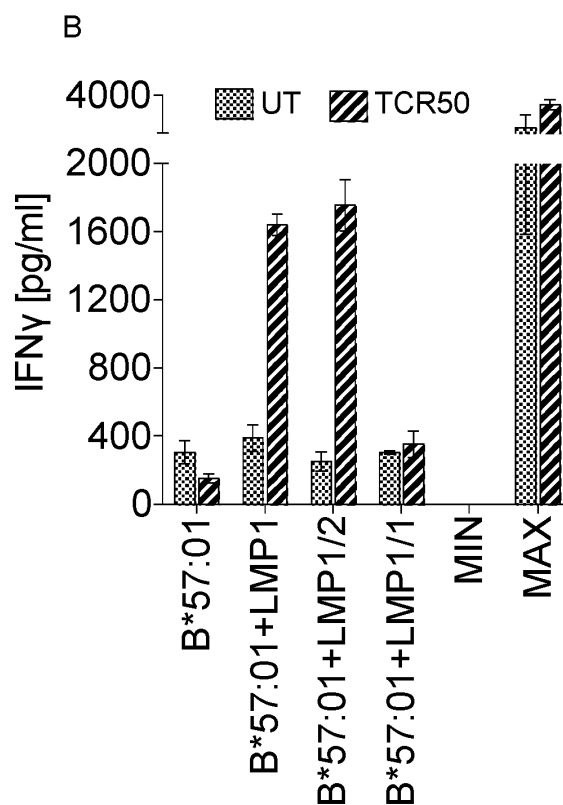


Fig. 5A

Epitope	Length (-mer)	Affinity (nM)	Bind level
WTLLVDLLW	9	12.25	SB
IALYLQQNWW	10	14.84	SB
IALYLQQNW	9	16.32	SB
WWTLLVDLLW	10	32.51	SB
IIALYLQQNW	10	57.84	SB
WTLLVDLLWL	10	111.95	SB
LAILIWMYY	9	231.02	SB
LLFLAILIW	9	234.00	SB
LLLFLAILIW	10	749.75	WB
LAILIWMYYH	10	789.96	WB
ALYLQQNWW	9	853.78	WB
FLAILIWMYY	10	1515.23	WB
NSNEGRHHL	9	12828.84	WB

Fig. 5B

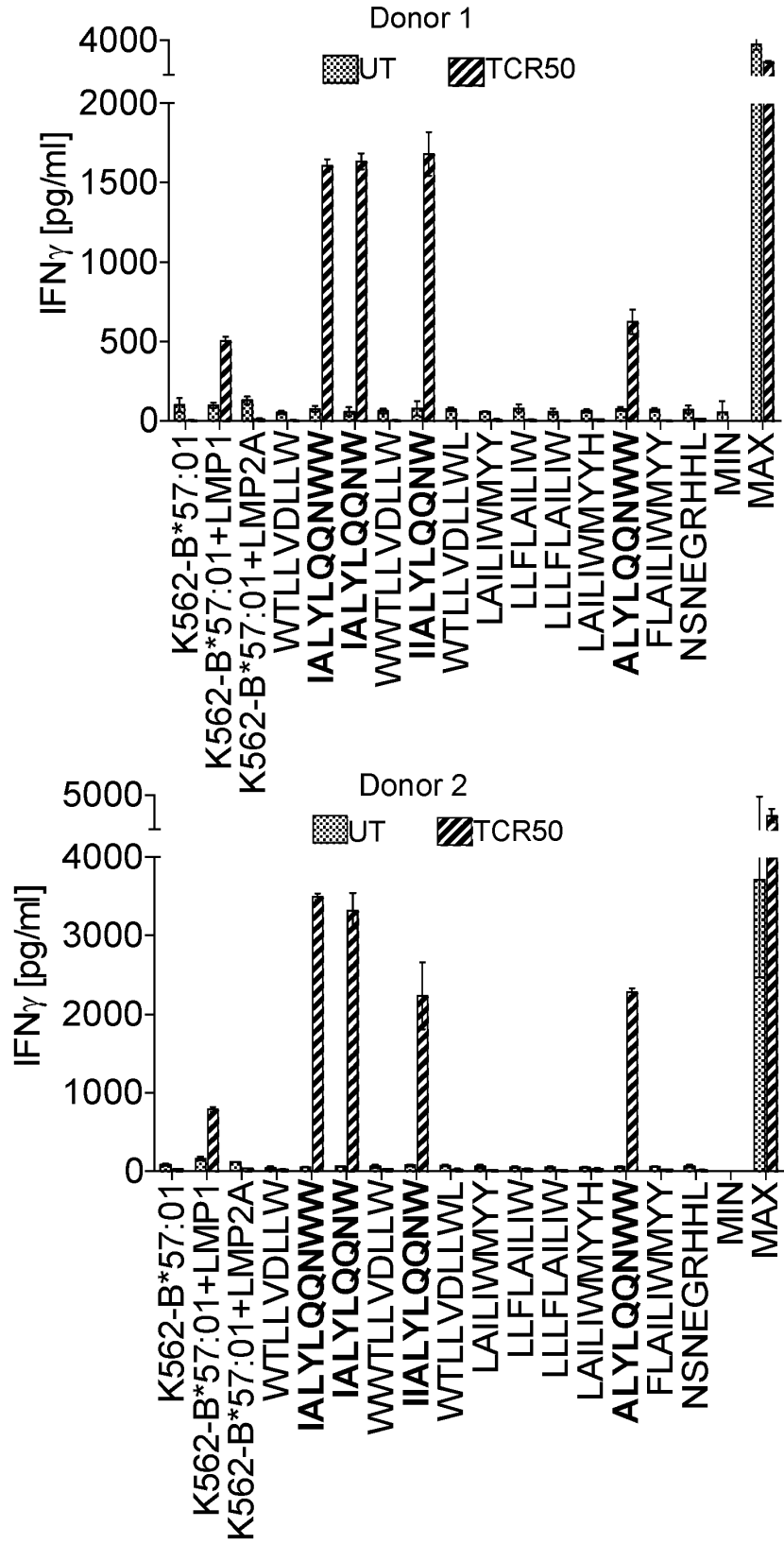


Fig. 6

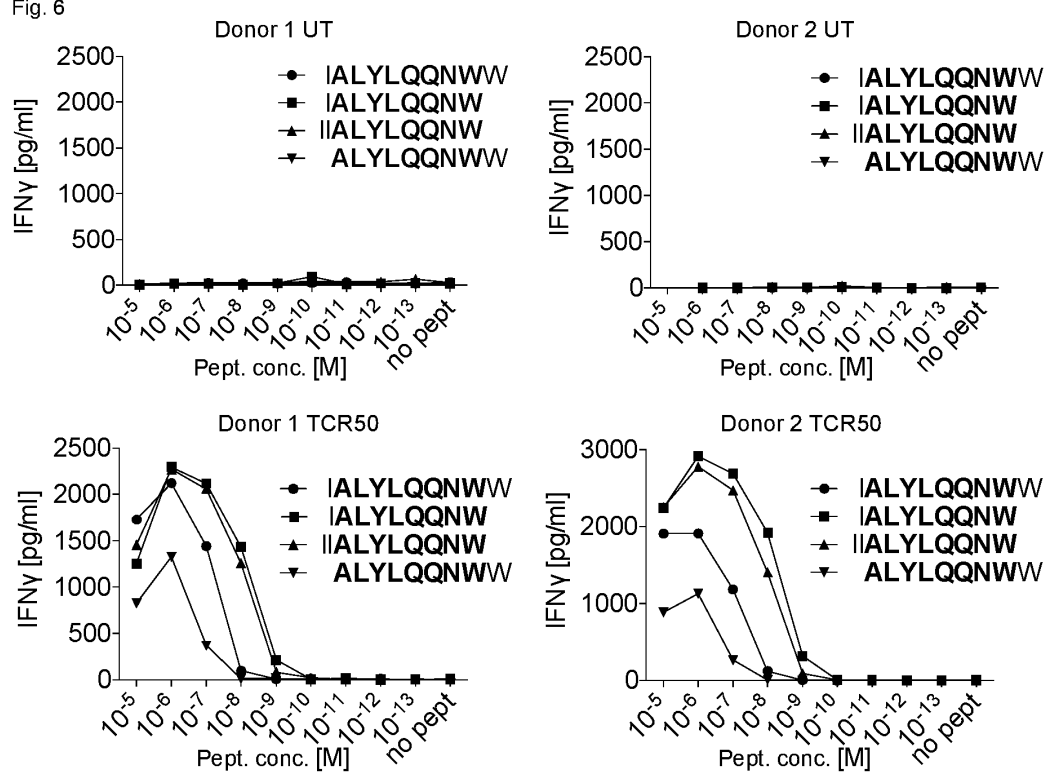


Fig. 7

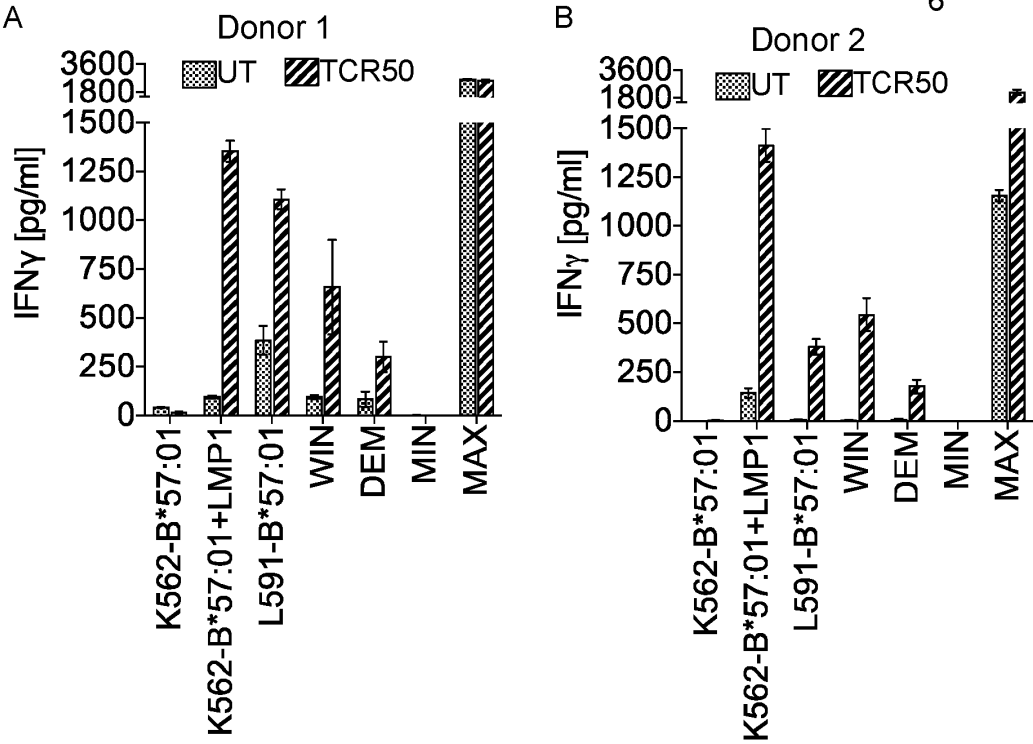


Fig. 8: TCR01 (EBNA3C)

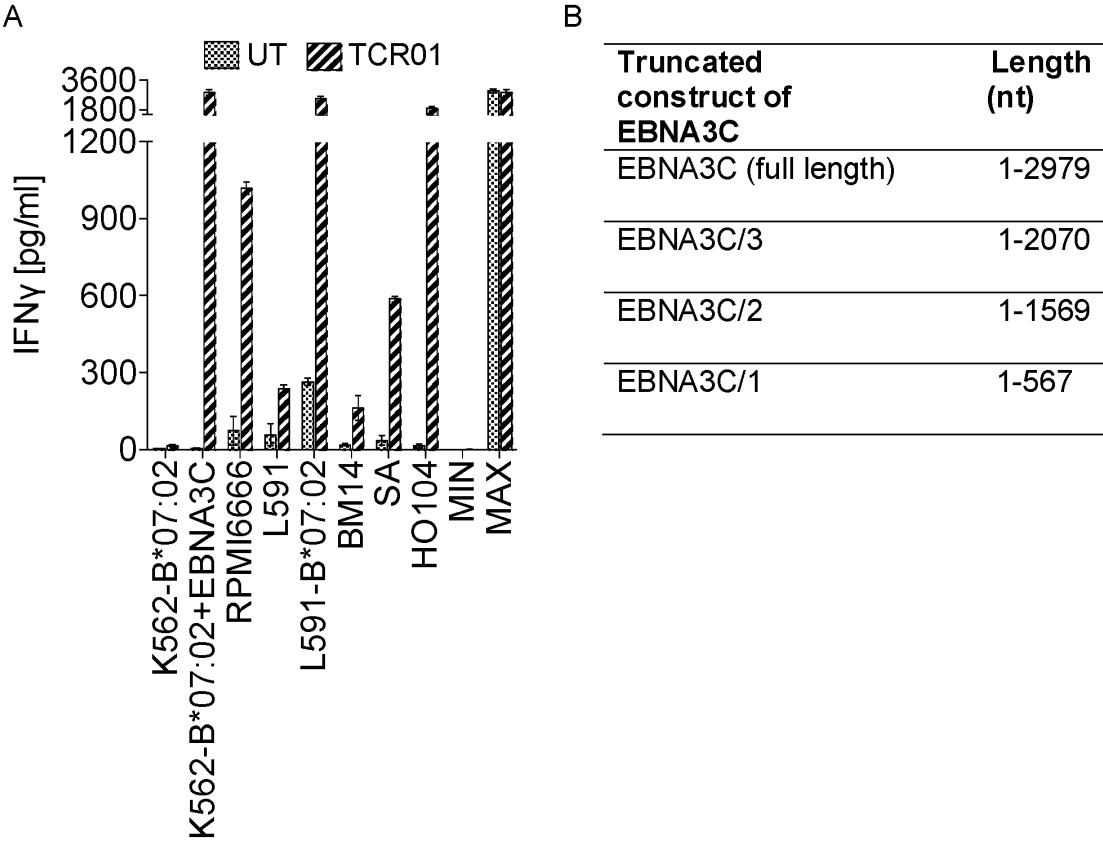


Fig. 8: TCR01 (EBNA3C)

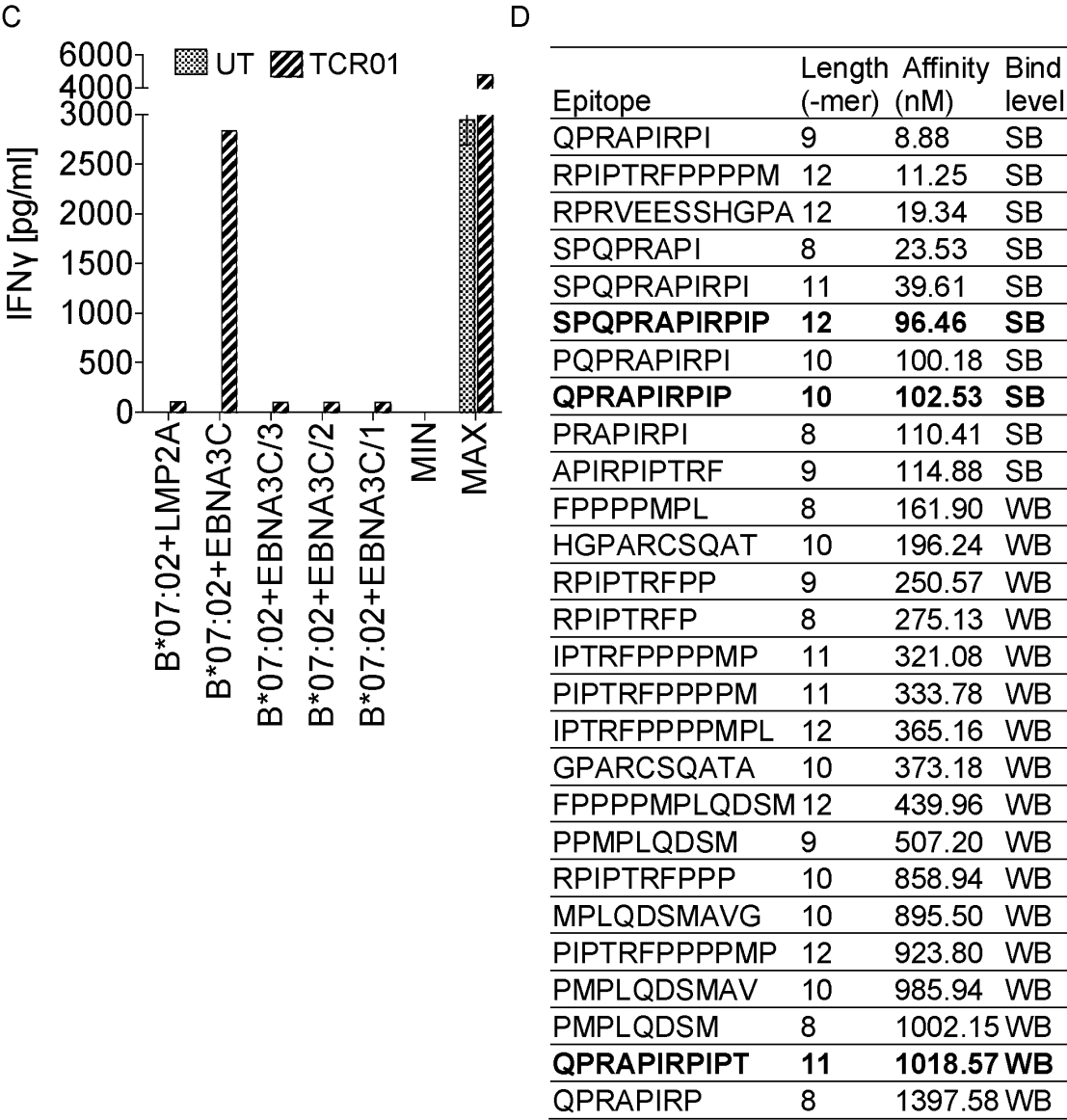
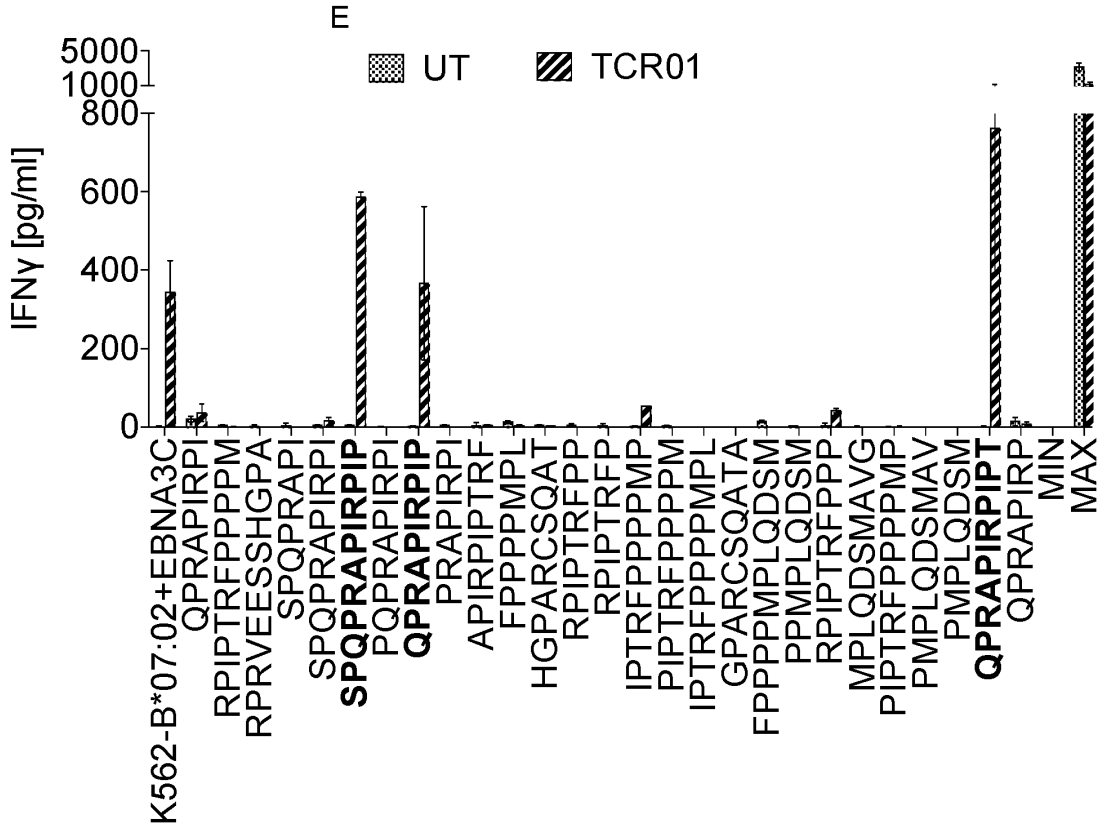


Fig. 8: TCR01 (EBNA3C)



F

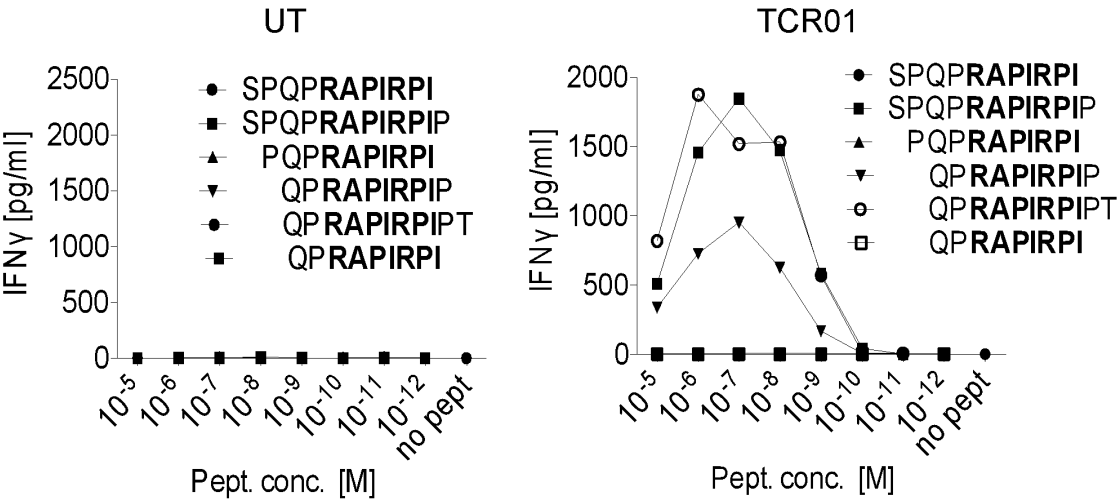
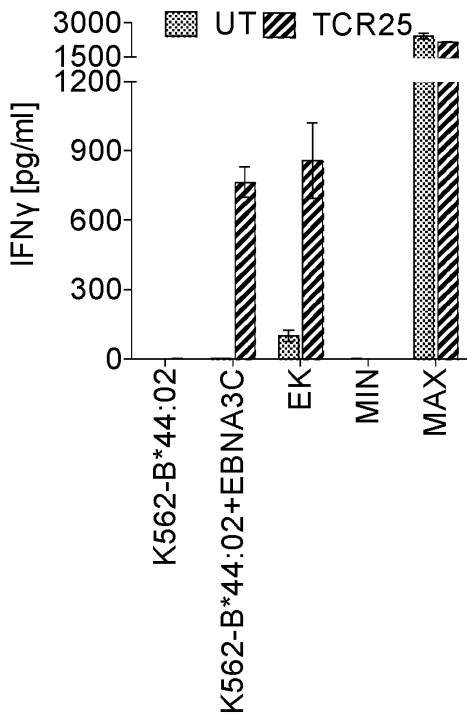


Fig. 9: TCR25 (EBNA3C)

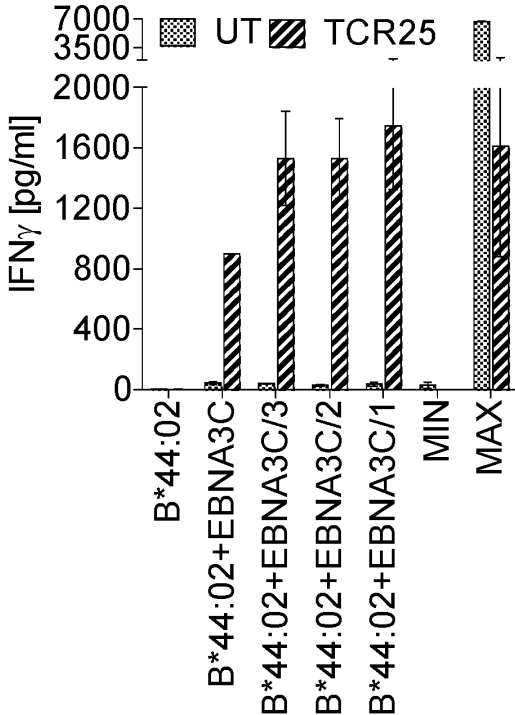
A



B

Truncated construct of EBNA3C	Length (nt)
EBNA3C (full length)	1-2979
EBNA3C/3	1-2070
EBNA3C/2	1-1569
EBNA3C/1	1-567

C



D

Epitope	Length (-mer)	Affinity (nM)	Bind level
AEGGVGWRHW	10	12.74	SB
SERLVPEESY	10	415.83	WB
WLLTSPSQSW	10	3285.78	WB
LLTSPSQSW	9	12269.12	

Fig. 9: TCR25 (EBNA3C)

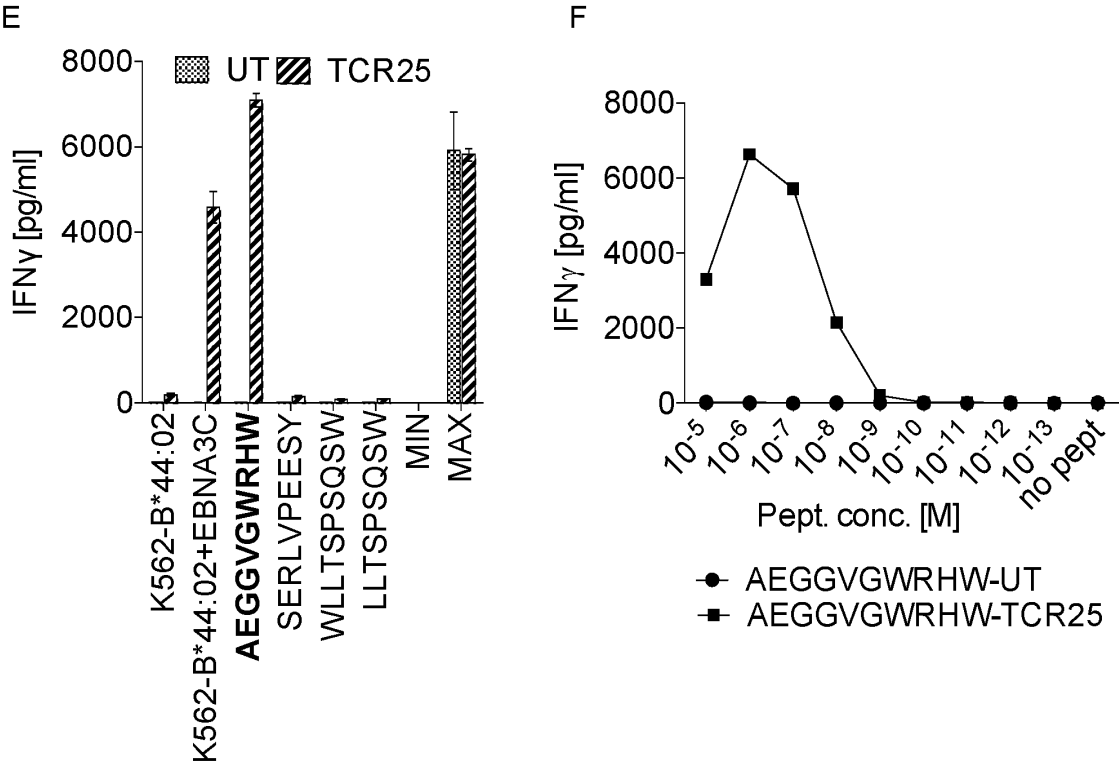


Fig. 10: TCR27 (EBNA3C)

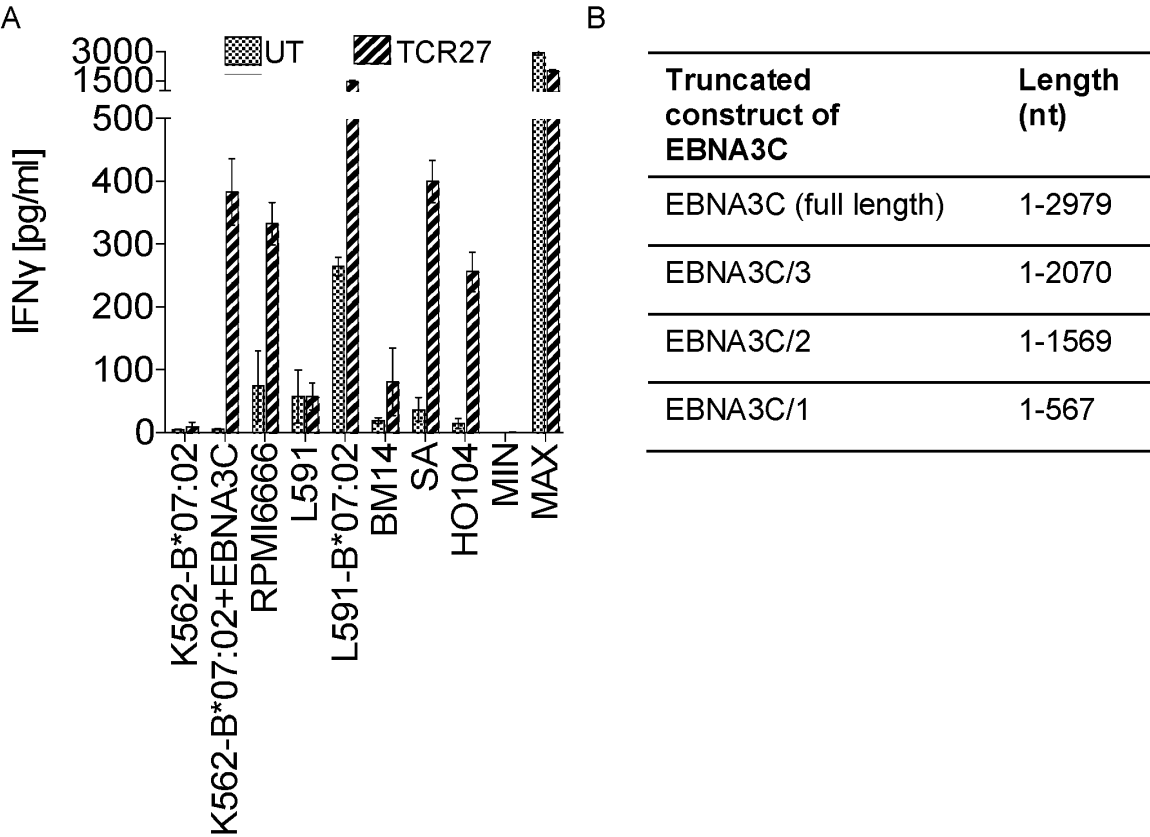


Fig. 10: TCR27 (EBNA3C)

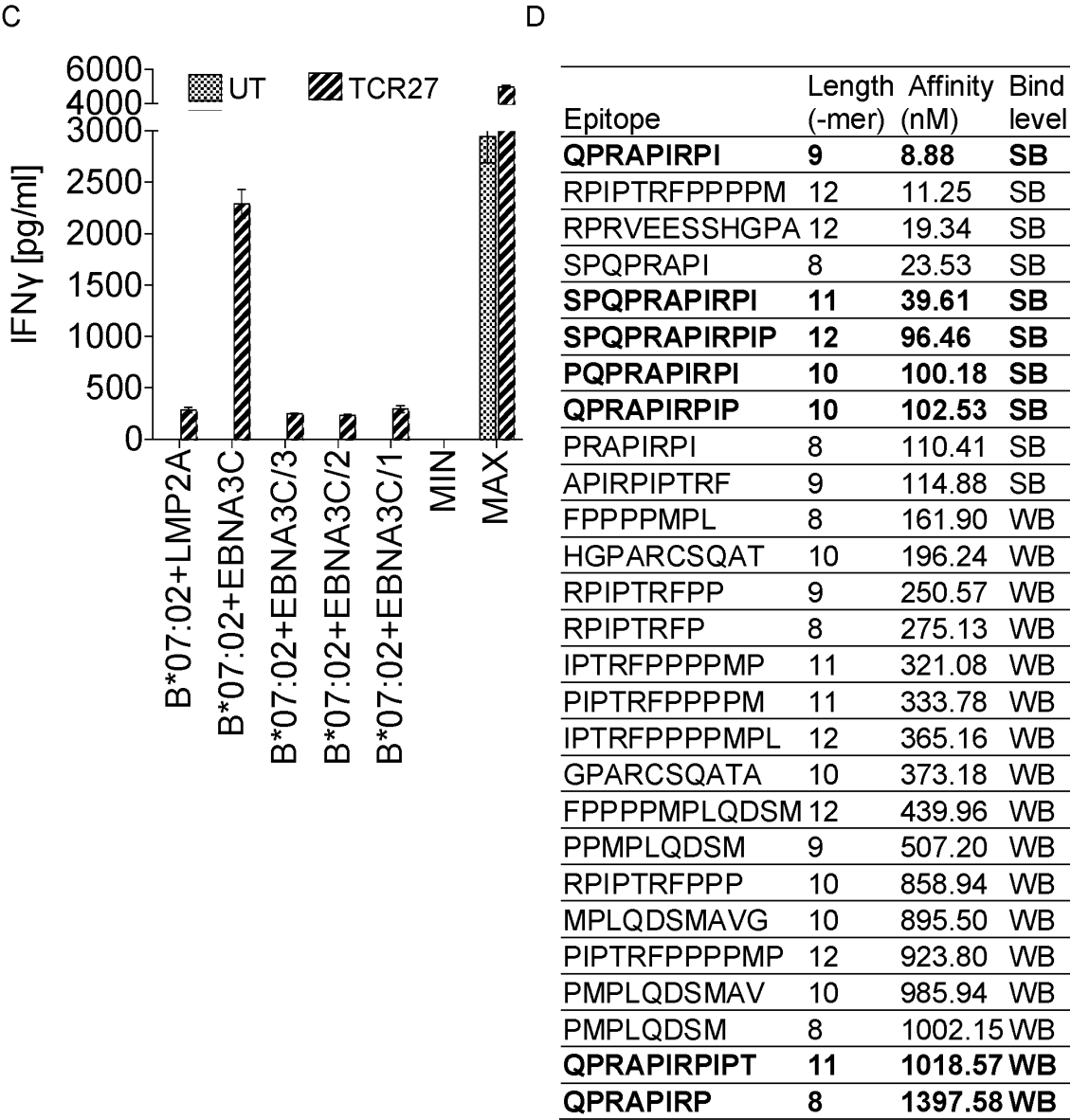
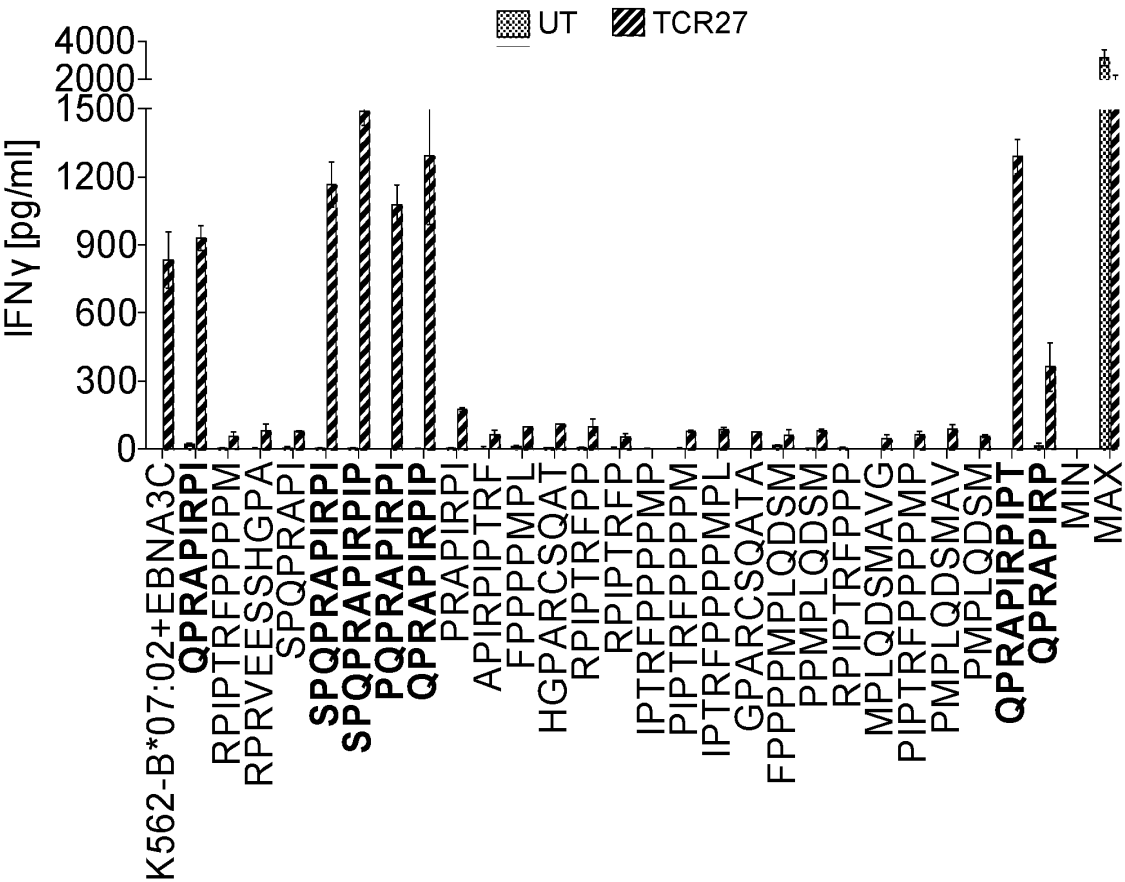


Fig. 10: TCR27 (EBNA3C)
E



F

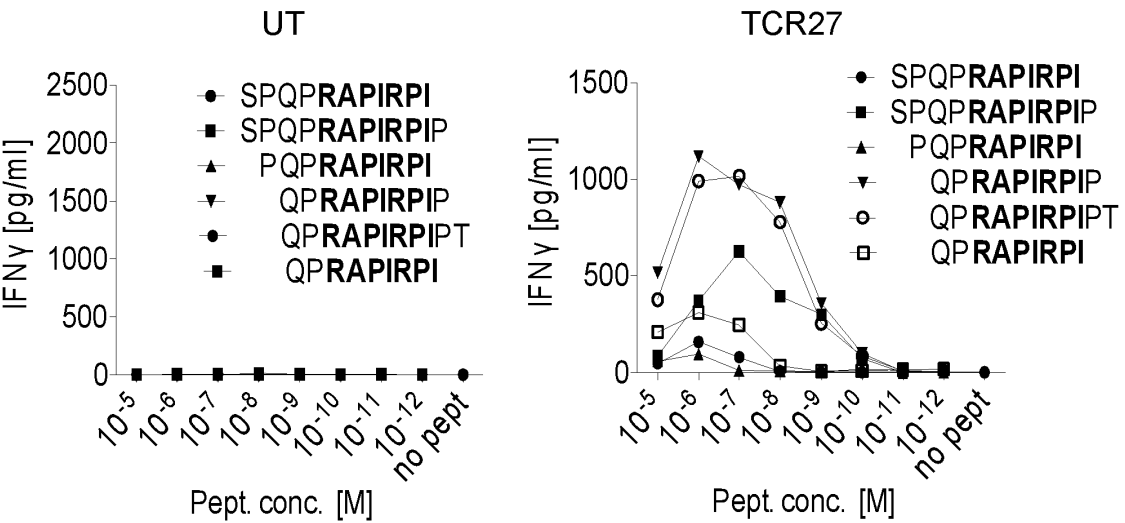


Fig. 11: TCR58 (EBNA3C)

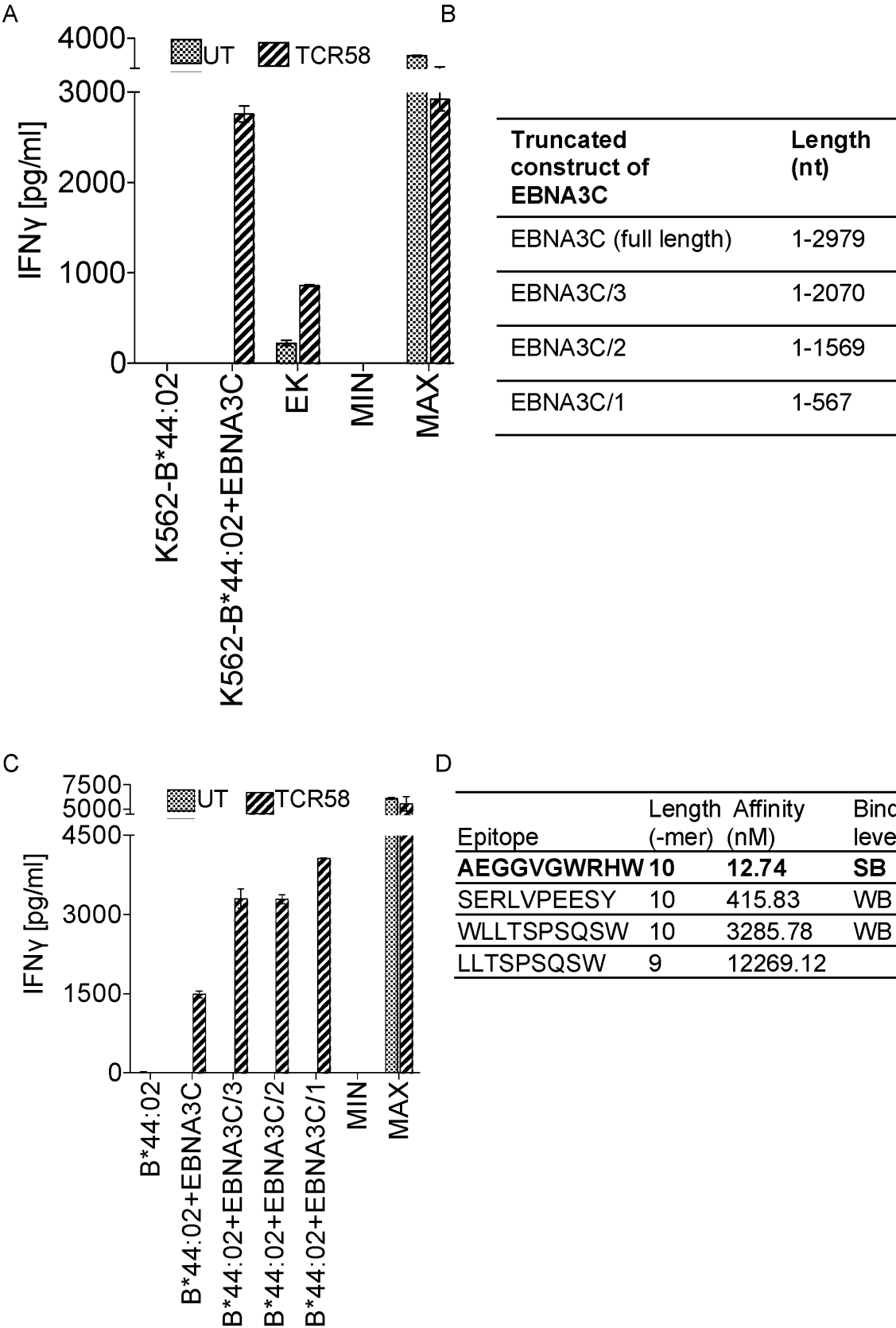


Fig. 11: TCR58 (EBNA3C)

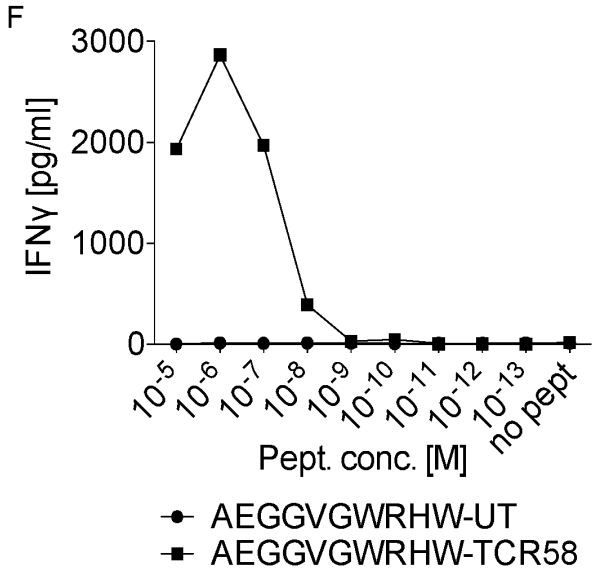
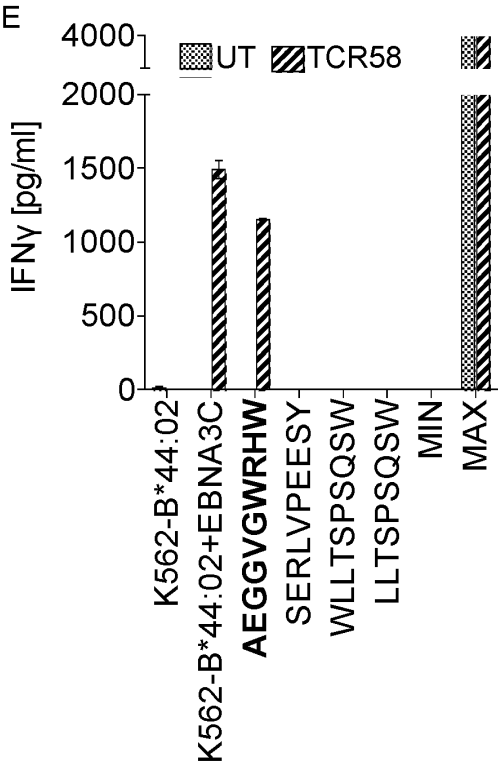
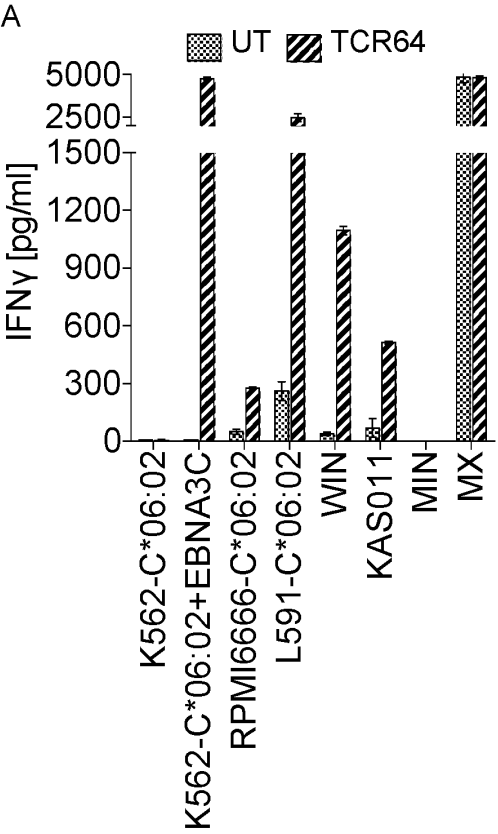


Fig. 12: TCR64 (EBNA3C)



B

Truncated construct of EBNA3C	Length (nt)
EBNA3C (full length)	1-2979
EBNA3C/3	1-2070
EBNA3C/2	1-1569
EBNA3C/1	1-567

Fig. 12: TCR64 (EBNA3C)

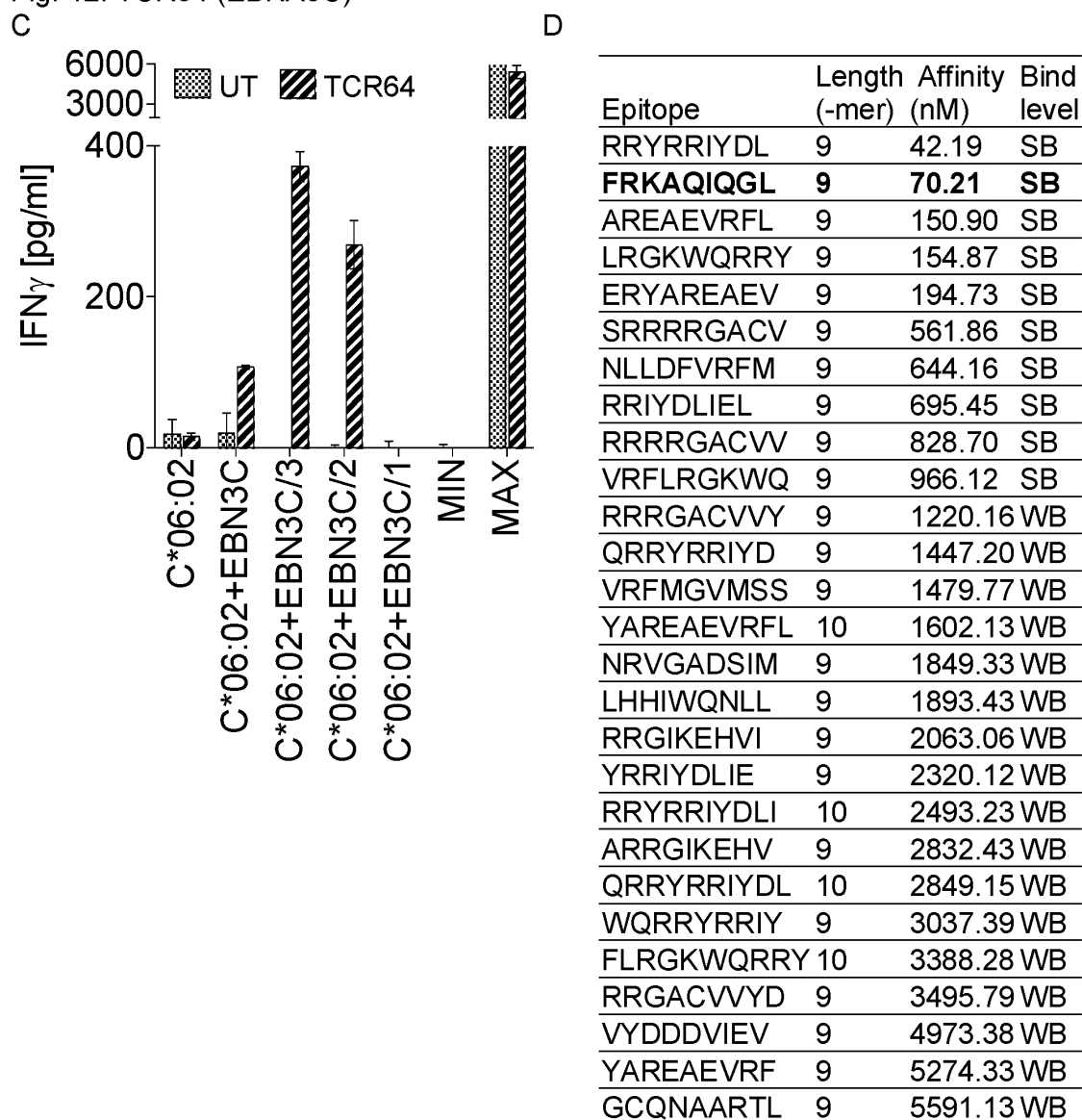
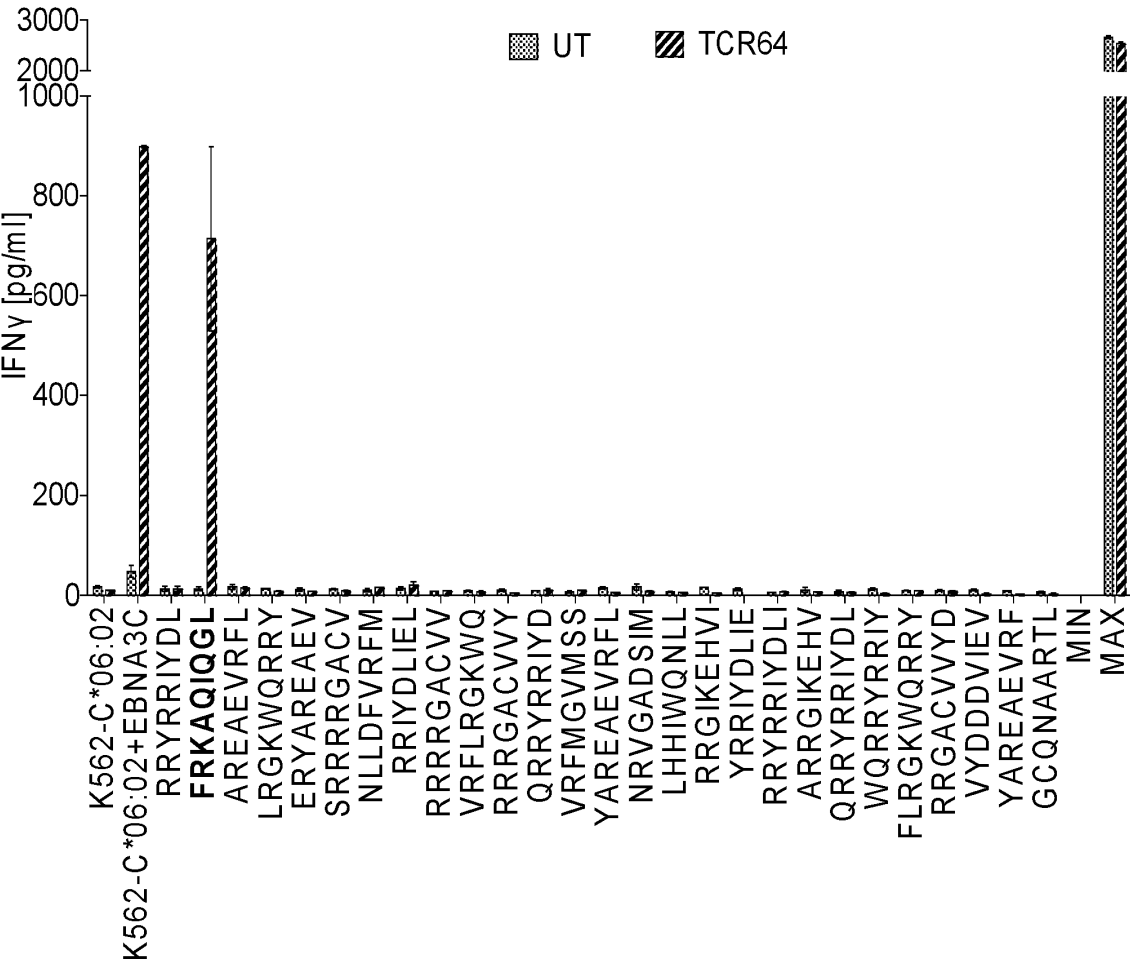


Fig. 12: TCR64 (EBNA3C)

E



F

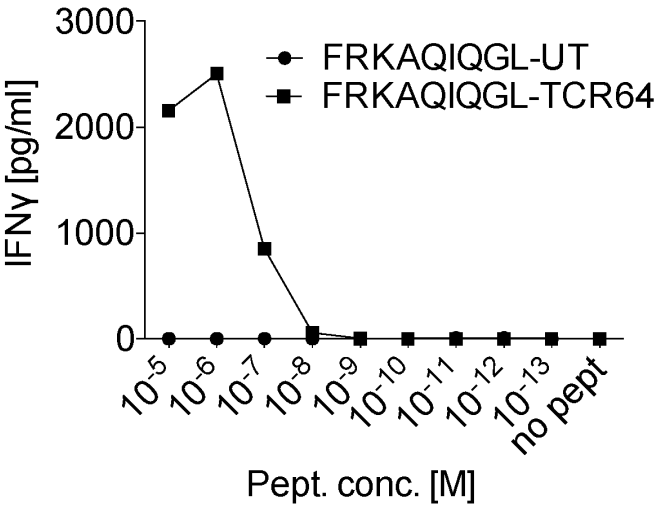
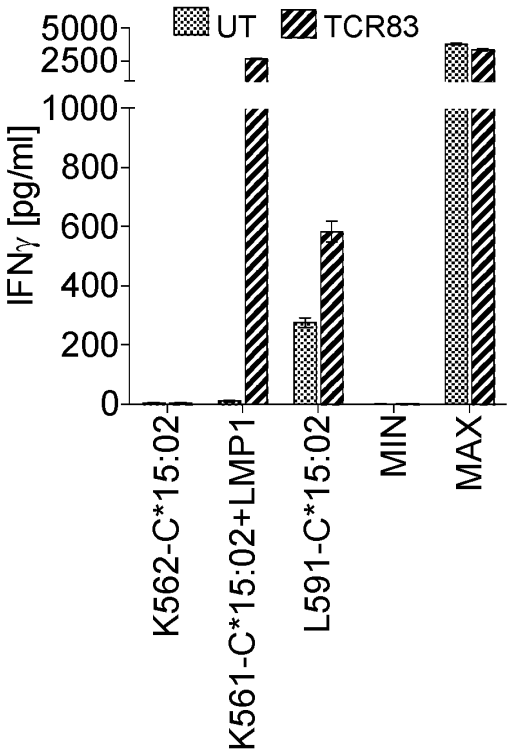


Fig. 13: TCR83 (LMP1)

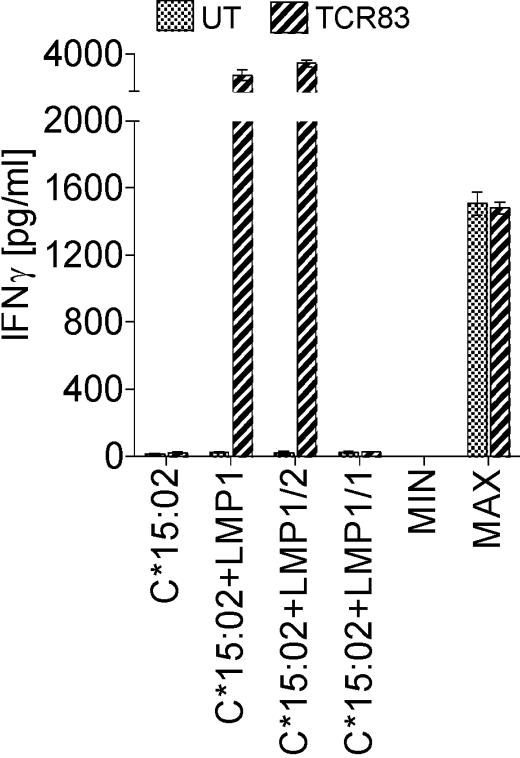
A



B

Truncated construct of LMP1	Length (nt)
LMP1 (full length)	1-1036
LMP1/2	1-624
LMP1/1	1-315

C



D

Epitope	Length (-mer)	Affinity (nM)	Bind level
NSNEGRHHL	9	881.86	WB
QQNWWTLLV	9	974.07	WB
DSLPHPQQA	9	3769.65	WB
YLQQNWWTL	9	25471.80	

Fig. 13: TCR83 (LMP1)

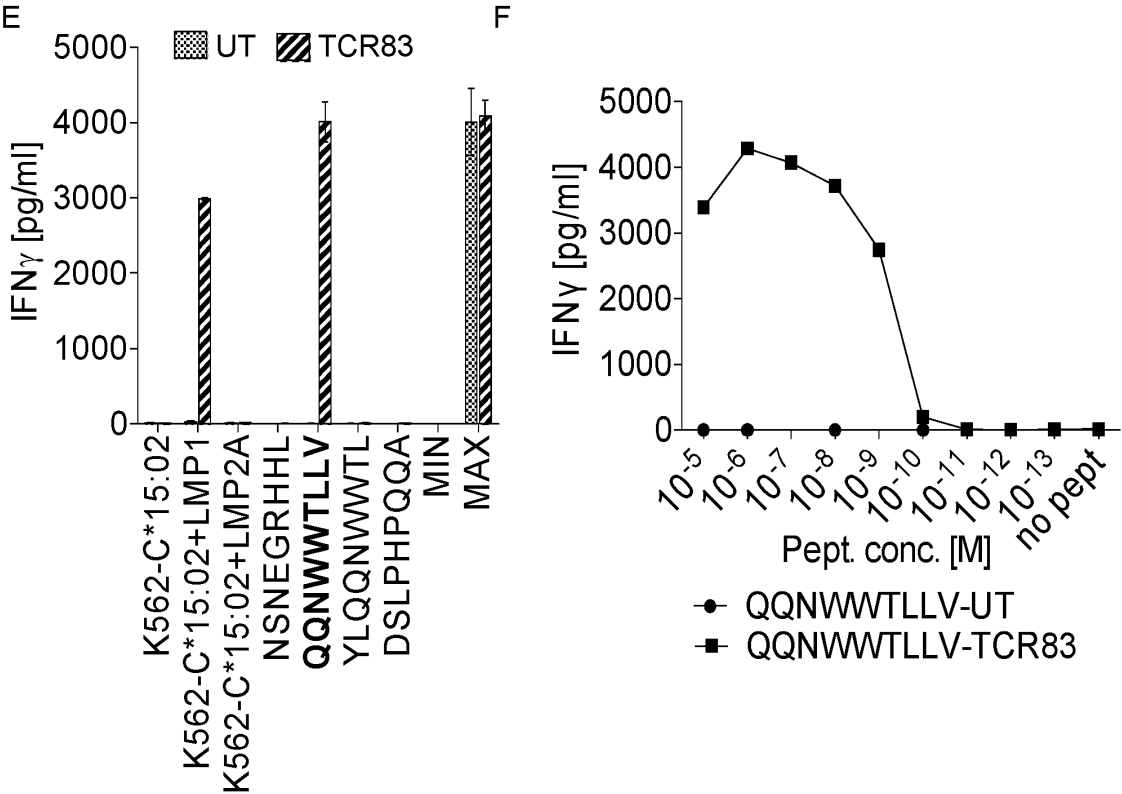


Fig. 14: TCR06 (LMP2A)

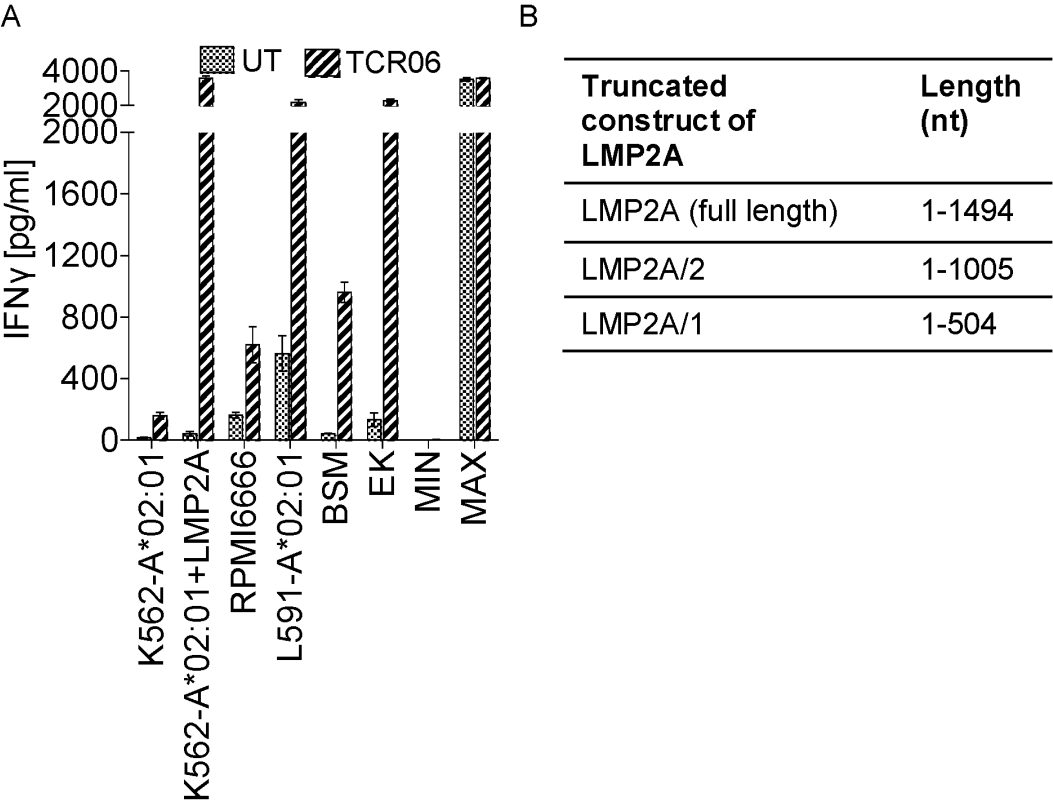


Fig. 14: TCR06 (LMP2A)

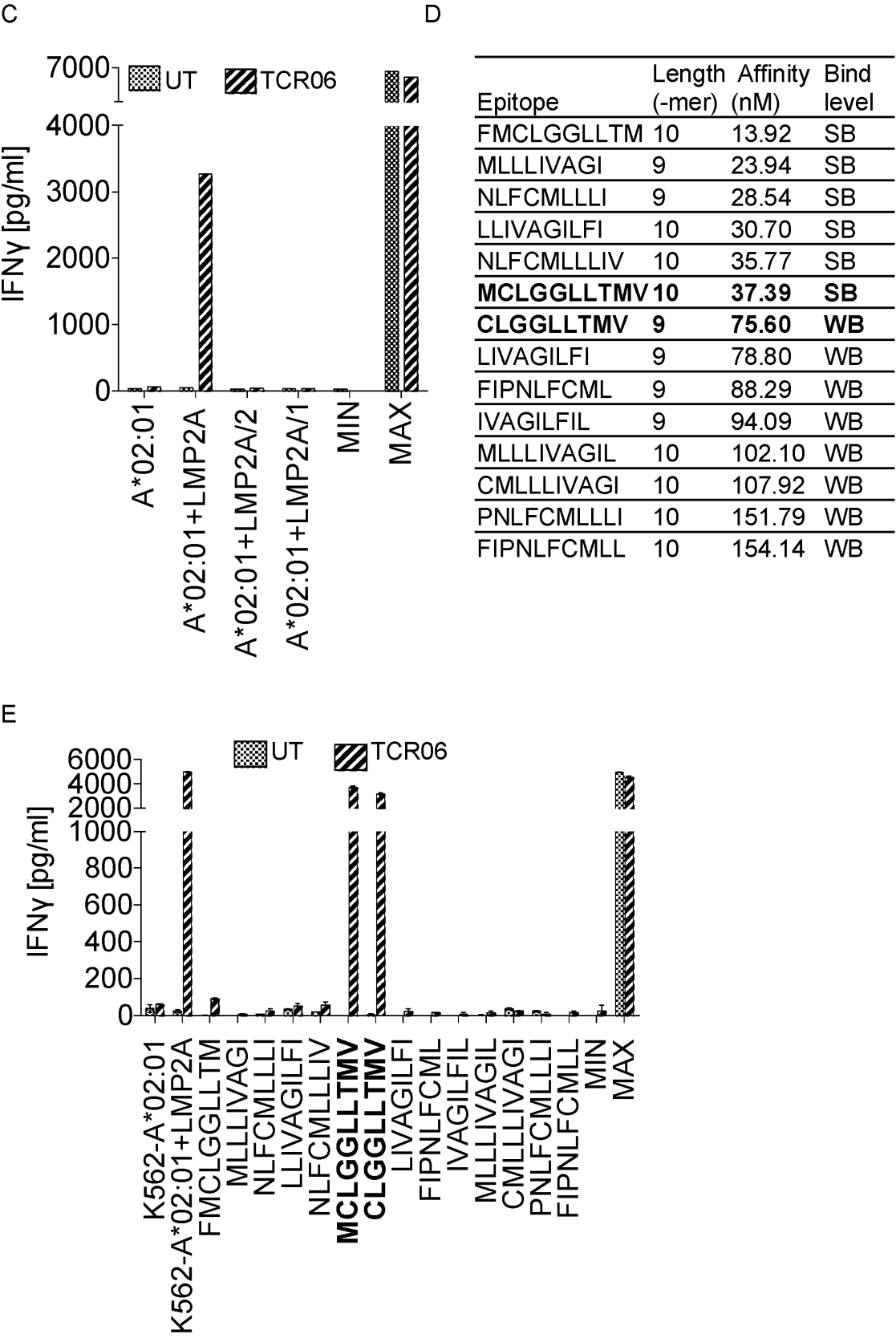


Fig. 14: TCR06 (LMP2A)

F

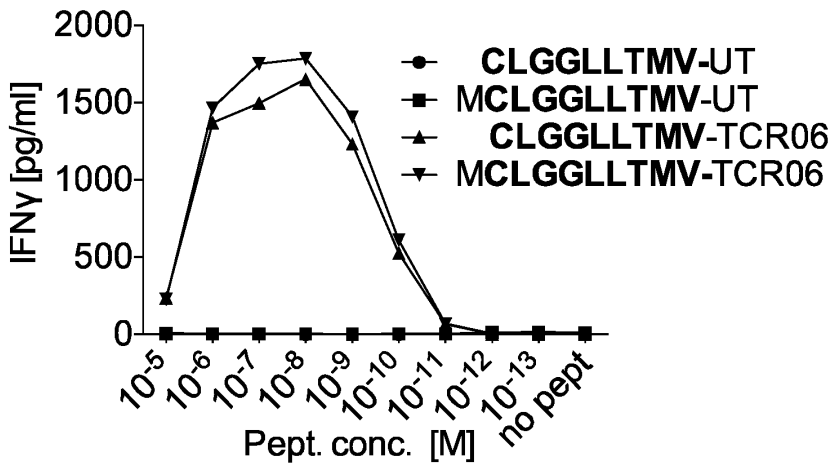
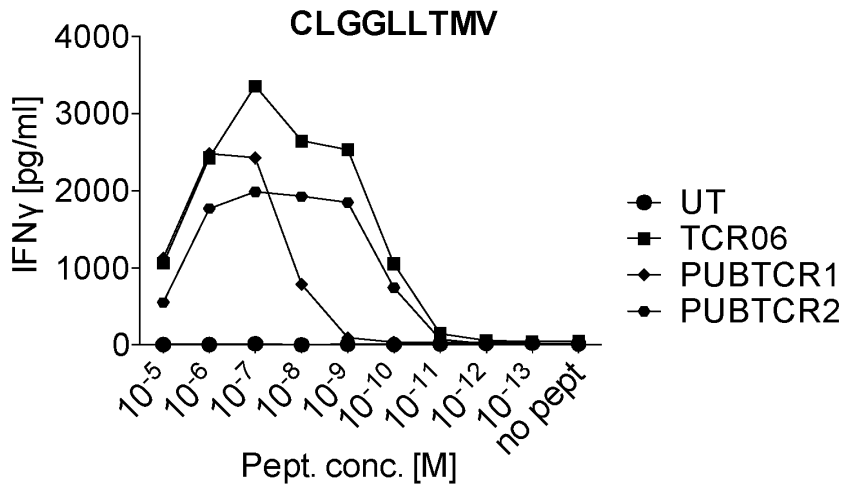


Fig. 15

A



B

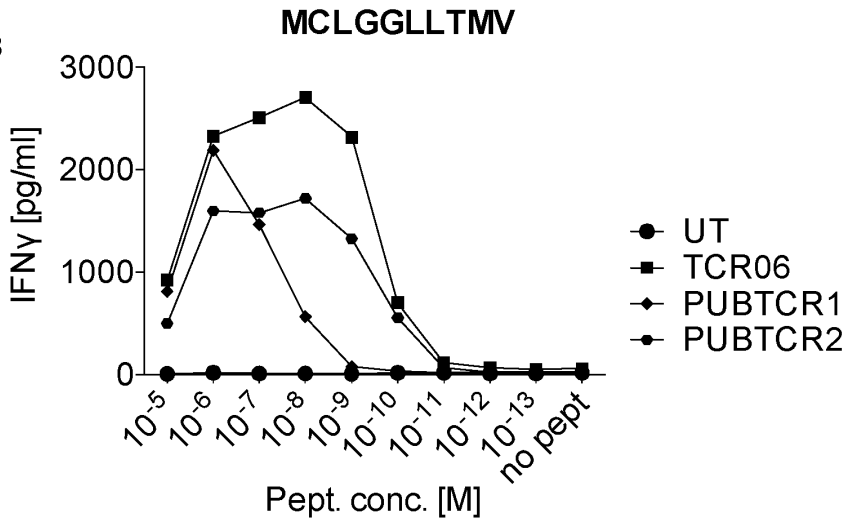
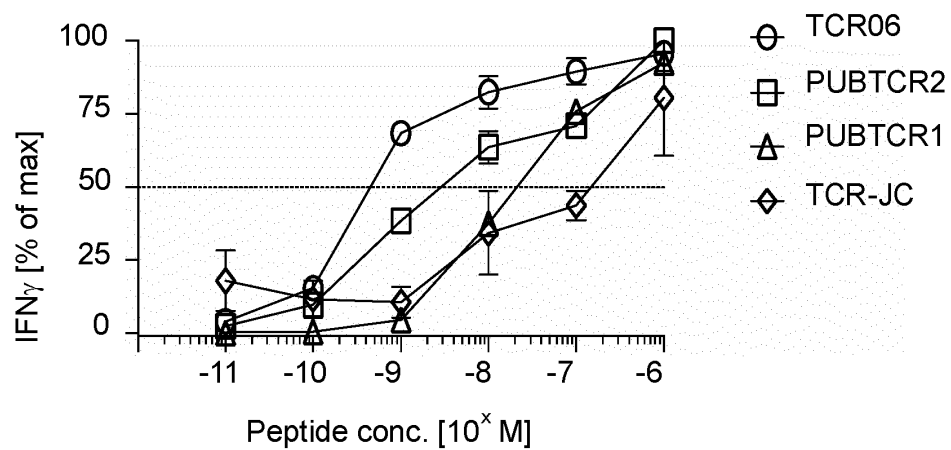
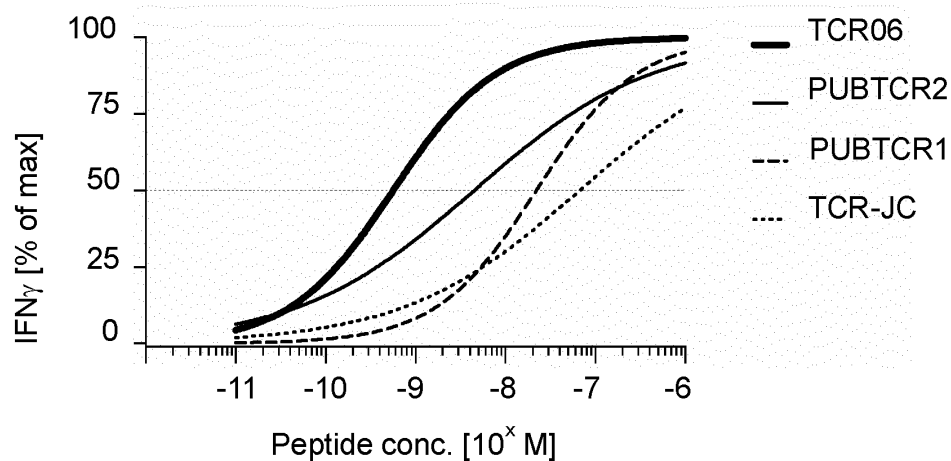


Fig. 16

A



B



C

	EC50 in 10^{-9} M (n=6)	SEM
TCR06	0.34	0.07
PUBTCR1	1.39	0.72
PUBTCR2	31.3	3.9
TCR-JC	39.5	6.7

Fig. 17

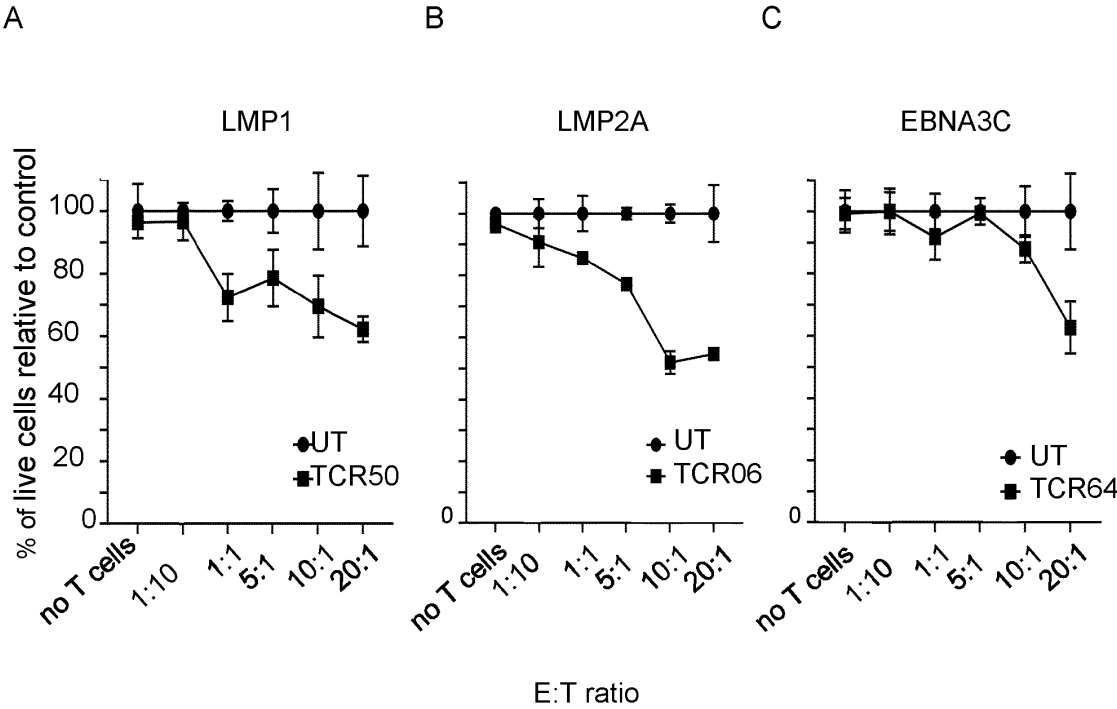
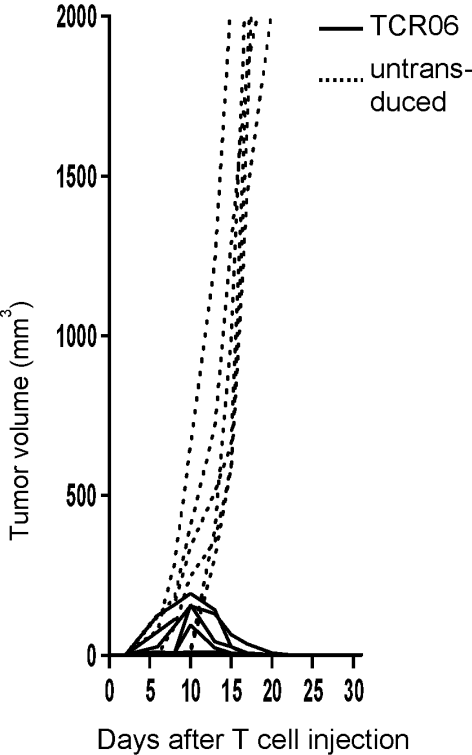


Fig. 18 A



B

