

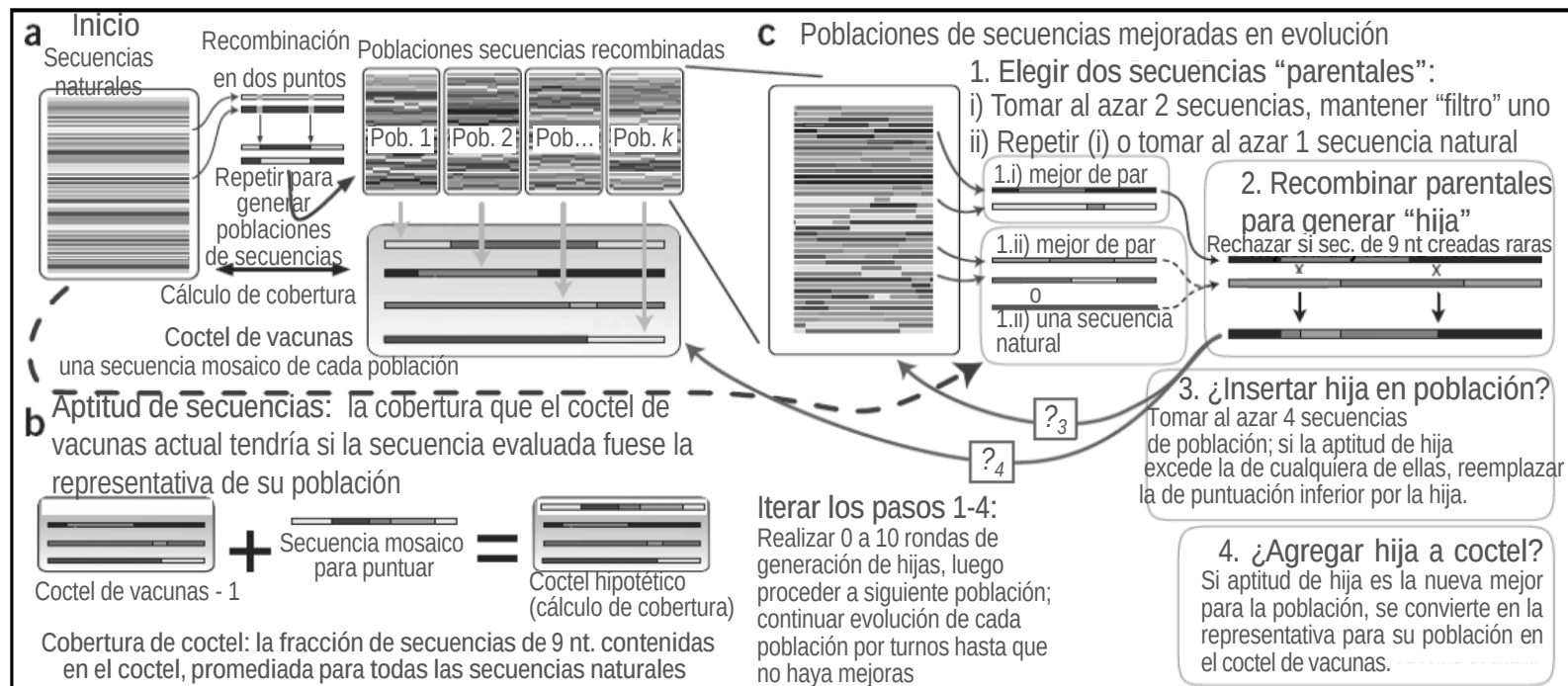
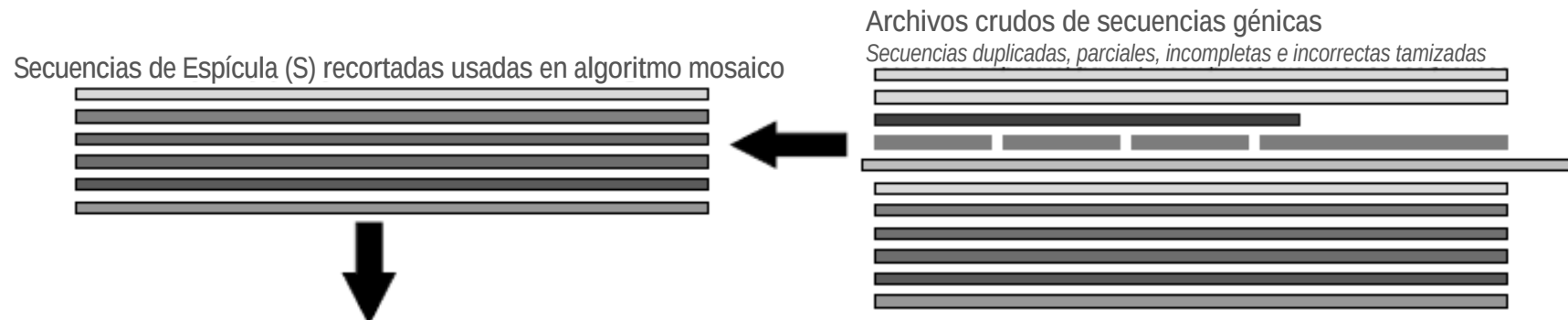


FIG. 2A

A FIG. 2B

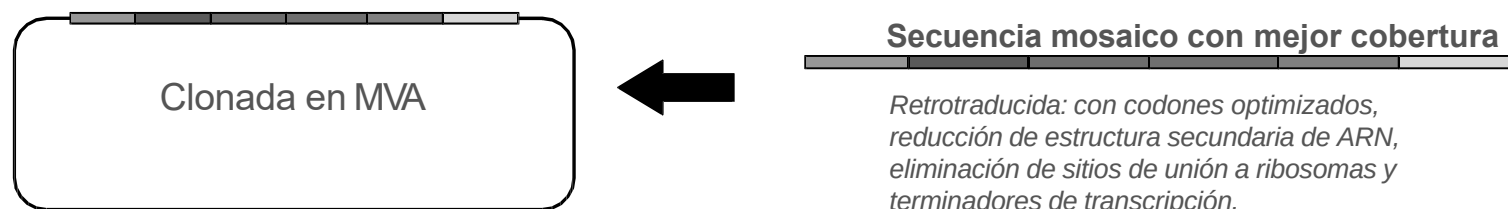


FIG. 2B

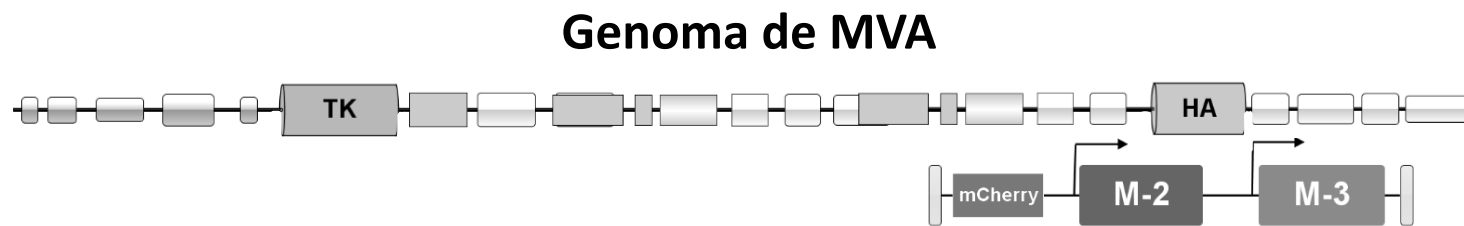


FIG. 3A – MVA-MoCoV-M2-M3

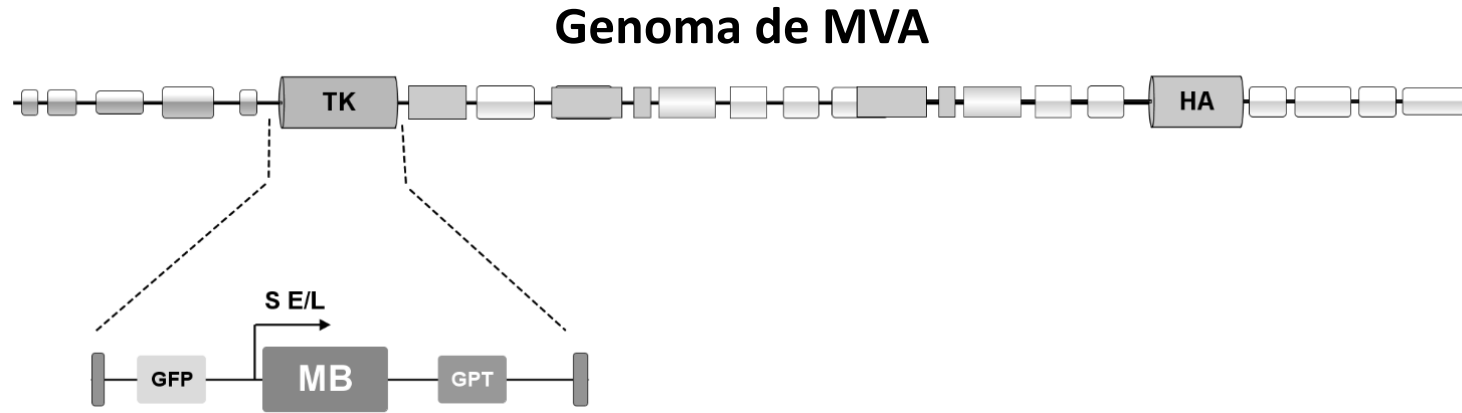


FIG. 3B – MVA-MoCoV-MB

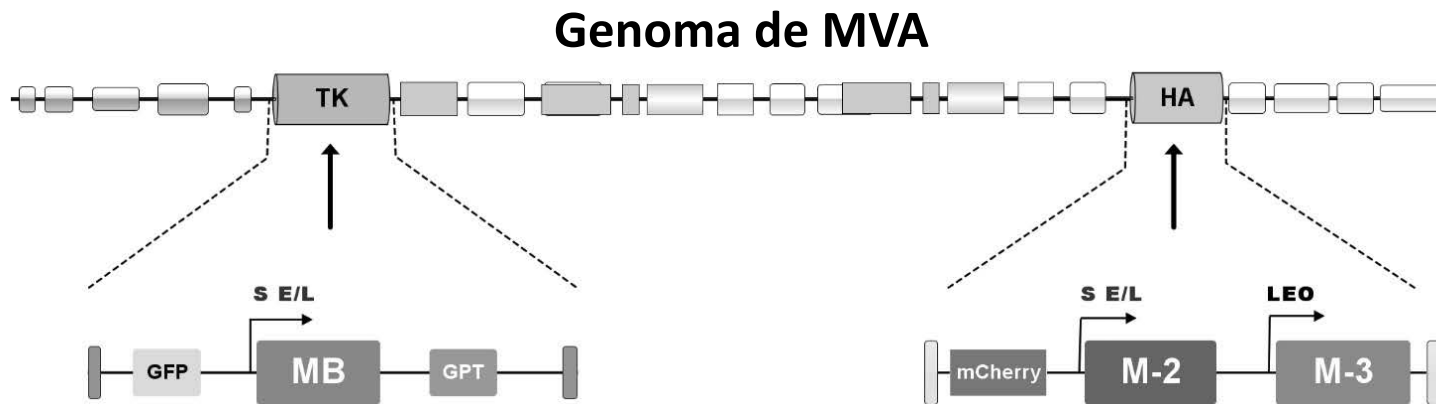


FIG. 3C – MVA-MoCoV-MB-M2-M3

Genoma de MVA

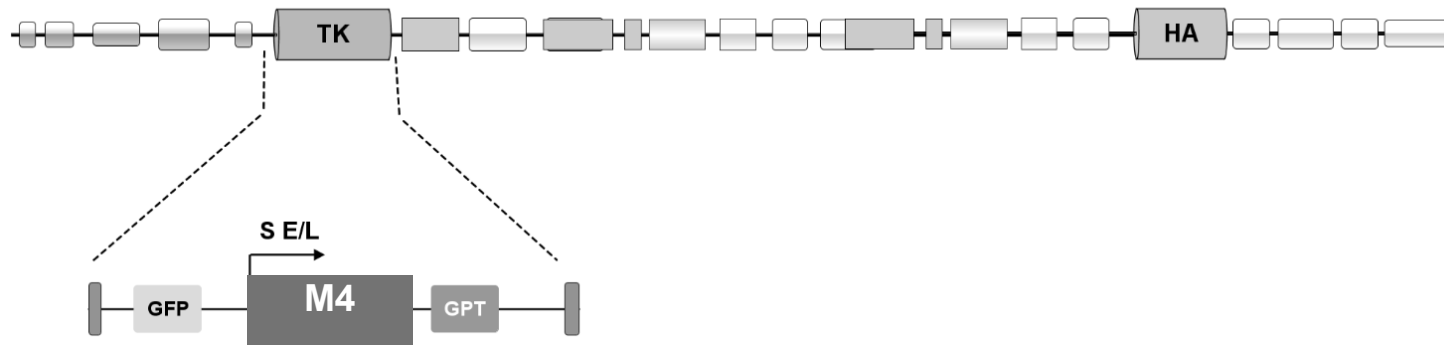


FIG. 3D – MVA-MoCoV-M4

Genoma de MVA

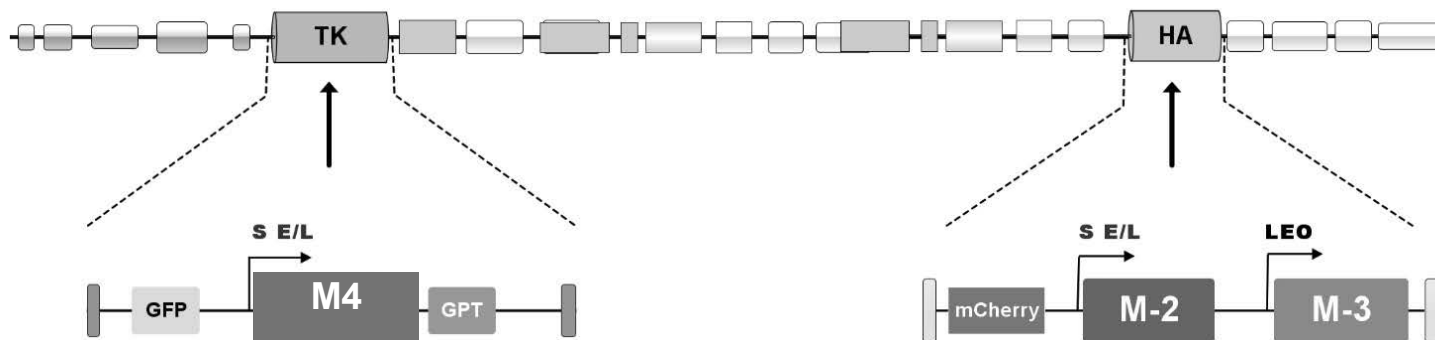
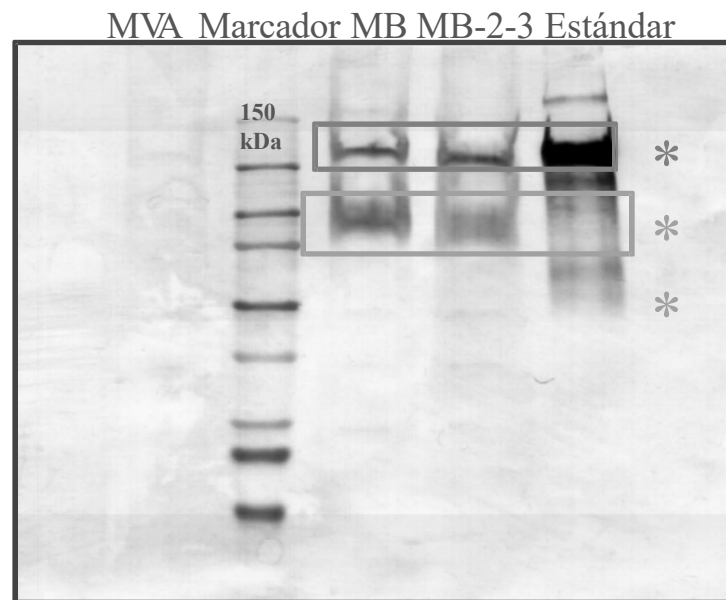


FIG. 3E – MVA-MoCoV-M4-M2-M3



Mosaico	Tamaño nucleotídico	Tamaño proteína	Peso molecular
MB	3822 pb	1273 aa	141.1 kDa
M-2	4062 pb	1353 aa	149.4 kDa
M-3	4071 pb	1356 aa	149.7 kDa

FIG. 4

	2do		Tabla Uso de Codones para Pollo									
1ro	T			C			A			G		
T	TTT	0.41	Phe	TCT	0.18	Ser	TAT	0.37	Tyr	TGT	0.36	Cys
	TTC	0.59		TCC	0.22		TAC	0.63		TGC	0.64	
	TTA	0.05	Leu	TCA	0.15		TAA	0.26	TERM	TGA	0.61	TERM
	TTG	0.13		TCG	0.07		TAG	0.13		TGG	1.00	Trp
C	CTT	0.13	Leu	CCT	0.27	Pro	CAT	0.40	His	CGT	0.13	Arg
	CTC	0.18		CCC	0.32		CAC	0.60		CGC	0.20	
	CTA	0.07		CCA	0.29		CAA	0.29	Gln	CGA	0.09	
	CTG	0.43		CCG	0.12		CAG	0.71		CGG	0.15	
A	ATT	0.34	Ile	ACT	0.24	Thr	AAT	0.41	Asn	AGT	0.12	Ser
	ATC	0.51		ACC	0.34		AAC	0.59		AGC	0.27	
	ATA	0.15		ACA	0.29		AAA	0.38	Lys	AGA	0.22	Arg
	ATG	1.00	Met	ACG	0.13		AAG	0.62		AGG	0.21	
G	GTT	0.20	Val	GCT	0.32	Ala	GAT	0.48	Asp	GGT	0.21	Gly
	GTC	0.24		GCC	0.33		GAC	0.52		GGC	0.31	
	GTA	0.12		GCA	0.25		GAA	0.40	Glu	GGA	0.27	
	GTG	0.45		GCG	0.10		GAG	0.60		GGG	0.22	

FIG. 5A

	2do		Tabla Uso de Codones para Humano									
1ro	T			C			A			G		
T	TTT	0.43	Phe	TCT	0.18	Ser	TAT	0.42	Tyr	TGT	0.42	Cys
	TTC	0.57		TCC	0.23		TAC	0.58		TGC	0.58	
	TTA	0.06	Leu	TCA	0.15		TERM	TAA	0.22	TGA	0.61	TERM
	TTG	0.12		TCG	0.06			TAG	0.17	TGG	1.00	Trp
C	CTT	0.12	Leu	CCT	0.29	Pro	CAT	0.41	His	CGT	0.09	Arg
	CTC	0.20		CCC	0.33		CAC	0.59		CGC	0.19	
	CTA	0.07		CCA	0.27		Gln	CAA	0.27	CGA	0.10	
	CTG	0.43		CCG	0.11			CAG	0.73	CGG	0.19	
A	ATT	0.35	Ile	ACT	0.23	Thr	AAT	0.44	Asn	AGT	0.14	Ser
	ATC	0.52		ACC	0.38		AAC	0.56		AGC	0.25	
	ATA	0.14		ACA	0.27		Lys	AAA	0.40	AGA	0.21	Arg
	ATG	1.00	Met	ACG	0.12			AAG	0.60	AGG	0.22	
G	GTT	0.17	Val	GCT	0.28	Ala	GAT	0.44	Asp	GGT	0.18	Gly
	GTC	0.25		GCC	0.40		GAC	0.56		GGC	0.33	
	GTA	0.10		GCA	0.22		Glu	GAA	0.41	GGA	0.26	
	GTG	0.48		GCG	0.10			GAG	0.59	GGG	0.23	

FIG. 5B

	Tabla Uso de Codones para Cerdo											
	T			C		A		G				
T	TTT	0.38	Phe	TCT	0.15	Ser	TAT	0.35	Tyr	TGT	0.39	Cys
	TTC	0.62		TCC	0.26		TAC	0.65		TGC	0.61	
	TTA	0.06	Leu	TCA	0.15		TERM	TGA	0.79	TERM		
	TTG	0.1		TCG	0.06			TAG	0.08	TGG	1	Trp
C	CTT	0.1	Leu	CCT	0.24	Pro	CAT	0.34	His	CGT	0.07	Arg
	CTC	0.21		CCC	0.35		CAC	0.66		CGC	0.22	
	CTA	0.13		CCA	0.27		CAA	0.25	Gln	CGA	0.12	
	CTG	0.4		CCG	0.13		CAG	0.75		CGG	0.2	
A	ATT	0.3	Ile	ACT	0.19	Thr	AAT	0.37	Asn	AGT	0.12	Ser
	ATC	0.53		ACC	0.41		AAC	0.63		AGC	0.26	
	ATA	0.18		ACA	0.26		AAA	0.4	Lys	AGA	0.19	Arg
	ATG	1	Met	ACG	0.13		AAG	0.6		AGG	0.2	
G	GTT	0.14	Val	GCT	0.24	Ala	GAT	0.38	Asp	GGT	0.14	Gly
	GTC	0.27		GCC	0.45		GAC	0.62		GGC	0.36	
	GTA	0.12		GCA	0.2		GAA	0.38	Glu	GGA	0.26	
	GTG	0.48		GCG	0.11		GAG	0.62		GGG	0.24	

TERM = Terminación

FIG. 5C

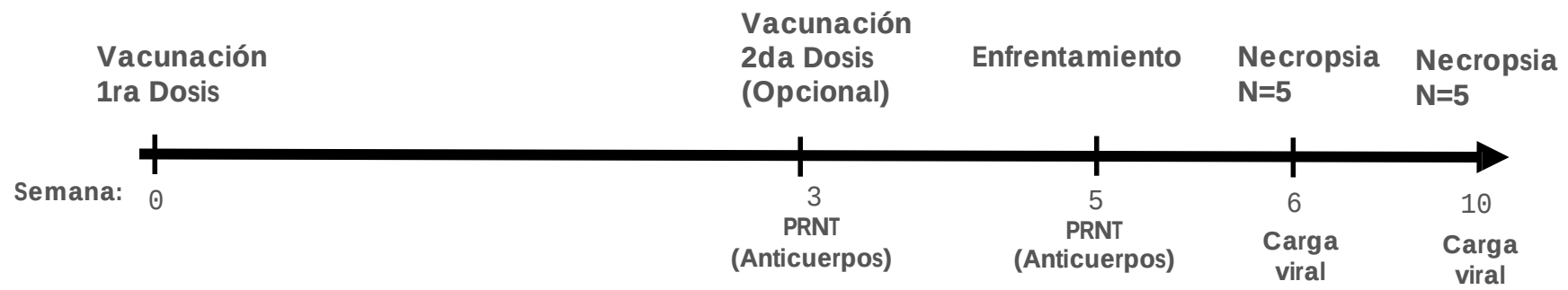


FIG. 6A

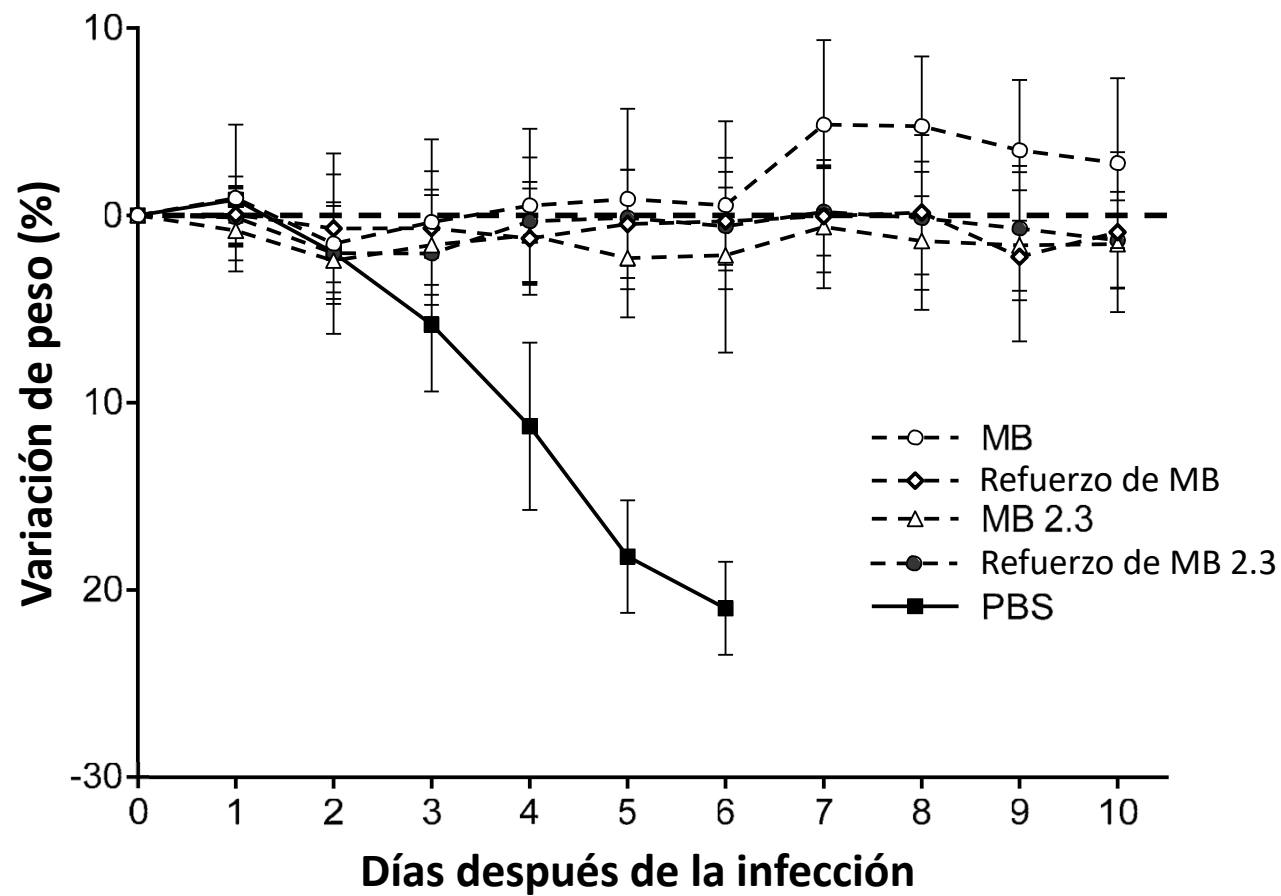


FIG. 6B

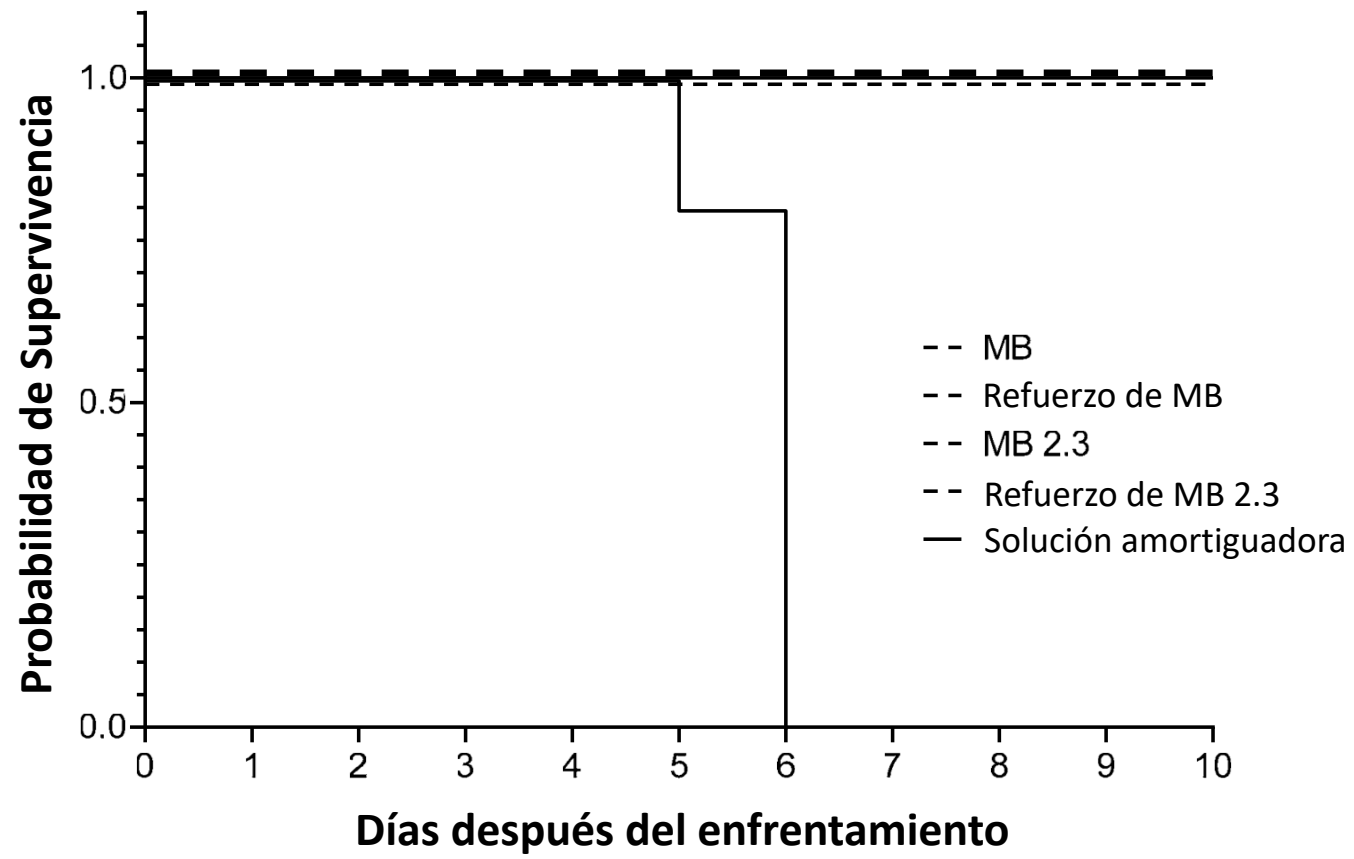


FIG. 6C

K18-ACE2 21 dpv

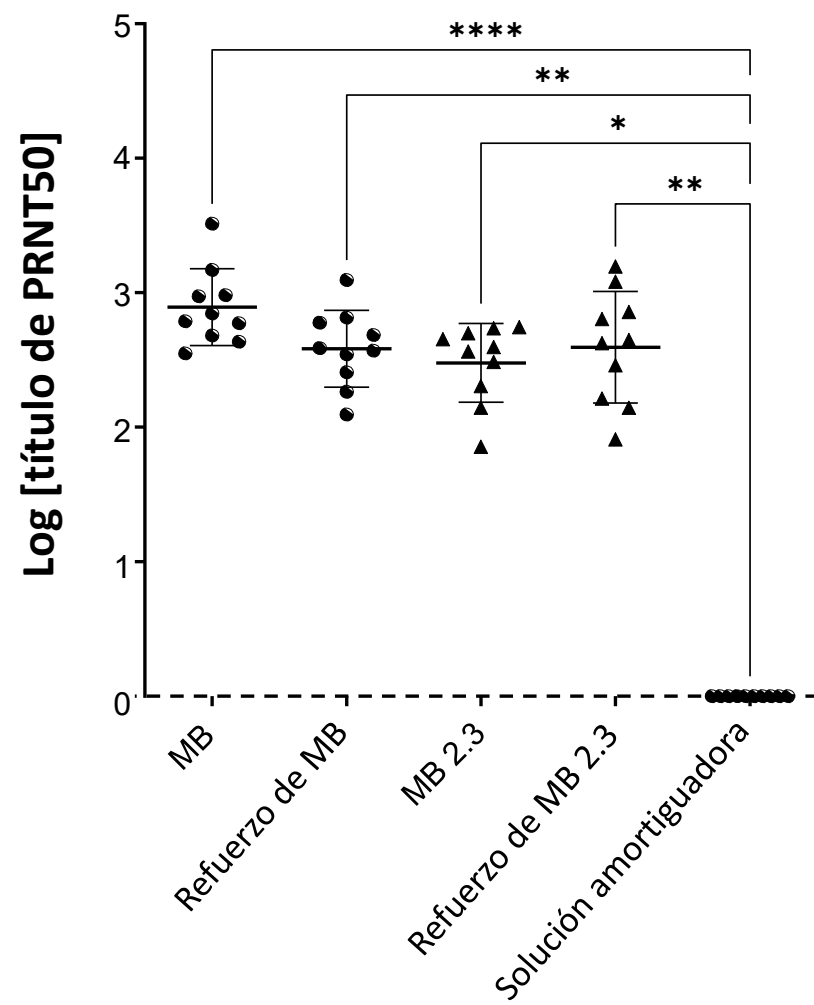


FIG. 6D

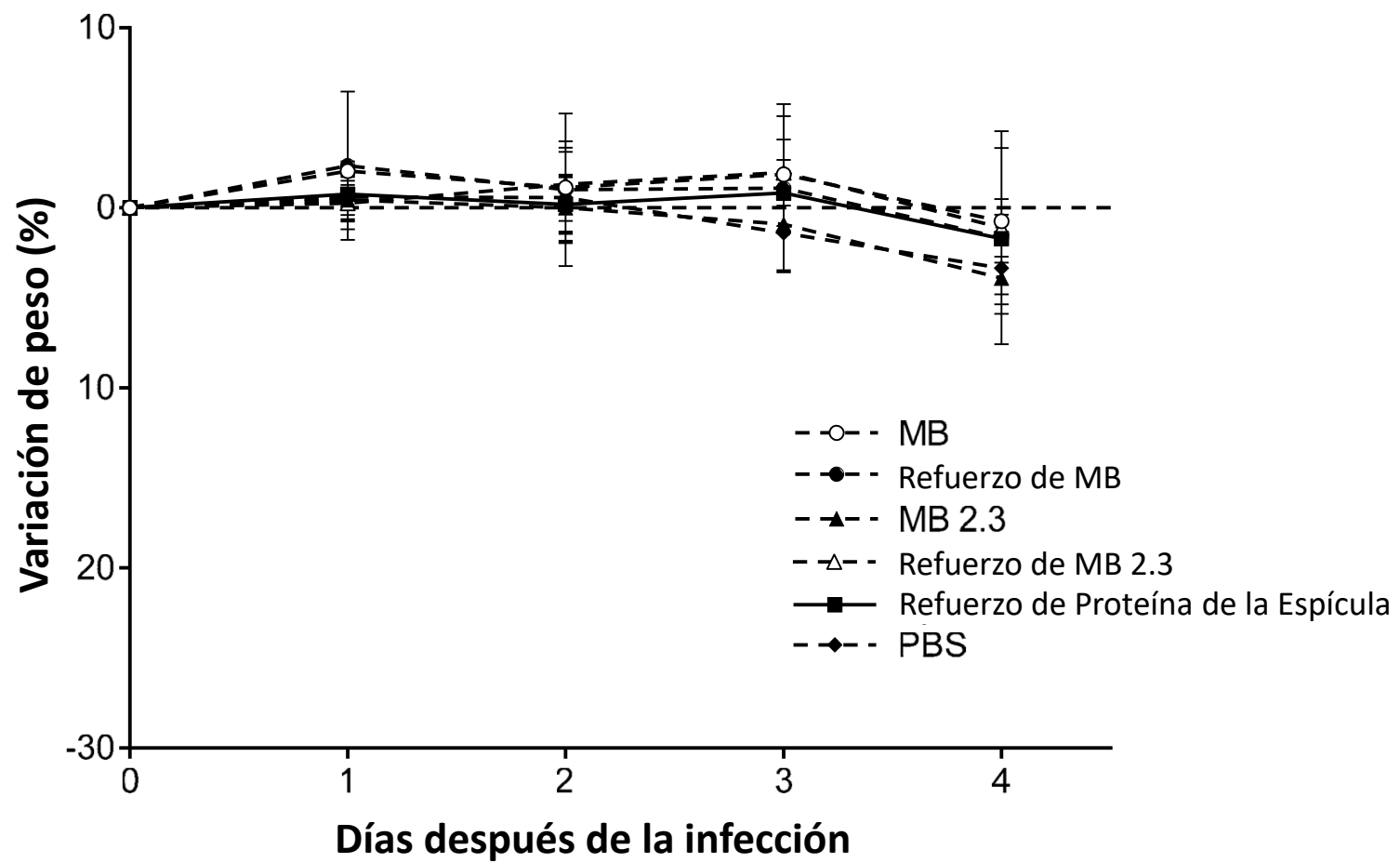


FIG. 7A

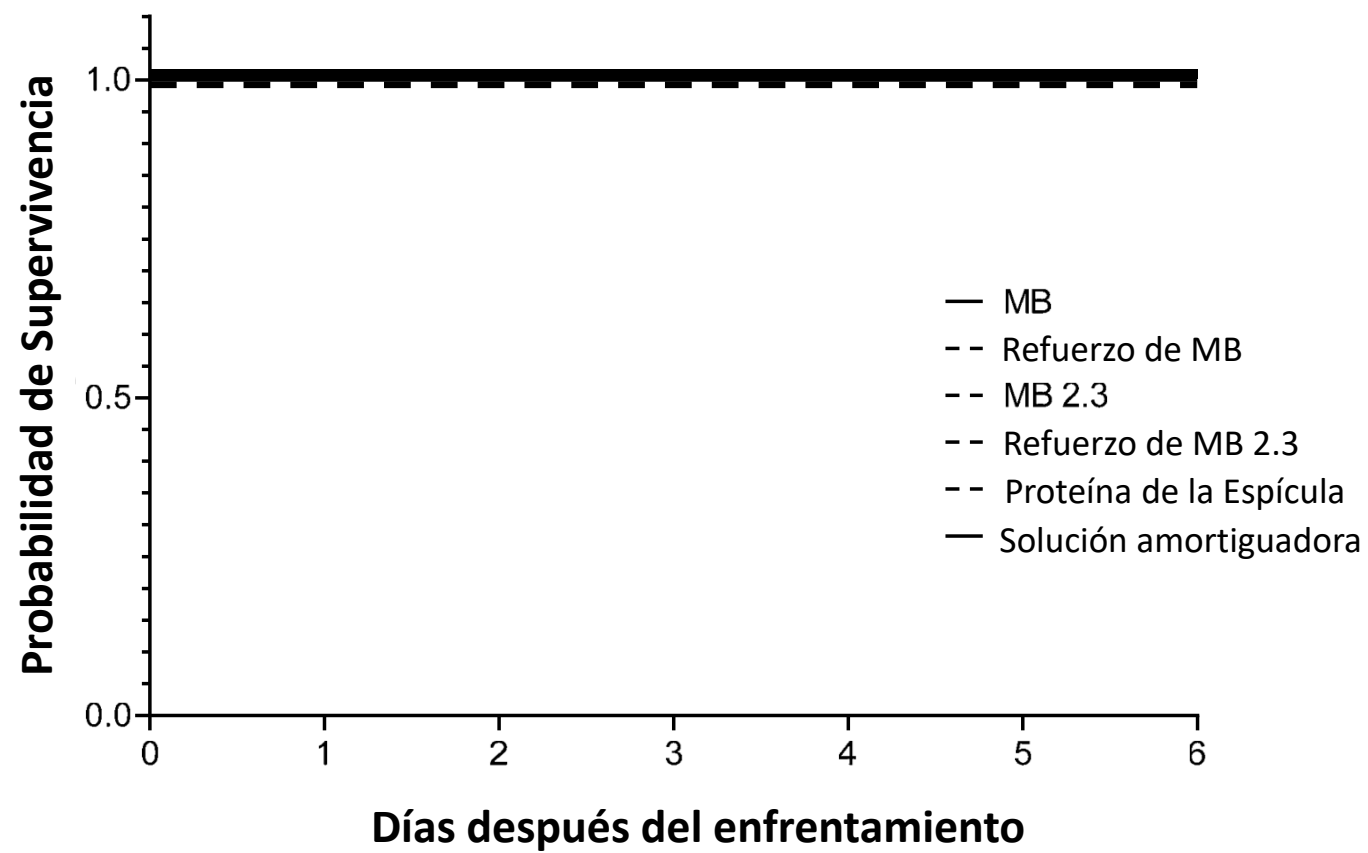


FIG. 7B

C. Ratones C57BL6J 21 dpv

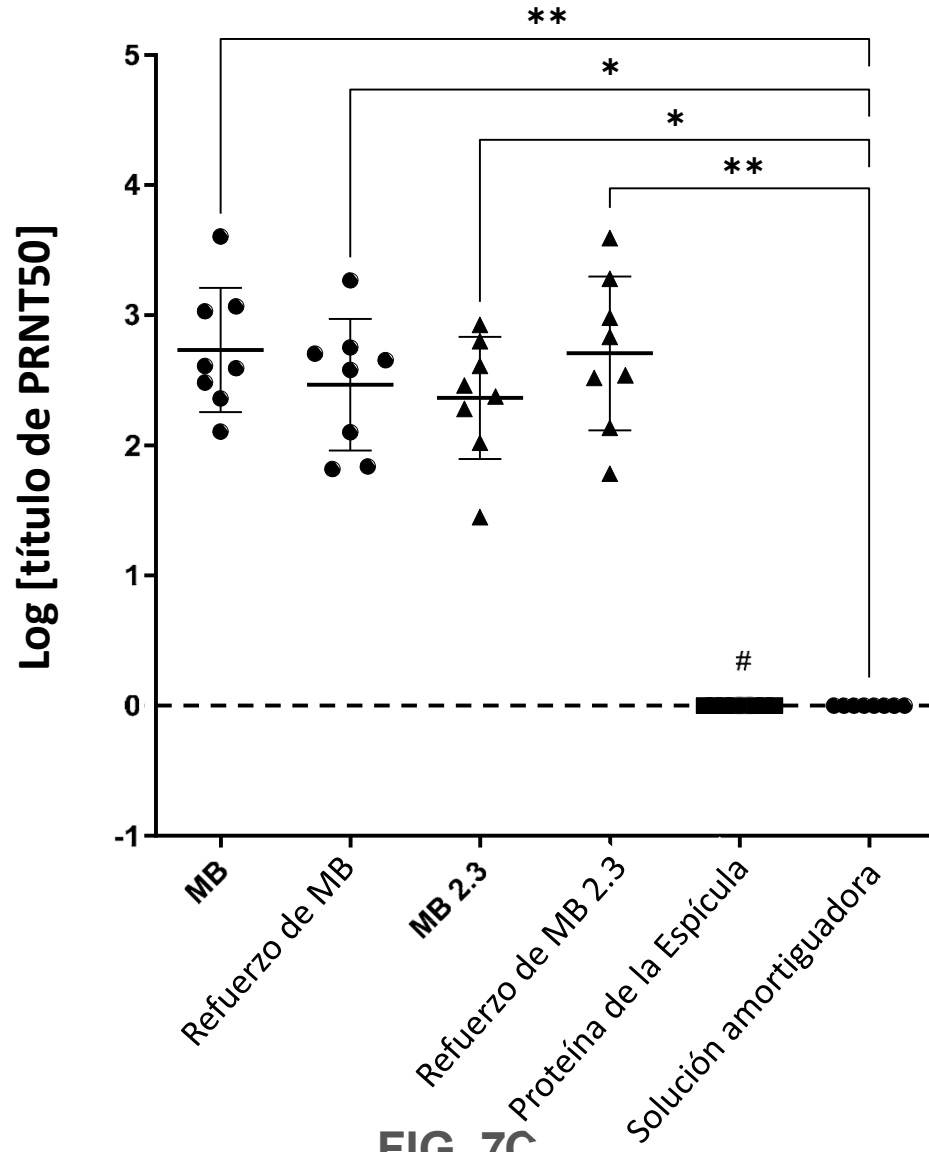
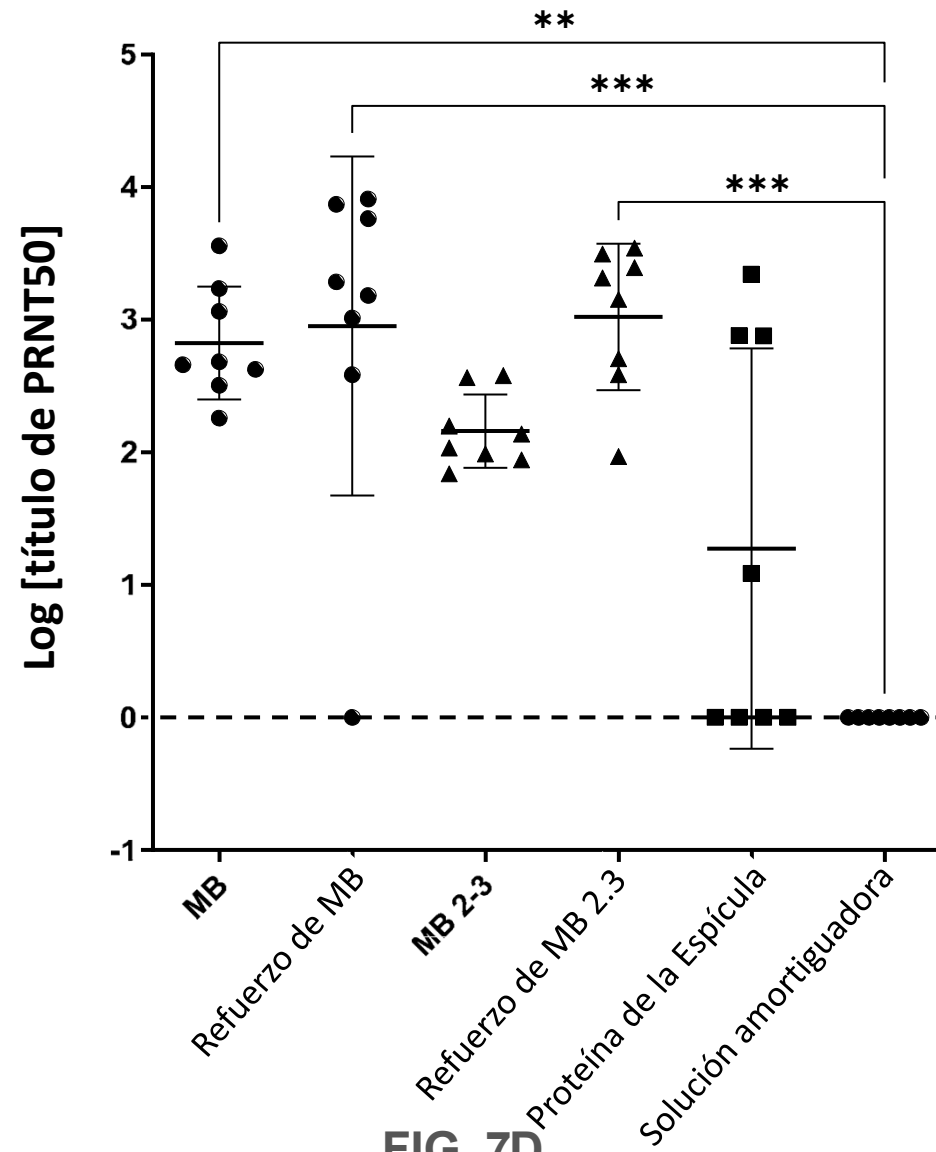
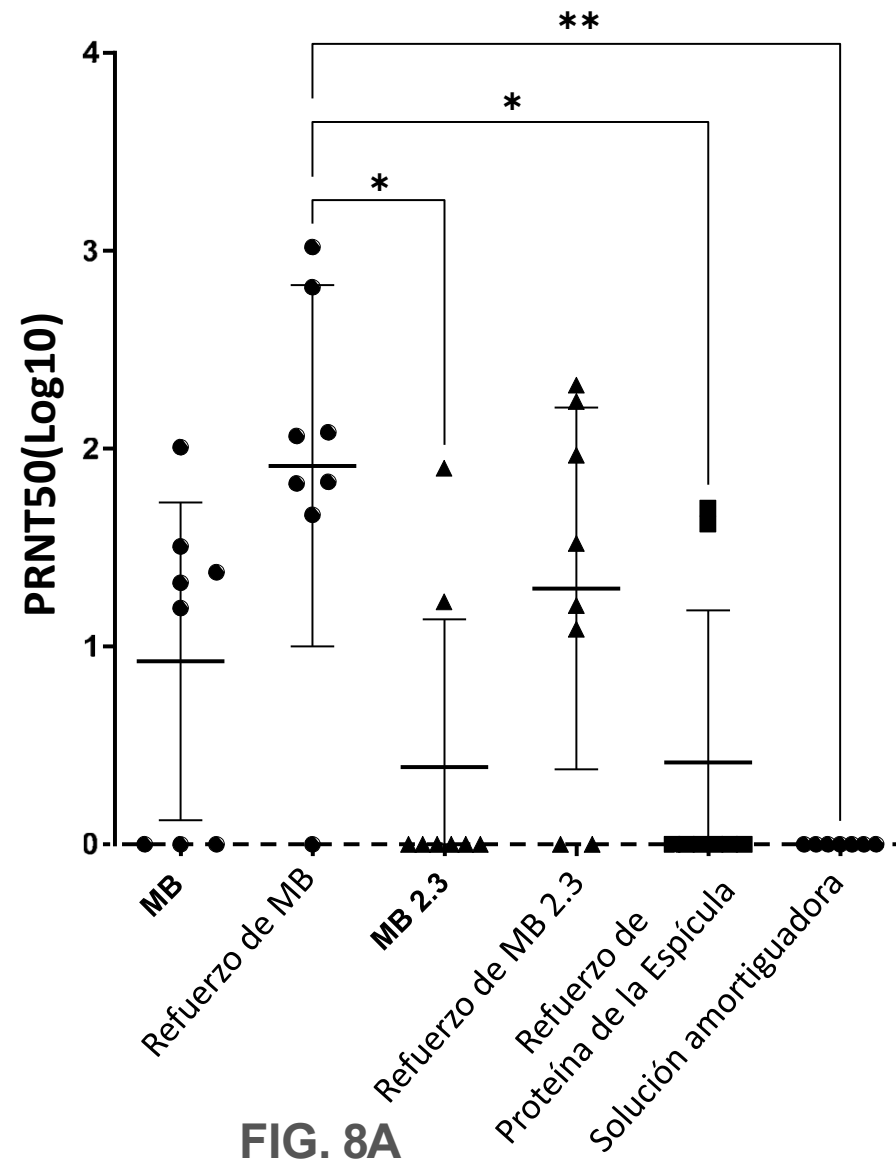


FIG. 7C

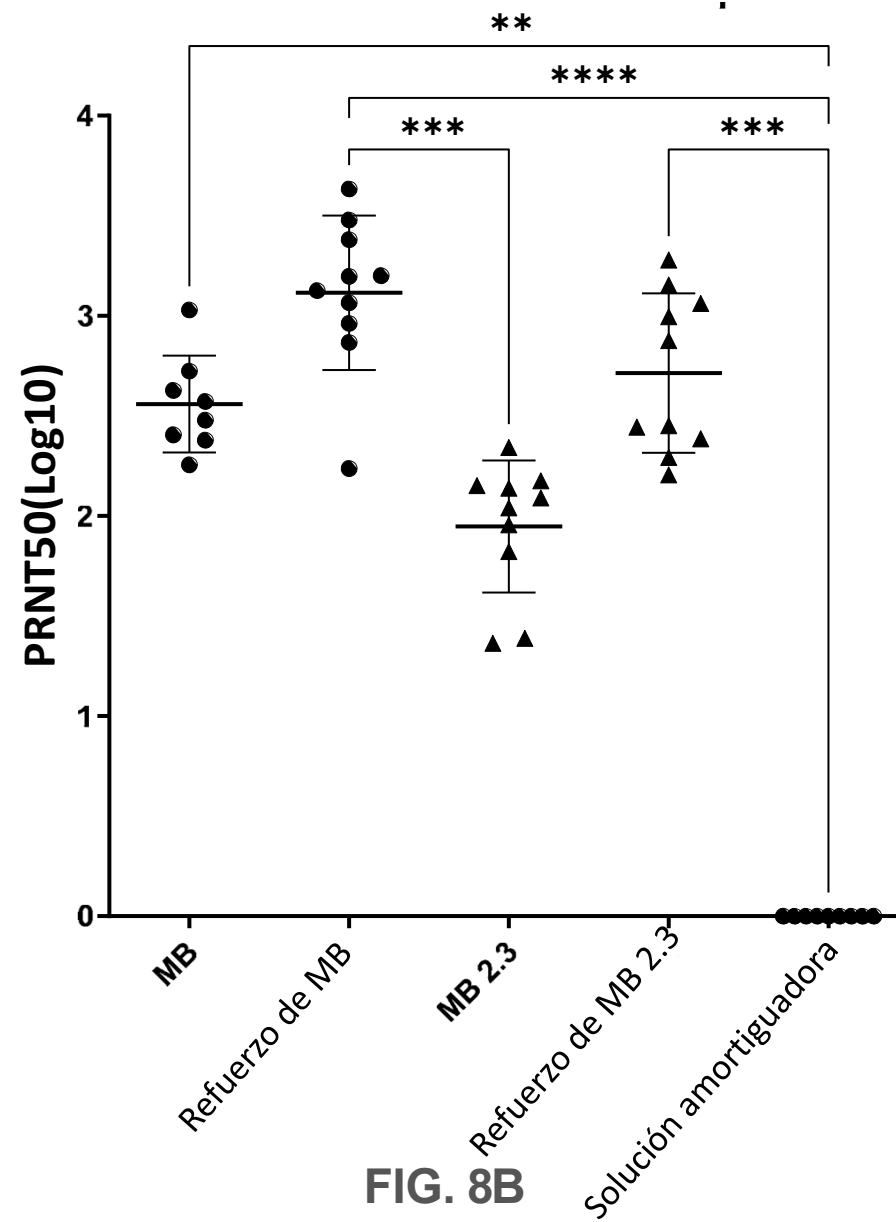
D. Ratones C57BL6J 35 dpv



A. Ratones C57BL6J 35 dpv



B. Ratones K18.hACE-2 35 dpv



A. Ratones C57BL6J 35 dpv

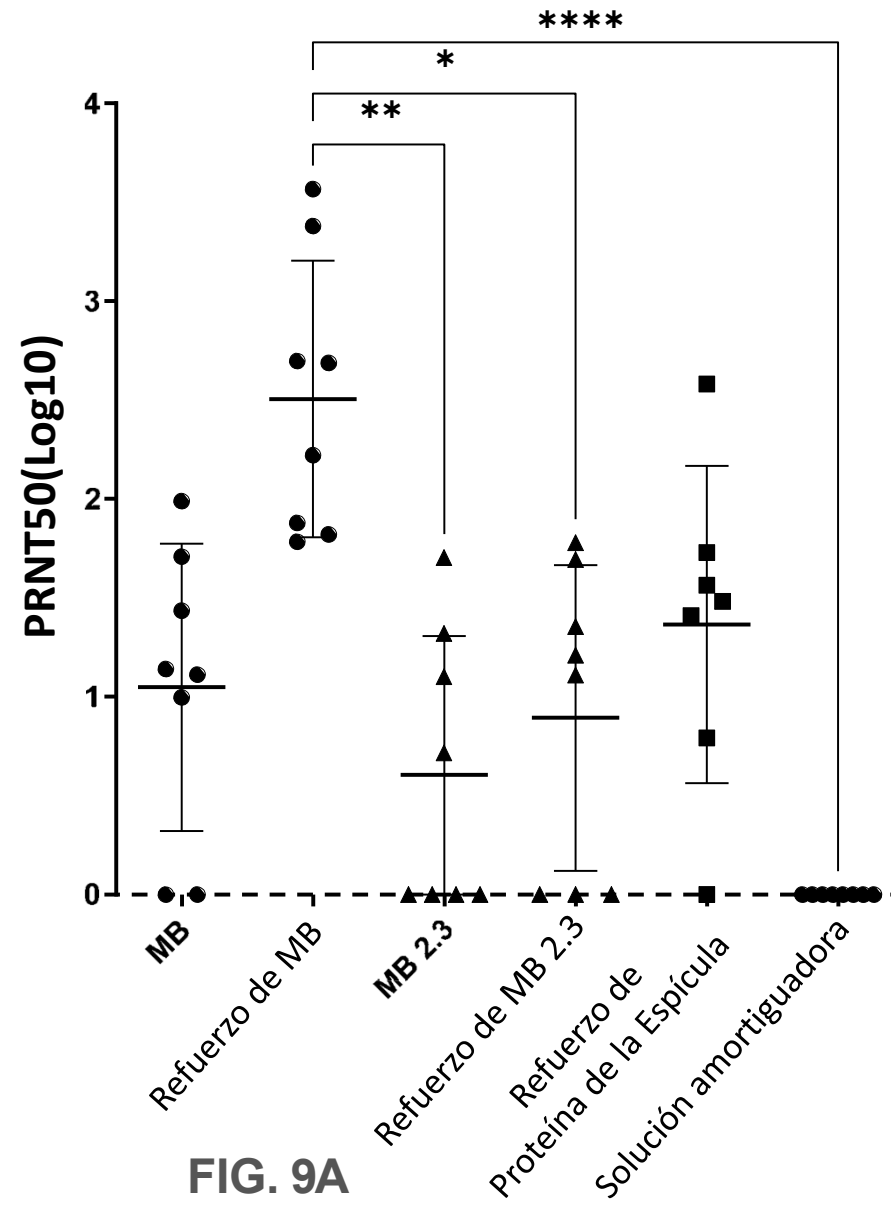


FIG. 9A

B. Ratones K18.hACE-2 35 dpv

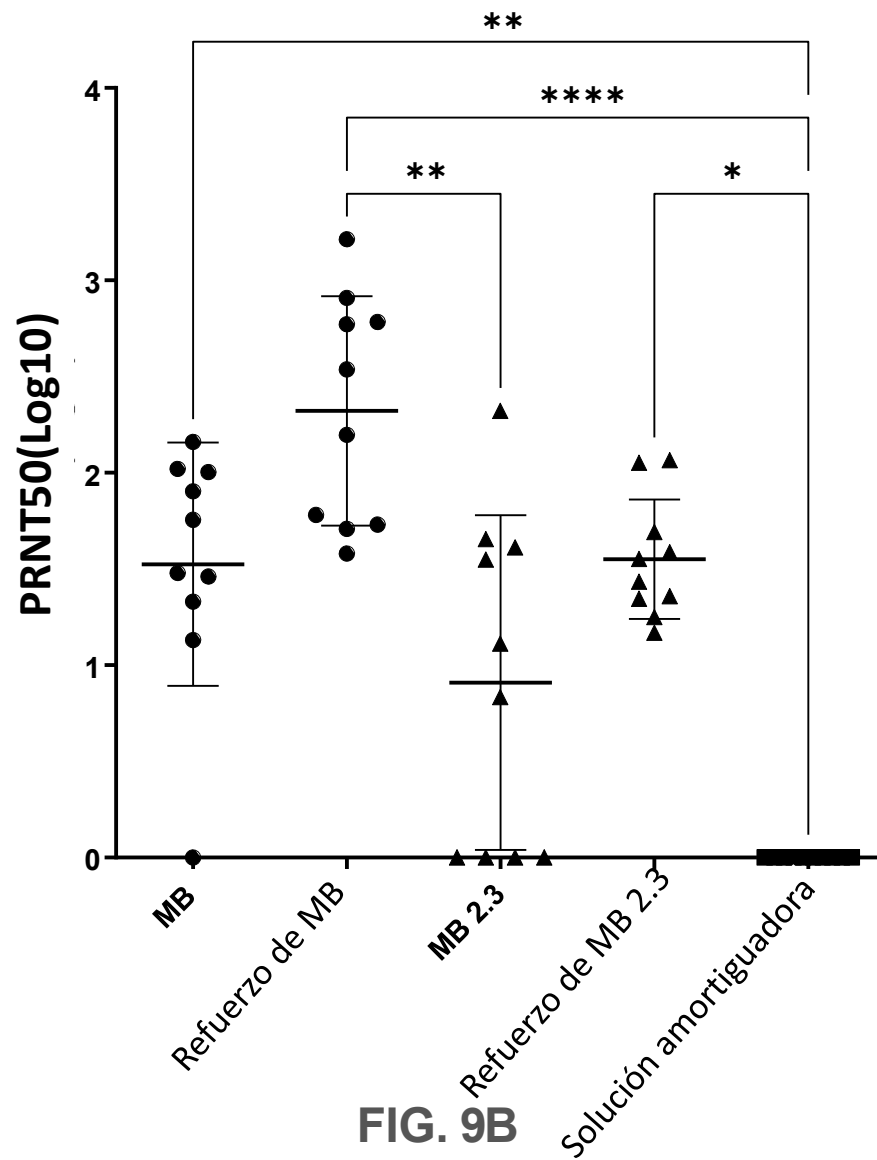


FIG. 9B

Variante Sudafricana de SARS-CoV-2 – Modelo C57BL/6

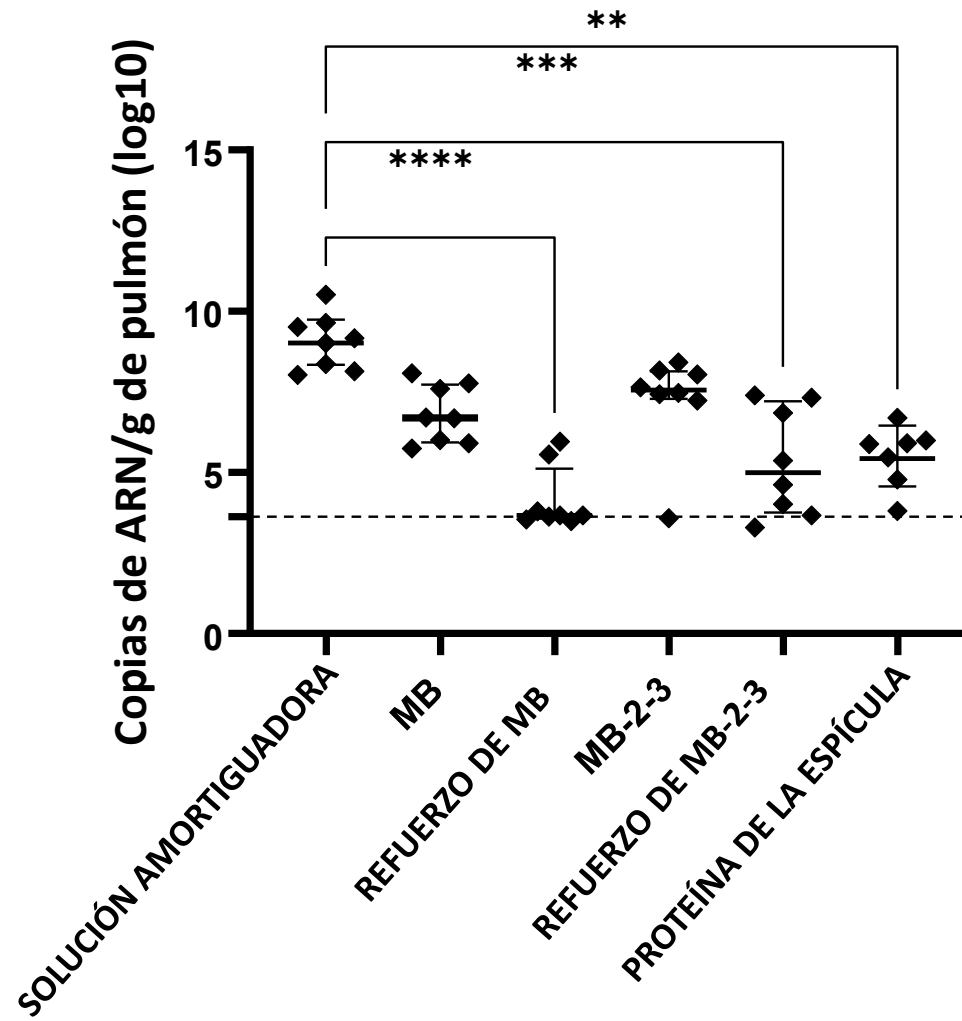
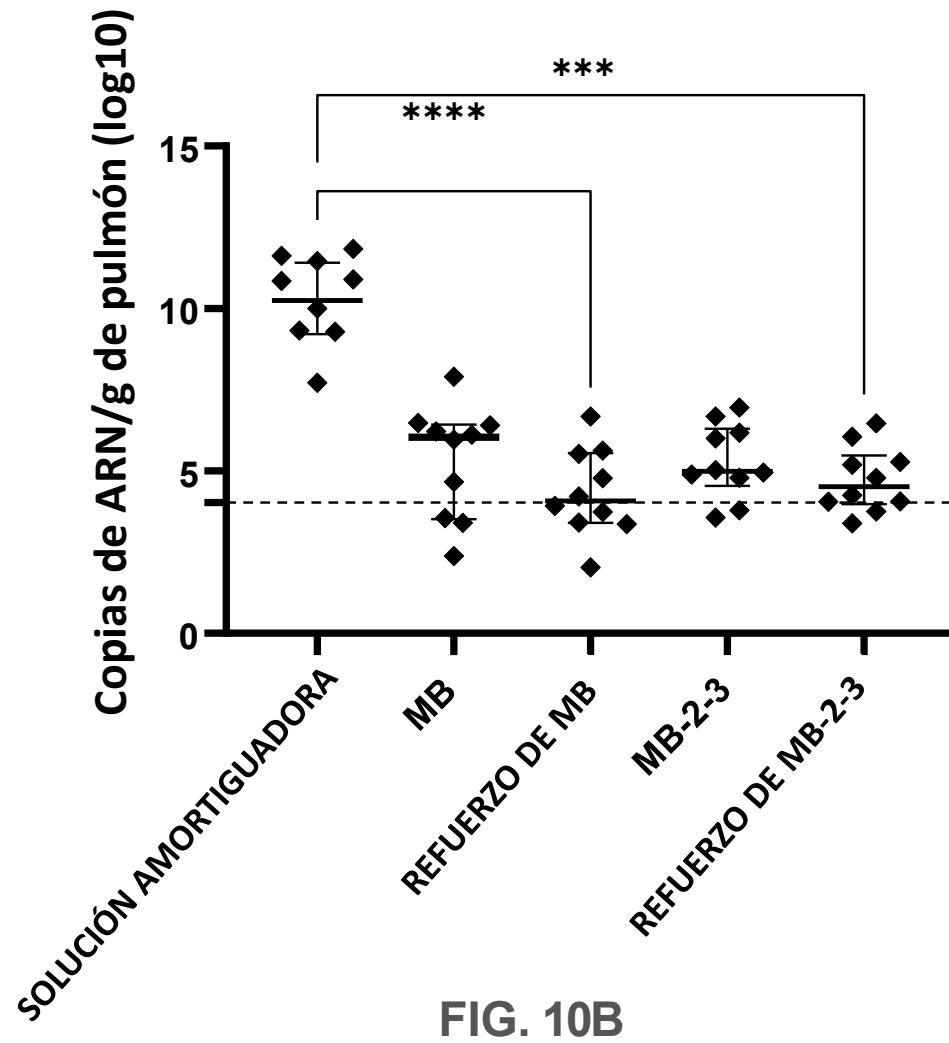


FIG. 10A

Cepa Washington del SARS-CoV-2 – Modelo K18-hACE2



Títulos Virales en C57BL6J

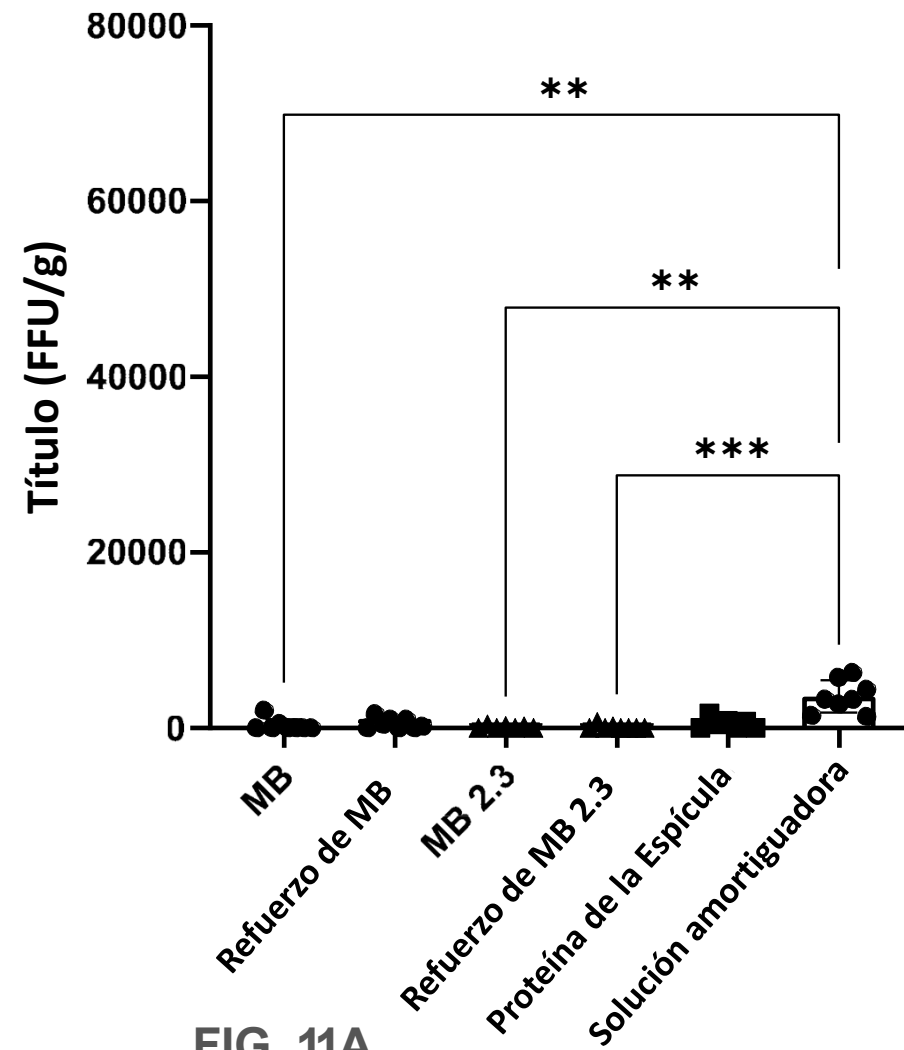


FIG. 11A

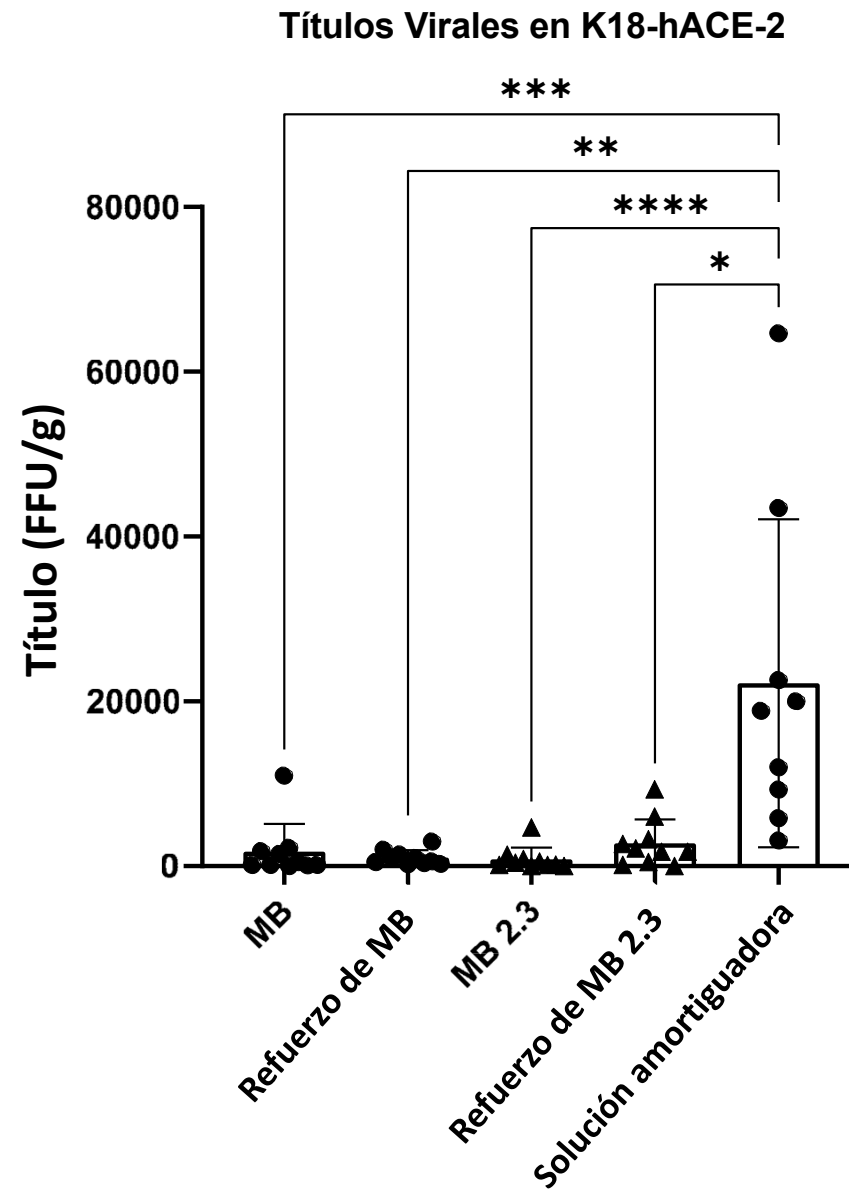


FIG. 11B

Grupo	# de Animales	Vacuna	Dosis	Ruta	Refuerzo	Muestreo
1 Sensibilización solamente	5	MB 2.3	5x10 ⁷ PFU	IM	No	Suero y PBMC -8, 21, 35 dpv
2 Sensibilización+ Refuerzo	5	MB 2.3		IM	Sí	
3 Control	3	Sham		IM	No	

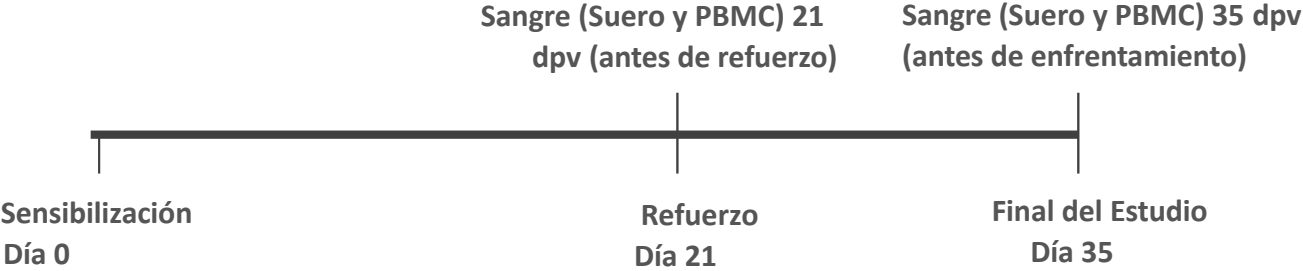


FIG. 12A

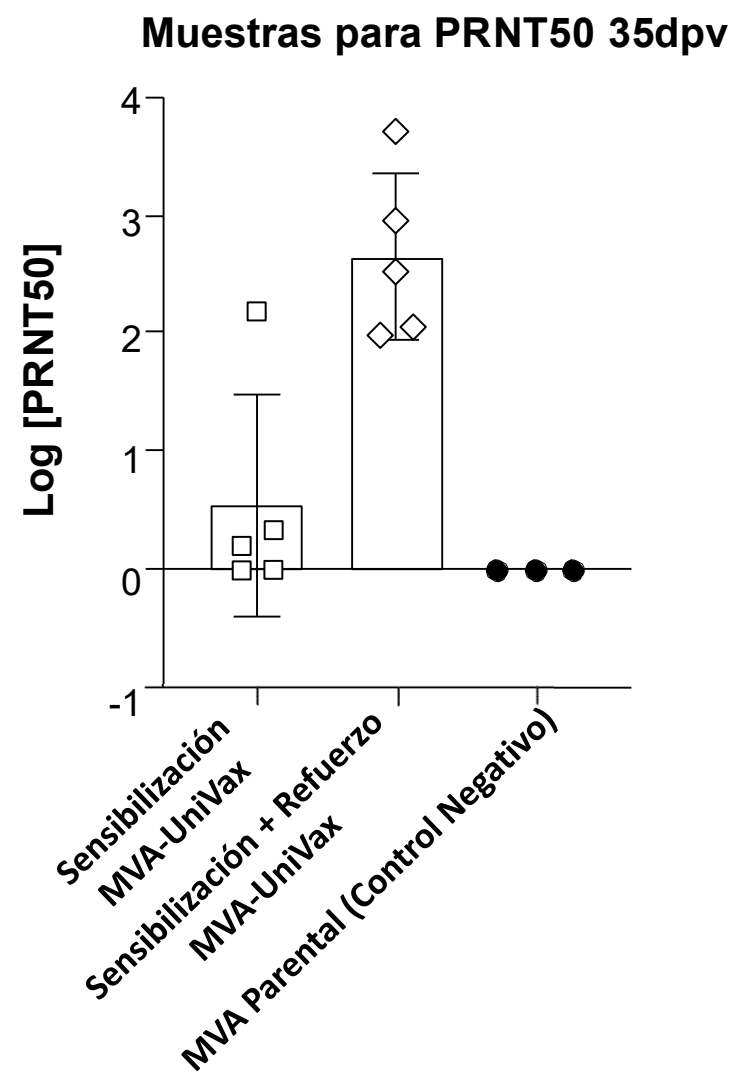


FIG. 12B

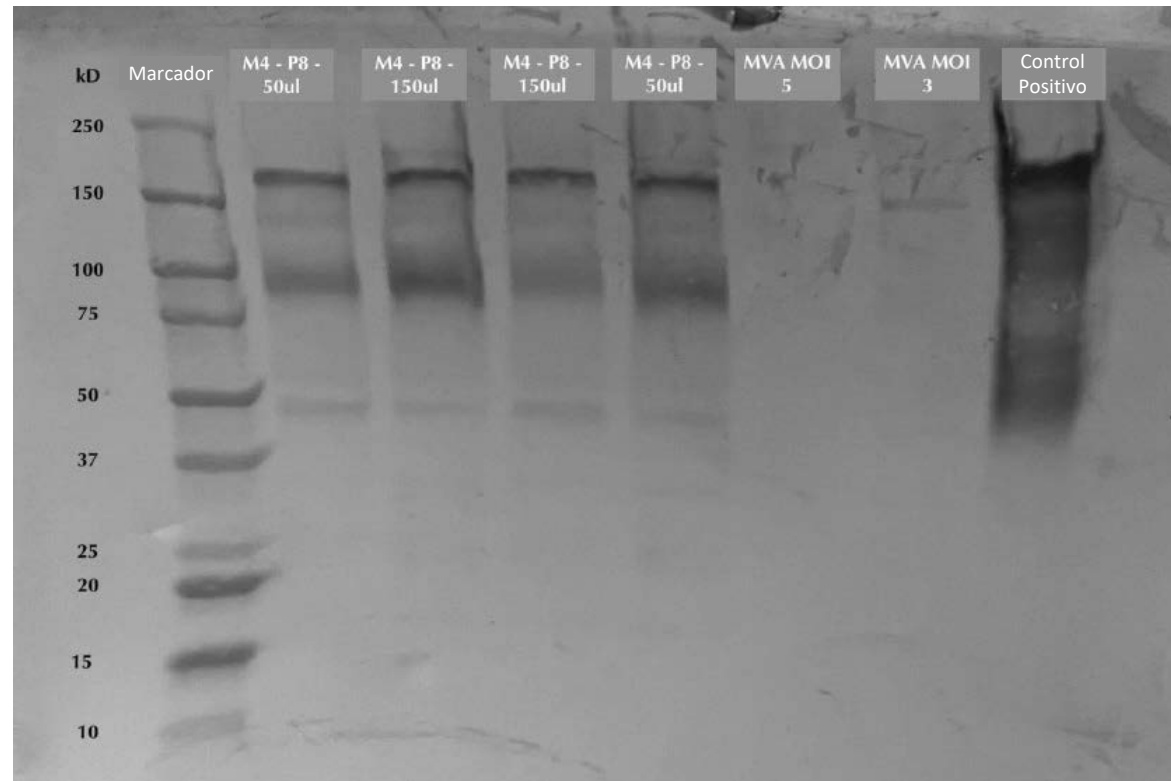


FIG. 13

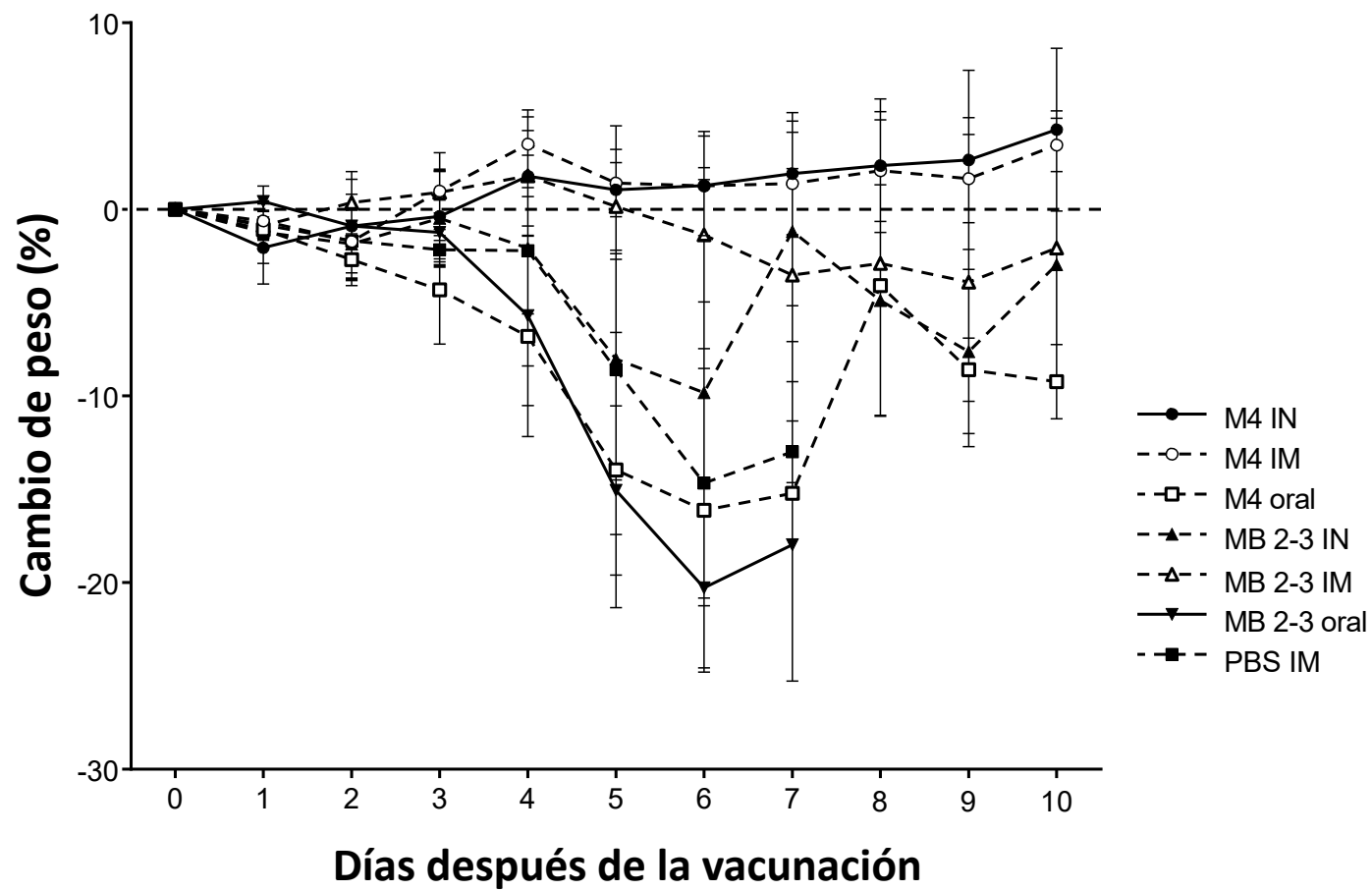


FIG. 14

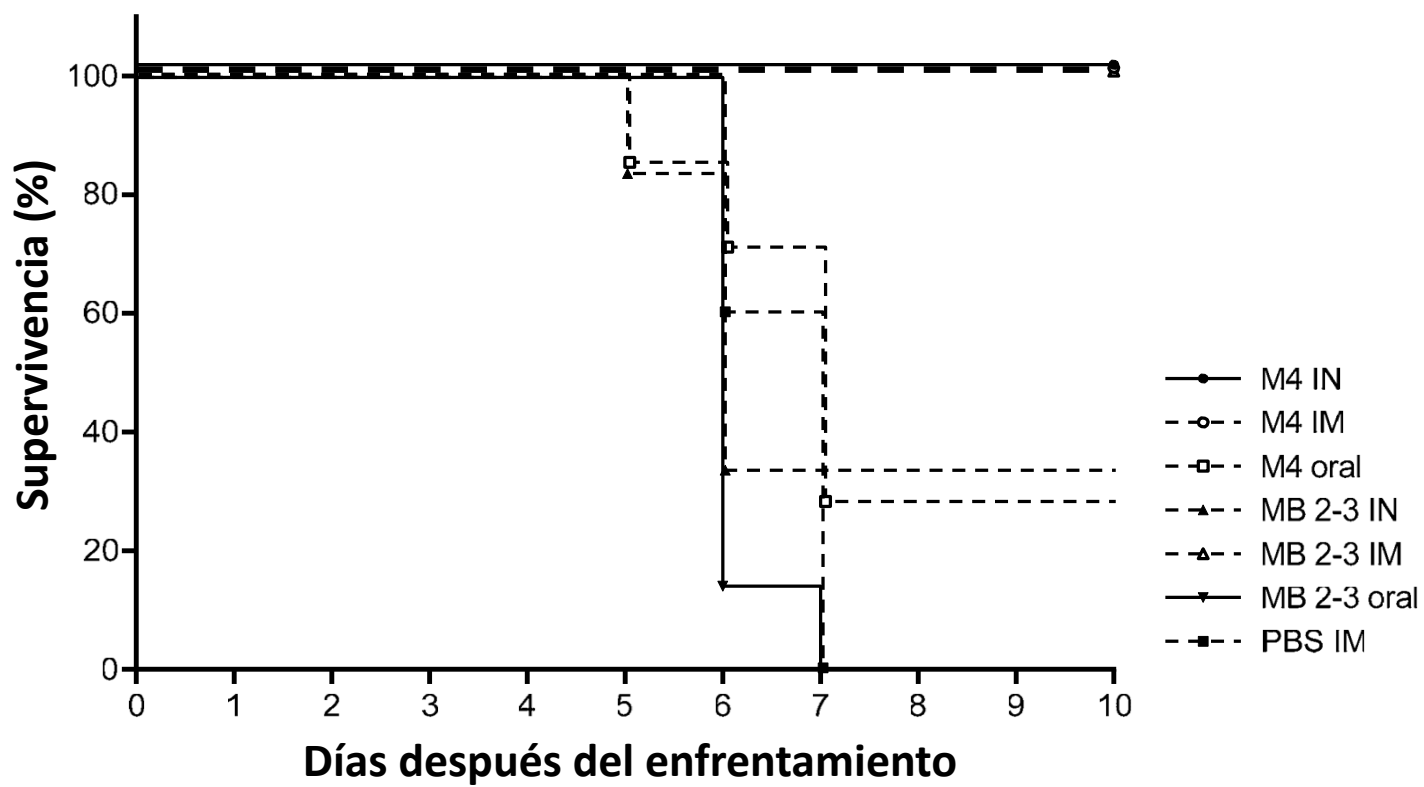


FIG. 15