Suppleme	ntal Table	1. MHC-1 and	l TRIM5α all	eles					
0									
Controller	rs	Mm0201	Mm0512	Mm0517	Mm0202	Mm0515	Mm0516	Mm0511	
	maion A	NIII0301	MIII0312	NIIIU31/	NIII0303	NIII0515	MIII0310	MIII0511	
	major A	A1*11001	A1*01007	A1*05602	A1*0040102	A1*03202	A1*03202	A1"10502	
	min on A	A1"11001	A1"01907	A1"05002	A1"05001	A1"11001	A1*04904	A 2*0546	
	minor A		A2"0520		A2"0511		A1"11001	A2"0540	
	major D	D*4201	D*4201	D*9701N	A4*1405 D*4201	D*2201N	D*2201N	D*6601	
	пајог в	D*4301 D*0201N	D*4301	D*02011N	D*4301 D*0201N	D*33011	D*33011	D*1601N	
		D*2011	D.0001	1*0100N2 D*4615N2	D*92011	D*0401	D*0401	D. 100114	
		D*JOIN D*CCN1		D"4015112	D*0703	D"JOIN D*CCN1			
	minor P	B 00111	B*0201N	B*0201	D 370111	1*0106N3	P*6601	B*4615N1	
	minor B	B 7301	B 92011	B 0201		1 0100103	D 0001 R*3001N	D 4015101 I*0106N5	-
		1 0100100	B 2002				B 37011	I 0100N3	
								1 0100111	
TRIM5 alleles ²		TEP/TEP	TEP/TEP	TEP/O	TEP/TEP	O/Cym	TEP/TEP	TEP/TEP	_
TIMINIS and		Mamu1/1	Mamu1/3	Mamu1/5	Mamu1/1	Q/Cyp Mamu 5/7	Mamu1/1	Mamu1/3	
		Ivianu 1/1	Wiamu1/5	Ivrainu 1/5	Iviana 1/1	Wianu 3/7	Ivrainu 1/1	Wiamu 1/5	_
Non-contro	llers								
Animal#		Mm0409	Mm0518	Mm0304	Mm0513		Mm0307		Hanlatynas
MHC-1 ¹	maior A	A1*10701	A1*560202	A1*01807	A1*01807		A1*02806		h
	ingerri	A1*560202		A1*00802	A1*02603		A1*10502		σ
	minor A		A2*0503	A2*0103	A2*0103		A2*0511		d
				A4*1403	A4*1403				93-06F1-2
	major B	B*1601N	B*7702	B*0101	B*0101		B*9601N		p
		B*4615N1		B*0702	B*0702		B*6601		a
		I*0106N1			I*0106N4				s
	minor B	B*02N	I*0107						
		B*6001N							
		I*0106N5							
		B*0201							
TRIM5 alleles ²		TFP/TFP	TFP/TFP	TFP/TFP	TFP/TFP		not determined		
		Mamu3/3	Mamu1/3	Mamu3/3	Mamu3/3				
¹ MHC-1 ba	nlotynes as re	norted (Naruse (et al. 2010. Imm	unogenetics 62	601_11)				

¹MHC-1 haplotypes as reported (Naruse et al. 2010. Immunogenetics. 62:601–11) ²TRIM5 alleles as reported (Wilson et al. 2008. J.Virol. 83:7243): Mamu1 to 3 encodes TFP; Mamu 4 to 6 encodes Q; Mamu7 encodes Cyp.

Supplemental Fig.1



Vaccination and Challenge Infections

Timeline of the vaccination (100 TCID₅₀) and challenge infection with SIVmac239 (1000 TCID₅₀) and SIVsmE543-3 (1000 TCID₅₀) are shown. The monkeys Mm0301, Mm0409, and Mm0517 were vaccinated with Δ 5G, the monkeys Mm0303, Mm0511, and Mm0513 were vaccinated with Δ 5GV1, the monkeys Mm0307, Mm0512, and Mm0518 were vaccinated with Δ 5GV2. Mm0304, Mm0515, and Mm0516 were vaccinated with Δ 3G. Four vaccinees (Mm0301, Mm0513, Mm0307, and Mm0304) were challenged with SIVmac239 at 40 weeks post-vaccination. All vaccinees (except Mm0307 who died with a cause unrelated to SIV infection), were challenged with a heterologous SIVsmE543-3. Mm0517 (Δ 5G), Mm0511 (Δ 5GV1), and Mm0512 (Δ 5GV2) were challenged at 50 wpv; Mm0409 (Δ 5G), Mm0303 (Δ 5GV1), and Mm0518 (Δ 5GV2) were challenged at 61 wpv; Mm0515 (Δ 3G), Mm0516 (Δ 3G) and three of SIVmac239-challenged animals (Mm0301, Mm0513 and Mm0304) were challenged at 117 wpv.

Supplemental Fig. 2



To see the effects of vaccination on IL-15 responding effector cells, the levels of CD107a expressing CD8+T and NK cells in PBMCs from the vaccinees collected between pre-vac. and 35 wpv were examined by the ex-vivo assay. Whereas increases of the IL-15 responding NK cells were observed in the two vaccinees (Mm0301, Mm0516) that had NK specific responses following the challenge, the similar effect was not observed in the remaining controllers (Supplemental Fig. 3). The levels of the non-controllers were remained low at 15 wpv. Vaccination elicits vaccine specific cellular and humoral responses. However, vaccine may not influence on the levels of IL-15 responding cells because they are regulated by the innate immune cells such as monocytes and DCs (Fig.5).