

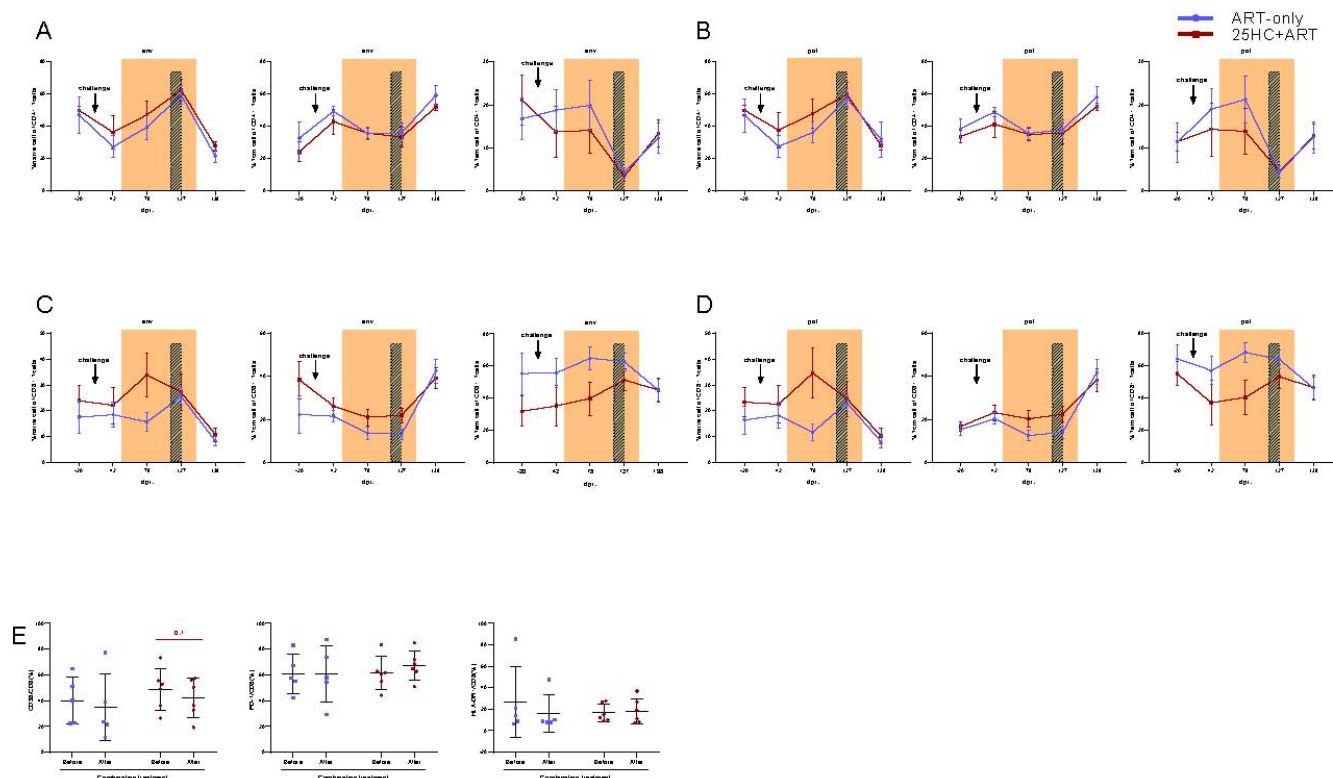
Electronic Supplementary Material

Modulation of Antiviral Immunity and Therapeutic Efficacy by 25-hydroxycholesterol in Chronically SIV-infected, ART-treated Rhesus Macaques

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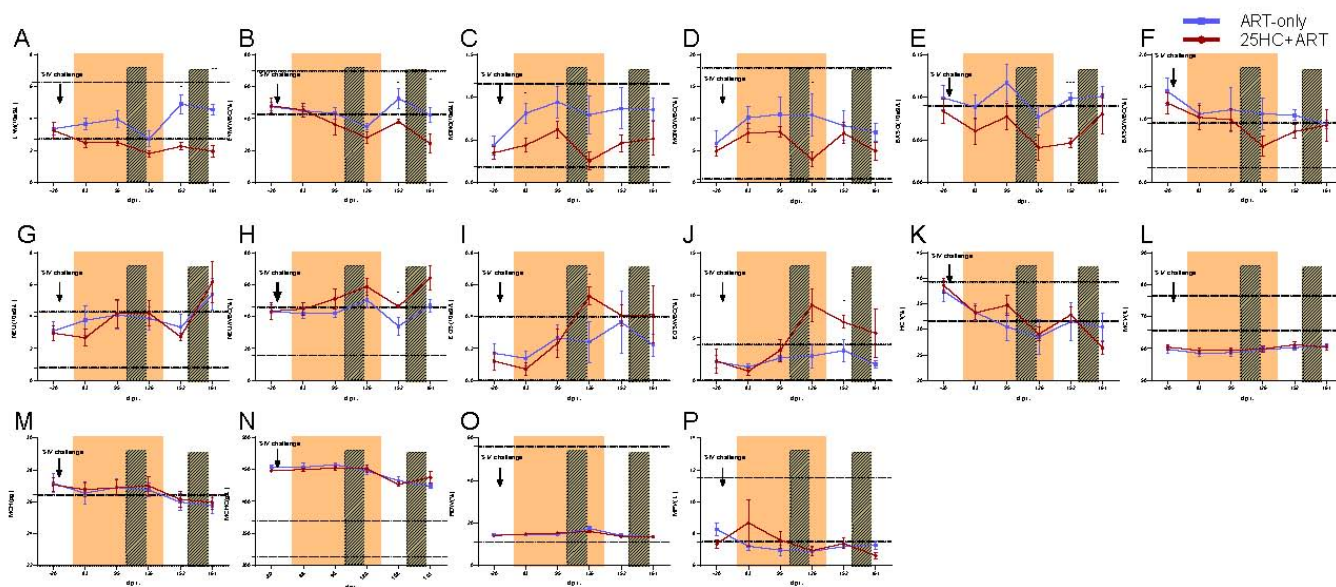


Fig. S2. Complete blood count of rhesus macaques during this study. **A** Lymphocyte (LYM) content in the blood. **B** Ratio of LYM to WBC in blood. **C** Monocyte (MONO) content in the blood. **D** Ratio of MONO to WBC in the blood. **E** Ratio of neutrophil (NEU) to WBC in the blood. **F** Ratio of basophil (BASO) to WBC in the blood. **G** NEU content in the blood. **H** Ratio of NEU to WBC in the blood. **I** Eosinophil (EOS) content in the blood. **J** Ratio of EOS to WBC in the blood. **K** Hematocrit (HCT) content in the blood. **L** Mean corpuscular volume (MCV) content in the blood. **M** Mean corpuscular hemoglobin (MCH) content in the blood. **N** Mean corpuscular hemoglobin concentration (MCHC) content in the blood. **O** Red cell distribution width (RDW) content in the blood. **P** Mean platelet volume (MPV) content in the blood. *P* values were obtained from unpaired *t* test analysis. All averaged data are presented as the mean \pm SEM. (* $P < 0.05$, ** $P < 0.01$)

Table S1. Information of the fluorescent monoclonal antibodies used in this study

Antigen	Clone	Fluorophore	Supplier	Staining	Reactivity
CD3	SP34-2	Pacific Blue	BD Biosciences	Surface	Human/NHP
CD3	SP34-2	PerCP	BD Biosciences	Surface	Human
CD4	L200	PE-CF594	BD Biosciences	Surface	Human
CD4	L200	FITC	BD Biosciences	Surface	Human
CD4	L200	APC	BD Biosciences	Surface	Human
CD8	RPA-T8	APC-Cy7	BD Biosciences	Surface	Human
CD28	CD28.2	FITC	BD Biosciences Biosciences	Surface	Human/NHP
CD95	DX2	PE-Cy5	BD Biosciences	Surface	Human
IFN- γ	4S.B3	PE	BD Biosciences	Intracellular	Human
TNF- α	MAb11	PE-Cy7	BD Biosciences	Intracellular	Human
IL-2	MQ1-17H12	APC	BD Biosciences	Intracellular	Human/NHP
CD38	H1T2	FITC	BD Biosciences	Surface	Human
CD195(CCR5)	3A9	PE	BD Biosciences	Surface	Human
CD69	FN50	PE	BD Biosciences	Surface	Human
Ki67	B56	PE	BD Biosciences	Intracellular	Human
CD25	CD25-4E3	APC	eBioscience	Surface	Human/NHP
CD279(PD-1)	eBioJ105(J105)	PE-eFluor610	eBioscience	Surface	Human
HLA-DR	G46-6	PE	BD Biosciences	Surface	Human

Table S2. Information of the primers used in this study

Target gene	Primer sequence (5' to 3')
SIV gag RNA	Forward: AATACTGTCTGCGTCATCTGG Reverse: ATGGTGCTGTTGGTCTACTTG

Table S3. Absolute CD4 and CD8 T cell counts of RMs in this study

Groups	Before treatment (numbers/ μ L)		After treatment (numbers/ μ L)	
	CD4	CD8	CD4	CD8
25HC + ART	1337	934	1332	873
	1684	891	1448	658
	1308	585	1238	920
	948	929	418	516
	609	469	2015	1612
ART-only	1130	638	1415	842
	2188	1206	2520	1295
	1072	1141	1598	1982
	1405	1001	1470	776
	939	1471	2359	5147
	1402	6186	1317	2857