

Supplemental Methods

Env Sequencing

SHIV envelope was sequenced by single genome amplification as previously described in (1). In brief, viral RNA was isolated from blood plasma using QIAmp Viral RNA Mini Kit (Qiagen), and cDNA was generated using SuperScript IV reverse transcriptase (ThermoFisher) and the gene specific primer 5'-TGTAATAAATCCCTTCCAGTCCCCC-3'. cDNA was subjected to limiting dilution PCR such that each reaction contained a single viral cDNA template as determined by Poisson statistics (2, 3). Nested PCR was performed to amplify the entire env gene using gene specific primers (round 1 (5'-CCTCCCCCTCCAGGACTAGC-3') and (5'-TGTAATAAATCCCTTCCAGTCCCCC-3'); round 2 (5'-GACCTCCAGAAAATGAAGGACCAC-3') and (5'-ATGAGACATRTCTATTGCCAATTTGTA-3') and Platinum Taq High Fidelity Polymerase (ThermoFisher) per manufacturer's instructions. PCR amplicons were visualized by gel electrophoresis and correctly sized amplicons were sequenced directly with BigDye Terminator technology (ThermoFisher) and Sanger sequencing using HIV env specific primers. Resultant chromatograms were manually examined using Sequencher (GeneCodes) software, and sequences determined to have derived from the presence more than one viral template in the PCR were removed from the resultant dataset.

Cell Preparation for SHIV 5T-IPDA Assay

CD4⁺ cells were isolated by bead-based positive selection (Stemcell Technologies, Vancouver, Canada) from leukapheresis samples collected at 2 time-points before and after treatment with the candidate anti-HIV effector and latency reversal therapies. The pre-and post-treatment leukapheresis collections occurred 18-22 and 69-73-weeks following ART initiation, respectively. The post-treatment samples were collected no sooner than 6 weeks following the end of the reservoir targeting phase and 1-3 weeks prior to ART treatment interruption (ATI). Where there was sufficient leukapheresis product available, triplicate CD4 cell purifications were performed. Quantities were verified using an automated cell counter (Cat. No AMQAF1000, Thermo Fisher Scientific, Waltham, MA). Flow cytometry was used to confirm the purity (>95%) of each CD4⁺ cell product.

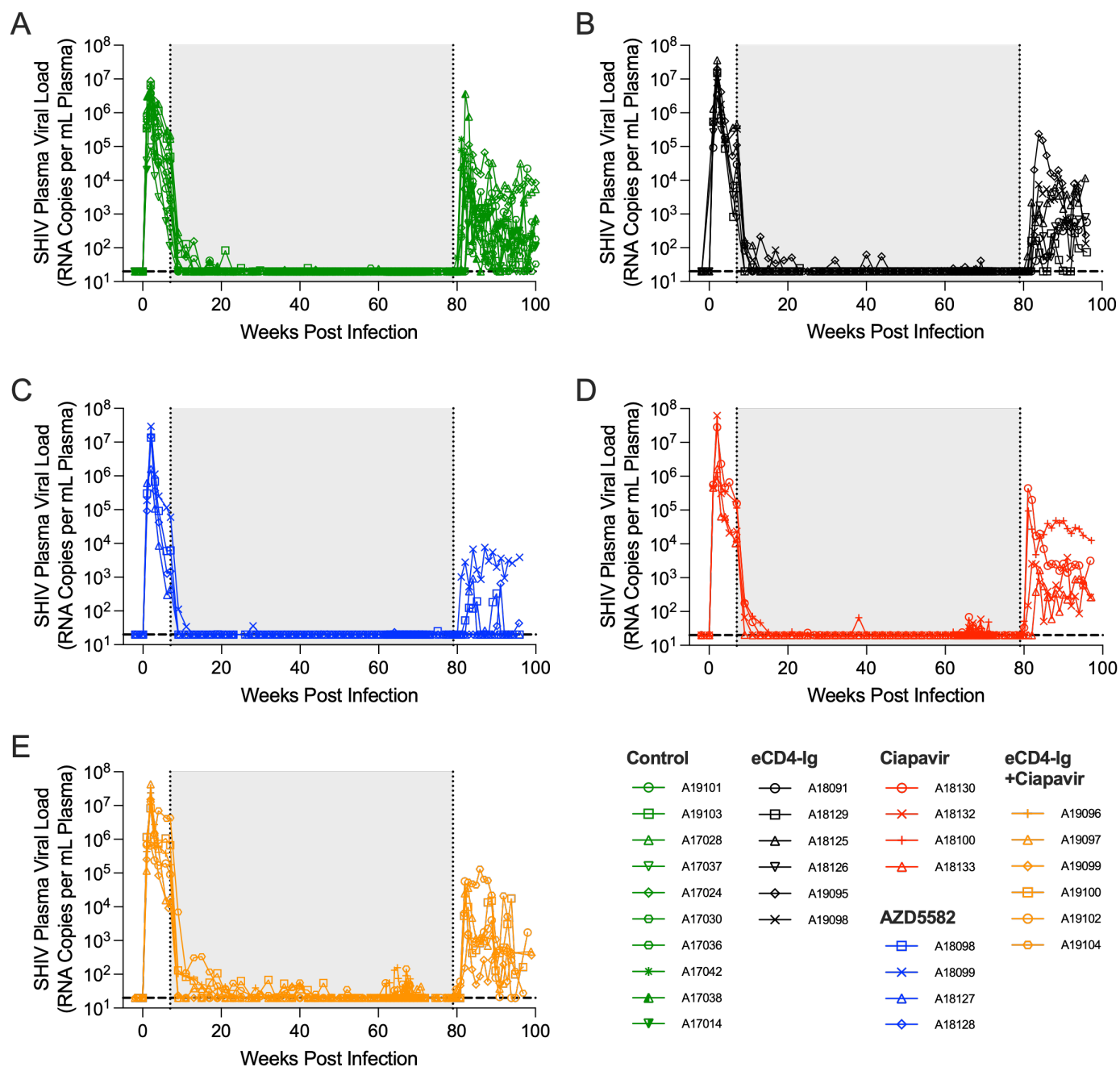
Nucleic Acid Extraction for SHIV 5T-IPDA Assay

Following CD4 isolations, genomic DNA (gDNA) was extracted using a previously published method (4), restriction enzyme-digested, and ethanol precipitated. The extraction method was optimized for an IPDA-specific process to minimize the shearing of gDNA. Briefly, 100 µl of 3 M guanidine HCl and 20 µL of Proteinase K (Cat. No. 19134, Qiagen, Hilden, Germany) was added to pellets containing 2-3 million cells, inverted 5 times, and incubated on a heat block at 56 °C for 1 h. Next, 400 µl of 6 M guanidinium isothiocyanate was added, inverted gently to mix, and incubated at 56 °C for 10 min. To precipitate gDNA, 500 µl of 100% isopropanol was added, tubes were inverted 10 times, and samples were centrifuged at 21000 x g for 10 min. Supernatants were carefully removed leaving gDNA pellets and approximately 100 µl of isopropanol; pellets were then washed with 1000 µl of 70% ethanol, inverted 10 times, and centrifuged again at 21000 x g for 3 min. The supernatant was completely removed by pipetting without disturbing the pellet, spun down at 21000 x g for 2 min to remove any residual supernatant, then air dried for 5 min. The gDNA pellets were eluted in 300 µl elution buffer (Cat. No. 19086, Qiagen), incubated at 60 °C for 1 hr then incubated at room temperature (RT) overnight. Restriction enzyme digestion of the genomic DNA was completed to aid in efficient dPCR droplet formation. The *Bgl*I recognition sequence targets outer regions of sites containing integrated SHIV genomes and reference DNA sequences (5). Thirty-five microliters of 10x 3.1 buffer and 13.2 µl *Bgl*I enzyme (Cat No. R0143L, NEB) were added to each tube and inverted to mix. Samples were incubated overnight in a shaking thermomixer at 37 °C at 300 RPM. An additional 5 µl of *Bgl*I enzyme was subsequently added and incubation was repeated for 1 hr. An ethanol-based precipitation protocol was applied to purify digested gDNA (6). Briefly, 35 microliters of 3 M sodium acetate and 766 µl of 100% ice-cold ethanol were added to each sample, mixed by inverting, and incubated on ice for 30 min, inverting the tubes every 10 min. After centrifuging at 21000 x g for 10 min, supernatants were removed to 100 µl volume, 1000 µl of 70% ethanol was added, and tubes were centrifuged at 21000 x g for 3 min. The supernatant was completely removed, and the cell pellet was air dried for 5 min. Digested gDNA was eluted with 50 µl of elution buffer, incubated at 60 °C for 1 hr, then incubated overnight at RT. DNA concentration was measured using a nanodrop (Cat. No. NDNDLUSCAN, Thermo Scientific), aiming for concentrations between 200-300 ng per µl. If gDNA concentration was >300 ng, a repeated *Bgl*I digest and ethanol precipitation was performed.

SHIV 5T-IPDA Assay Digital PCR and Data Analysis

Quantitation of intact proviral DNA copies was established by creating a multiplexed assay, which can simultaneously measure 5 target regions within the SHIV genome [Group-specific antigen (gag), long-terminal repeat (LTR), envelope (env), polymerase (pol), and trans-activator of transcription (tat)]. DNA was assayed using the primer/probe sequences listed in **Supplemental Table 3**, which were designed comparatively to an in-house HIV IPDA dPCR assay. Droplets that were quintuple positive for all 5 targets were accepted as intact proviruses. To account for undercounting of intact proviral DNA due to DNA shearing during the extraction process (5), a reference assay was developed to target the Macaque RNase P p30 gene (MRPP30), a highly conserved housekeeping gene. 5'MRPP30 and 3'MRPP30 targets were spaced ~11 kbp apart to approximate the length of intact SHIV proviral genomes. Double positive droplets were accepted as intact DNA. Probability of template shearing was calculated using a DNA shearing index (DSI) against single and double-positive droplets for correction and accuracy of measuring intact DNA. CD4⁺ T-cell DNA was distinguished from non-CD4⁺ T-cell DNA by using an MDeltaD assay to amplify a gene that is excised during receptor gene rearrangement in maturing T-cells (5). Total cell copies in each sample were subtracted from non-T-cell copies and normalized to 1 million T-cells per reaction. Droplet PCR was performed on the Bio-Rad QX600 Droplet Digital PCR System for target detection, using manufacturer supplied materials and ddPCR 4x multiplex supermix (Cat. No. 12005911, Bio-Rad, Hercules, CA). For SHIV proviral reactions, 10 µl of DNA was aliquoted into each reaction well with a total volume of 25 µl and each sample was run in triplicate wells to ensure consistent quantitation. Replicate wells were merged during analysis to create a dynamic range of values. For reference reactions measuring DNA shearing, extracted DNA was diluted 1:50 and ran in a single-well reaction per sample. Each type of reaction ran on the same plate simultaneously. PCR was performed with the following settings: 95 °C for 10 min, 40 cycles of: 94 °C for 30 sec, 60 °C for 1 min, and 98 °C for 10 min with a 2 °C ramp rate. Uninfected CD4⁺ T-cells were processed in parallel, and the extracted DNA was used as a negative control along with commercially isolated rhesus macaque genomic DNA (Cat. No. D1534999-G01, BioChain, Newark, CA), and NTC replicate wells to confirm no PCR contamination. Positive controls consisted of a linearized plasmid containing all 5 SHIV targets, spiked with commercial rhesus macaque background DNA and a secondary positive control made of 5 individual gBlocks of the same concentration, representing each SHIV target. During analysis, controls were used for setting a threshold and each target was set at an individual threshold and kept consistent to avoid inter-assay variation. Each of the singlicate, duplicate, or triplicate CD4 purifications (replicates based on leukapheresis cell yield) were amplified in triplicate wells in the IPDA dPCR assay. If the accepted droplet count was lower than 10,000 for 1 or 2 wells, the values were excluded but the values for the remaining wells of the sample were considered. If all 3 triplicate wells were below 10,000 droplets, the corresponding CD4-purified sample was wholly excluded. Omitted data points either correspond to failed/inefficient leukapheresis (insufficient cells available for analysis) or failed dPCR due to suboptimal droplet formation. Values represent the average of triplicate wells for a single CD4 purification and an average of up to 3 technical replicate CD4 purifications per animal per time point. Data is plotted as intact SHIV provirus copies per Million CD4⁺ PBMC and for animals with both pre- and post-treatment values as the log₁₀ ratio of those values.

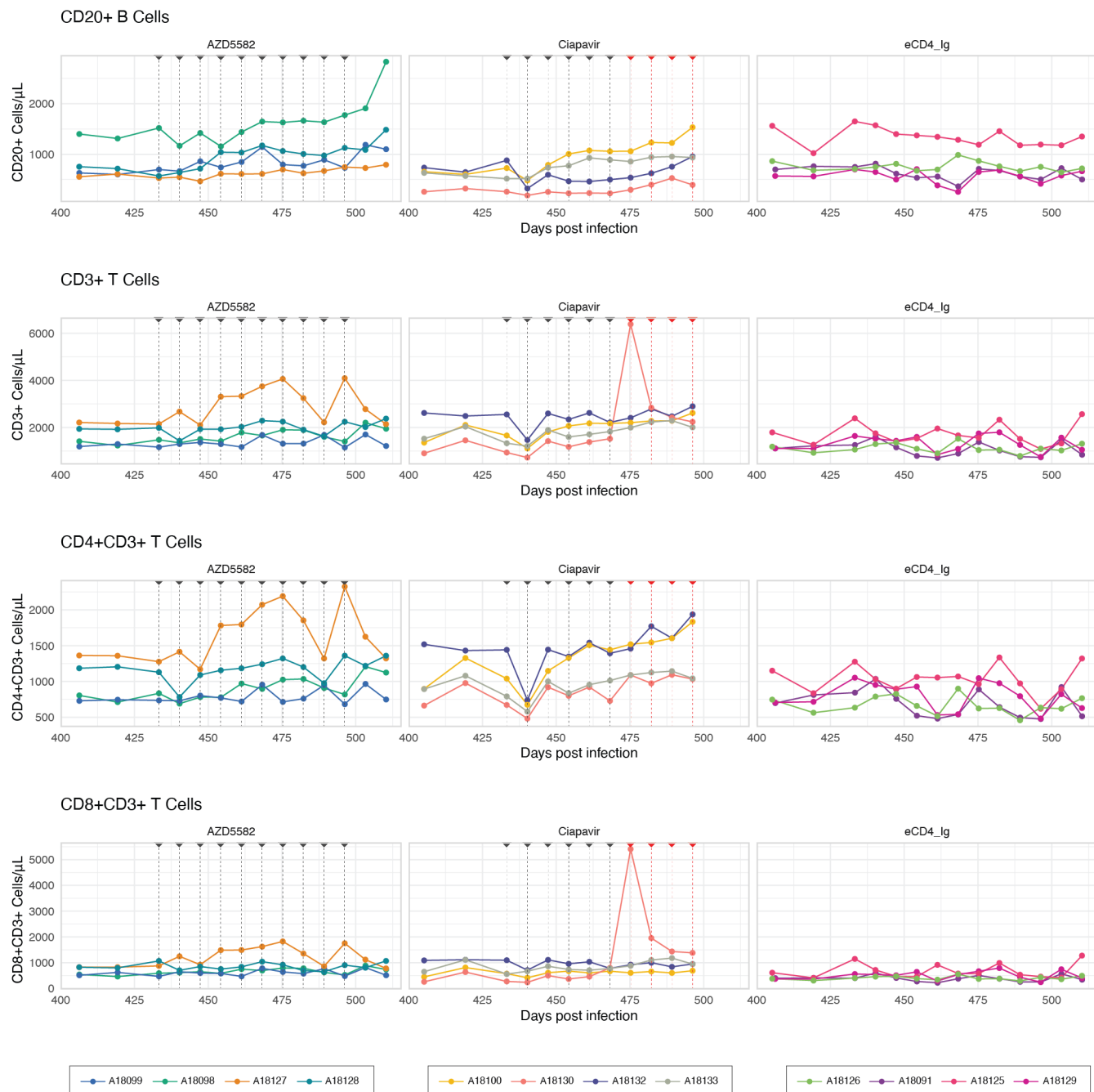
Supplemental Figures



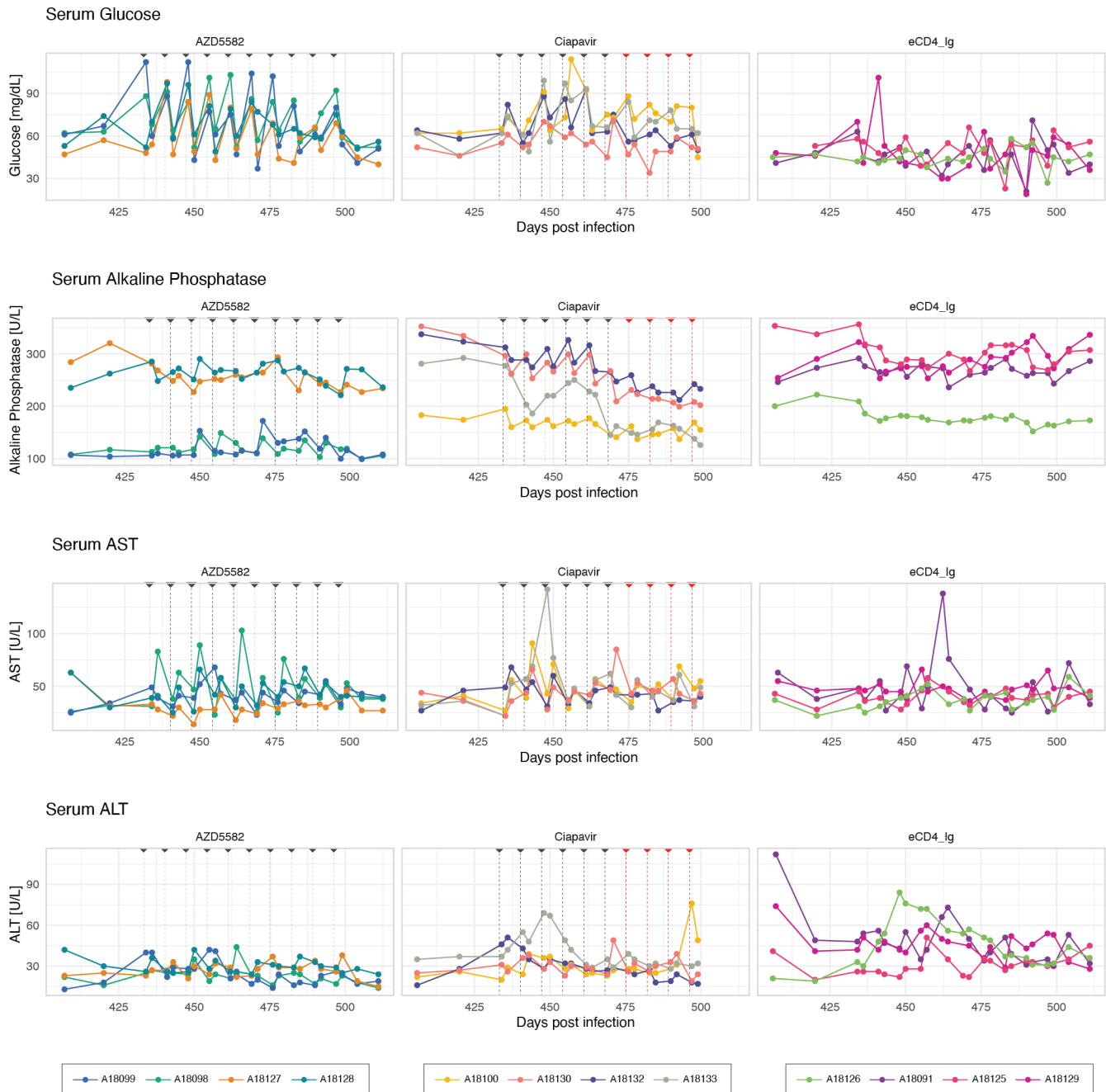
Supplemental Figure 1: Plasma viral load in SHIV-infected animals treated with ART only (negative control) **(A)**, eCD4-Ig **(B)**, AZD5582 **(C)**, Ciapavir **(D)**, or Ciapavir in combination with eCD4-Ig **(E)**. Dotted vertical lines indicate start and end of ART, and area shaded in gray represents the period of ART administration. The level of quantification (LOQ) is indicated by a black dashed line.



Supplemental Figure 3: Complete blood counts (CBC) were conducted at the day of LRA administration and 2 days post dosing. LRA administration is indicated by grey triangles/lines. Red triangles/lines represent LRA administration to animals A18100 and A18133 only (see Figure 6).



Supplemental Figure 4: Lymphocyte subset analyses were conducted on the day of LRA administration. LRA administration is indicated by grey triangles/lines. Red triangles/lines represent LRA administration to animals A18100 and A18133 only (see Figure 6).



Supplemental Figure 5: Serum chemistry measurements for comparison to ((7)), conducted on the day of LRA administration and 2 days post dosing. LRA administration is indicated by grey triangles/lines. Red triangles/lines represent LRA administration to animals A18100 and A18133 only (see Figure 6).

Animal ID	Total Sequences	Apex				Base of V3 Loop								V3 Crown				CD4 Binding Loop							V4 Region						
		K168	K169	Q170	K171	T297	R298	P299	N300	N301	N302	T303	R304	K305	G312	P313	G314	Q315	S364	S365	G366	G367	D368	L369	E370	F382	F383	Y384	C385	N386	T387
eCD4-Ig																															
A19095	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A19098	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
eCD4-Ig + Clapavir																															
A19097	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A19100	37	0	0	0	0	0	0	5.4	0	0	0	0	0	0	0	0	2.7	8.1	0	0	0	0	0	0	0	0	0	0	0	2.7	0
A19102	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A19104	28	0	0	3.6	0	0	0	0	0	0	0	0	0	0	0	0	3.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Control																															
A19101	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0
A19103	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	0

Supplemental Figure 6: SHIV-1157ipd3N4 Env sequence analysis after viral rebound. Full-length SHIV-1157ipd3N4 Env sequences from eight rhesus macaques were analyzed after viral rebound post-analytical treatment interruption (ATI). Treatment groups from which sequences were derived are indicated for each animal. Regions of interest based on previously identified resistance mutations to rh-eCD4-Ig are highlighted with numbered amino acid positions. Amino acid change frequencies are represented for each position based on the total number of Env sequencing reads obtained. Color coding indicates conservation relative to the wild-type SHIV-1157ipd3N4 Env sequence, where blue represents high conservation and red represents low conservation (higher mutation frequency).

Supplemental Tables

Study Group	ID	Sex
eCD4-Ig	A18091	M
	A18129	F
	A18125	F
	A18126	F
	A19095	M
	A19098	M
Ciapavir	A18130	M
	A18132	M
	A18100	M
	A18133	M
AZD5582	A18098	M
	A18099	M
	A18127	F
	A18128	F
eCD4-Ig + Ciapavir	A19100	M
	A19096	M
	A19097	M
	A19102	M
	A19104	M
	A19099	M
Control	A19101	M
	A19103	M
	A17028	M
	A17024	M
	A17036	M
	A17038	M
	A17037	M
	A17030	M
	A17042	M
	A17014	M

Supplemental Table 1: Study groups of rhesus macaques

A19095 eCD4-Ig

SHIV1157		MRVKEKYQHLWRGWRWGIM	LLGMLMICSASEKLWVTVYY	GVPVWKEAKTTLFCASNKA	YEKEVHNIWATHACVPTDPN	PQEIVLGNVTENFNMWKNDM	100
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A19095.DAY_552.PlasmacDNA.P4B21	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B22	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B23	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B24	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C1	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C2	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C3	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C4	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C5	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C6	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C9	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C10	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C11	-----	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C12	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P3A13	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P3B23	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4C9	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D6	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D7	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D24	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4E7	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4E15	-----	-----	-----	-----	-----G-----	-----
A19095.DAY_657.PlasmacDNA.P4F6	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4H2	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4H7	-----	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4H8	-----	-----	-----	-----	-----	-----
SHIV1157	TIPCRIKIQIINMWQEVGRAM	YAPPIEGNITCKSNITGLLL	VRDGGWDNSTNDTETFRPGG	GDMRDNWRSELYKYKVVEVK	PLGIAPTKAKRRVVEREKRA	500
A19095.DAY_552.PlasmacDNA.P4B5	-----	-----G-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B6	-----	-----G-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B7	-----	-----G-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B8	-----	-----G-----	-----	-----	-----	-----
A19095.DAY_5						

[illegible]

A19095.DAY_552.PlasmacDNA.P4C12	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P3A13	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P3B23	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4C9	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D6	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D7	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D24	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4E7	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4E15	-----	-----	-V-----	-----	I-----	-----
A19095.DAY_657.PlasmacDNA.P4F6	-----	-----	-V-----	-----	-A-----	-R-----
A19095.DAY_657.PlasmacDNA.P4H2	-----	-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4H7	-----	-E-----	-V-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4H8	-----	-----	-V-----	-----	-----	-----

SHIV1157	SLLNATAIAVRQYGWSYFHE	AVQAVVRSATETLAGAWGDL	WEILRRGGRWILAIPRRIQ	GLELTL*	868
A19095.DAY_552.PlasmacDNA.P4B5	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B6	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B7	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B8	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B9	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B10	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B12	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B13	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B14	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B16	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B18	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B19	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B20	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B21	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B22	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B23	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4B24	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C1	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C2	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C3	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C4	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C5	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C6	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C9	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C10	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C11	-----	-----	-----	-----	-----
A19095.DAY_552.PlasmacDNA.P4C12	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P3A13	-----	-----	--T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P3B23	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4C9	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D6	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D7	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4D24	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4E7	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4E15	-----	-----	-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4F6	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4H2	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4H7	-----	-----	-T-----	-----	-----
A19095.DAY_657.PlasmacDNA.P4H8	-----	-----	-T-----	-----	-----

A19097 eCD4-Ig+Ciapavir

SHIV1157	MRVKEKYQHLWRWGRWGM	LLGMLMICSASEKLWTVVY	GVPVWKEAKTTLFCASNAKA	YEKEVHNIWATHACVPTDPN	PQEIVLGNVTENFNMWKNDM	100
A19097.DAY_574.PlasmacDNA.P4A3	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A4	-----	-----	-----	D-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A7	-----	-----	-----	-R-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A8	-----	-----	-----	-R-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A9	-----	-----	-----	D-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A10	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A11	-----	-----	-----	D-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A13	-----	--I-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A14	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A15	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A16	-----	--M-----	-----	D-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A17	-----	-----	-----	-R-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A18	-----	-----	-----	I-----	D-----	-----
A19097.DAY_574.PlasmacDNA.P4A20	-----	--M-----	-----	D-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A21	-----	-----	-----	D-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A22	-----	---E-----	-----	D-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A23	-----	-----	-----	D-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B1	-----	-----	-----	-----	-R-----	-----
A19097.DAY_574.PlasmacDNA.P4B2	-----	-----	-----	-----	S-----	-----
A19097.DAY_574.PlasmacDNA.P4B3	-----	-----	-----	-----	D-----	-----
A19097.DAY_574.PlasmacDNA.P4B4	-----	-----	-----	-----	-----	-----

SHIV1157	VDQMHEDIISLWDQSLKPCV	KLTSLCVTLKCSNFTGKSNV	TYKGDMEVKNCFSNVTTTEIR	DKKQKVYALFYRLDITPLDD	NSSEYILINCNSSTITQACP	200
A19097.DAY_574.PlasmacDNA.P4A3	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A4	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A7	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A8	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A9	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A10	-----	-----	-----	-----	-R-----	-----
A19097.DAY_574.PlasmacDNA.P4A11	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A13	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A14	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A15	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A16	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A17	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A18	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A20	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A21	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A22	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A23	-----	-----	-----	-----	-R-----	-----
A19097.DAY_574.PlasmacDNA.P4B1	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B2	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B3	-----	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B4	-----	-----	-----	-----	-----	-----

SHIV1157	KVNFDPIPIHYCAPAGYAIL	KCNNKTFNGTGPCHNVTVQ	CTHGIKPVVSTQLLNGSLA	EGEIIIRSENLTDNVKTIIV	HFNESVEITCTRPNNNTRKS	300
A19097.DAY_574.PlasmacDNA.P4A3	-----	-----	-----	-----	-----	-----

A19097.DAY_574.PlasmacDNA.P4A4	-----				
A19097.DAY_574.PlasmacDNA.P4A7	-----R-----				
A19097.DAY_574.PlasmacDNA.P4A8	-----				
A19097.DAY_574.PlasmacDNA.P4A9	-----				
A19097.DAY_574.PlasmacDNA.P4A10	-----				
A19097.DAY_574.PlasmacDNA.P4A11	-----				
A19097.DAY_574.PlasmacDNA.P4A13	-----			K-----	
A19097.DAY_574.PlasmacDNA.P4A14	-----				
A19097.DAY_574.PlasmacDNA.P4A15	-----				
A19097.DAY_574.PlasmacDNA.P4A16	-----				
A19097.DAY_574.PlasmacDNA.P4A17	-----				
A19097.DAY_574.PlasmacDNA.P4A18	-----				
A19097.DAY_574.PlasmacDNA.P4A20	-----				
A19097.DAY_574.PlasmacDNA.P4A21	-----				
A19097.DAY_574.PlasmacDNA.P4A22	-----				
A19097.DAY_574.PlasmacDNA.P4A23	-----				
A19097.DAY_574.PlasmacDNA.P4B1	-----				
A19097.DAY_574.PlasmacDNA.P4B2	-----				
A19097.DAY_574.PlasmacDNA.P4B3	-----				
A19097.DAY_574.PlasmacDNA.P4B4	-----				

SHIV1157	ISIGPGQAIYATGDIIGDIR	QAHCNISKENWNKTLQWVRG	KLKEHFPNKTIVFKPSSGGD	LEITTHSFNCRGEFFYCNTS	KLFNSTDNSTHMGTECNTII	400
A19097.DAY_574.PlasmacDNA.P4A3	-----					
A19097.DAY_574.PlasmacDNA.P4A4	-----					
A19097.DAY_574.PlasmacDNA.P4A7	-----					
A19097.DAY_574.PlasmacDNA.P4A8	-----					
A19097.DAY_574.PlasmacDNA.P4A9	-----					
A19097.DAY_574.PlasmacDNA.P4A10	-----					
A19097.DAY_574.PlasmacDNA.P4A11	-----					
A19097.DAY_574.PlasmacDNA.P4A13	-----					
A19097.DAY_574.PlasmacDNA.P4A14	-----					
A19097.DAY_574.PlasmacDNA.P4A15	-----					
A19097.DAY_574.PlasmacDNA.P4A16	-----G-----					
A19097.DAY_574.PlasmacDNA.P4A17	-----					
A19097.DAY_574.PlasmacDNA.P4A18	-----					
A19097.DAY_574.PlasmacDNA.P4A20	-----					
A19097.DAY_574.PlasmacDNA.P4A21	-----					
A19097.DAY_574.PlasmacDNA.P4A22	-----					
A19097.DAY_574.PlasmacDNA.P4A23	-----					
A19097.DAY_574.PlasmacDNA.P4B1	-----					
A19097.DAY_574.PlasmacDNA.P4B2	-----					
A19097.DAY_574.PlasmacDNA.P4B3	-----					
A19097.DAY_574.PlasmacDNA.P4B4	-----					

SHIV1157	TIPCRIKQIINMWQEVGRAM	YAPPIEGNITCKSNITGLLL	VRDGGWDNSTNDTETFRPGG	GDMRDNRSELYKYKVVEVK	PLGIAPTAKARRVVEREKRA	500
A19097.DAY_574.PlasmacDNA.P4A3	-----R-----					
A19097.DAY_574.PlasmacDNA.P4A4	-----					
A19097.DAY_574.PlasmacDNA.P4A7	-----					
A19097.DAY_574.PlasmacDNA.P4A8	-----					
A19097.DAY_574.PlasmacDNA.P4A9	-----					
A19097.DAY_574.PlasmacDNA.P4A10	-----R-----					
A19097.DAY_574.PlasmacDNA.P4A11	-----					
A19097.DAY_574.PlasmacDNA.P4A13	-----					
A19097.DAY_574.PlasmacDNA.P4A14	-----R-----					
A19097.DAY_574.PlasmacDNA.P4A15	-----			N-----		
A19097.DAY_574.PlasmacDNA.P4A16	-----					
A19097.DAY_574.PlasmacDNA.P4A17	-----					
A19097.DAY_574.PlasmacDNA.P4A18	-----					
A19097.DAY_574.PlasmacDNA.P4A20	-----					
A19097.DAY_574.PlasmacDNA.P4A21	-----					
A19097.DAY_574.PlasmacDNA.P4A22	-----					
A19097.DAY_574.PlasmacDNA.P4A23	-----					
A19097.DAY_574.PlasmacDNA.P4B1	-----					
A19097.DAY_574.PlasmacDNA.P4B2	-----					
A19097.DAY_574.PlasmacDNA.P4B3	-----R-----					
A19097.DAY_574.PlasmacDNA.P4B4	-----					

SHIV1157	VGIGAVFLGFLGAAGSTMGA	ASITLTVQARQLLSGIVQQQ	DNLLRAIEAQQHMLQLTVWG	IKQLQARVLAIERYLQDQQL	LGIWGCSGKLICTTAVPWND	600
A19097.DAY_574.PlasmacDNA.P4A3	-----					
A19097.DAY_574.PlasmacDNA.P4A4	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A7	-----	T-----		V-----		
A19097.DAY_574.PlasmacDNA.P4A8	-----	T-----		V-----		
A19097.DAY_574.PlasmacDNA.P4A9	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A10	-----					
A19097.DAY_574.PlasmacDNA.P4A11	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A13	-----			M-----	T-----	
A19097.DAY_574.PlasmacDNA.P4A14	-----					
A19097.DAY_574.PlasmacDNA.P4A15	-----					
A19097.DAY_574.PlasmacDNA.P4A16	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A17	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A18	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A20	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A21	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A22	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4A23	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4B1	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4B2	-----					
A19097.DAY_574.PlasmacDNA.P4B3	-----			V-----		
A19097.DAY_574.PlasmacDNA.P4B4	-----					

SHIV1157	SWSNKSQTDIENMTIWQWD	REISRHTDTIYRLLEDNQ	QEKNEKDLLALDSWKNLWNW	FSITRWLWYIKIFIMIVGGL	IGLRIIFAVLSIVNRVRQGY	700
A19097.DAY_574.PlasmacDNA.P4A3	-----					
A19097.DAY_574.PlasmacDNA.P4A4	-----					
A19097.DAY_574.PlasmacDNA.P4A7	-----					
A19097.DAY_574.PlasmacDNA.P4A8	-----					
A19097.DAY_574.PlasmacDNA.P4A9	-----					
A19097.DAY_574.PlasmacDNA.P4A10	-----					
A19097.DAY_574.PlasmacDNA.P4A11	-----					
A19097.DAY_574.PlasmacDNA.P4A13	-----					
A19097.DAY_574.PlasmacDNA.P4A14	-----					
A19097.DAY_574.PlasmacDNA.P4A15	-----					
A19097.DAY_574.PlasmacDNA.P4A16	-----					
A19097.DAY_574.PlasmacDNA.P4A17	-----					
A19097.DAY_574.PlasmacDNA.P4A18	-----					
A19097.DAY_574.PlasmacDNA.P4A20	-----			N-----		

A19097.DAY_574.PlasmacDNA.P4A21	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A22	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A23	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B1	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B2	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B3	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B4	-----	-----	-----	-----	-----
SHIV1157	SPLSFQTHLPLPRGADRPEG	IEEEGGERDRDRSIRLVTGS	LALIWDLRLSLCLFSYHRLR	LLLLIVTRTVELLGRRGWEA	LKYWWNLLLYWSQELKNSAV
A19097.DAY_574.PlasmacDNA.P4A3	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A4	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A7	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A8	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A9	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A10	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A11	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A13	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A14	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A15	-----	-----	F-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A16	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A17	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A18	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A20	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A21	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A22	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A23	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B1	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B2	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B3	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B4	-----	-----	-----	-----	-----

SHIV1157	SLLNATAIAVRQYGWSYFHE	AVQAVWRSATETLAGAWGDL	WEILRRGGRWILAIIPRRIQ	GLELTLL*	868
A19097.DAY_574.PlasmacDNA.P4A3	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A4	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A7	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A8	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A9	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A10	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A11	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A13	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A14	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A15	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A16	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A17	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A18	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A20	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A21	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A22	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4A23	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B1	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B2	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B3	-----	-----	-----	-----	-----
A19097.DAY_574.PlasmacDNA.P4B4	-----	-----	-----	-----	-----

A19098 eCD4-Ig

SHIV1157	MRVKEKYQHLWRGWRWGIM	LLGLMLICSASEKLWVTVYY	GVFPVWKEAKTTLFCASNKA	YEKEVHNIWATHACVPTDPN	PQEIVLGNVTENFNMWKNDM	100
A19098.DAY_657.PlasmacDNA.P3C18	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3C19	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D8	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D12	-----N-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I9	-----	-----	-----	-----	-----I-----	-----
A19098.DAY_657.PlasmacDNA.P4I22	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J4	-----	-----	-----	-----	-----I-----	-----
A19098.DAY_657.PlasmacDNA.P4J11	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J14	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J17	-----T-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K1	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K7	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K9	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K11	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L2	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L9	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L15	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L20	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4M11	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4N2	-----	-----	-----	-----	-----I-----	-----
A19098.DAY_657.PlasmacDNA.P4O7	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O11	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O24	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P7	-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P18	-----	-----	-----	-----	-----	-----

SHIV1157	VDQMHEDIISLWDQSLKPCV	KLTSLCVTLKCSNFTGKSNV	TYKGDMEVKNCSEFNVTTTEIR	DKKQKVYALFYRLDITPLDD	NSSEYILINCNSSTITQACP	200
A19098.DAY_657.PlasmacDNA.P3C18	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3C19	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D8	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D12	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I9	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I22	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J4	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J11	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J14	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J17	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K1	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K7	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K9	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K11	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L2	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L9	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L15	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L20	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4M11	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4N2	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O7	A-----	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O11	A-----	-----	-----	-----	-----	-----

[illegible]

A19098.DAY_657.PlasmacDNA.P4N2	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O7	-----	-----G-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O11	-----	-----G-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O24	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P7	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P18	-----	-----	-----	-----	-----
SHIV1157	SWSNKSQTDIWENMTWQWD	REISRHTDTIYRLEDSQNQ	QEKNEKDLLALDSWKNLWNW	FSITRWLWYIKIFIMIVGGL	IGLRIIFAVLSIVNRVRQGY
A19098.DAY_657.PlasmacDNA.P3C18	-----	-----G-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3C19	-----	-----G-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D8	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D12	-----	---T-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I9	-----	-----G-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I22	-----	-----Y-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J4	-----D-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J11	-----	-----	---K-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J14	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J17	-----	-----Y-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K1	-----	-----N-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K7	-----	-----Y-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K9	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K11	-----	-----Y-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L2	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L9	-----	-----Y-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L15	-----	-----Y-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L20	-----	-----	-----R-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4M11	-----	-----N-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4N2	-----	-----G-----	-----	-----A-----	-----
A19098.DAY_657.PlasmacDNA.P4O7	-----	-----I-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O11	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O24	-----	-----Y-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P7	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P18	-----	-----Y-----	-----	-----	-----

SHIV1157	SPLSFQTHLPLPRGADRPEG	IEEEGGERDRDRSIRLVTGS	LALIWDRLRSLCLFSYHRLR	DLILLIVTRTVELLGRRGWEA	LKYWNWLLLYWSQELKNSAV
A19098.DAY_657.PlasmacDNA.P3C18	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3C19	-----	-----V-----	-----N-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D8	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D12	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I9	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I22	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J4	-----	-----V-----	-----I-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J11	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J14	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J17	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K1	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K7	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K9	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K11	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L2	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L9	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L15	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L20	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4M11	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4N2	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O7	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O11	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O24	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P7	-----	-----V-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P18	-----	-----V-----	-----	-----	-----

SHIV1157	SLLNATAIAVRQYGWSYFHE	AVQAVWRSATETLAGAWGDL	WEILRRGGRWILAIPRRIRQ	GLELTLL*	868
A19098.DAY_657.PlasmacDNA.P3C18	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3C19	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D8	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P3D12	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I9	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4I22	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J4	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J11	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J14	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4J17	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K1	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K7	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K9	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4K11	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L2	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L9	-----	-----G-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L15	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4L20	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4M11	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4N2	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O7	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O11	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4O24	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P7	-----	-----	-----	-----	-----
A19098.DAY_657.PlasmacDNA.P4P18	-----	-----	-----	-----	-----

A19100 eCD4-Ig+Ciapavir

SHIV1157	MRVKEKYQHLWRWGRWGRGIM	LLGMLMICSASEKLWVTVYV	GVPVWKEAKTTLFCASNAKA	YEKEVHNIWATHACVPTDPN	PQEIVLGNVTENFNMWKNNDM
A19100.DAY_573.PlasmacDNA.P4C13	-----	-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4C14	-----VV-----	-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4C15	-----	F-----N-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4C17	-----	F-----N-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4C19	-----	-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4C20	-----	-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4C21	-----	-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4C22	-----G-----	-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4D2	-----	-----V-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4D3	-----	-----V-----	-----	-----	-----
A19100.DAY_573.PlasmacDNA.P4D4	-----	-----	-----	-----	-----
A19100.DAY_650.PlasmacDNA.P4I2	-----	-----	-----	-----	-----
A19100.DAY_650.PlasmacDNA.P4I3	-----	-----	-----	-----	-----
A19100.DAY_650.PlasmacDNA.P4I20	-----	-----	-----	-----	-----
A19100.DAY_650.PlasmacDNA.P4J4	-----V-----	-----	-----	-----	-----

A19100.DAY_650.PlasmacDNA.P4J19 -----
A19100.DAY_650.PlasmacDNA.P4J22 -----
A19100.DAY_650.PlasmacDNA.P4K3 -----
A19100.DAY_650.PlasmacDNA.P4K10 -----
A19100.DAY_650.PlasmacDNA.P4K12 -----V-----
A19100.DAY_650.PlasmacDNA.P4K17 -----
A19100.DAY_650.PlasmacDNA.P4K20 -----
A19100.DAY_650.PlasmacDNA.P4L7 -----
A19100.DAY_650.PlasmacDNA.P4L11 -----
A19100.DAY_650.PlasmacDNA.P4M3 -----
A19100.DAY_650.PlasmacDNA.P4M9 -----V-----
A19100.DAY_650.PlasmacDNA.P4M16 -----
A19100.DAY_650.PlasmacDNA.P4N4 -----
A19100.DAY_650.PlasmacDNA.P4N7 -----
A19100.DAY_650.PlasmacDNA.P4O4 -----K-----
A19100.DAY_650.PlasmacDNA.P4O6 -----
A19100.DAY_650.PlasmacDNA.P4O7 -----
A19100.DAY_650.PlasmacDNA.P4O10 -----
A19100.DAY_650.PlasmacDNA.P4O15 -----
A19100.DAY_650.PlasmacDNA.P4O23 -----
A19100.DAY_650.PlasmacDNA.P4P17 -----
A19100.DAY_650.PlasmacDNA.P4P20 -----V-----T-----

SHIV1157 VDQMHEDIISLWDQSLKPCV KLTSLCVTLKCSNFTGKSNV TYKGDMEVKNCSEFNVTTTEIR DKKQKVYALFYRLDITPLDD NSSEYILINCNSSTITQACP 200
A19100.DAY_573.PlasmacDNA.P4C13 -----
A19100.DAY_573.PlasmacDNA.P4C14 -----
A19100.DAY_573.PlasmacDNA.P4C15 -----
A19100.DAY_573.PlasmacDNA.P4C17 -----
A19100.DAY_573.PlasmacDNA.P4C19 -----
A19100.DAY_573.PlasmacDNA.P4C20 -----N-----
A19100.DAY_573.PlasmacDNA.P4C21 -----
A19100.DAY_573.PlasmacDNA.P4C22 -----
A19100.DAY_573.PlasmacDNA.P4D2 -----
A19100.DAY_573.PlasmacDNA.P4D3 -----
A19100.DAY_573.PlasmacDNA.P4D4 -----
A19100.DAY_650.PlasmacDNA.P4I2 -----E-----
A19100.DAY_650.PlasmacDNA.P4I3 -----
A19100.DAY_650.PlasmacDNA.P4I20 -----E-----
A19100.DAY_650.PlasmacDNA.P4J4 -----
A19100.DAY_650.PlasmacDNA.P4J19 -----
A19100.DAY_650.PlasmacDNA.P4J22 -----
A19100.DAY_650.PlasmacDNA.P4K3 -----
A19100.DAY_650.PlasmacDNA.P4K10 -----
A19100.DAY_650.PlasmacDNA.P4K12 -----G-----
A19100.DAY_650.PlasmacDNA.P4K17 -----E-----
A19100.DAY_650.PlasmacDNA.P4K20 -----
A19100.DAY_650.PlasmacDNA.P4L7 -----
A19100.DAY_650.PlasmacDNA.P4L11 -----
A19100.DAY_650.PlasmacDNA.P4M3 -----
A19100.DAY_650.PlasmacDNA.P4M9 -----
A19100.DAY_650.PlasmacDNA.P4M16 -----
A19100.DAY_650.PlasmacDNA.P4N4 -----Y-----
A19100.DAY_650.PlasmacDNA.P4N7 -----
A19100.DAY_650.PlasmacDNA.P4O4 -----
A19100.DAY_650.PlasmacDNA.P4O6 -----
A19100.DAY_650.PlasmacDNA.P4O7 -----
A19100.DAY_650.PlasmacDNA.P4O10 -----
A19100.DAY_650.PlasmacDNA.P4O15 -----Y-----
A19100.DAY_650.PlasmacDNA.P4O23 -----
A19100.DAY_650.PlasmacDNA.P4P17 -----
A19100.DAY_650.PlasmacDNA.P4P20 -----

SHIV1157 KVNFDPIPIHYCAPAGYAIL KCNNKTFNGTGPCNVSTVQ CTHGIKPPVSTQLLNGSLA EGEIIRSENLTDNVKTIIIV HFNESVEITCTRPNNNTRKS 300
A19100.DAY_573.PlasmacDNA.P4C13 -----
A19100.DAY_573.PlasmacDNA.P4C14 -----
A19100.DAY_573.PlasmacDNA.P4C15 -----
A19100.DAY_573.PlasmacDNA.P4C17 -----
A19100.DAY_573.PlasmacDNA.P4C19 -----
A19100.DAY_573.PlasmacDNA.P4C20 -----
A19100.DAY_573.PlasmacDNA.P4C21 -----
A19100.DAY_573.PlasmacDNA.P4C22 -----
A19100.DAY_573.PlasmacDNA.P4D2 -----
A19100.DAY_573.PlasmacDNA.P4D3 -----
A19100.DAY_573.PlasmacDNA.P4D4 -----
A19100.DAY_650.PlasmacDNA.P4I2 -----
A19100.DAY_650.PlasmacDNA.P4I3 -----
A19100.DAY_650.PlasmacDNA.P4I20 -----
A19100.DAY_650.PlasmacDNA.P4J4 -----
A19100.DAY_650.PlasmacDNA.P4J19 -----
A19100.DAY_650.PlasmacDNA.P4J22 -----
A19100.DAY_650.PlasmacDNA.P4K3 -----
A19100.DAY_650.PlasmacDNA.P4K10 -----
A19100.DAY_650.PlasmacDNA.P4K12 -----
A19100.DAY_650.PlasmacDNA.P4K17 -----
A19100.DAY_650.PlasmacDNA.P4K20 -----
A19100.DAY_650.PlasmacDNA.P4L7 -----
A19100.DAY_650.PlasmacDNA.P4L11 -----
A19100.DAY_650.PlasmacDNA.P4M3 -----H-----
A19100.DAY_650.PlasmacDNA.P4M9 -----
A19100.DAY_650.PlasmacDNA.P4M16 -----
A19100.DAY_650.PlasmacDNA.P4N4 -----
A19100.DAY_650.PlasmacDNA.P4N7 -----
A19100.DAY_650.PlasmacDNA.P4O4 -----
A19100.DAY_650.PlasmacDNA.P4O6 -----H-----
A19100.DAY_650.PlasmacDNA.P4O7 -----
A19100.DAY_650.PlasmacDNA.P4O10 -----
A19100.DAY_650.PlasmacDNA.P4O15 -----
A19100.DAY_650.PlasmacDNA.P4O23 -----
A19100.DAY_650.PlasmacDNA.P4P17 -----
A19100.DAY_650.PlasmacDNA.P4P20 -----

SHIV1157 ISIGPGQAIYATGDIIGDIR QAHNCISKENWNKTLQWVRG KLKEHFPNKTIIVFKPSSGGD LEITHHSFNCRGEFFYCNTS KLFNSTDNSTHMGTENNNTII 400
A19100.DAY_573.PlasmacDNA.P4C13 -----
A19100.DAY_573.PlasmacDNA.P4C14 -----
A19100.DAY_573.PlasmacDNA.P4C15 -----

[illegible]

A19101 Control

	SHIV1157	VDQMHEDIISLWDQSLKPCV	KLTSLCVTLTKCSNFTGKSNV	TYKGDMVEVKNCSCFNVTTEIR	DKKQKVYALFYRLDITPLDD	NSSEYILINCNSSTITQACP	200
A19101.DAY_650.PlasmacDNA.P3M9	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3M17	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3M24	----	-----	-----	N-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3N10	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3N14	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4A5	----	-----	-----	-----	-----	-R---	
A19101.DAY_650.PlasmacDNA.P4A11	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4A14	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B2	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B8	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B10	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B22	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C3	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C5	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C6	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C21	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D3	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D5	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D15	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E2	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E8	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E9	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F6	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F7	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F10	----	-----	-----	N-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F12	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4G3	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4G22	----	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4H10	----	-----	-----	-----	-----	-----	

SHIV1157	SWSNKSQTDIENMTWMQWD	REISRHTDTIYRLLEDSQNQ	QEKNEKDLLALDSWKNLWNW	FSITRWLWYIKIFIMIVGGL	IGLRIIFAVLSIVNRVRQGY	700
A19101.DAY_650.PlasmacDNA.P3M9	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3M17	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3M24	-----	-----	-----	-----I-----	-----	
A19101.DAY_650.PlasmacDNA.P3N10	-----	-----	-----	-----	-----M-----	
A19101.DAY_650.PlasmacDNA.P3N14	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4A5	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4A11	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4A14	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B2	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B8	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B10	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B22	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C3	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C5	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C6	-----	-----	-----L-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C21	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D3	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D5	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D15	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E2	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E8	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E9	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F6	-----	-----	-----	-----	-----M-----	
A19101.DAY_650.PlasmacDNA.P4F7	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F10	-----	-----	-----	-----I-----	-----	
A19101.DAY_650.PlasmacDNA.P4F12	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4G3	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4G22	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4H10	-----	-----	-----	-----	-----	

SHIV1157	SPLSFQTHLPLRGADRPEG	IEEEGGERDRDRSIRLVTGS	LALIWDLLRSLCLFSYHRLR	DLLLIVTRTVELLGRRGWEA	LKYWWNLLLYWSQELKNSAV	800
A19101.DAY_650.PlasmacDNA.P3M9	-----	-----	-----T-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3M17	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3M24	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3N10	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P3N14	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4A5	-----	-----	-----	-----	-----N-----	
A19101.DAY_650.PlasmacDNA.P4A11	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4A14	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B2	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B8	-----	-----	-----T-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B10	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4B22	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C3	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C5	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C6	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4C21	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D3	-----	-----	-----T-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D5	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4D15	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E2	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E8	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4E9	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F6	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F7	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F10	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4F12	-----	-----	-----T-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4G3	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4G22	-----	-----	-----	-----	-----	
A19101.DAY_650.PlasmacDNA.P4H10	-----	-----	-----	-----	-----	

SHIV1157	SLLNATAIAVRQYQWSYFHE	AVQAVWRSATETLAGAWGDL	WEILRRGGRWILAIIPRRIQ	GLELTLL*	868
A19101.DAY_650.PlasmacDNA.P3M9	-----	-----E-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P3M17	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P3M24	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P3N10	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P3N14	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4A5	-----	-----R-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4A11	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4A14	-----	-----E-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4B2	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4B8	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4B10	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4B22	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4C3	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4C5	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4C6	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4C21	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4D3	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4D5	-----	-----R-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4D15	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4E2	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4E8	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4E9	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4F6	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4F7	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4F10	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4F12	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4G3	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4G22	-----	-----	-----T-----	-----	
A19101.DAY_650.PlasmacDNA.P4H10	-----	-----N-----	-----T-----	-----	

A19102 eCD4-Ig+Ciapavir

SHIV1157	MRVKEKYQHLWRGWRWGIM	LLGLMLICASEKLWVTVY	GVPVWKEAKTTLFCASNAKA	YEKEVHNIWATHACVPTDPN	PQEIVLGNVTENFNMMKNDM	100
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----G-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5J23	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----T-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O8	---E---	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O11	-----G-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----	-----	-----	-----	

A19102.DAY_574.PlasmacDNA.P5024	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P14	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----	-----	-----	-----
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----	-----	-----	-----
SHIV1157	VDQMHEDIISLWDQSLKPCV	KLTSCLVTLKCSNFTGKSNV	TYKGDMEVKNCSFNVTTEIR	DKKQKVYALFYRLDITPLDD	NSSEYILINCNSSTITQACP
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5J23	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5O8	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5O11	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5O24	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5P14	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----	-----	-----	-T-----
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----	-I-----	-----	-T-----
SHIV1157	KVNFDPIPIHYCAPAGYAIL	KCNKNKTFNGTGPCHNVTVQ	CTHGKIPVVTSQLLLNGSLA	EGEIIIRSENLTDNVKTIIIV	HFNESVEITCTRPNNNTRKS
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5J23	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O11	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O24	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P14	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----	-----	-----	-----
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----	-----	-----	-----
SHIV1157	ISIGPGQAIYATGDIIGDIR	QAHCNISKENWNKTLQWVRG	KLKEHFPNKTIIVFKPSSGGD	LEITHSFNCRGEFFYCNTS	KLFNSTDNSTHMGTENNITII
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5J23	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----	-----	-----	-Y-----
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O11	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O24	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P14	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----	-----	-----	-----
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----	-----	-----	-----
SHIV1157	TIPCRIKQIINMWQEVGRAM	YAPPIEGNITCKSNITGLLL	VRDGGWDNSTNDTETFRPGG	GDMRDNRWSELYKYKVVEVK	PLGIAPTAKARRVVEREKRA
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5J23	-----	-E-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O11	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O24	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P14	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----	-----	-----	-----
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----	-----	-----	-----
SHIV1157	VGIGAVFLGFLGAAGSTMGA	ASITLTVQARQLLSGIVQQQ	DNLLRAIEAQQHMLQLTVWG	IKQLQARVLAIERYLQDQQL	LGIWGCSGKLICTTAVPWND
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5J23	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----	-----	-----	-T-----
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O11	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O24	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P14	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----	-----	-----	-----
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----	-----	-----	-----
SHIV1157	SWSNKSQTDIWENMTWMQWD	REISRHTDTIYRLLEDSQNQ	QEKNEKDLLALDSWKNLWNW	FSITRWLWYIKIFIMIVGGL	IGLRIIFAVLSIVNRVRQGY
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----	-----	-----	-K-----

A19102.DAY_574.PlasmacDNA.P5J23	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O11	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5O24	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P14	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----	-----	-----	-----
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----	-----	-----	-----
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----	-----	-----	-----

SHIV1157	SPLSFQTHLPLRGADRPEG	IEEEGGERDRDRSIRLVTGS	LALIWDDLRLSLCFSYHRLR	DLLLIVTRTVELLGRRGWEA	LKYWWNLLLYWSQELKNSAV	800
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5J23	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O8	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O11	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O24	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P14	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----	-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----	-----	-----	-----	
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----	-----	-----	-----	

SHIV1157	SLLNATAIAVRQYGWSYFHE	AVQAVVRSATETLAGAWGDL	WEILRRGGRWILAIPRRIRQ	GLELTLL*	868
A19102.DAY_574.PlasmacDNA.P5I18	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5J23	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5K3	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5L2	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5M7	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5N1	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5N22	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O8	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O11	-----	-A-----K-----T-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O20	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5O24	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P8	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P10	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P14	-----L-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P21	-----	-----K-----	-----	-----	
A19102.DAY_574.PlasmacDNA.P5P22	-----	-----K-----	-----	-----	
A19102.DAY_686.PlasmacDNA.P3P9	-----	-----K-----	-----	-----	

A19103 Control

SHIV1157	MRVKEKYQHLWRWGWRWGIM	LLGMLMICSASEKLWVTVYY	GVPVWKEAKTTLFCASNKA	YEKEVHNIWATHACVPTDPN	PQEIVLGNVTENFNMWKNDM	100
A19103.DAY_575.PlasmacDNA.P2M11	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2M13	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2M16	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2M18	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2N4	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2N11	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2N19	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5A9	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5A13	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5A17	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5A21	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5B14	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5B19	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5C1	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5C5	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5C9	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5C12	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5D21	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5E8	-----	-----	-----K-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5E22	-----	-----	-----	-----D-----	-----	
A19103.DAY_575.PlasmacDNA.P5E23	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5F2	-----	-----	-----Y-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5F3	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5F20	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5G3	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5G4	-----	-----	-----E-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5G11	-----	-----	-----E-----	-----	-----	
A19103.DAY_650.PlasmacDNA.P3J11	-----	-----	-----	-----	-----	
A19103.DAY_650.PlasmacDNA.P4D15	-----	-----	-----	-----	-----	
A19103.DAY_650.PlasmacDNA.P4D20	-----	-----	-----	-----	-----	
A19103.DAY_650.PlasmacDNA.P4E9	-----	-----	-----	-----	-----	
A19103.DAY_650.PlasmacDNA.P4E21	-----	-----	-----	-----	-----	
A19103.DAY_650.PlasmacDNA.P4F2	-----	-----	-----	-----V-----	-----	
A19103.DAY_650.PlasmacDNA.P4F8	-----	-----	-----E-----	-----	-----	
A19103.DAY_650.PlasmacDNA.P4F9	-----	-----	-----E-----	-----	-----	
A19103.DAY_650.PlasmacDNA.P4G23	-----	-----	-----E-----	-----	-----	

SHIV1157	VDQMHEDIISLWDQSLKPCV	KLTSLCVTLKCSNFTGKSNV	TYKQDMEVKNCSEFNVTTTEIR	DKKQKVYALFYRLDITPLDD	NSSEYILINCNSSTITQACP	200
A19103.DAY_575.PlasmacDNA.P2M11	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2M13	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2M16	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2M18	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2N4	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2N11	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P2N19	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5A9	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5A13	-----	-----	-----	-----	-----	
A19103.DAY_575.PlasmacDNA.P5A17	-----	-----	-----	-----	-----	

[illegible]

[illegible]

A19103.DAY_650.PlasmacDNA.P4E9	-----	-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4E21	-----	-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4F2	-----	-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4F8	-----	-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4F9	-----	-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4G23	-----	-----	-----	-----	-----	-----
SHIV1157	SPLSFQTHLPLPRGADRPEG	IEEEGGERDRDRSIRLVTGS	LALIWDLLRSLCLFSYHRLR	DLLLIVTRTVELLGRRGWEA	LKYWWNLLLYWSQELKNSAV	800
A19103.DAY_575.PlasmacDNA.P2M11	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P2M13	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P2M16	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P2M18	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P2N4	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P2N11	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P2N19	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5A9	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5A13	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5A17	-----	-----	-----	-----K-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5A21	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5B14	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5B19	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5C1	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5C5	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5C9	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5C12	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5D21	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5E8	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5E22	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5E23	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5F2	-----	-----V-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5F3	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5F20	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5G3	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5G4	-----	-----	-----	-----	-----	-----
A19103.DAY_575.PlasmacDNA.P5G11	-----	-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P3J11	-----	-----D-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4D15	-----	-----D-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4D20	-----	-----D-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4E9	-----	-----D-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4E21	-----	-----D-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4F2	-----	-----D-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4F8	-----	-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4F9	-----	-----	-----	-----	-----	-----
A19103.DAY_650.PlasmacDNA.P4G23	-----	-----	-----	-----	-----	-----

	SHIVI157	SLLNATAIAVRQYGWSYFHE	AVQAVWRSATETLAGAWGDL	WEILRRGGRWILAIPRRIRQ	GLELTLL*	868
A19103.DAY_575.PlasmacDNA.P2M11						
A19103.DAY_575.PlasmacDNA.P2M13						
A19103.DAY_575.PlasmacDNA.P2M16						
A19103.DAY_575.PlasmacDNA.P2M18						
A19103.DAY_575.PlasmacDNA.P2N4						
A19103.DAY_575.PlasmacDNA.P2N11						
A19103.DAY_575.PlasmacDNA.P2N19						
A19103.DAY_575.PlasmacDNA.P5A9						
A19103.DAY_575.PlasmacDNA.P5A13						
A19103.DAY_575.PlasmacDNA.P5A17						
A19103.DAY_575.PlasmacDNA.P5A21						
A19103.DAY_575.PlasmacDNA.P5B14						
A19103.DAY_575.PlasmacDNA.P5B19						
A19103.DAY_575.PlasmacDNA.P5C1						
A19103.DAY_575.PlasmacDNA.P5C5						
A19103.DAY_575.PlasmacDNA.P5C9						
A19103.DAY_575.PlasmacDNA.P5C12						
A19103.DAY_575.PlasmacDNA.P5D21						
A19103.DAY_575.PlasmacDNA.P5E8						
A19103.DAY_575.PlasmacDNA.P5E22						
A19103.DAY_575.PlasmacDNA.P5E23						
A19103.DAY_575.PlasmacDNA.P5F2						
A19103.DAY_575.PlasmacDNA.P5F3						
A19103.DAY_575.PlasmacDNA.P5F20						
A19103.DAY_575.PlasmacDNA.P5G3						
A19103.DAY_575.PlasmacDNA.P5G4						
A19103.DAY_575.PlasmacDNA.P5G11						
A19103.DAY_650.PlasmacDNA.P3J11			-K-			
A19103.DAY_650.PlasmacDNA.P4D15			-K-			
A19103.DAY_650.PlasmacDNA.P4D20			-K-			
A19103.DAY_650.PlasmacDNA.P4E9			-K-			
A19103.DAY_650.PlasmacDNA.P4E21			-K-			
A19103.DAY_650.PlasmacDNA.P4F2			-K-			
A19103.DAY_650.PlasmacDNA.P4F8						
A19103.DAY_650.PlasmacDNA.P4F9						
A19103.DAY_650.PlasmacDNA.P4G23						

A19104 eCD4-Ig+Ciapavir

	SHIV1157	MRVKEKYQHLWRGWRWGIM	LLGMLMICSASEKLWTVVY	GVFVWKEAKTTLFCASNKA	YEKEVHNIWATHACVPTDPN	PQEIVLGNVTENFNMWKNDM	100
A19104.DAY_573.PlasmacDNA.P2J14							
A19104.DAY_573.PlasmacDNA.P2J18							
A19104.DAY_573.PlasmacDNA.P2J24							
A19104.DAY_650.PlasmacDNA.P3G18							
A19104.DAY_650.PlasmacDNA.P3H11							
A19104.DAY_650.PlasmacDNA.P4I3							
A19104.DAY_650.PlasmacDNA.P4I9							
A19104.DAY_650.PlasmacDNA.P4I22							
A19104.DAY_650.PlasmacDNA.P4I24							
A19104.DAY_650.PlasmacDNA.P4J6							
A19104.DAY_650.PlasmacDNA.P4K4							
A19104.DAY_650.PlasmacDNA.P4K9							
A19104.DAY_650.PlasmacDNA.P4L1							
A19104.DAY_650.PlasmacDNA.P4L8							
A19104.DAY_650.PlasmacDNA.P4L20							
A19104.DAY_650.PlasmacDNA.P4M13							
A19104.DAY_650.PlasmacDNA.P4M18							
A19104.DAY_650.PlasmacDNA.P4N8							
A19104.DAY_650.PlasmacDNA.P4N10							
A19104.DAY_650.PlasmacDNA.P4N12							

A19104.DAY_650.PlasmacDNA.P4N14					
A19104.DAY_650.PlasmacDNA.P4N22					
A19104.DAY_650.PlasmacDNA.P4O3					
A19104.DAY_650.PlasmacDNA.P4O7					
A19104.DAY_650.PlasmacDNA.P4O10					
A19104.DAY_650.PlasmacDNA.P4O11					
A19104.DAY_650.PlasmacDNA.P4P14					
A19104.DAY_650.PlasmacDNA.P4P16					
A19104.DAY_650.PlasmacDNA.P4P19					
SHIV1157	VDQMHEDIISLWDQSLKPCV	KLTSLCVTLKCSNFTGKS NV	TYKGDMEVKNC SFNV TTEIR	DKKQKVYALFYRLDITPLDD	NSSEYLINC NSST IT QACP
A19104.DAY_573.PlasmacDNA.P2J14					
A19104.DAY_573.PlasmacDNA.P2J18					
A19104.DAY_573.PlasmacDNA.P2J24					
A19104.DAY_650.PlasmacDNA.P3G18					
A19104.DAY_650.PlasmacDNA.P3H11					
A19104.DAY_650.PlasmacDNA.P4I3					
A19104.DAY_650.PlasmacDNA.P4I9					
A19104.DAY_650.PlasmacDNA.P4I22					
A19104.DAY_650.PlasmacDNA.P4I24					
A19104.DAY_650.PlasmacDNA.P4J6					
A19104.DAY_650.PlasmacDNA.P4K4					
A19104.DAY_650.PlasmacDNA.P4K9					
A19104.DAY_650.PlasmacDNA.P4L1					
A19104.DAY_650.PlasmacDNA.P4L8					
A19104.DAY_650.PlasmacDNA.P4L20					
A19104.DAY_650.PlasmacDNA.P4M13					
A19104.DAY_650.PlasmacDNA.P4M18					
A19104.DAY_650.PlasmacDNA.P4N8					
A19104.DAY_650.PlasmacDNA.P4N10				--R--	
A19104.DAY_650.PlasmacDNA.P4N12					
A19104.DAY_650.PlasmacDNA.P4N14					
A19104.DAY_650.PlasmacDNA.P4N22					
A19104.DAY_650.PlasmacDNA.P4O3					
A19104.DAY_650.PlasmacDNA.P4O7		-G-			
A19104.DAY_650.PlasmacDNA.P4O10					
A19104.DAY_650.PlasmacDNA.P4O11					
A19104.DAY_650.PlasmacDNA.P4P14					
A19104.DAY_650.PlasmacDNA.P4P16					
A19104.DAY_650.PlasmacDNA.P4P19				-K-	
SHIV1157	KVNFDPIPIHYCAPAGYAIL	KCNNKT FNGT GPCHNV ST VQ	CTHG IKPVVSTQL L NGLS LA	EGEII I RSEN LT DN VKT II V	HFNESVEIT CTRFNN NT RK S
A19104.DAY_573.PlasmacDNA.P2J14					
A19104.DAY_573.PlasmacDNA.P2J18					
A19104.DAY_573.PlasmacDNA.P2J24					
A19104.DAY_650.PlasmacDNA.P3G18					
A19104.DAY_650.PlasmacDNA.P3H11					
A19104.DAY_650.PlasmacDNA.P4I3					
A19104.DAY_650.PlasmacDNA.P4I9					
A19104.DAY_650.PlasmacDNA.P4I22					
A19104.DAY_650.PlasmacDNA.P4I24					
A19104.DAY_650.PlasmacDNA.P4J6					
A19104.DAY_650.PlasmacDNA.P4K4					
A19104.DAY_650.PlasmacDNA.P4K9					
A19104.DAY_650.PlasmacDNA.P4L1					
A19104.DAY_650.PlasmacDNA.P4L8					
A19104.DAY_650.PlasmacDNA.P4L20					
A19104.DAY_650.PlasmacDNA.P4M13					
A19104.DAY_650.PlasmacDNA.P4M18					
A19104.DAY_650.PlasmacDNA.P4N8					
A19104.DAY_650.PlasmacDNA.P4N10					
A19104.DAY_650.PlasmacDNA.P4N12					
A19104.DAY_650.PlasmacDNA.P4N14					
A19104.DAY_650.PlasmacDNA.P4N22					
A19104.DAY_650.PlasmacDNA.P4O3					
A19104.DAY_650.PlasmacDNA.P4O7					
A19104.DAY_650.PlasmacDNA.P4O10					
A19104.DAY_650.PlasmacDNA.P4O11					
A19104.DAY_650.PlasmacDNA.P4P14					
A19104.DAY_650.PlasmacDNA.P4P16					
A19104.DAY_650.PlasmacDNA.P4P19					
SHIV1157	ISISGPQA IAYAT GDIIGDIR	QAHCNISKENWN K TLQWVRG	KLKEHF P NK TI VF KPSSGGD	LEIT THSF NC RG EFF YCN TS	KLFNSTDN STM GTENNT II
A19104.DAY_573.PlasmacDNA.P2J14					
A19104.DAY_573.PlasmacDNA.P2J18	-R-				
A19104.DAY_573.PlasmacDNA.P2J24					
A19104.DAY_650.PlasmacDNA.P3G18					
A19104.DAY_650.PlasmacDNA.P3H11				L-	
A19104.DAY_650.PlasmacDNA.P4I3					
A19104.DAY_650.PlasmacDNA.P4I9					
A19104.DAY_650.PlasmacDNA.P4I22					
A19104.DAY_650.PlasmacDNA.P4I24					
A19104.DAY_650.PlasmacDNA.P4J6					
A19104.DAY_650.PlasmacDNA.P4K4					
A19104.DAY_650.PlasmacDNA.P4K9					
A19104.DAY_650.PlasmacDNA.P4L1					

A19104.DAY_650.PlasmacDNA.P4L8	-----	-----	-----	-----	-R-----
A19104.DAY_650.PlasmacDNA.P4L20	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4M13	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4M18	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4N8	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4N10	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4N12	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4N14	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4N22	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4O3	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4O7	-----	-V-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4O10	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4O11	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4P14	-----	-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4P16	-----	-V-----	-----	-----	-----
A19104.DAY_650.PlasmacDNA.P4P19	-----	-----	-----	-----	-----

SHIV1157	SLLNATAIAVRQYGWSYFHE	AVQAVWRSATETLAGAWGDL	WEILRRGGRWILAIPRRIRQ	GLELTLL*	868
A19104.DAY_573.PlasmacDNA.P2J14	-----	-----	-----	-----	
A19104.DAY_573.PlasmacDNA.P2J18	-----	-----	-----	-----	
A19104.DAY_573.PlasmacDNA.P2J24	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P3G18	-----G-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P3H11	-----	--T-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4I3	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4I9	-----G-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4I22	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4I24	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4J6	-----	--T-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4K4	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4K9	-----	--T-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4L1	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4L8	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4L20	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4M13	-----	--T-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4M18	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4N8	-----	--T-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4N10	-----	-----V-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4N12	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4N14	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4N22	-----I-----	--T-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4O3	-----	--T-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4O7	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4O10	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4O11	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4P14	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4P16	-----	-----	-----	-----	
A19104.DAY_650.PlasmacDNA.P4P19	-----	-----F-----	--T-----	-----	

Supplemental Table 2: Env sequencing data

Region	Name	Sequence	Company
GAG	SHIVGAG_Fwd	TTAAGTGTGGAATTGTGGGAAAG	Thermo Fisher
	SHIVGAG_Rev	TTTCCAGCATCCCTGTCTTCTT	Thermo Fisher
	SHIVGAG_Probe	[FAM]CAATGCAGAGCCC-MBG	Thermo Fisher
POL	SHIVPOL_Fwd	AGGAAAAGAGGTGGATAGCAGTTC	Thermo Fisher
	SHIVPOL_Rev	TTTATGAGGCTATGCCACCTCTCT	Thermo Fisher
	SHIVPOL_Probe	[ATTO590]CACATGGAGGATACCGGAGA[MGB-NFQ]	IDT
LTR	SHIVLTR_Fwd	GCAGGTAAGTGCAACACAAAAA	Thermo Fisher
	SHIVLTR_Rev	CGCCCATCTCCCACTCTATC	Thermo Fisher
	SHIVLTR_Probe	[VIC]TAGCTGTCTTTTATCCAGGAAG-MGB	Thermo Fisher
TAT	SHIVTAT_Fwd	GGCATCTCCTATGGCAGGAA	Thermo Fisher
	SHIVTAT_Rev	AGTCTGACTGTTCTGATGAGCTCTTC	Thermo Fisher
	SHIVTAT_Probe	[CY5.5]AAGCGGAGACAGCG-MGB	IDT
ENV	SHIVENV_Fwd	AGCTGTGTTCTTGGGTTCTT	Thermo Fisher
	SHIVENV_Rev	CTGTACCGTCAGCGTTATTGA	Thermo Fisher
	SHIVENV probe	[ROX]AGCAGCAGGAAGCA-MGB	IDT
MRPP30	MRPP30 3'_Fwd	GTTCTTCTTAGCCTCTTCGTAATTCC	Thermo Fisher
	MRPP30 3'_Rev	CCACCCACAAGGAGAAGAAAAT	Thermo Fisher
	MRPP30 3'_Probe	[FAM]ATGTAAAGTCAGCTTCCCCACAGCCAAGA-BHQ	Thermo Fisher
MRPP30	MRPP30 5'_Fwd	CAGGTCATTATTGCTCCCTCTTCT	Thermo Fisher
	MRPP30 5'_Rev	CAAACAACATCAGTGGCACGTA	Thermo Fisher
	MRPP30 5'_Probe	[VIC]TGCTCTTCCTTACTCTGCCCTTTCCCC-BHQ	Thermo Fisher
MDelta D	MDeltaD_Fwd	ATGGGAATGTGTAACCTTTGTGAAGAT	Thermo Fisher
	MDeltaD_Rev	TAATGGCTTGATAAAGATGAGTGATCA	Thermo Fisher
	MDeltaD_Probe	[ROX]TCTGTGGCCATCTTA[MGB-BHQ]	IDT

Supplemental Table 3: Intact proviral DNA assay (IPDA) primer/probe sequences

Supplemental References

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