

Table S3: Predicted phenotypes and V3 sequences of longitudinally isolated Env clones of subject DS3 for which coreceptor usage was determined in the Trofile assay.

Time point (mo to T0)	<i>n</i> clones	Phenotype Trofile	Predicted phenotype (PSSM/g2p)	V3 sequence ^a CIRPNNNTRKGIHIGPGRVIFYATGEIIGDIRRAHC
-6	4	R5	nsi/r5	-E-----
	2	R5	nsi/r5	-T-----T-F-----
	2	R5	nsi/r5	-I-----S-----T-F-----
	1	R5	nsi/r5	-----S-----T-F-----K---
	1	R5	nsi/r5	-T-----S-----T-F-----
	4	Dual-R	nsi/r5	-E-----
	1	Dual-R	si/r5	-E-----G-----
-3	2	R5	nsi/r5	-E-----S-P-----F---G-----
	1	R5	nsi/r5	-----G-----T-F-----Y-
	1	R5	nsi/r5	-T-----S-----T-F-----Y-
	1	R5	nsi/r5	-T-----S-P-----F---G-----
	1	Dual-R	nsi/r5	-E-----S-P-----F---G-----
	1	Dual-R	nsi/r5	-----
	1	Dual-R	nsi/r5	-T-----F-----K---
	1	Dual-R	nsi/r5	-----S-----T-F-----K---
	1	Dual-R	nsi/r5	-----K---
	1	Dual-R	nsi/r5	-E-----S-P-----F---G-----
0	3	R5	nsi/r5	-E-----S-P-----F---G-----
	1	R5	nsi/r5	-E-----
	1	R5	nsi/r5	-E-----K---
	1	Dual-R	nsi/r5	-E-----
	1	Dual-R	nsi/r5	-E-----S-P-----F---G-----
	1	Dual-R	nsi/r5	-E-----K---
	2	Dual-X	si/x4	-M-----R-----V---EK---N-----
6	2	R5	nsi/r5	-E-----F---V-----Y-
	2	R5	nsi/r5	-E-----T-F-----Y-
	1	R5	si/x4	-T-----EG-----Y-
	1	R5	nsi/r5	-E-----
	3	Dual-R	nsi/r5	-E-----
	2	Dual-R	nsi/r5	-E-----F---V-----Y-
	2	Dual-X	si/x4	-M-----Y-----V---EK---N-----
	1	Dual-X	si/x4	-M-----S-----V---EK---N-----
9	1	R5	nsi/r5	-E-----T-F-----Y-
	1	Dual-R	nsi/r5	-T-----F---V-----Y-
	1	Dual-R	nsi/r5	-E-----F---V-----Y-
	1	Dual-R	nsi/r5	-T-----F-----Y-
	4	Dual-X	si/x4	-E-----A-----V---EK---N-----
	2	Dual-X	si/x4	-M-----A-----V---EK---N-----
	1	Dual-X	si/x4	-E-----A-----V---EK---N-----
	1	Dual-X	si/x4	-M-----S-----V---EK---N-----
	1	Dual-X	si/x4	-M-----S-----V---EK---N-----
	1	Dual-X	si/x4	-E-----S-----V---EK---N-----
	1	Dual-X	si/x4	-E-----S-----V---EK---N-----

^a V3 amino acid sequences are shown relative to the major sequence in PBMCs at time point -9 months as determined by ultra-deep sequencing.