SUPPLEMENTARY INFORMATION

SUPPLEMENTARY TABLES

Table S1. Patients, time points and number of sequences analyzed.

Subject	Patient number	CCR5 genotype	Disease progression	Sampling time after SC (months)	gp120 env (nr of clones)
P1	19858	WT/WT	P	42*	8
				69*	5
				92*	4
				113*	6
P2	19576	WT/WT	P	7	2
				29	4
				43	5
				51	5
P3	19947	WT/WT	P	56*	3
				98*	3
P4	19999	WT/WT	P	4	14
				26	16
				42	5
				74	7
				107	20
P5	19768	WT/WT	P	2	21
				36	15
				67	17
				93	12
P6	19659	WT/WT	P	2	1
				30	7
				62	22
				95	20
				128	5
P7	19542	WT/WT	P	2	4
				20	5
				43	7
				63	17
				86	15
P8	18969	WT/WT	P	2	25
				22	21
				47	10
				68	7
				91	15
P9	19559	WT/WT	LTNP	39*	3
				71*	5
				106*	1
				133*	5
				170*	3
P10	19932	WT/WT	LTNP	54*	3
				120*	5
P11	19417	WT/WT	LTNP	48*	3
				77*	6
				101*	5
				131*	5
P12	19828	Δ32/WT	P	4	5
				22	2
				25	4

				47	11
				63	4
P13	19383	Δ32/WT	LTNP	39*	2
				50*	2
				62*	4
				71*	4
				95*	3
				107*	6
				133*	7
				148*	2
P14	19922	Δ32/WT	LTNP	39*	5
				82*	6
				111*	5
				135*	5
P15	19663	Δ32/WT	LTNP	47*	5
				91*	6
				111*	6
				140*	5
P16	19984	Δ32/WT	LTNP	19	6
				109	4
P17	19566	Δ32/WT	LTNP	13	2
				19	7
				101	3
				116	4
P18	19956	Δ32/WT	LTNP	28*	5
				51*	3
				78*	2
				123*	1
				146*	1

P: Progressor; LTNP: Long-term non-progressor; SC: seroconversion; *Sampling time after imputed SC date.

Table S2. Log marginal likelihood estimates for strict and relaxed clock analyses of four patient groups.

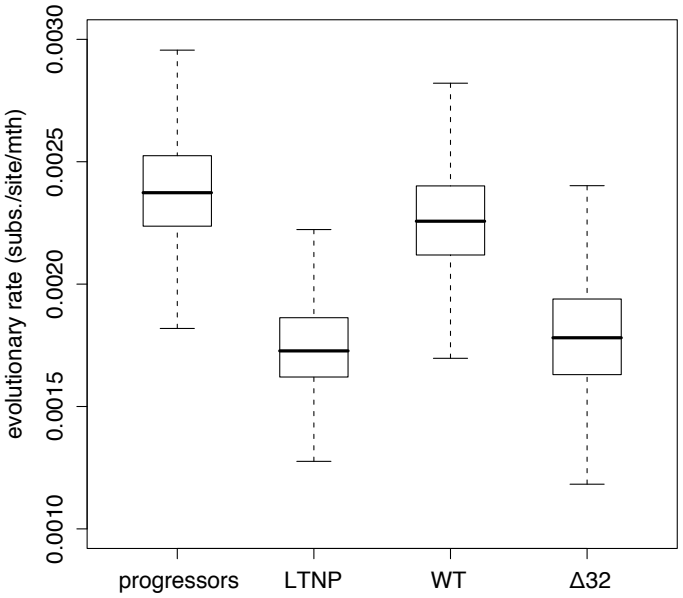
	Progressors	LTNP	WT	Δ32
Strict clock	-28534.3	-26762.8	-33501.0	-21793.5
Relaxed clock	-28526.5	-26756.7	-33496.6	-21789.3

WT: CCR5 wt/wt; Δ32: CCR5 wt/Δ32.

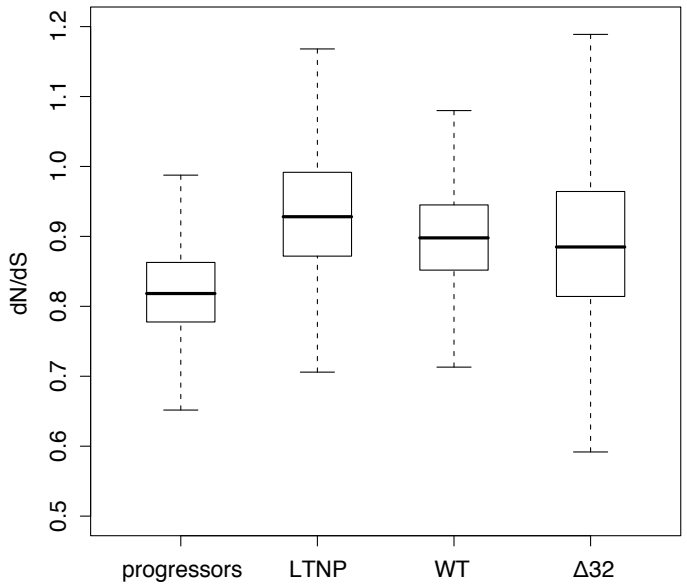
SUPPLEMENTARY FIGURES

Supplementary Figure 1. Codon model estimates. Mean evolutionary rate estimated under relaxed clock, codon substitution model for four patient groups: Progressors, LTNP, CCR5 wt/wt and CCR5 wt/Δ32 (A)**.** *dN/dS* rate ratios estimated for the same for patient groups (B). CCR5 wt/wt (WT); CCR5 wt/Δ32 (Δ32).

A


evolutionary rate (subs./site/mth)
0.0010
0.0015
0.0020
0.0025
0.0030
progressors
LTNP
WT
Δ32

B


dN/dS
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
progressors
LTNP
WT
Δ32