

**Supplementary Table S1.** Codon changes in RT.

Cell Type	A3	Drug	Codon Changes (other than those reported in main text)
<b>PROVIRUS</b>			Codon changes occurred at 3% frequency or higher
U87	-	-	G93E, D113N, E122K, R143K, G152E, G155E, E169K, R172K, D185N, D186N, D192N, E194K, E203K, E204K, G213E, E224K, E233K, D237N
	-	3TC	G93E, R143K, G152E, G155E, D185N, D186N, E203K, E204K, G213E, E224K, E233K, D237N
	-	Mixed ARV	D17N, G18S, E29K, E36K, E40K, E44K, G45E, G51R, G93K, A98T, G99K, V106I, D110N, G112N, D113N, A114T, D237N
	A3F/A3G	-	D113N, E122K, R143K, G152E, G155E, E169K, R172K, D185N, D186N, D192N, E194K, G196R, R199K, E203K, E204K, R206K, G213E, E224K, E233K, D237N
	A3F/A3G	3TC	D17N
	A3F/A3G	AZT	G155R
	A3F/A3G	Mixed ARV	E122K
CEM	Endogenous	-	E122K
	Endogenous	3TC	A33T, C38Y, E40K, E44K, E79K, G93K, A98T, D110N, G112S
	Endogenous	AZT	E122K
CEM-SS	-	-	
	-	3TC	R211K, A33T, C38Y, E40K, E44K, G45K, G51R, G93K, A98T, G99E, D110N, G112N, D113N
	-	AZT	
PBMCs	Endogenous	-	E36K, E89K, G93E, V108I, D186N
	Endogenous	3TC	D17N, V21I, E28K, V35I, E36K, E40K, G51R, G93E, G93K, G99E, D110N, D113N, G152R, S163N
	Endogenous	AZT	E28K, E29K, E36K, E40K, M41I, E44K, E53K, E79K, G93E, G93K, D110N, D113N, E122K, G152E, D185N, D186N, V189I, D192N, R211K, G231S
	Endogenous	Mixed ARV	V21I, E36K, E40K, E44K, G51R, G93R, D110N, D113N, G152R, G155R, G196R, G213R, G231S, D237N
<b>VIRUS</b>			Codon changes occurred at 1.5% frequency or higher
U87	-	-	A33T, G93K, D110N, G112N, D113N, E122K, G141E, R143K, V179I, G231D, E233K, D237N
	-	3TC	G93E, D110N, R143K, G152E, G155K, E224K, D237N
	-	Mixed ARV	G93K, G141E, R143K, G213K
	A3F/A3G	-	G93K, D110N, D113N, V148I, G155K, S163N, G231D, E233K, D237N
	A3F/A3G	3TC	G231D
	A3F/A3G	AZT	M41I, G93K, G112S, R143K, V179I, G231D
	A3F/A3G	Mixed ARV	G93K, G231D
CEM	Endogenous	-	E44K, G93K, G152E, G155K, G231N
	Endogenous	3TC	E28K, A33T, E42K, G93K, R143K, G231D
	Endogenous	AZT	E53K, A98T, V179I
CEM-SS	-	-	G93K, G99E, D110N, D113N, G213K, E224K, G231D
	-	3TC	G93R, D113N
	-	AZT	G93K
PBMCs	Endogenous	-	A33T, E44K, G93K, G93E, G99E, R143K, G213K
	Endogenous	3TC	A33T, E44K, E89K, G93R, S163N
	Endogenous	AZT	G93R, G93K, D110N, E122K, V179I, R211K, E233K
	Endogenous	Mixed ARV	E89K, G93K, A98T, G99R, V106I, D110N, V111I, E122K, G152E, E169K, R172K, D177N, V179I, D185N, D192N