

PI Major Mutations:None

PI Accessory Mutations:None

PR Other Mutations:I15V 40%
HIV-1_HK1 • E35D 100%
HIV-1_HK1 • M36I 100%
HIV-1_HK1 • N37D 100%
HIV-1_HK1 • R41K 99%
HIV-1_002 • R57K 99%
HIV-1_002 • H69K 99%
HIV-1_002 • L89M 100%
HIV-1_008

Protease Inhibitors	
atazanavir (ATV/r)	Susceptible
darunavir/r (DRV/r)	Susceptible
fosamprenavir/r (FPV/r)	Susceptible
indinavir/r (IDV/r)	Susceptible
lopinavir/r (LPV/r)	Susceptible
nelfinavir (NFV)	Susceptible
saquinavir/r (SQV/r)	Susceptible
tipranavir/r (TPV/r)	Susceptible

No drug resistance mutations were found for PI.

NRTI Mutations:None

NNRTI Mutations:**K103N** 100%
HIV-1_001

RT Other Mutations:E6K 100%
HIV-2_003 • K20R 100%
HIV-1_HK2 • E28A 97%
HIV-1_707 • V35T 100%
HIV-1_008 • K49R 100%
HIV-1_006 • V60I 99%
HIV-1_005 • K101Q 99%
HIV-1_001 • K122E 100%
HIV-1_003 • D123S 47%
HIV-1_001 • I135T 100%
HIV-1_006 • S162A 100%
HIV-1_002 • T163V 99%
HIV-1_006 • K173S 100%
HIV-1_008 • Q174K 100%
HIV-1_008 • D177E 100%
HIV-1_002 • I178L 99%
HIV-1_002 • T200A 100%
HIV-1_001 • Q207D 99%
HIV-1_001 • F214L 100%
HIV-1_001 • V245E 99%
HIV-1_001 • D250E 100%
HIV-1_001 • A354N 99%
HIV-1_001 • V559I 99%
HIV-1_001

Nucleoside Reverse Transcriptase Inhibitors		Non-nucleoside Reverse Transcriptase Inhibitors	
abacavir (ABC)	Susceptible	doravirine (DOR)	Susceptible
zidovudine (AZT)	Susceptible	efavirenz (EFV)	High-Level Resistance
stavudine (D4T)	Susceptible	etravirine (ETR)	Susceptible
didanosine (DDI)	Susceptible	nevirapine (NVP)	High-Level Resistance
emtricitabine (FTC)	Susceptible	rilpivirine (RPV)	Susceptible
lamivudine (3TC)	Susceptible		
tenofovir (TDF)	Susceptible		

RT comments

NNRTI

- K103N** is a non-polymorphic mutation that confers high-level reductions in NVP and EFV susceptibility. It is the most commonly transmitted DRM.

Other

- K101Q** is a relatively non-polymorphic mutation that is weakly selected in persons receiving NVP and EFV. It is of uncertain phenotypic and clinical significance.

No drug resistance mutations were found for NRTI.

Drug resistance mutation scores of NNRTI:					Download CSV	
Rule	DOR ↕	EFV ↕	ETR ↕	NVP ↕	RPV ↕	
<u>K103N</u>	0	60	0	60	0	

INSTI Major Mutations:None

INSTI Accessory Mutations:None

IN Other Mutations>K14R 97%
HIV-1_001 • I72V 100%
HIV-1_004 • I84M 100%
HIV-1_001 • F100Y 97%
HIV-1_001 • L101I 97%
HIV-1_001 • T112V 97%
HIV-1_004 • S119P 100%
HIV-1_004 • T124N 97%
HIV-1_001 • T125A 100%
HIV-1_001 • G163E 100%
HIV-1_002 • G189R 99%
HIV-1_001 • V201I 99%
HIV-1_004 • T206S 100%
HIV-1_001 • I208L 100%
HIV-1_001 • L234V 100%
HIV-1_001 • A263V 100%
HIV-1_002 • S283G 100%
HIV-1_001 • D286N 100%
HIV-1_001

Integrase Strand Transfer Inhibitors	
bictegravir (BIC)	Susceptible
cabotegravir (CAB)	Susceptible
dolutegravir (DTG)	Susceptible
elvitegravir (EVG)	Susceptible
raltegravir (RAL)	Susceptible

No drug resistance mutations were found for INSTI.