

PI Major Mutations:None

PI Accessory Mutations:None

PR Other Mutations:I13V 100%  
seen=2,382 • E35D 100%  
seen=1,973 • M36I 100%  
seen=1,973 • R41K 100%  
seen=1,980 • K45R 100%  
seen=1,127 • R57K 100%  
seen=1,282 • L63T 10%  
seen=2,793 • I64M 10%  
seen=2,773 • H69K 100%  
seen=2,796 • L89M 100%  
seen=2,823

Protease Inhibitors	
atazanavir (r (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%  
seen=1,207

RT Other Mutations:V35T 100%  
seen=12,832 • T39A 10%  
seen=2,803 • E40ED 0: 10%  
seen=2,822 D: 21% • K43KR 1: 70%  
seen=2,582 R: 23% • V111I 100%  
seen=857 • K122E 10%  
seen=938 • D123N 10%  
seen=938 • I135V 100%  
seen=1,802 • K173A 100%  
seen=1,013 • D177E 100%  
seen=0,525 • V179I 100%  
seen=2,386 • T200A 100%  
seen=1,855 • Q207A 100%  
seen=1,392 • L210M 100%  
seen=1,112 • R211S 100%  
seen=1,289 • F214L 100%  
seen=918 • V243E 100%  
seen=358

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

- V179I** is a polymorphic mutation that is frequently selected in persons receiving ETR and RPV. However, it has little, if any, direct effect on NNRTI susceptibility.

No drug resistance mutations were found for NRTI.

Drug resistance mutation scores of NNRTI:

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▼

Rule	DOR ⚡	EFV ⚡	ETR ⚡	NVP ⚡	RPV ⚡
<a href="#">K103N</a>	0	60	0	60	0

INSTI Major Mutations:None

INSTI Accessory Mutations:None

IN Other Mutations:D6DE 1: 100%  
seen=176 D: 47% • K14R 100%  
seen=206 • A21T 100%  
seen=228 • D25DE 0: 100%  
seen=264 R: 100% • V33I 100%  
seen=326 • L45LJ 1: 100%  
seen=177 L: 11% • I72V 100%  
seen=176 • T112M 100%  
seen=161 • I113V 100%  
seen=161 • T124A 100%  
seen=12 • T125A 100%  
seen=12 • V126F 100%  
seen=12 • G134N 100%  
seen=16 • I135V 100%  
seen=16 • K173R 100%  
seen=202 • Q177QL 1: 100%  
seen=296 D: 47% • V201I 100%  
seen=358 • K219N 100%  
seen=387 • N222K 10%  
seen=318 • L234I 100%  
seen=173 • S283G 100%  
seen=128

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.