

PI Major Mutations:None

PI Accessory Mutations:None

PR Other Mutations:L10V14%
seen=45,885 • T12I10%
seen=42,117 • G16E10%
seen=42,753 • E35D10%
seen=48,347 • M36I10%
seen=48,342 • R41K10%
seen=48,290 • R57K14%
seen=42,352 • L63C14%
seen=39,249 • H69K10%
seen=34,927 • L89M10%
seen=21,635

Protease Inhibitors	
atazanavir/r (ATV/r)	Susceptible
darunavir/r (DRV/r)	Susceptible
lopinavir/r (LPV/r)	Susceptible

PR comments

Other

- L10V are polymorphic, PI-selected accessory mutations that increase the replication of viruses with other PI-resistance mutations.

No drug resistance mutations were found for PI.

NRTI Mutations:None

NNRTI Mutations:E138A10%
seen=20,880

RT Other Mutations:E6K14%
seen=22,863 • V35T10%
seen=18,311 • S48ST1: 12% 2: 27%
seen=17,525 • V60I10%
seen=17,383 • V118V1: 10% 2: 12%
seen=16,208 • K122E10%
seen=16,355 • D123E10%
seen=17,305 • I135T10%
seen=20,527 • K166KT1: 10% 2: 10%
seen=21,852 • K173S10%
seen=20,305 • Q174KR1: 10% 2: 20%
seen=20,303 • N175H10%
seen=20,854 • D177E10%
seen=21,852 • V179I10%
seen=21,862 • T200A10%
seen=20,246 • I202V10%
seen=20,254 • Q207EK0: 10% 1: 10%
seen=21,752 • R211RS1: 10% 2: 47%
seen=21,552 • F214L10%
seen=19,625 • S251C10%
seen=20,812 • A272P10%
seen=21,967 • K277R10%
seen=20,875 • T286A10%
seen=18,300 • E291D10%
seen=16,753 • I293V10%
seen=16,481 • P194T10%
seen=16,813 • E312D10%
seen=17,232

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

RT comments

NNRTI

- E138A is a common polymorphic accessory mutation weakly selected in persons receiving ETR and RPV. It reduces ETR and RPV susceptibility ~2-fold. Its effect on ETR- and RPV-containing regimens is likely to be minimal.

Other

- V118I is a polymorphic accessory NRTI-resistance mutation that often occurs in combination with multiple TAMs.
- 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.
- This virus is predicted to have low-level reduced susceptibility to **RPV**. The use of the combination of CAB/**RPV** should be considered to be relatively contraindicated.

No drug resistance mutations were found for NRTI.

Drug resistance mutation scores of NNRTI:

Download CSV

Rule	DOR ⬆	EFV ⬆	ETR ⬆	NVP ⬆	RPV ⬆
E138A	0	0	10	0	15