HIVDB 9.5.1 (2023-11-05) Drug resistance interpretation: PR

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PI Major Mutations: None

PI Accessory Mutations: None

PR Other Mutations: T12A ... · I13V ... · K14R ... · G16E ... · R41K ... · L63S ... · I64V ... · E65D ... · I72V ...

# 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 saguinavir/r (SQV/r) Susceptible tipranavir/r (TPV/r) Susceptible

Mutation scoring: PR

No drug resistance mutations were found for PI.

Drug resistance interpretation: RT

NRTI Mutations: K219KQ K see, o are

NNRTI Mutations: K103KN N TON A 2010 V179T NO. P225H NO.

RT Other Mutations: V35T == . \* T39G == . \* K104KR === . \* D121DHY === . \* D121DHY === . \* D121E == . \* D121E == . \* K173KE === . \* L200Q == . \* C207G == . \* R211K == . \* V255H == . \* D250E == . \* A554NS === . \* L200Q == . \* C207G == . \* R211K ==

## Nucleoside Reverse Transcriptase Inhibitors

#### Susceptible abacavir (ABC) zidovudine (AZT) Potential Low-Level Resistance stavudine (D4T) Potential Low-Level Resistance didanosine (DDI) Susceptible emtricitabine (FTC) Susceptible

lamivudine (3TC) Susceptible tenofovir (TDF) Susceptible

## Non-nucleoside Reverse Transcriptase Inhibitors

doravirine (DOR) Intermediate Resistance efavirenz (EFV) High-Level Resistance etravirine (ETR) Susceptible nevirapine (NVP) High-Level Resistance rilpivirine (RPV) Susceptible

#### RT comments

### NRTI

K219E/Q/N/R are accessory TAMS that usually occur in combination with multiple other TAMs.

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#### NNRTI

- . K103N is a non-polymorphic mutation that confers high-level reductions in NVP and EFV susceptibility. It is the most commonly transmitted DRM.
- V179T is a rare non-polymorphic mutation occasionally selected in persons receiving NNRTIs. It is associated with minimal, if any, reduction in ETR and RPV susceptibility.
- . P225H is a non-polymorphic EFV-selected mutation that usually occurs in combination with K103N. The combination of P225H and K103N synergistically reduces NVP, EFV and DOR susceptibility.

Mutation scoring: RT HIVDB 9.5.1 (2023-11-05)

Drug resist	tance mut	Do	Download CSV				
Rule	ABC ÷	AZT ≑	D4T ≑	DDI ÷	FTC ÷	3ТС ≑	TDF
K219KQ	5	10	10	5	0	0	5

Drug resistance mutation scores of NNRTI:

-					
Rule	DOR ÷	EFV ÷	ETR ÷	NVP ≑	RPV ≑
K103KN + P225H	10	0	0	0	0
P225H	20	45	0	45	0
K103KN	0	60	0	60	0
Total	30	105	0	105	0

Drug resistance interpretation: IN	Drug resistance interpretation: IN							
INSTI Major Mutations: None INSTI Accessory Mutations: T97A IN Other Mutations: S17N								
Integrase Strand Tra	ransfer Inhibitors							
bictegravir (BIC) cabotegravir (CAB) dolutegravir (DTG) elvitegravir (EVG) raltegravir (RAL)	Susceptible Susceptible Susceptible Potential Low-Level Resistance Potential Low-Level Resistance							
IN comments								
• T97A is a polymorphic INSTI-selected mutation that, depending on subtype, occurs in 1% to 5% of viruses from untreated persons. Alone, it has minimal effects on INSTI susceptibility to each of the INSTIs.								
Mutation scoring: IN	HIVDB 9.5.1 (2023-11-05)							
Drug resistance mutation scores of INST           Rule         BIC ⇒         CAB ⇒         D           197A         0         0	Ti: Download CSV ▼  DTG   EVG   RAL   0 10 10							