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

PI Major Mutations: None

PI Accessory Mutations: Non

PR Other Mutations: 113V ms. \* K20R ms. \* K20R ms. \* E35N ms. \* E35N ms. \* M361 ms. \* N37D ms. \* R41K ms. \* R57K ms. \* H69K ms. \* K70KR ms. ms. \*

### Protease Inhibitors

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

#### PR comments

Mutation scoring: PR

#### Other

K20R is a highly polymorphic PI-selected accessory mutation that increases replication fitness in viruses with PI-resistance mutations.

Drug resistance interpretation: RT

HIVDB 9.5.1 (2023-11-05)

HIVDB 9.5.1 (2023-11-05)

HIVDB 9.5.1 (2023-11-05)

No drug resistance mutations were found for PI.

NRTI Mutations: T215TI 1.87%, 1.27%

NNRTI Mutations: K103KN s. rm. s. and P225PH s. sm. s. and

RT Other Mutations: Q23QR own a raw V35IT com are S162C own 6 R21NS com are V245I own 6 R21NS co

Nucleoside Reverse Transcriptase Inhibitors

abacavir (ABC)

zidovudine (AZT)

stavudine (D4T)

didanosine (DDI)

Susceptible

Low-Level Resistance

Low-Level Resistance

didanosine (DDI) Potential Low-Level Resistance
emtricitabine (FTC) Susceptible
lamivudine (3TC) Susceptible

Susceptible

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

Non-nucleoside Reverse Transcriptase Inhibitors

### RT comments

tenofovir (TDF)

## NRTI

T215Y/F are TAMs that causes intermediate/high-level resistance to AZT and potentially low-level resistance to AZT and potentially low-level

# NNRTI

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

Drug resistance mutation scores of NRTI: Download CS

Rule	ABC ÷	AZT ≑	D4T ≑	DDI ÷	FTC ÷	зтс ≑	TDF ÷
T215TI	5	20	20	10	0	0	5

Drug resistance mutation scores of NNRTI:

Rule	DOR ÷	EFV ÷	ETR ÷	NVP ≑	RPV ÷
K103KN + P225PH	10	0	0	0	0
P225PH	20	45	0	45	0
K103KN	0	60	0	60	0
Total	30	105	0	105	0

INSTI Major Mutations: INSTI Accessory Mutations: IN Other Mutations:	None None K14R === * V31I === * S39C === *  72V === * T112IV == * T		
Integrase Strand Transfer Inhibitors			
bictegravir (BIC)	Susceptible		

HIVDB 9.5.1 (2023-11-05)

Drug resistance interpretation: IN

No drug resistance mutations were found for INSTI.

cabotegravir (CAB) dolutegravir (DTG) elvitegravir (EVG) raltegravir (RAL) Susceptible Susceptible Susceptible Susceptible

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