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

PI Major Mutations: None

PI Accessory Mutations:

T12P == 13V == K14R == C218H == K20R = PR Other Mutations:

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 Susceptible saquinavir/r (SQV/r) tipranavir/r (TPV/r) Susceptible

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

No drug resistance mutations were found for PI.

HIVDB 9.5.1 (2023-11-05)

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T69TD 1.87%, D. 17%* V75VM % 67%, V. 27%* M184V 207%

NRTI Mutations: NNRTI Mutations: None

RT Other Mutations:

V35T : T39A : V60I : T39A : V60I : V50I : T39A : V60I : V60I : V60I : V530R : V60I : V530R : V548V : V60I : V548V : V60I : V548V : V60I : V548V : V60I : V60

Nucleoside Reverse Transcriptase Inhibitors		Non-nucleoside Reverse Transcriptase Inhibi	
abacavir (ABC)	Low-Level Resistance	doravirine (DOR)	Susce
zidovudine (AZT)	Susceptible	efavirenz (EFV)	Susce
stavudine (D4T)	Intermediate Resistance	etravirine (ETR)	Suscep
didanosine (DDI)	Intermediate Resistance	nevirapine (NVP)	Suscep
emtricitabine (FTC)	High-Level Resistance	rilpivirine (RPV)	Suscep

RT comments

NRTI

lamivudine (3TC)

tenofovir (TDF)

T69D is a nonpolymorphic mutation selected by early NRTIs that does not appear to reduce AZT, ABC, or TDF susceptibility.

High-Level Resistance

Susceptible

- V75T/M/A/5 are nonpolymorphic accessory NRTI-selected mutations. They appear to have minimal phenotypic effects on AZT, ABC, and TDF.
- M184V/I cause high-level in vitro resistance to 3TC and FTC and low/intermediate resistance to ABC (3-fold reduced susceptibility). M184V/I are not contraindications to continued treatment with 3TC or FTC because they increase susceptibility to AZT and TDF and are associated with clinically significant reductions in HIV-1 replication.

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.

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

Drug resistance mutation scores of NRTI:					Do	Download CSV		
Rule	ABC ‡	AZT ≑	D4T ≑	DDI 💠	FTC ÷	зтс ≑	TDF 0	
M184V	15	-10	-10	10	60	60	-10	
V75VM	0	10	30	15	0	0	0	
<u>T69TD</u>	0	0	10	30	0	0	0	
Total	15	0	30	55	60	60	-10	

No drug resistance mutations were found for NNRTI.

		, ,
INSTI Major Mutations: INSTI Accessory Mutations: IN Other Mutations:	None None K7R ::::::: \$17N :::::::: \$17N ::::::: \$17N ::::::: \$17N :::::::: \$17N ::::::::: \$17N :::::::: \$17N ::::::: \$17N :::::::: \$17N ::::::: \$17N :::::: \$17N ::::::: \$17N :::::: \$17N ::::: \$17N :::::: \$17N ::::: \$17N :::::: \$17N :::::: \$17N :::::: \$17N ::::: \$17N :::::: \$17	
Integrase Strand Transfer Inh	shibitors	
bictegravir (BIC)	Susceptible	ľ
cabotegravir (CAB) dolutegravir (DTG)	Susceptible	,
	Susceptible	,

HIVDB 9.5.1 (2023-11-05)

Drug resistance interpretation: IN

No drug resistance mutations were found for INSTI.

Susceptible Susceptible

HIVDB 9.5.1 (2023-11-05)