

Drug resistance interpretation: PR

HIVDB 9.5.1 (2023-11-05)

PI Major Mutations:

None

PI Accessory Mutations:

None

PR Other Mutations:

L10V 100%
seen(2,758) • I13V 98%
seen(2,963) • G16E 100%
seen(2,962) • K20R 98%
seen(2,751) • E35D 100%
seen(5,835) • M36I 99%
seen(5,835) • R41K 100%
seen(5,349) • L63T 99%
seen(2,758) • H69K 100%
seen(2,958) • L89M 98%
seen(4,289)

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

PR comments

Other

L10I/V

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

K20R

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

Mutation scoring: PR	HIVDB 9.5.1 (2023-11-05)
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No drug resistance mutations were found for PI.

Drug resistance interpretation: RT	HIVDB 9.5.1 (2023-11-05)
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NRTI Mutations:	None
NNRTI Mutations:	None
RT Other Mutations:	K20R <small>100% seen(1,575)</small> • V21I <small>100% seen(1,575)</small> • V35T <small>100% seen(1,620)</small> • T39E <small>98% seen(1,399)</small> • K49KR <small>N: 98% seen(1,398)</small> N: 100% seen(1,398) • V60I <small>100% seen(1,526)</small> • K166KR <small>N: 100% seen(2,333)</small> N: 100% seen(2,328) • E169A <small>99% seen(2,328)</small> • K173S <small>100% seen(2,300)</small> • Q174K <small>100% seen(2,300)</small> • D177E <small>99% seen(2,309)</small> • V179I <small>99% seen(2,310)</small> • T200A <small>99% seen(1,361)</small> • I202V <small>99% seen(1,961)</small> • Q207E <small>100% seen(1,660)</small> • R211K <small>100% seen(1,575)</small> • V245Q <small>100% seen(420)</small> • E248D <small>99% seen(357)</small> • A354T <small>100% seen(237)</small>

Nucleoside Reverse Transcriptase Inhibitors		Non-nucleoside Reverse Transcriptase Inhibitors	
abacavir (ABC)	Susceptible	doravirine (DOR)	Susceptible
zidovudine (AZT)	Susceptible	efavirenz (EFV)	Susceptible
stavudine (D4T)	Susceptible	etravirine (ETR)	Susceptible
didanosine (DDI)	Susceptible	nevirapine (NVP)	Susceptible
emtricitabine (FTC)	Susceptible	rilpivirine (RPV)	Susceptible
lamivudine (3TC)	Susceptible		
tenofovir (TDF)	Susceptible		

RT comments	
Other	
<ul style="list-style-type: none">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.	

Mutation scoring: RT	HIVDB 9.5.1 (2023-11-05)
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No drug resistance mutations were found for NRTI.

No drug resistance mutations were found for NNRTI.

Drug resistance interpretation: IN	HIVDB 9.5.1 (2023-11-05)
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INSTI Major Mutations:	None
INSTI Accessory Mutations:	None
IN Other Mutations:	K14R <small>100% seen(728)</small> • R20K <small>99% seen(780)</small> • V31V <small>V: 100% seen(1,130)</small> V: 100% seen(1,275) • I60M <small>99% seen(767)</small> • I72V <small>100% seen(542)</small> • Q95QHNS <small>D: 100% seen(827)</small> D: 100% seen(827) N: 100% seen(1,275) • E96ED <small>D: 100% seen(297)</small> D: 100% seen(349) • Y99YH <small>V: 99% seen(822)</small> V: 100% seen(1,275) • T112I <small>99% seen(376)</small> • I113V <small>100% seen(376)</small> • T124A <small>99% seen(817)</small> • T125A <small>99% seen(827)</small> • G134N <small>100% seen(871)</small> • K136Q <small>99% seen(871)</small> • V201I <small>100% seen(717)</small> • T218S <small>100% seen(791)</small> • D256E <small>100% seen(541)</small>

Integrase Strand Transfer Inhibitors	
bictegravir (BIC)	Susceptible
cabotegravir (CAB)	Susceptible
dolutegravir (DTG)	Susceptible
elvitegravir (EVG)	Susceptible
raltegravir (RAL)	Susceptible

Mutation scoring: IN	HIVDB 9.5.1 (2023-11-05)
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No drug resistance mutations were found for INSTI.