Drug resistance interpretation: PR

HIVDB 9.5.1 (2023-11-05)

PI Major Mutations: None
PI Accessory Mutations: None
PR Other Mutations: I13V 100% (n=2,935) • G17E 56% (n=2,903) • K20R 99% (n=2,879) • E35N 99% (n=3,876) • M36I 99% (n=3,876) • R41K 99% (n=3,302) • K45R 99% (n=3,879) • R57K 99% (n=3,565) • L63S 99% (n=3,564) • H69K 99% (n=3,269) • L89M 100% (n=3,359)

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

- **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)

No drug resistance mutations were found for PI.

Drug resistance interpretation: RT

HIVDB 9.5.1 (2023-11-05)

NRTI Mutations: None
NNRTI Mutations: None
RT Other Mutations: E6K 100% (n=2,955) • V35T 100% (n=2,957) • T39L 95% (n=2,885) • E40D 52% (n=1,563) • V60I 96% (n=2,908) • K122E 100% (n=3,010) • D123S 96% (n=2,928) • I135T 99% (n=2,952) • I142V 96% (n=2,916) • S162HY 71.77%, Y 23% (n=2,929) • K173S 100% (n=2,963) • D177E 100% (n=2,979) • V179I 100% (n=2,963) • Q207A 100% (n=2,924) • R211S 100% (n=2,961) • V245I 99% (n=2,951)

Nucleoside Reverse Transcriptase Inhibitors	
abacavir (ABC)	Susceptible
zidovudine (AZT)	Susceptible
stavudine (D4T)	Susceptible
didanosine (DDI)	Susceptible
emtricitabine (FTC)	Susceptible
lamivudine (3TC)	Susceptible
tenofovir (TDF)	Susceptible

Non-nucleoside Reverse Transcriptase Inhibitors	
doravirine (DOR)	Susceptible
efavirenz (EFV)	Susceptible
etravirine (ETR)	Susceptible
nevirapine (NVP)	Susceptible
rilpivirine (RPV)	Susceptible

RT comments

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.

Mutation scoring: RT

HIVDB 9.5.1 (2023-11-05)

No drug resistance mutations were found for NRTI.

No drug resistance mutations were found for NNRTI.