

Drug resistance interpretation: PR

PI Major Mutations:

PI Accessory Mutations:

PR Other Mutations:

None

None

I13V 100%
cons=17,290 • K20R 100%
cons=19,211 • E35D 100%
cons=44,216 • M36I 100%
cons=44,212 • R41K 100%
cons=44,292 • R57K 100%
cons=40,211 • H69K 100%
cons=15,171 • L89M 100%
cons=19,210

Protease Inhibitors

atazanavir/r (ATV/r)

darunavir/r (DRV/r)

lopinavir/r (LPV/r)

Susceptible

Susceptible

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:

NNRTI Mutations:

RT Other Mutations:

None

[K103KN](#) 100%
N=1476, N=1476
cons=11,000

K20R 100%
cons=18,140 • V21I 100%
cons=14,200 • V35T 100%
cons=14,100 • T39KQ 100%
N=1476, N=1476
cons=14,000 • V60I 100%
cons=11,000 • K122E 100%
cons=14,000 • D123N 100%
cons=10,100 • I135IT 100%
N=1476, N=1476
cons=10,100 • K173S 100%
cons=10,100 • Q174K 100%
cons=10,100 • D177E 100%
cons=10,100 • V179I 100%
cons=10,100 • T200A 100%
cons=14,000 • I202V 100%
cons=14,100 • Q207A 100%
cons=12,000 • R211S 100%
cons=12,000 • V245Q 100%
cons=14,000 • E248D 100%
cons=14,100 • T286A 100%
cons=12,000 • E291D 100%
cons=12,000 • V292I 100%
cons=12,000 • I293V 100%
cons=12,000 • P294T 100%
cons=12,000 • L295M 100%
cons=11,000 • E312D 100%
cons=12,000

Nucleoside Reverse Transcriptase Inhibitors

Non-nucleoside Reverse Transcriptase Inhibitors

abacavir (ABC)

zidovudine (AZT)

emtricitabine (FTC)

lamivudine (3TC)

tenofovir (TDF)

Susceptible

Susceptible

Susceptible

Susceptible

Susceptible

doravirine (DOR)

efavirenz (EFV)

etravirine (ETR)

nevirapine (NVP)

rilpivirine (RPV)

Susceptible

High-Level Resistance

Susceptible

High-Level Resistance

Susceptible

RT comments

NNRTI

Other

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

Drug resistance mutation scores of NNRTI:

Rule	DOR ⬆	EFV ⬆	ETR ⬆	NVP ⬆	RPV ⬆
K103KN	0	60	0	60	0