

Drug resistance interpretation: PRHIVDB 9.5.1 (2023-11-05)

PI Major Mutations:None

PI Accessory Mutations:None

PR Other Mutations:I13V100%
seen=1,333 • K20R98%
seen=1,362 • E35D100%
seen=1,407 • M36I100%
seen=1,407 • R41K100%
seen=1,409 • R57K100%
seen=1,349 • H69K100%
seen=1,409 • L89M100%
seen=1,339

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: PRHIVDB 9.5.1 (2023-11-05)

No drug resistance mutations were found for PI.

Drug resistance interpretation: RTHIVDB 9.5.1 (2023-11-05)

NRTI Mutations:E44D100%
seen=136 • S68G100%
seen=120

NNRTI Mutations:None

RT Other Mutations:K11T100%
seen=1,302 • V35T100%
seen=320 • T39E100%
seen=792 • K43R100%
seen=752 • K46KQ100%
seen=178 • K49KR100%
seen=787 • V118I100%
seen=423 • D123N100%
seen=575 • T200A100%
seen=52 • I202V100%
seen=113 • Q207A100%
seen=59 • R211K100%
seen=86 • F214L100%
seen=59 • V245Q100%
seen=171 • E248NS100%
seen=240 • A272P100%
seen=1272 • K277R100%
seen=279 • E291D100%
seen=267 • V292I100%
seen=267 • I293V100%
seen=266 • P294T100%
seen=1286 • L295M100%
seen=306 • K311HQ100%
seen=179 • E312DN100%
seen=273 • K512Q100%
seen=1,353 • E514ED100%
seen=1,101 • S519N100%
seen=1,111 • Q520L100%
seen=1,000 • Q524K100%
seen=1,371 •

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

NRTI

- E44D is a relatively non-polymorphic accessory mutation; E44A is a nonpolymorphic accessory mutation. Each usually occurs with multiple TAMs.
- S68G is a polymorphic mutation that is often selected in combination with K65R. It partially restores the replication defect associated with K65R.

Other

- V118I is a polymorphic accessory NRTI-resistance mutation that often occurs in combination with multiple TAMs.

Mutation scoring: RTHIVDB 9.5.1 (2023-11-05)

No drug resistance mutations were found for NRTI.

No drug resistance mutations were found for NNRTI.

Drug resistance interpretation: INHIVDB 9.5.1 (2023-11-05)

INSTI Major Mutations:None

INSTI Accessory Mutations:None

IN Other Mutations:V31I100%
seen=1,149 • I60M100%
seen=1,171 • I72V100%
seen=7,002 • I113V100%
seen=982 • T124A100%
seen=1,109 • T125A100%
seen=1,109 • V126F100%
seen=1,109 • G134N100%
seen=1,792 • I135V100%
seen=1,792 • K136Q100%
seen=1,792 • Q137L100%
seen=1,802 • F181L100%
seen=1,294 • V201I100%
seen=7,201 • Y227F100%
seen=7,207 • D253Y100%
seen=1,327 • S255N100%
seen=1,106 • D256E100%
seen=1,106 • S283G100%
seen=1,400 • R284RG100%
seen=1,409 •

Integrase Strand Transfer Inhibitors

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

Mutation scoring: INHIVDB 9.5.1 (2023-11-05)

No drug resistance mutations were found for INSTI.