

Drug resistance interpretation: PR

HIVDB 9.5.1 (2023-11-05)

PI Major Mutations:

PI Accessory Mutations:

PR Other Mutations:

None

None

L33V

100%

seen:1,346

 • R41K

99%

seen:2,724

 • L63T

99%

seen:1,225

 • I64V

99%

seen:2,136

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

• L33I/V are minimally polymorphic mutations that do not appear to be selected by PIs or to reduce their susceptibility.

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:	K11KQR <small>N: 1.67% seen:1,365</small> Q: 10% seen:1,274 • K32R <small>99% seen:1,214</small> • V35T <small>99% seen:1,208</small> • K49R <small>100% seen:1,355</small> • V60I <small>100% seen:1,318</small> • D121DH <small>N: 70% seen:1,353</small> Q: 10% seen:1,353 • K122AE <small>N: 90% seen:1,609</small> A: 14% seen:1,293 • K173S <small>99% seen:1,293</small> • Q174K <small>100% seen:1,293</small> • D177E <small>99% seen:1,369</small> • I178L <small>99% seen:1,369</small> • E194N <small>99% seen:1,233</small> • G196E <small>99% seen:1,207</small> • T200I <small>99% seen:1,209</small> • Q207E <small>99% seen:1,072</small> • R211K <small>100% seen:1,209</small> • V243E <small>99% seen:1,055</small> • D250E <small>99% seen:1,022</small> • A554N <small>100% seen:17</small> • V559I <small>100% seen:126</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		

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:	S17N <small>99% seen:151</small> • S39N <small>100% seen:157</small> • M50L <small>100% seen:152</small> • L101I <small>97% seen:178</small> • T112V <small>100% seen:121</small> • I113I/V <small>N: 70% seen:162</small> V: 10% seen:162 • T124N <small>99% seen:130</small> • T125A <small>99% seen:130</small> • V126VA <small>N: 90% seen:138</small> V: 10% seen:138 • I141I/V <small>N: 87% seen:171</small> V: 10% seen:171 • G163E <small>100% seen:158</small> • V201I <small>100% seen:120</small> • K211R <small>100% seen:178</small> • T218I <small>100% seen:186</small> • Q221N <small>99% seen:181</small> • L234I/V <small>N: 90% seen:190</small> V: 10% seen:190 • D270H <small>99% seen:123</small> • S283G <small>99% seen:1407</small> • R284G <small>99% seen:1409</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.