

Drug resistance interpretation: PR		HIVDB 9.5.1 (2023-11-05)
PI Major Mutations:	None	
PI Accessory Mutations:	F33Y <small>100% HIV-2_205</small>	
PR Other Mutations:	I13V <small>100% HIV-2_217</small> • E35D <small>100% HIV-2_263</small> • M36I <small>100% HIV-2_263</small> • R41K <small>100% HIV-2_212</small> • K45R <small>100% HIV-2_205</small> • R57K <small>100% HIV-2_202</small> • L63S <small>100% HIV-2_272</small> • H69K <small>100% HIV-2_275</small> • L89M <small>100% HIV-2_329</small>	
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		
Accessory		
<ul style="list-style-type: none"><li>F33L is a nonpolymorphic accessory mutation selected primarily by SQV, IDV, ATV and LPV. In combination with other mutations, it is associated with reduced susceptibility to ATV and possibly LPV. <b>F53Y</b> is an uncommon nonpolymorphic accessory PI-selected mutation that has not been well studied.</li></ul>		

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)

NRTI Mutations:

None

NNRTI Mutations:

None

RT Other Mutations:

E6A 100%  
HIV-2\_229 • K11T 100%  
HIV-2\_267 • K20R 100%  
HIV-2\_267 • V21I 100%  
HIV-2\_267 • V35T 100%  
HIV-2\_790 • T39N 100%  
HIV-2\_772 • K122E 100%  
HIV-2\_132 • S162A 100%  
HIV-2\_792 • K173S 100%  
HIV-2\_258 • Q174K 100%  
HIV-2\_258 • D177E 100%  
HIV-2\_261 • V179I 100%  
HIV-2\_281 • T200A 100%  
HIV-2\_275 • I202V 100%  
HIV-2\_261 • R206K 100%  
HIV-2\_258 • Q207N 100%  
HIV-2\_258 • R211K 100%  
HIV-2\_261 • V245Q 100%  
HIV-21 • D250E 100%  
HIV-85 • I542V 100%  
HIV-58 • A554S 100%  
HIV-132 • V559I 100%  
HIV-126

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)
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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)
INSTI Major Mutations:	None	
INSTI Accessory Mutations:	None	
IN Other Mutations:	E11D <small>100% HIV-212</small> • S24N <small>100% HIV-211</small> • V31I <small>100% HIV-212</small> • <b>E92EK</b> <small>1: 177% R: 27% HIV-129</small> • L101V <small>100% HIV-221</small> • T112V <small>100% HIV-227</small> • T124A <small>100% HIV-241</small> • T125A <small>100% HIV-241</small> • G134N <small>100% HIV-271</small> • K136Q <small>100% HIV-271</small> • <b>G149GR</b> <small>1: 40% R: 27% HIV-262</small> • D167E <small>100% HIV-214</small> • V201I <small>100% HIV-211</small> • I208M <small>100% HIV-212</small> • Q216H <small>100% HIV-214</small>	
Integrase Strand Transfer Inhibitors		
bictegravir (BIC)	Susceptible	
cabotegravir (CAB)	Susceptible	
dolutegravir (DTG)	Susceptible	
elvitegravir (EVG)	Susceptible	
raltegravir (RAL)	Susceptible	
IN comments		
Other		
<ul style="list-style-type: none"><li>E92Q is a common non-polymorphic mutation selected in persons receiving RAL and EVG. It reduces RAL susceptibility 5 to 10-fold and EVG susceptibility ~30-fold. It does not reduce susceptibility to BIC, CAB, and DTG. E92G/V are rare nonpolymorphic mutations that reduce EVG susceptibility &gt;=10-fold but do not appear to reduce susceptibility to other INSTIs. <b>E92K</b> is an unusual mutation at this position.</li></ul>		
Mutation scoring: IN		
HIVDB 9.5.1 (2023-11-05)		

No drug resistance mutations were found for INSTI.