

Drug resistance interpretation: PR		HIVDB 9.5.1 (2023-11-05)
PI Major Mutations:	None	
PI Accessory Mutations:	None	
PR Other Mutations:	V11P • T12V • I13S • K14R • I15L • G16E • K20R • E35D • M36I • R41K • R57K • L63V • E65D • H69K • L89M	
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		
<ul style="list-style-type: none">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)
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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:	E44D
NNRTI Mutations:	K103N
RT Other Mutations:	E28K • V35T • T39D • K102Q • D121H • K122E • K173T • Q174K • D177E • V179I • T200A • I202V • Q207A • R211S • K219K • V243Q • E248K • K249Q • N255M • D256T • I257Y • Q258R • Δ259-260 • V261X • G262S • K263R • L264N • N265K • W266L • A267G • A272P • V276* • K277A • Q278T • L279Y • C280V • K281R • R284S

Nucleoside Reverse Transcriptase Inhibitors		Non-nucleoside Reverse Transcriptase Inhibitors	
abacavir (ABC)	Susceptible	doravirine (DOR)	Susceptible
zidovudine (AZT)	Susceptible	efavirenz (EFV)	High-Level Resistance
stavudine (D4T)	Susceptible	etravirine (ETR)	Susceptible
didanosine (DDI)	Susceptible	nevirapine (NVP)	High-Level Resistance
emtricitabine (FTC)	Susceptible	rilpivirine (RPV)	Susceptible
lamivudine (3TC)	Susceptible		
tenofovir (TDF)	Susceptible		

RT comments
NRTI
▪ E44D is a relatively non-polymorphic accessory mutation; E44A is a nonpolymorphic accessory mutation. Each usually occurs with multiple TAMs.
NNRTI
▪ K103N is a non-polymorphic mutation that confers high-level reductions in NVP and EFV susceptibility. It is the most commonly transmitted DRM.
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.

Drug resistance mutation scores of NNRTI:					Download CSV
Rule	DOR	EFV	ETR	NVP	RPV
K103N	0	60	0	60	0