HIVDB 9.5.1 (2023-11-05) Drug resistance interpretation: PR

PI Major Mutations: None

L33F 10% PI Accessory Mutations:

PR Other Mutations: 113V 115 - M36I 115 - P39S 115 - R41K 115 - R57K 115 - L63H 115 - 164L 115 - H69K 115 - K70R 115 - 172T 115 - L89M 115 -

Protease Inhibitors

atazanavir/r (ATV/r) Susceptible darunavir/r (DRV/r) Susceptible

Potential Low-Level Resistance fosamprenavir/r (FPV/r)

indinavir/r (IDV/r) Susceptible

lopinavir/r (LPV/r) Susceptible

nelfinavir (NFV) Potential Low-Level Resistance Susceptible

saquinavir/r (SQV/r)

tipranavir/r (TPV/r) Potential Low-Level Resistance

PR comments

Accessory

. L33F is a relatively non-polymorphic accessory mutation selected by each of the PIs. In combination with other PI-resistance mutations, it is associated with reduced susceptibility to LPV, ATV, and DRV.

Mutation scoring: PR

HIVDB 9.5.1 (2023-11-05)

Drug resistance mutation scores of Pt:							Download CSV	
Rule	ATV/r ≑	DRV/r ÷	FPV/r ÷	IDV/r ÷	LPV/r ÷	NFV ≑	sQV/r ≑	TPV/r :
L33F	5	5	10	5	5	10	5	10

Drug resistance interpretation: RT

HIVDB 9.5.1 (2023-11-05)

NRTI Mutations: None NNRTI Mutations: None

E6K . K11A . V35T . E514D . S519N . Q524K . K327R . E529D . A534S . L551I . A554S RT Other Mutations:

Nucleoside Reverse Transcriptase Inhibitors

Non-nucleoside Reverse Transcriptase Inhibitors

abacavir (ABC) Susceptible zidovudine (AZT) Susceptible stavudine (D4T) Susceptible didanosine (DDI) Susceptible emtricitabine (FTC) Susceptible lamivudine (3TC) Susceptible

Susceptible

doravirine (DOR) Susceptible Susceptible efavirenz (EFV) etravirine (ETR) Susceptible nevirapine (NVP) Susceptible rilpivirine (RPV) Susceptible

Mutation scoring: RT

tenofovir (TDF)

HIVDB 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: IN

HIVDB 9.5.1 (2023-11-05)

INSTI Major Mutations: G118R INSTI Accessory Mutations:

IN Other Mutations:

Integrase Strand Transfer Inhibitors

Intermediate Resistance bictegravir (BIC) cabotegravir (CAB) High-Level Resistance dolutegravir (DTG) Intermediate Resistance elvitegravir (EVG) High-Level Resistance High-Level Resistance raltegravir (RAL)

IN comments

Major

- G118R is a nonpolymorphic mutation reported in a significant proportion of persons with VF and emergent HIVDR in persons receiving a DTG-containing regimen. It has occasionally been reported in persons receiving other INSTIs. It is associated with 5-10-fold reduced susceptibility to RAL, EVG, DTG and CAB, and 2-3 fold reduced susceptibility to BIC.
- . There is evidence for intermediate DTG resistance. If DTG is used, it should be administered twice daily.

Rule BIC \(\phi\) CAB \(\phi\) DTG \(\phi\) EVG \(\phi\) RAL \(\phi\)

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