

Drug resistance mutation scores of INSTI:

IN comments

Mutation scoring: IN

Drug resistance interpretation: PR HIVDB 9.5.1 (2023-11-05) 1541L 1700.0 200. PI Major Mutations:

PI Accessory Mutations:

K20KT 6 70%, 1 20%

PR Other Mutations:

113V 1000 - 115V 1000 - E34EN 1 100 A 1000 - E35ED 1 100 A 2000 - M36J 1000 - R41K 1000 - R57K 1000 - D60E 1000 - 162V 1000 - L63P 1000 -

## Protease Inhibitors

atazanavir/r (ATV/r) Low-Level Resistance darunavir/r (DRV/r) Low-Level Resistance fosamprenavir/r (FPV/r) High-Level Resistance Low-Level Resistance indinavir/r (IDV/r) lopinavir/r (LPV/r) Low-Level Resistance Intermediate Resistance nelfinavir (NFV) saquinavir/r (SQV/r) Low-Level Resistance tipranavir/r (TPV/r) Susceptible

## PR comments

## Major

IS4M/L are non-polymorphic mutations selected primarily by FPV and DRV. IS4M/L reduce susceptibility to LPV, ATV, and DRV.

## Accessory

- K20T is a non-polymorphic accessory PI-selected mutation associated with reduced susceptibility to ATV and LPV.
- . There is evidence for low-level DRV resistance. If DRV is administered it should be used twice daily.

Drug resistance mutation scores of PI:

Mutation scoring: PR

Dula ATV/e = DOV/e = COV/e = IDV/e = IDV/e = NEV = COV/e =

0 -10 -10

HOURS.	Winds 4	Dictili +	rr dir +	abeji +	Er epr +	MI V V	angula +
K20KT	5	0	5	5	0	15	5
154IL	15	20	60	10	20	20	15
Total	20	20	65	15	20	35	20

Drug resistance interpretation: RT

abacavir (ABC)

tenofovir (TDF)

zidovudine (AZT)

NRTI Mutations:

RT Other Mutations:

NNRTI Mutations:

None G18GD = 10.0 20.0 V351 = 10.0 1235 = 10.0

> Non-nucleoside Reverse Transcriptase Inhibitors doravirine (DOR)

stavudine (D4T) Susceptible didanosine (DDI) Susceptible emtricitabine (FTC) Susceptible lamivudine (3TC)

Nucleoside Reverse Transcriptase Inhibitors

Susceptible Susceptible

None

Susceptible

Susceptible

Susceptible Susceptible efavirenz (EFV) etravirine (ETR)

Susceptible nevirapine (NVP) Susceptible rilpivirine (RPV) Susceptible

Mutation scoring: RT

No drug resistance mutations were found for NRTI. No drug resistance mutations were found for NNRTI.

Drug resistance interpretation: IN

INSTI Major Mutations: None INSTI Accessory Mutations: T97A \*\*\*\*

IN Other Mutations:

Integrase Strand Transfer Inhibitors bictegravir (BIC) Susceptible

cabotegravir (CAB) Susceptible dolutegravir (DTG) Susceptible Potential Low-Level Resistance elvitegravir (EVG) raltegravir (RAL) Potential Low-Level Resistance

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