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

PI Major Mutations: None

PI Accessory Mutations:

PR Other Mutations: 113V - G16E - E35D - M36I - N37V - R41K - K45KR - A5KR - L63AT - L63AT - H69K - 172IM - A5KR - L89M - L89M

Protease Inhibitors

Susceptible atazanavir/r (ATV/r) darunavir/r (DRV/r) Susceptible fosamprenavir/r (FPV/r) Susceptible indinavir/r (IDV/r) Susceptible lopinavir/r (LPV/r) Susceptible Susceptible nelfinavir (NFV) saguinavir/r (SQV/r) Susceptible tipranavir/r (TPV/r) Susceptible

Mutation scoring: PR HIVDB 9.5.1 (2023-11-05)

No drug resistance mutations were found for PI.

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

NRTI Mutations: None Y188L ---NNRTI Mutations:

RT Other Mutations: E6D 103 - K11KR 115KR 11

Nucleoside Reverse Transcriptase Inhibitors

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

lamivudine (3TC) Susceptible tenofovir (TDF) Susceptible

RT comments

NNRTI

Y188L is a non-polymorphic mutation that confers high-level resistance to NVP, EFV, RPV, and DOR, and potentially low-level resistance to ETR.

Other

Mutation scoring: RT

- T69N/S/A/L/E are relatively non-polymorphic mutations weakly selected in persons receiving NRTIs. They may minimally contribute reduced AZT susceptibility.
- V118I is a polymorphic accessory NRTI-resistance mutation that often occurs in combination with multiple TAMs.

No drug resistance mutations were found for NRTI.

Drug resistance mutation scores of NNRTI: DOR = EFV ÷ ETR ≑ NVP = RPV : 60 60 10 60 60 Y188L

Drug resistance interpretation: IN

HIVDB 9.5.1 (2023-11-05)

HIVDB 9.5.1 (2023-11-05)

INSTI Major Mutations: None None INSTI Accessory Mutations:

IN Other Mutations: • D25E - • V31I - • 160M - • 1113V - • 1124A - • 1125A - • V126F - • 6134N - • 1234A - • V126F - • 6134N - • 1234A - • V201I - • K211R - • K211R - • K212KK - • 1234A - • C123A - • C123A

Integrase Strand Transfer Inhibitors

Susceptible bictegravir (BIC) cabotegravir (CAB) Susceptible dolutegravir (DTG) Susceptible elvitegravir (EVG) Susceptible Susceptible raltegravir (RAL)

Mutation scoring: IN HIVDB 9.5.1 (2023-11-05)

No drug resistance mutations were found for INSTI.