







Mutation list (Resistance mutations compared with strain HXB2 are in bold)

Reverse transcriptase K11T, K30K, E40E, G45G, A62A, E79E, K82K, I94I, Q102K, V108V, F116F, D121Y, K122E, I142V, C162A, D177E, V178I, I180I, R211K, L234L, Q242Q, Q258Q, G273G, R277R, T286A, E312E, I326V, Q334L

Protease V3I, L19L, S37N, **L63A**, K70K, **V77I**, Q92Q

(*): ambiguous codon

Class	Drug	ANRS  12-09/04	DMC  01/04	GAV  11/04	CHL  v5.0-11/04	REGA  v6.3-09/04	STAN  v4.0-10/04
NRTI	Zidovudine	S	S	S	Active	S	S
	Zalcitabine	na	S	S	na	S	na
	Didanosine	S	S	S	Active	S	S
	Stavudine	S	S	S	Active	S	S
	Lamivudine	S	S	S	Active	S	S
	Emtricitabine	S	na	na	Active	S	S
	Abacavir	S	S	S	Active	S	S
	Tenofovir	S	S	S	Active	S	S
NNRTI	Nevirapine	S	S	S	Active	S	S
	Delavirdine	na	S	S	na	S	S
	Efavirenz	S	S	S	Active	S	S
PI/Boosted PI	Indinavir	S	S	S	Active	na	S
	Indinavir/r	na	S	S	Active	S	na
	Saquinavir	na	S	S	na	na	S
	Saquinavir/r	S	na	S	Active	S	na
	Ritonavir	na	S	S	na	S	S
	Nelfinavir	S	S	S	Active	S	S
	Amprenavir	na	S	S	na	na	S
	Amprenavir/r	S	na	S	Active	S	na
	Lopinavir/r	S	S	S	Active	S	S
	Atazanavir	na	S	S	Active	S	S
	Atazanavir/r	S	na	na	Active	S	na
	Tipranavir	na	na	na	na	na	na
	Tipranavir/r	S	S	na	Active	S	na

 not available

 Susceptible/Active







 Possible resistance/Partially active

 Resistance/Inactive

Mutation list (Resistance mutations compared with strain HXB2 are in bold)

Reverse transcriptase V35T, E36D, T39*, V60I, **A98S**, Q102K, **K103N**, I135T, C162S, V178I, D192N, R211K, F214L, **P225***, **P225H***, R277K, E297A
Protease V3I, K14R, **I15V**, **E35D**, S37N, **L63T**, I64V

(*): ambiguous codon

Class	Drug	ANRS  12-09/04	DMC  01/04	GAV  11/04	CHL  v5.0-11/04	REGA  v6.3-09/04	STAN  v4.0-10/04
NRTI	Zidovudine	S	S	S	Active	S	S
	Zalcitabine	na	S	S	na	S	na
	Didanosine	S	S	S	Active	S	S
	Stavudine	S	S	S	Active	S	S
	Lamivudine	S	S	S	Active	S	S
	Emtricitabine	S	na	na	Active	S	S
	Abacavir	S	S	S	Active	S	S
	Tenofovir	S	S	S	Active	S	S
NNRTI	Nevirapine	R	R	R	Inactive	R	R
	Delavirdine	na	R	I	na	R	R
	Efavirenz	R	R	R	Inactive	R	R
PI/Boosted PI	Indinavir	S	S	S	Active	na	S
	Indinavir/r	na	S	S	Active	S	na
	Saquinavir	na	S	S	na	na	S
	Saquinavir/r	S	na	S	Active	S	na
	Ritonavir	na	S	S	na	S	S
	Nelfinavir	S	S	S	Active	S	S
	Amprenavir	na	S	S	na	na	S
	Amprenavir/r	S	na	S	Active	S	na
	Lopinavir/r	S	S	S	Active	S	S
	Atazanavir	na	S	S	Active	S	S
	Atazanavir/r	S	na	na	Active	S	na
	Tipranavir	na	na	na	na	na	na
Tipranavir/r	S	S	na	Active	S	na	

not available

Susceptible/Active

Possible resistance/Partially active







Resistance/Inactive

Mutation list (Resistance mutations compared with strain HXB2 are in bold)

Reverse transcriptase T39*, **M41L**, S68G, K82R, L100L, Q102K, D121Y, K122E, I135T, K173T, V178I, **L210W**, **T215D**, V245M, D250E, A272P, R277K, T286A, V293I, K311*, I326V, Q334N, G335D

Protease V3I, S37N

(*): ambiguous codon

Class	Drug	ANRS  12-09/04	DMC  01/04	GAV  11/04	CHL  v5.0-11/04	REGA  v6.3-09/04	STAN  v4.0-10/04
NRTI	Zidovudine	R	I	I	Partially active	R	R
	Zalcitabine	na	I	S	na	S	na
	Didanosine	S	I	S	Active	S	R
	Stavudine	R	R	S	Active	I	R
	Lamivudine	S	S	S	Active	S	S
	Emtricitabine	S	na	na	Active	S	S
	Abacavir	S	I	S	Active	S	R
	Tenofovir	S	S	S	Partially active	S	R
NNRTI	Nevirapine	S	S	S	Active	S	S
	Delavirdine	na	S	S	na	S	S
	Efavirenz	S	S	S	Active	S	S
PI/Boosted PI	Indinavir	S	S	S	Active	na	S
	Indinavir/r	na	S	S	Active	S	na
	Saquinavir	na	S	S	na	na	S
	Saquinavir/r	S	na	S	Active	S	na
	Ritonavir	na	S	S	na	S	S
	Nelfinavir	S	S	S	Active	S	S
	Amprenavir	na	S	S	na	na	S
	Amprenavir/r	S	na	S	Active	S	na
	Lopinavir/r	S	S	S	Active	S	S
	Atazanavir	na	S	S	Active	S	S
	Atazanavir/r	S	na	na	Active	S	na
	Tipranavir	na	na	na	na	na	na
	Tipranavir/r	S	S	na	Active	S	na

not available

Susceptible/Active

Possible resistance/Partially active

Resistance/Inactive

Mutation list (Resistance mutations compared with strain HXB2 are in bold)

Reverse transcriptase T39A, M41L, D67D, R83K, Q102K, **K103N**, **V108***, **V108I***, **V118I**, K122E, P133P, C162S, V178I, **M184V**, V189*, S191S, T200K, **L210W**, R211K, **T215Y**, K219K, K223Q, L228R, R277K, S322T

Protease V3I, **L10I**, Q18H, L19I, **L33F**, E35*, **E35D***, **E35N***, **M36I**, S37E, **M46I**, **I54V**, **D60E**, Q61E, I62V, **L63P**, **A71T**, I72T, **G73S**, **V82F**, **L90M**, **I93L**

(*): ambiguous codon

Class	Drug	<u>ANRS</u>  12-09/04	<u>DMC</u>  01/04	<u>GAV</u>  11/04	<u>CHL</u>  v5.0-11/04	<u>REGA</u>  v6.3-09/04	<u>STAN</u>  v4.0-10/04
NRTI	Zidovudine	R	R	R	Partially active	R	R
	Zalcitabine	na	R	R	na	I	na
	Didanosine	S	R	I	Partially active	I	R
	Stavudine	R	R	R	Partially active	I	R
	Lamivudine	R	R	R	Inactive	R	R
	Emtricitabine	R	na	na	Inactive	R	R
	Abacavir	I	R	R	Inactive	I	R
	Tenofovir	I	S	R	Inactive	S	R
NNRTI	Nevirapine	R	R	R	Inactive	R	R
	Delavirdine	na	R	R	na	R	R
	Efavirenz	R	R	R	Inactive	R	R
PI/Boosted PI	Indinavir	R	R	R	Inactive	na	R
	Indinavir/r	na	I	R	Inactive	R	na
	Saquinavir	na	R	R	na	na	R
	Saquinavir/r	R	na	R	Inactive	R	na
	Ritonavir	na	R	R	na	R	R
	Nelfinavir	R	R	R	Inactive	R	R
	Amprenavir	na	R	R	na	na	R
	Amprenavir/r	S	na	R	Inactive	R	na
	Lopinavir/r	R	R	R	Partially active	R	R
	Atazanavir	na	I	R	Inactive	R	R
	Atazanavir/r	R	na	na	Inactive	R	na
	Tipranavir	na	na	na	na	na	na
Tipranavir/r	S	S	na	Inactive	I	na	

 not available

 Susceptible/Active

 Possible resistance/Partially active

 Resistance/Inactive