



phenotype prediction from genotype (version 3.4)

I. General information

Patient:	Study Id:
Birth date:	Viral load:
Sample received:	Sample collected:
Sample ID: 38	Predicted subtype: 07_BC (100%)
Sample type:	Report date: October 6, 2018
Physician:	Reported by:

II. Substitutions (relative to the reference strain HXB2)

Protease:	V3I, L10I, I13I/V, L33F, S37N, G48V, I54S, Q58E, D60E, L63P, A71V, V77I, V82A, T91A
Reverse transcriptase:	

III. Phenotype prediction

Drug	Resistance Factor RF (*)	z-score	Scored Positions (**)
ZDV	0	0	
ddI	0	0	
d4T	0	0	
3TC	0	0	
ABC	0	0	
TDF	0	0	
NVP	0	0	
EFV	0	0	
ETR (***)	Susceptible		
RPV (***)	Susceptible		
SQV	68.823	12.159	<u>48V</u> 73G 90L 84I 11V 74T 88N 53F 95C 26T 1P 80T 34E 47I 97L
IDV	29.308	8.602	88N 46M 29D 1P <u>48V</u> 73G 21E <u>65E</u> 84I 11V <u>10I</u> 85I 30D <u>54S</u> 90L
NFV	24.281	6.946	88N 30D 46M <u>97L</u> 20K 73G <u>68G</u> 90L 36M 31T 75V 74T 84I <u>5L</u> 2Q
APV	18.373	8.858	<u>33F</u> 76L 50I 84I 46M 32V 85I <u>48V</u> <u>22A</u> <u>63P</u> 1P 47I 97L 45K <u>10I</u>
LPV	31.259	10.091	46M 84I 50I <u>33F</u> <u>48V</u> 76L <u>22A</u> <u>7Q</u> <u>63P</u> 24L 20K 25D <u>82A</u> 47I 92Q
TPV	1.958	1.432	<u>69H</u> <u>82A</u> 84I 47I 72I 15I <u>71V</u> 20K 90L 74T 46M 88N 19L 39P 89L
DRV	6.515	4.845	47I <u>33F</u> 84I 76L 74T 43K 73G 46M 36M <u>65E</u> <u>82A</u> 93I 15I 7Q 8R
ATV	65.244	12.288	73G 84I <u>82A</u> 4T <u>33F</u> <u>48V</u> 88N 90L <u>7Q</u> 46M 36M 20K 24L <u>76L</u> 45K

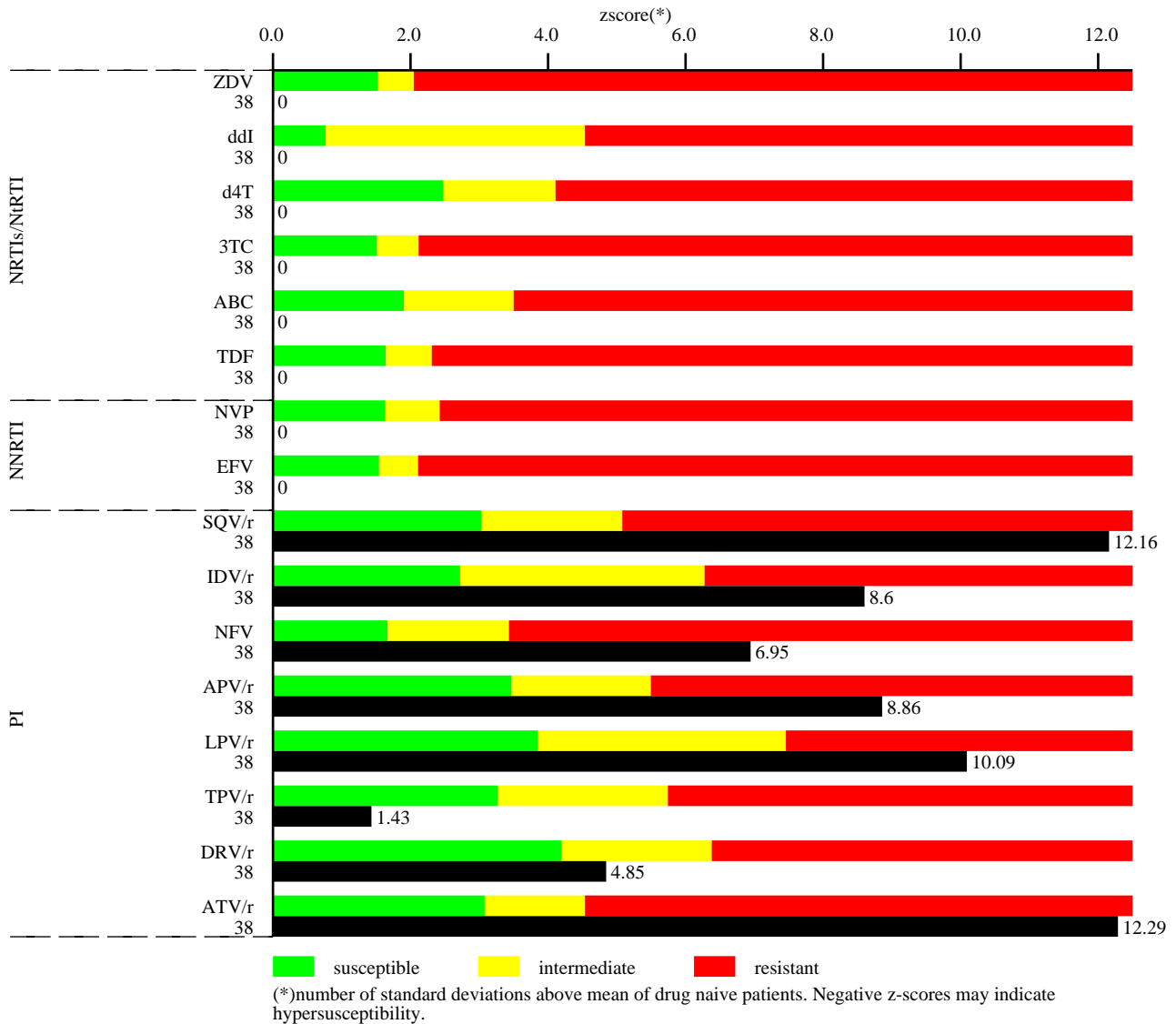
(*) based on LIBSVM, Copyright (c) 2000, Chih-Chung Chang and Chih-Jen Lin

(**) Positions are ordered according to their impact on the phenotype prediction. Differences with respect to HXB2 are underlined. Positions shown in red and in green contribute to an increase or decrease in resistance, respectively. At most 15 positions are shown for each drug.

(***) Resistance predictions and scored mutations for ETR and RPV were performed with rules-based drug-resistance interpretation models by HIV-GRADE (<http://www.hiv-grade.de>)

IV. Interpretation

Patient:	Birth date:	Sampling date:
Current therapy:	Viral load:	



NRTIs/NtRTI:

NNRTIs:

PIs:

Previous genotypes:

date

signature