

**Additional file 3: Table S2.** Susceptibility of recoded HIV-1 variants to reverse transcriptase and protease inhibitors.

	IC50 (nM)					
	AZT	TNF-DF	NFV	DRV	ATV	APV
HIV-Pwt	15,33 ± 3,61	27,32 ± 5,41	11,44 ± 4,68	1,69 ± 0,31	3,19 ± 0,74	14,43 ± 1,29
HIV-Pmax	29,02 ± 3,65 (1,89)	36,83 ± 7,31 (1,35)	12,63 ± 3,31 (1,1)	2,93 ± 0,07 (1,73)	3,57 ± 1 (1,12)	15,11 ± 2,72 (1,05)
HIV-PminA	18,25 ± 9,5 (1,19)	34,18 ± 1,94 (1,25)	13,73 ± 7,23 (1,2)	2,12 ± 0,96 (1,25)	3,57 ± 0,53 (1,12)	18,47 ± 1,69 (1,28)
HIV-PminB	14,07 ± 8,10 (0,92)	33,98 ± 3,36 (1,24)	12,01 ± 1,80 (1,05)	2,83 ± 0,20 (1,67)	3,02 ± 0,74 (0,95)	17,68 ± 2,03 (1,22)
HIV-PminC	16,08 ± 6,94 (1,05)	34,28 ± 4,76 (1,25)	12,03 ± 4,32 (1,05)	3,03 ± 0,51 (1,79)	3,62 ± 0,65 (1,13)	17,74 ± 2,29 (1,23)
HIV-PminBC	14,24 ± 5,02 (0,93)	28,81 ± 4,20 (1,05)	9,84 ± 2,71 (0,86)	2,77 ± 0,25 (1,64)	4,41 ± 0,49 (1,38)	16,38 ± 2,91 (1,13)
HIV-Gwt	6,06 ± 1,14	18,30 ± 3,41	9,93 ± 3,04	2,37 ± 0,71	4,44 ± 1,28	13,56 ± 1,98
HIV-GminA	6,68 ± 2,12 (1,10)	13,64 ± 8,85 (0,75)	3,39 ± 1,26 (0,34)	1,74 ± 1,24 (0,73)	2,08 ± 0,96 (0,47)	8,11 ± 4,96 (0,60)
HIV-GminB	12,19 ± 1,96 (2,01)	28,73 ± 8,86 (1,57)	10,14 ± 8,03 (1,02)	2,59 ± 0,69 (1,09)	4,25 ± 0,82 (0,96)	14,66 ± 1,63 (1,08)
HIV-GminD	8,64 ± 3,30 (1,42)	27,31 ± 9,23 (1,5)	8,66 ± 4,36 (0,87)	2,20 ± 0,14 (0,93)	3,13 ± 1,54 (0,7)	12,63 ± 2,04 (0,93)

The IC50 values represent averages ± standard deviations of at least three tests. The fold increase in IC50 relative to the wild type HXB2 virus control is shown between parentheses.