

Supplementary Table 1 Summary of Dose-response Curve Parameters in Macaques

Drug	IC₅₀ (μM)	m value	r²
NRTI			
3TC	1.507 ±0.374	1.17 ±0.12	0.997 ±0.002
ABC	0.986 ±0.233	1.25 ±0.14	0.985 ±0.007
AZT	0.077 ±0.013	0.61 ±0.10	0.985 ±0.011
d4T	0.945 ±0.286	0.77 ±0.11	0.983 ±0.008
ddI	1.836 ±0.481	1.24 ±0.18	0.986 ±0.004
FTC	0.687 ±0.129	1.25 ±0.08	0.995 ±0.003
TDF	2.152 ±0.698	1.07 ±0.14	0.980 ±0.009
Protease inhibitor			
ATV	0.162 ±0.047	2.65 ±0.21	0.992 ±0.005
APV	1.081 ±0.242	2.48 ±0.23	0.989 ±0.008
DRV	0.039 ±0.008	2.47 ±0.17	0.997 ±0.002
IDV	0.127 ±0.035	2.94 ±0.33	0.994 ±0.003
LPV	0.042 ±0.013	2.40 ±0.25	0.984 ±0.010
NFV	0.781 ±0.250	2.39 ±0.23	0.992 ±0.004
SQV	0.031 ±0.009	2.45 ±0.20	0.985 ±0.009
TPV	0.311 ±0.056	2.40 ±0.24	0.988 ±0.005
Fusion inhibitor			
T1249	0.628 ±0.209	1.75 ±0.14	0.988 ±0.006
T20	1.302 ±0.317	1.84 ±0.07	0.994 ±0.003
Integrase inhibitor			
L870812	0.102 ±0.024	0.95 ±0.08	0.995 ±0.003
RAL	0.030 ±0.004	0.97 ±0.06	0.999 ±0.001

Values are means ±s.d. from 3 independent experiments.

Supplementary Table 2 A Comparison of IIP Values in Macaques and Humans

Drug	IIP_{max} Macaque	IIP_{max}^a Human	IIP_{ave}^a Human
AZT	1.75	1.23	0.50
TDF	2.08	0.86	0.57
L870812	2.20	ND ^b	ND ^b
ATV/r	4.38	7.17	6.20
DRV/r	6.04	10.14	9.47

Values are means from 3 independent experiments.

^aIIP_{max} and IIP_{ave} values in humans are adapted from Shen *et al.* (reference 32).

^bIIP values for L870812 in humans are not determined (ND).

Supplementary Table 3 Summary of Dose-response Curve Parameters in Humans

[Adapted from Shen *et al.* (reference 32)]

Drug	IC₅₀ (nM)	m value	r²
NRTI			
3TC	29.8 ± 12.7	1.15 ± 0.12	0.987 ± 0.007
ABC	34.4 ± 15.9	0.95 ± 0.15	0.970 ± 0.005
AZT	182.3 ± 50.3	0.85 ± 0.12	0.988 ± 0.008
d4T	552.4 ± 199.3	1.13 ± 0.14	0.986 ± 0.008
ddI	179.4 ± 36.3	1.07 ± 0.17	0.966 ± 0.012
FTC	7.4 ± 3.0	1.18 ± 0.10	0.988 ± 0.006
TDF	168.4 ± 37.3	0.97 ± 0.13	0.972 ± 0.013
Protease inhibitor			
ATV	13.6 ± 1.6	2.69 ± 0.28	0.986 ± 0.010
APV	144.2 ± 18.2	2.09 ± 0.14	0.990 ± 0.009
DRV	23.6 ± 5.1	3.61 ± 0.32	0.993 ± 0.005
IDV	90.9 ± 10.0	4.53 ± 0.36	0.982 ± 0.009
LPV	35.8 ± 7.2	2.05 ± 0.12	0.992 ± 0.005
NFV	166.8 ± 44.8	1.81 ± 0.23	0.987 ± 0.010
SQV	45.3 ± 4.4	3.68 ± 0.23	0.995 ± 0.006
TPV	242.0 ± 43.6	2.51 ± 0.36	0.993 ± 0.005
Fusion inhibitor			
T1249	11.2 ± 4.6	1.97 ± 0.17	0.966 ± 0.007
T20	35.9 ± 6.8	1.65 ± 0.14	0.992 ± 0.002
Integrase inhibitor			
L870812	228.2 ± 91.1	0.99 ± 0.08	0.995 ± 0.003
RAL	14.9 ± 1.8	1.10 ± 0.05	0.987 ± 0.007

Values are means ± s.d.