

Table 1. Parametric and Nonparametric Measures of Reproducibility of Susceptibility Tests Performed on HIV-1 Isolates Lacking Drug-Resistance Mutations: Comparison of the Antivirogram (AV) and PhenoSense (PS) Assays

Drug	Number		Mean		Standard Deviation			Median		Median Absolute Deviance		
	AV	PS	AV	PS	AV	PS	p*	AV	PS	AV	PS	p*
<i>Nucleoside RT inhibitors</i>												
3TC	83	45	0.71	1.02	0.3	0.09	2E-14	0.8	1.0	0.20	0.05	6E-08
ABC	80	45	0.70	0.88	0.3	0.09	2E-13	0.75	0.8	0.24	0.06	3E-08
D4T	88	45	0.79	0.95	0.31	0.07	<1E-18	0.8	1.0	0.20	0.05	7E-10
DDC	78	38	0.86	0.96	0.31	0.09	4E-13	0.9	1.0	0.12	0.04	5E-08
DDI	88	45	0.69	0.96	0.37	0.07	<1E-18	0.8	1.0	0.19	0.05	1E-10
ZDV	88	45	1.07	0.86	0.23	0.17	3E-02	1.2	0.8	0.11	0.10	2E-01
<i>Protease inhibitors</i>												
APV	118	104	0.62	0.75	0.26	0.21	1E-02	0.6	0.8	0.18	0.12	2E-02
IDV	146	134	0.77	0.86	0.28	0.18	6E-08	0.75	0.9	0.18	0.10	1E-06
LPV	72	54	0.72	0.80	0.18	0.15	3E-01	0.75	0.8	0.13	0.12	3E-01
NFV	144	137	0.86	1.21	0.33	0.23	3E-05	0.9	1.3	0.26	0.14	5E-05
RTV	146	134	0.70	0.96	0.32	0.21	2E-06	0.7	1.0	0.24	0.13	4E-06
SQV	145	131	0.61	0.76	0.30	0.19	7E-08	0.7	0.8	0.20	0.12	1E-07
<i>Nonnucleoside RT inhibitors</i>												
DLV	43	47	2.28	1.30	0.42	0.36	3E-01	2.5	1.3	0.24	0.25	8E-01
EFV	45	47	1.38	0.92	0.30	0.24	1E-01	1.3	0.9	0.21	0.12	4E-02
NVP	83	47	1.54	1.03	0.34	0.32	6E-01	1.4	0.9	0.24	0.18	3E-01

*The F-test was used to determine whether there were significant differences in the standard deviation of results determined by the Antivirogram (AV) and PhenoSense (PS) assays. Fligner's test was used to determine whether there were significant differences in the median absolute deviance of results determined by the AV and PS assays. Both tests, as well as the mean, median, standard deviation, and median absolute deviance were performed on the log-transformed values of fold-resistance. The antilog of the mean and median are shown in the table. Significant results ($p < 0.0033$), based on a Bonferroni adjustment for 15 comparisons, are shown in bold. Abbreviations: 3TC – lamivudine, ABC – abacavir, D4T – stavudine, DDC – zalcitibine, DDI – didanosine, ZDV – zidovudine, APV – amprenavir, IDV – indinavir, LPV – lopinavir, NFV – nelfinavir, RTV – ritonavir, SQV – saquinavir, DLV – delavirdine, EFV – efavirenz, NVP – nevirapine