

Table S2. Fitted initial (t=0) values for the *in vitro* experiment by the nonlinear least squared methods.

Variable	Unit	Fitted initial value at MOI of			
		SHIV-KS661		SHIV-#64	
		2×10^{-4}	2×10^{-5}	2×10^{-4}	2×10^{-5}
$T_j(0)$	cells/ml	6.31×10^6 [†]	6.31×10^6 [†]	6.24×10^6 [†]	6.24×10^6 [†]
$I_j(0)$	cells/ml	18.5	0.811	18.5	5.04
$V_{RNAj}(0)$	RNA copies/ml	1.52×10^5	1.62×10^4	5.95×10^6	3.91×10^5
$V_{50j}(0)$	TCID ₅₀ /ml	0.0307	0.0247	0.154	0.0422

[†] $T_j(0)$ are fixed.