

TABLE 3. Calculated R_0 values during primary SIV infection^a

Observed exponential growth rate during primary infection (r_0)	Calculated R_0 value		
	Standard model (no delay)	Exponentially distributed delay	Fixed delay
0.9	2.2	4.2	5.4
2.2	4.0	13	36
2.7	4.6	17	68

^a Calculated values for the basic reproductive ratio, R_0 , during primary SIV infection, either based on the standard model of viral dynamics (assuming no intracellular delay between infection and production of progeny virions) or assuming a delay that is exponentially distributed, with an average value of 1 day, or fixed at 1 day ($\tau = 1$). Results are shown for calculations with the average value for a ($a = 0.74$).