Table E4: Parameter estimates and likelihood scores under models of variable *ω* ratios among sites for HIV-2 *nef* genes.

Nested model pairs	$d_{ m N}/d_{ m S}{}^{b}$	Parameter estimates ^c	PSS ^d	ł
M0: one-ratio $(1)^a$?	$\omega = ?$	N.A.	?
M3: discrete (5)	?	$p_{0,} = ?, p_{1,} = ?, (p_2 = ?)$? (?)	?
		$\omega_0 = ?, \ \omega_1 = ?, \ \omega_2 = ?$		
M1: neutral (1)	?	$p_0 = ?, (p_1 = ?)$	N.A.	?
	•	$\omega_0 = ?, (\omega_1 = 1)$		·
M2: selection (3)	?	$p_0 = ?, p_1 = ?, (p_2 = ?)$? (?)	?
		$\omega_0 = ?, (\omega_1 = 1), \omega_2 = ?$		
M7: beta (2)	?	<i>p</i> = ?, <i>q</i> = ?	N.A.	?
	: 2	• •		· C
M8: beta & ω (4)	?	$p_0 = ? (p_1 = ?)$? (?)	?
		$p = ?, q = ?, \omega = ?$		

^{*a*} The number after the model code, in parentheses, is the number of free parameters in the ω distribution.

^{*b*} This d_N/d_S ratio is an average over all sites in the HIV-2 *nef* gene alignment.

^c Parameters in parentheses are not free parameters.

^{*d*} PSS is the number of positive selection sites (NEB). The first number is the PSS with posterior probabilities > 50%. The second number (in parentheses) is the PSS with posterior probabilities > 95%.

NOTE: Codeml now implements models M1a and M2a !