

## Parameter estimates,dN/dS ratios,positively selected sites and log likelihood scores for F and G gene nucleotide sequences for Kilifi HMPV genotypes.

	Subgroup and Model		dN/dS <sup>a</sup>	Parameter estimates	PSS	loglikelihood	
F gene	A2c	M0	0.10386	$\omega=0.10386$	none	-2380.250943	
		M1	0.0865	$p_0=0.91, P_1=0.09 ; \{\omega_0=0, \omega_1=1\}$	Not allowed	-2371.8481	
		M2	0.1129	$p_0=0.95, P_1=0.00, P_2=0.05 ; \{\omega_0=0, \omega_1=1, \omega_2=2.47\}$	none	-2370.568413	
		M3	0.1128	$p_0=0.40, P_1=0.56, P_2=0.05 ; \{\omega_0=0, \omega_1=0, \omega_2=2.46\}$	none	-2370.568435	
	A2b	M0	0.1539	$\omega=0.15394$	none	-769.367785	
		M1	0.101	$p_0=0.89, P_1=0.10 ; \omega_0=0, \omega_1=1$	Not allowed	-749.78974	
		M2	0.2566	$p_0=0.91, P_1=0.06, P_2=0.03 ; \{\omega_0=0, \omega_1=1, \omega_2=\}$	none	-744.10291	
		M3	0.242	$p_0=0.93, P_1=0.00, P_2=0.07 ; \{\omega_0=0, \omega_1=0, \omega_2=3.40\}$	none	-744.551601	
	B1	M0	0.0144	$\omega=0.01443$	none	-614.044605	
		M1	0.0144	$p_0=1.0, P_1=0.00 ; \omega_0=0.01, \omega_1=1$	Not allowed	-614.044661	
		M2	0.0144	$p_0=1.0, P_1=0.00, P_2=0.00 ; \{\omega_0=0.01, \omega_1=1, \omega_2=9.60\}$	none	-614.044538	
		M3	0.0144	$p_0=0.31, P_1=0.33, P_2=0.35 ; \omega_0=0.01, \omega_1=0.01, \omega_2=0.1$	none	-614.044538	
G gene	B2	M0	0.1198	$\omega=0.11980$	none	-717.782054	
		M1	0.1036	$p_0=0.90, P_1=0.10 ; \omega_0=0, \omega_1=1$	Not allowed	-709.823007	
		M2	0.1418	$p_0=0.92, P_1=0.00, P_2=0.08 ; \{\omega_0=0, \omega_1=1, \omega_2=1.83\}$	none	-709.170371	
		M3	0.1418	$p_0=0.67, P_1=0.25, P_2=0.08 ; \omega_0=0, \omega_1=0, \omega_2=1.83$	none	-709.170371	
		A2c	M0	0.3822	$\omega=0.38219$	none	-943.348921
		M1	0.4104	$p_0=0.66, P_1=0.38 ; \{\omega_0=0.05, \omega_1=1\}$	Not allowed	-941.642281	
		M2	0.4652	$p_0=0.94, P_1=0.00, P_2=0.06 ; \{\omega_0=0.25, \omega_1=1, \omega_2=3.58\}$	17T,24S,28N	-941.244453	
		M3	0.4652	$p_0=0.07, P_1=0.87, P_2=0.06 ; \omega_0=0.25, \omega_1=0.25, \omega_2=3.58\}$	none	-941.244453	
	A2b	M0	0.56976	$\omega=0.5698$	none	-2032.157168	
		M1	0.5014	$p_0=0.63, P_1=0.36 ; \{\omega_0=0.21, \omega_1=1\}$	Not allowed	-2021.329797	
		M2	0.8112	$p_0=0.78, P_1=0.18, P_2=0.04 ; \{\omega_0=0.3, \omega_1=1, \omega_2=8.16\}$	87L,123Q,135P	-2006.200586	
		M3	0.8052	$p_0=0.25, P_1=0.71, P_2=0.05 ; \{\omega_0=0.13, \omega_1=0.58, \omega_2=7.92\}$	none	-2006.045905	
G gene	B1	M0	0.7821	$\omega=0.78214$	none	-1512.591846	
		M1	0.6463	$p_0=0.35, P_1=0.64 ; \omega_0=0, \omega_1=1$	Not allowed	-1503.175065	
		M2	1.021	$p_0=0.39, P_1=0.51, P_2=0.10 ; \omega_0=0.07, \omega_1=1, \omega_2=4.82$	96H	-1497.511713	
		M3	1.0502	$p_0=0.62, P_1=0.35, P_2=0.03 ; \omega_0=0.22, \omega_1=1.85, \omega_2=7.92$	none	-1497.306571	
	B2	M0	1.20832	$\omega=1.20832$	none	-1646.028324	
		M1	0.8094	$p_0=0.19, P_1=0.80 ; \omega_0=0, \omega_1=1$	Not allowed	-1642.966656	
		M2	1.494	$p_0=0.21, P_1=0.56, P_2=0.23 ; \omega_0=0.07, \omega_1=1, \omega_2=3.95$	12T,127I	-1635.14972	
		M3	1.52	$p_0=0.43, P_1=0.50, P_2=0.06 ; \{\omega_0=0.27, \omega_1=1.95, \omega_2=6.87\}$	none	-1635.013273	