

Table 1

	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
<i>P. falciparum</i>							
<i>P. gallinaceum</i>	0.31						
<i>P. berghei</i>	0.38	0.39					
<i>P. chabaudi</i>	0.39	0.39	0.13				
<i>P. knowlesi</i>	0.41	0.44	0.47	0.47			
<i>P. vivax</i>	0.44	0.46	0.49	0.49	0.21		
<i>P. yoelii yoelii</i>	0.37	0.39	0.09	0.12	0.47	0.49	

Uncorrected ("p") distance matrix.

Table 2

(a)	2467-2667 nt, P = 0.01	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.40 (0.17)	0.30 (0.13)	0.23 (0.10)	0.26 (0.10)	0.31 (0.10)	0.20 (0.10)
		<i>P. gallinaceum</i>	0.21 (0.05)	0.39 (0.14)	0.40 (0.18)	0.29 (0.12)	0.26 (0.10)	0.41 (0.16)
		<i>P. berghei</i>	0.35 (0.07)	0.44 (0.09)	0.14 (0.08)	0.34 (0.12)	0.34 (0.11)	0.06 (0.05)
		<i>P. chabaudi</i>	0.39 (0.07)	0.34 (0.07)	0.15 (0.04)	0.28 (0.10)	0.26 (0.10)	0.11 (0.06)
		<i>P. knowlesi</i>	0.54 (0.09)	0.62 (0.11)	0.67 (0.11)	0.69 (0.13)	0.04 (0.03)	0.29 (0.11)
		<i>P. vivax</i>	0.62 (0.10)	0.68 (0.11)	0.80 (0.12)	0.80 (0.14)	0.19 (0.05)	0.30 (0.11)
		<i>P. yoelii yoelii</i>	0.37 (0.07)	0.36 (0.07)	0.07 (0.03)	0.15 (0.04)	0.71 (0.12)	0.83 (0.12)
(b)	2497-2697 nt, P < 0.01	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.36 (0.17)	0.36 (0.15)	0.27 (0.12)	0.30 (0.11)	0.35 (0.12)	0.24 (0.11)
		<i>P. gallinaceum</i>	0.27 (0.06)	0.39 (0.14)	0.40 (0.18)	0.28 (0.11)	0.25 (0.10)	0.41 (0.16)
		<i>P. berghei</i>	0.41 (0.08)	0.56 (0.12)	0.15 (0.08)	0.39 (0.14)	0.38 (0.13)	0.07 (0.05)
		<i>P. chabaudi</i>	0.45 (0.08)	0.47 (0.09)	0.15 (0.04)	0.31 (0.11)	0.29 (0.11)	0.12 (0.07)
		<i>P. knowlesi</i>	0.60 (0.11)	0.71 (0.14)	0.80 (0.14)	0.86 (0.16)	0.05 (0.04)	0.32 (0.12)
		<i>P. vivax</i>	0.67 (0.12)	0.74 (0.13)	0.84 (0.15)	0.89 (0.17)	0.20 (0.05)	0.34 (0.12)
		<i>P. yoelii yoelii</i>	0.42 (0.08)	0.47 (0.09)	0.09 (0.04)	0.16 (0.05)	0.86 (0.14)	0.89 (0.15)
(c)	2728-2916 nt, P < 0.01	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.17 (0.10)	0.27 (0.15)	0.19 (0.11)	0.20 (0.09)	0.28 (0.12)	0.27 (0.15)
		<i>P. gallinaceum</i>	0.38 (0.08)	0.29 (0.14)	0.21 (0.11)	0.15 (0.08)	0.24 (0.10)	0.29 (0.14)
		<i>P. berghei</i>	0.39 (0.08)	0.51 (0.10)	0.04 (0.05)	0.24 (0.11)	0.31 (0.14)	0.00 (0.00)
		<i>P. chabaudi</i>	0.42 (0.08)	0.50 (0.09)	0.07 (0.03)	0.17 (0.09)	0.24 (0.11)	0.04 (0.05)
		<i>P. knowlesi</i>	0.48 (0.10)	0.60 (0.12)	0.75 (0.15)	0.80 (0.15)	0.07 (0.06)	0.24 (0.11)
		<i>P. vivax</i>	0.66 (0.11)	0.69 (0.12)	0.71 (0.12)	0.75 (0.13)	0.18 (0.04)	0.31 (0.14)
		<i>P. yoelii yoelii</i>	0.39 (0.08)	0.46 (0.09)	0.03 (0.02)	0.06 (0.03)	0.75 (0.14)	0.71 (0.11)
(d)	2758-2946 nt, P < 0.01	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.05 (0.05)	0.14 (0.09)	0.09 (0.06)	0.18 (0.09)	0.25 (0.12)	0.14 (0.09)
		<i>P. gallinaceum</i>	0.33 (0.07)	0.19 (0.10)	0.13 (0.08)	0.11 (0.07)	0.18 (0.09)	0.19 (0.10)
		<i>P. berghei</i>	0.33 (0.07)	0.48 (0.09)	0.04 (0.04)	0.18 (0.09)	0.23 (0.11)	0.00 (0.00)
		<i>P. chabaudi</i>	0.32 (0.06)	0.46 (0.08)	0.06 (0.02)	0.13 (0.07)	0.18 (0.09)	0.04 (0.04)
		<i>P. knowlesi</i>	0.41 (0.08)	0.50 (0.10)	0.74 (0.16)	0.69 (0.14)	0.07 (0.06)	0.18 (0.09)
		<i>P. vivax</i>	0.59 (0.11)	0.68 (0.10)	0.72 (0.12)	0.72 (0.12)	0.19 (0.05)	0.23 (0.11)
		<i>P. yoelii yoelii</i>	0.32 (0.07)	0.46 (0.08)	0.02 (0.02)	0.06 (0.03)	0.71 (0.15)	0.69 (0.11)
(e)	2818-3036 nt, P < 0.01	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.19 (0.11)	0.17 (0.10)	0.12 (0.08)	0.36 (0.15)	0.45 (0.19)	0.17 (0.09)
		<i>P. gallinaceum</i>	0.31 (0.06)	0.29 (0.14)	0.21 (0.11)	0.14 (0.08)	0.30 (0.12)	0.29 (0.13)
		<i>P. berghei</i>	0.38 (0.06)	0.50 (0.08)	0.09 (0.07)	0.42 (0.19)	0.41 (0.17)	0.00 (0.00)
		<i>P. chabaudi</i>	0.34 (0.06)	0.47 (0.07)	0.04 (0.02)	0.36 (0.17)	0.36 (0.16)	0.09 (0.07)
		<i>P. knowlesi</i>	0.54 (0.10)	0.53 (0.10)	0.73 (0.15)	0.70 (0.14)	0.12 (0.06)	0.41 (0.18)
		<i>P. vivax</i>	0.69 (0.13)	0.69 (0.11)	0.74 (0.14)	0.71 (0.13)	0.30 (0.06)	0.40 (0.17)
		<i>P. yoelii yoelii</i>	0.38 (0.07)	0.48 (0.08)	0.05 (0.02)	0.07 (0.03)	0.71 (0.15)	0.72 (0.14)
(f)	3277-3456 nt, P = 0.03	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.12 (0.08)	0.44 (0.21)	0.46 (0.22)	0.14 (0.08)	0.15 (0.07)	0.43 (0.20)
		<i>P. gallinaceum</i>	0.28 (0.07)	0.27 (0.13)	0.27 (0.14)	0.22 (0.11)	0.18 (0.09)	0.27 (0.13)
		<i>P. berghei</i>	0.39 (0.08)	0.49 (0.10)	0.05 (0.05)	0.33 (0.14)	0.30 (0.14)	0.00 (0.00)
		<i>P. chabaudi</i>	0.43 (0.09)	0.54 (0.10)	0.09 (0.03)	0.46 (0.20)	0.49 (0.21)	0.11 (0.05)
		<i>P. knowlesi</i>	0.63 (0.10)	0.59 (0.11)	0.68 (0.14)	0.68 (0.14)	0.11 (0.07)	0.33 (0.14)
		<i>P. vivax</i>	0.57 (0.09)	0.57 (0.11)	0.76 (0.16)	0.71 (0.15)	0.27 (0.07)	0.33 (0.14)
		<i>P. yoelii yoelii</i>	0.41 (0.09)	0.56 (0.11)	0.04 (0.02)	0.07 (0.03)	0.71 (0.15)	0.81 (0.17)
(g)	3307-3486 nt, P < 0.01	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.12 (0.07)	0.31 (0.14)	0.40 (0.18)	0.20 (0.10)	0.20 (0.09)	0.31 (0.14)
		<i>P. gallinaceum</i>	0.30 (0.08)	0.29 (0.14)	0.23 (0.12)	0.18 (0.09)	0.19 (0.09)	0.29 (0.14)
		<i>P. berghei</i>	0.42 (0.08)	0.52 (0.11)	0.09 (0.07)	0.30 (0.12)	0.31 (0.12)	0.00 (0.00)
		<i>P. chabaudi</i>	0.41 (0.07)	0.53 (0.10)	0.10 (0.03)	0.35 (0.14)	0.40 (0.16)	0.09 (0.07)
		<i>P. knowlesi</i>	0.65 (0.11)	0.65 (0.13)	0.69 (0.14)	0.69 (0.13)	0.13 (0.07)	0.29 (0.12)
		<i>P. vivax</i>	0.66 (0.12)	0.64 (0.12)	0.91 (0.21)	0.86 (0.19)	0.30 (0.07)	0.33 (0.13)
		<i>P. yoelii yoelii</i>	0.44 (0.08)	0.59 (0.12)	0.04 (0.02)	0.07 (0.03)	0.72 (0.15)	0.97 (0.22)
(h)	3337-3522 nt, P < 0.01	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.10 (0.06)	0.18 (0.09)	0.22 (0.11)	0.21 (0.10)	0.31 (0.12)	0.17 (0.09)
		<i>P. gallinaceum</i>	0.37 (0.08)	0.26 (0.14)	0.18 (0.11)	0.22 (0.10)	0.27 (0.11)	0.26 (0.14)
		<i>P. berghei</i>	0.45 (0.08)	0.51 (0.10)	0.08 (0.06)	0.24 (0.11)	0.30 (0.12)	0.26 (0.00)
		<i>P. chabaudi</i>	0.42 (0.08)	0.49 (0.09)	0.09 (0.03)	0.26 (0.12)	0.36 (0.13)	0.08 (0.06)
		<i>P. knowlesi</i>	0.65 (0.10)	0.57 (0.11)	0.62 (0.10)	0.64 (0.10)	0.13 (0.07)	0.24 (0.11)
		<i>P. vivax</i>	0.69 (0.12)	0.58 (0.10)	0.81 (0.16)	0.81 (0.16)	0.26 (0.06)	0.32 (0.13)
		<i>P. yoelii yoelii</i>	0.43 (0.09)	0.55 (0.11)	0.04 (0.02)	0.09 (0.03)	0.69 (0.12)	0.82 (0.16)
(i)	3367-3555 nt, P < 0.01	<i>P. falciparum</i>	<i>P. gallinaceum</i>	<i>P. berghei</i>	<i>P. chabaudi</i>	<i>P. knowlesi</i>	<i>P. vivax</i>	<i>P. yoelii yoelii</i>
		<i>P. falciparum</i>	0.11 (0.07)	0.20 (0.10)	0.29 (0.14)	0.31 (0.13)	0.44 (0.18)	0.14 (0.08)
		<i>P. gallinaceum</i>	0.40 (0.09)	0.27 (0.15)	0.24 (0.12)	0.23 (0.11)	0.30 (0.13)	0.22 (0.12)
		<i>P. berghei</i>	0.50 (0.10)	0.51 (0.11)	0.09 (0.07)	0.27 (0.13)	0.42 (0.17)	0.04 (0.05)
		<i>P. chabaudi</i>	0.39 (0.07)	0.44 (0.08)	0.10 (0.04)	0.33 (0.14)	0.43 (0.17)	0.13 (0.09)
		<i>P. knowlesi</i>	0.76 (0.14)	0.73 (0.14)	0.67 (0.12)	0.65 (0.11)	0.14 (0.08)	0.20 (0.10)
		<i>P. vivax</i>	0.70 (0.13)	0.67 (0.12)	0.83 (0.18)	0.80 (0.17)	0.22 (0.06)	0.33 (0.14)
		<i>P. yoelii yoelii</i>	0.48 (0.10)	0.51 (0.11)	0.03 (0.02)	0.12 (0.04)	0.68 (0.12)	0.78 (0.16)

dN and dS values in regions of *rip1* with significant variance in dN-dS (a-i) between pairs of *Plasmodium* species. Nucleotide positions and

p-values are indicated at the top left corner of the tables. Values beneath and above the diagonal are pairwise dN and dS values, respectively. Values in brackets are standard errors.