

Table S1. Origin of the blood samples that yielded *Plasmodium* sequences (name in bold and GenBank Accession number in parentheses).

Country	Host Species	Ape Name	<i>P. falciparum</i>			<i>P. reichenowi</i>			<i>P. billicollinsi</i>			<i>P. billbrayi</i>		<i>P. malariae</i> type	<i>P. vivax</i> type
			<i>mitochondrial</i>	<i>Pf</i> <i>dhfr</i> - <i>n</i> (partial 1041 bp) ^a	<i>Pf</i> <i>msp2</i> block 3	<i>mitochondrial</i>	<i>Prdhfr</i> - <i>ts</i>	<i>Prmsp2</i> block 3	<i>mitochondrial</i>	<i>"Pbc"</i> <i>dhfr</i> - <i>ts</i> ^b	<i>Psp?</i> <i>msp2</i> block 3 ^c	<i>"Pbb"</i> <i>dhfr</i> - <i>ts</i> ^b	<i>mitochondrial</i>	<i>mitochondrial</i>	<i>mitochondrial</i>
Uganda	<i>Pan. t. schweinfurthii</i>	NL						Prmsp2- A1 (GU075719)					UG (B1) (GQ355470)		UG (B2) (GQ355481)
Uganda	<i>Pan. t. schweinfurthii</i>	JK						Prmsp2- A3 (GU075721)	UG (D2) (GQ355477)		msp2-KNP-A1 (GU075722) msp2-KNP-A2 (GU075723) msp2-KNP-B (GU075724) msp2-KNP-C1 (GU075725) msp2-KNP-D (GU075726)	UG (D1) (GQ355471)			
Uganda	<i>Pan. t. schweinfurthii</i>	OK						Prmsp2-A1 (GU075719) Prmsp2-A2 (GU075720)	UG (F) (GQ355478)		msp2-KNP-A1 (GU075722) msp2-KNP-B (GU075724)				
Democratic Republic of the Congo	<i>Pan t. troglodytes</i>	Gari													DRC (L) (GQ355480)
Democratic Republic of the Congo	<i>Pan t. troglodytes</i>	Itaito							DRC (I) (GQ355479) DRC (Id) (GQ369534)						
Democratic Republic of the Congo	<i>Pan t. troglodytes</i>	Shegue				DRC (S3) (GQ355476) DRC (Sd1) (GQ369532)					msp2-KNP-A3 (GU131994) msp2-KNP-C2 (GU131995)	DRC (Sd2) (GQ369535) DRC (S1) (GQ355468) DRC (Sd3) (GQ369536) DRC (S2) (GQ355469)			
Democratic Republic of the Congo	<i>Pan paniscus</i>	Dilolo			FC27-C (GU075712)										
Democratic Republic of the Congo	<i>Pan paniscus</i>	Kesa		[N51I+S108N] (GQ859592)											
Democratic Republic of the Congo	<i>Pan paniscus</i>	Kikwit	DRC (L) (GQ355475)	[N51I+C59R+S108N] (GQ859593)	IC/3D7-C (GU075718)										
Democratic Republic of the Congo	<i>Pan paniscus</i>	Lodja	DRC (A) (GQ355474)	[N51I+S108N] (GQ859594)	FC27-A1 (GU075709) FC27-A2 (GU075710) IC/3D7-A1 (GU075714) IC/3D7-A2 (GU075715) IC/3D7-A2 (GU075716)										
Democratic Republic of the Congo	<i>Pan paniscus</i>	Opala	DRC (C) (GQ355473)		FC27-B (GU075711)										
Democratic Republic of the Congo	<i>Pan paniscus</i>	Mimia	DRC (E) (GQ355472)	[N51I+C59R+S108N] (GQ859595)	FC27-D (GU075713) IC/3D7-B (GU075717)										
Democratic Republic of the Congo	<i>Pan paniscus</i>	Etumbe												DRC (J) (GQ355486)	
Democratic Republic of the Congo	<i>Pan paniscus</i>	Bill												DRC (O) (GQ355485)	

^a The non-synonymous mutations found occur in the codons of residues known to be associated with resistance to pyrimethamine in *P. falciparum*.

^b The species to which the *dhfr*-*ts* sequence(s) was ascribed has been presumed. Confirmation that this is indeed the case awaits further samples with confirmed pure infections with either *P. billbrayi* or *P. billicollinsi*.

^c At present it is not possible to ascribe any of these four *msp2* block 3 families to either *P. billbrayi* or *P. billicollinsi*.