

Additional file 2. GenBank accession number of the orthologous sequences

Genes	GenBank accession No. (Isolate)			
<i>P. falciparum</i> SSU rRNA	M19172 (in asexual parasites)		M19173 (not in asexual parasites)	
<i>P. vivax</i> SSU rRNA	X13926		U03079 (Sal 1)	
<i>P. malariae</i> SSU rRNA	AF487999 (type 1)	AF488000 (type 2)	KJ619942 (KOY13)	AF145336
	AB489195 (Takaboh)	AB489196 (Oumu)	KJ619943 (OCA24)	KM016331
	M54897, KJ619943-KJ619947 (VEN01-VEN04), KJ934251-KJ934253 (CR1-CR4)			
<i>P. brasilianum</i> SSU rRNA	KJ619941 (HA12)	KT266778 (Peruvian)	AF130735	
<i>P. knowlesi</i> SSU rRNA	FJ619089 (LT20-C4)	L07560		
<i>P. ovale</i> spp. SSU rRNA	KF536875 (<i>Pow</i> : PoW4)	KF018654 (ZBP-HN clone RH1)		
	KF536876 (<i>Pow</i> : PoW6)	KF018655 (ZBP-HN clone RH2)		
	KF192072 (MAL-1)	KF018662 (ZBP-HN clone BZ-5H2)		
	KF192073 (MAL-2)	KF219563 (<i>Pow</i> clone 5SH5)		
	KF696359 (<i>Pow</i> clone GC-1)	KF219564 (<i>Pow</i> clone 5SH8)		
	KF696360 (<i>Pow</i> clone GC-2)	KF696369-KF696377 (<i>Poc</i> clone DC-1 to DC-10)		
	KJ786425 (<i>Pow</i> FJ11)	KF219558-KF219561 (<i>Pow</i> clone RSH1, 2, 8, 10)		
	KJ871671 (<i>Poc</i> , FJX4)	AB182489-AB182490 (Classic type 1-2)		
	KJ871673 (<i>Poc</i> , FJX22)	AB182491-AB182493 (Variant type 1-3)		
	AF145337 L48987	L48986 (clone 26)		
<i>Pocytb</i> SSU rRNA	KP050427 (Po2003)	GU723537(UKMRL08)	HQ712052	
	KP050428 (Po2006)	GU723534(UKMRL34)	FJ409567	
<i>Pocox1</i> SSU rRNA	KP050416 (Po2003)	JF894415 (PoC15)	HQ712052	FJ409571
	KP050417 (Po2006)	JF894419 (PoW1)	(<i>Poc</i>)	
<i>Pog3p</i> SSU rRNA	KP050383 (Po2003)	GU723549 (UKMRL01)		
	KP050384 (Po2006)	GU723571(UKMRL02)		
<i>P. malariae</i> MSP-1	FJ824669 (Cameroon isolate MMA1)			
	Brazilian isolates:			
	KR072269-KR072279 (fragment 1)	JX045643-JX045645 (fragment 2)		
	KR072215-KR072220 (fragment 2)	KR072254-KR072263 (fragment 3)		
	KR072239-KR072248 (fragment 4)	KR072223 -KR072233 (fragment 5)		
<i>P. ovale</i> spp. MSP-1	KC137340-KC137349 (Thailand isolates PO-1 to PO-10)			
	FJ824670 (Cameroon OMIA)	FJ824671 (Cameroon OM1B)		
<i>P. falciparum</i> dhfr-ts	XM_001351443 (3D7)	KI926308 (Tanzania 2000708)		
<i>P. vivax</i> dhfr-ts	XM_001615032 (SAI-1)			
<i>P. malariae</i> dhfr-ts	AY846633 (Thai isolate)	EF188271 (Pm3)	EF188272 (Te)	EF188273 (Tu)
	AY846634 (Laos isolate)	EF198109 (Ch)	EF198110 (N)	EF198111 (O)
<i>P. ovale</i> spp. dhfr-ts	KP050405 (Po2003)	KP050411 (Po2013-1)	EU266605 (Po4)	
	KP050406 (Po2006)	KP050412 (Po2013-2)	EU266606 (Po3)	
	EU266608 (17w)	EU266609 (Po18)	EU266607 (Po4/2)	
	EU266610 (Po19)	KP050407-KP050410 (Po2012-1 to Po2012-4)		
<i>P. falciparum</i> dhps	XM_001349382 (3D7)	KI926388 (Tanzania 2000708)		
<i>P. vivax</i> dhps	XM_001617159 (SAI-1)			
<i>P. malariae</i> dhps	KJ400020 (PmS)	KJ400022 (YA)	KJ400023 (Av427)	KJ400024 (Pm5)
	KJ400025(AV1373)	KJ400026 (L138)	KJ400027 (T4)	KJ400028 (W13)