

Appendix Table. Primer sequences and amplification conditions of the 6 microsatellite loci and *Pfcr*, *Pfdhfr*, and *Pfdhps* genes of *Plasmodium falciparum**

Loci	GenBank accession no.	Size, bp	Hr	Primer ID	Primer sequences for first and second rounds of nested PCR (5' → 3')	Ta, °C
<i>Pf2689</i>	G37854	86	2	Pf2689 PCR1	TTA ACC TTA TAG CTT CAG AG TCT TCT TCA CTT ACA TTA AAG	56
				Pf2689 PCR2	TAT GCA CAC ACG TTT CTA 6-FAM—CTC CAA GGC ATT CAC GTA	54
7A11	G38831	92	7	7A11 PCR1	ACA TAT TAT TTC TTC GTA A TTA TCT CTT CTC TGA GTA A	53
				7A11 PCR2	ATG TGT AAG GAG ATA GTA TA 6-FAM—CAA CTT TCT CTT TTT AAA TAT TAC	54
<i>C4M79</i>	G42726	220	3	<i>C4M69</i> PCR1	TTT TGT AGG AAC ATG TAA GGA GAC TAG CTC TAC AAT A	53
				<i>C4M69</i> PCR2	TTT ATA TCA AGA ATG ACA ACC NED—TAG CAA CAA TAA ACA ATA TGG	57
<i>Pf2802</i>	G37818	136	5	<i>Pf2802</i> PCR1	GAT GCT TAG TTT AAT CTT ATA ACA AAT A GAC TTA CTT TCT TAC ATA AAA TCA TTA AC	60
				<i>Pf2802</i> PCR2	GTA TAA AAG GAA ATA CCT A NED—CAG ACT ATC TTA AGG GAA	52
TRAP	G37858	134	3	TRAP PCR1	ATA AAA CAA ATT ACC GAG TA ACA ATT CAG ATT ACC TGA A	56
				TRAP PCR2	CAT AAT AGT AGC AAG AGA PET—GAT TAT ATA TAG CGA TTT AC	49
<i>C4M69</i>	G37956	362	4	<i>C4M69</i> PCR1	AGA AAT GGA GAT AAA CTA TTA CAA CTA AGC GCA CGA GAA CAA TC	60
				<i>C4M69</i> PCR2	GAA ATG GAG ATA AAC TAT TAC VIC—AAT TAC ACA ACA GAT GTG AA	61
<i>Pfcr</i>			7	<i>Pfcr</i> PCR1	GTT CTT GTC TTG GTA AAT GT CCA ATT TTG TTT AAA GTT CT	50 then 45
				<i>Pfcr</i> PCR2	GTT CTT GTC TTG GTA AAT GT 6-FAM—TAA ATG TGC TCA TGT GTTTA	50 then 45
<i>Pfdhfr</i>			4	dhfr PCR1	<i>Pfdhfr</i> primers (template) TTC TCC TTT TTA TGA TGG AAC AAG T ATA TTT GAA AAT CAT TTG GAT GTA TAG	56
				dhfr PCR2	ACG TTT TCG ATA TTT ATG C TCA CAT TCA TAT GTA CTA TTT ATT C <i>Pfdhfr</i> primers (SNaPshot) AGG AGT ATT ACC ATG GAA ATG TA	47
				dhfr51-f	gactgactCTC ATT TTT GCT TTC A AC CTT ACA ACA T	
				dhfr16-r	gactgactACA AAA TGT TGT AGT TAT GGG AAG AAC AA	
				dhfr108-f	ctgactgactgactgactAAT TCT TGA TAA ACA ACG GAA CCT CCT A	
dhfr164-r	ctgactgactgactgactgactTGA TTC ATT CAC ATA TGT TGT AAC TGC AC					
<i>Pfdhps</i>			8	dhps PCR1	<i>Pfdhps</i> primers (template) GATTCTTTTTCAGATGGAGG TTCCTCATGTAATTCATCTGA	52
				dhps PCR2	GTT GAA CCT AAA CGT GCT GT TTC ATC ATG TAA TTT TTG TTG TG <i>Pfdhps</i> primers (SNaPshot) TTG ATC ATT CAT GCA ATG GG	49
				dhps613-r	gactGAG GAA ATC CAC ATA CAA TGG AT	
				dhps540-f	TAA GAG TTT AAT AGA TTG ATC ATG TTT CTT C	
				dhps581-r	gactgactAGT GTT ATA GAT ATA GGT GGA GAA TCC	
dhps436(1)-r	gactgactgactgactTGG ATT AGG TAT AAC AAA AAG GAI CA					
dhps436(2)-r	gactgactgactgactTTTT TTG GAT TAG GTA TAA CAA AAG GA					

*Size in basepairs for 3D7 clone. *Pfcr*, *P. falciparum* chloroquine resistance transporter; *Pfdhfr*, *P. falciparum* dihydrofolate reductase; *Pfdhps*, *P. falciparum* dihydropteroate synthase; Chr, chromosome. Primer sequences are given for reactions no. 1 (first round) and no. 2 (second round) of the nested PCRs and are 5' → 3' with fluorescent label (VIC, NED, 6-FAM or PET) and annealing temperature (Ta, °C). Thermocycling performed in a Biometra (Goettingen, Germany) 96-well T3 thermocycler.