Supporting information for Mehlotra *et al*. (2001) *Proc. Natl. Acad. Sci. USA* **98** (22), 12689–12694. (10.1073/pnas.221440898)

Table 4. *pfmdr1* primers and SSOPs

Primers for region I			
727up*	5′-GTG TTT GGT GTA ATA TTA AAG-3′		
1080dn	5′-CAA ACG TGC ATT TTT TAT TAA TG-3′		
Probes for region I		**Wash stringency**	
86N†	5′-GAA CAT GAA TTT AGG T-3′	1× SSC	37°C
86Y	5′-GAA CAT GTA TTT AGG T-3′	1× SSC	37°C
184Y	5′-AGG TTT ATA TAT TTG GT-3′	1× SSC	37°C
184F	5′-AGG TTT ATT TAT TTG GT-3′	1× SSC	37°C
Nest1 primers for region II			
3439up	5′-GAT CCA AGT TTT TTA ATA CAG G-3′		
4490dn	5′-TTA GGT TCT CTT AAT AAT GCT C-3′		
Nest2 primers for region II			
3570up	5′-TAT TGT AAA TGC AGC TTT ATG G-3′		
4264dn	5′-GAC TAA CTA TTG AAA ATA AGT TTC-3′		
Probes for region II		**Wash stringency**	
1034S	5′-GGA TTC AGT CAA AGC-3′	0.4× SSC	39°C
1034C	5′-GGA TTC TGT CAA AGC-3′	0.4× SSC	39°C
1042N	5′-ATT TAT TAA TAG TTT TGC-3′	1× SSC	39°C
1042D	5′- TT TAT TGA TAG TTT TGC-3′	1× SSC	39°C
1246D	5′-ACT TAA GAG ATC TTA G-3′	1× SSC	37°C
1246Y	5′-ACT TAA GAT ATC TTA GA-3′	1× SSC	37°C

PCR amplification of two *pfmdr1*-specific sequences was performed by using primers identified in Table 4. Nomenclature for PCR primers is based on the nucleotide sequence numbering of GenBank X56851 (1). For amplification of the 353-bp *pfmdr1* region I, a nested PCR strategy was not necessary. Reactions used 727up and 1080dn primers covering polymorphic codons 86 and 184. For *pfmdr1* region II, nest 1 reactions used 3439up and 4490dn, and nest 2 reactions used 3570up and 4264dn covering polymorphic codons 1034, 1042, and 1246. PCR conditions to amplify the region spanning codons 84 and 186 were: 95°C for 30 sec, 58°C for 30 sec, 72°C for 30 sec (40×). Nest 1 conditions to amplify the region spanning codons 1034, 1042, and 1246 were: 95°C for 30 sec, 58°C for 30 sec, 72°C for 90 sec (40×). Conditions for the nest 2 amplification were: 95°C for 30 sec, 58°C for 30 sec, 72°C for 1 min (40×).

*Nucleotide coordinates based on GenBank accession no. X56851.

†Probe nomenclature based on codon number (2).

References:

1. Triglia, T., Foote, S. J., Kemp, D. J. & Cowman, A. F. (1991) *Mol. Cell. Biol.* **11,** 5244-5250.

2. Fidock, D. A., Nomura, T. & Wellems, T. E. (1998) *Mol. Pharmacol.* **54,** 1140-1147.