

PlasmodB Acc. No.	Annotation	Forward primer (5'→3')	Reverse primer (5'→3')	Amplicons Position and Length (bp)
PF3D7_1343400	DNA repair protein RAD5, putative ( <i>RAD5</i> )	AAGGAAGACAACGGTGACG	TTTTTATCTGCTATTTGAGTTA	3250-3626 (377)
PF3D7_1417400	Cyclic nucleotide-binding protein, putative, pseudogene ( <i>cNBP</i> )	AAGATTTTATGGAGTTGAG	CATTTTTGTTGATATTAGAGTTT	340-3717 (296)
PF3D7_1343700	Putative kelch protein ( <i>K-13</i> )	TATAGGTGGATTTGATGGTGTAG	GTAATTA AAAAGCTGCTCCTGAACT	1341-1890 (550)
PF3D7_0110400	DNA-directed RNA polymerase 2, putative ( <i>RPB9</i> )	ATATCTCTGAAGCCAAATGAAAAT	ACCCAATCTCTTACTCGTCCTA	103-444 (341) <i>overlaps one intron</i>
PF3D7_0213400	Protein kinase 7 ( <i>PK7</i> )	TTCAATAAAGTCCAAGTA	AAGGTTTCACATCTCTAT	228-526 (298)
PF3D7_1115700	Cysteine proteinase falcipain 2a ( <i>FP2A</i> )	ATTGTTAGTTATTATTTTCATTATC	AAAGTCAGCATTATTGTTGTTATT	105-372 (267)
PF3D7_1302100	Gamete antigen 27/25 ( <i>Pfg27</i> )	TCGCAAGAATCAAAATAGA	TGTGGTTCATCAGGTGTTAC	231-638 (407)
PF3D7_0523000	Multidrug resistance protein 1 – Region A ( <i>PfMDR1</i> )	AGAGAAAAAAGATGGTAACCTCA	CCGTTAATTTATGTTTGTGGT	17-627 (610)
PF3D7_0523000	Multidrug resistance protein 1 – Region A ( <i>PfMDR1</i> )	TTTGTATGTGCTGTATTATCAGG	GCACGTTTGACTTTATGTATTAC	180-573 (416)
PF3D7_0523000	Multidrug resistance protein 1 – Region B ( <i>PfMDR1</i> )	TTTTTGCATTTAGTTCAGATGATG	GATGTTAAACGTGTTAGTAAGTTTGCTGCT	3014-3946 (962)
PF3D7_0523000	Multidrug resistance protein 1 – Region B ( <i>PfMDR1</i> )	AAAAGCTATTGATTATAAAAATAAAG	CCCATGTTATTTAATATGTCCATATATGAA	3138-3880 (772)
PF3D7_1303500	Sodium/hydrogen exchanger ( <i>PfNHE</i> )	AGTCGAAGGCGAATCAGATG	GATACTTACGAACATGTTTCATG	3734-4572 (860)
PF3D7_1303500	Sodium/hydrogen exchanger ( <i>PfNHE</i> )	ATCCCTGTTGATATATCGAATG	TTGTCATTAGTACCCTTAGTTG	3930-4390 (482)
PF3D7_0709000	Chloroquine resistance transporter ( <i>PfCRT</i> )	ATGAAATTCGCAAGTAAAAAAAATA	GTTTATTCCTTATTGGAAATAAAAAGGG	1-498 (428)
PF3D7_0709000	Chloroquine resistance transporter ( <i>PfCRT</i> )	CAAGCAAAAATGACGAGCGTTATAGAG	CAA AATTGGTAACTATAGTTTTG	37- 428 (414)

**Additional file 1: Details of Genes, Regions and Primers Used in Genetic Sequencing of *P. falciparum* ART-R and Control Strains** Genes that were sequenced in experimental and control strains of *P. falciparum* are listed by their designated name (<http://plasmodb.org/plasmo/>). The region of each gene sequenced, the primers used, and the commonly used accepted synonym for each gene is tabulated. The amplicon position and length for each gene refers to the complementary DNA (cDNA), except for *RPB9* which refers to genomic DNA.

