

Table 1

A total of 25 MS markers were tested flanking the K13 gene. In bold are MS markers (8.6kb and 31.5kb) that were informative and separated the C580Y haplotypes by geography. In green are MS markers = successful amplification. <i>Please refer to Table S1 for final raw data.</i>		
Number	Locus	Primer seq (5' to 3')
1	0.1kb	ATGAAGAAATTTTAAATGTTC
		ATTTATAGCTAATAAGTAATATC
2	0.5kb	TATGATAATATAAATTCTCATG
		TATTAATAGAATTGTTCAAACAT
3	0.1kb	CTTTAATATTTATTTTCATGCAC
		GAACAATTCTATTAATATTTTAAG
4	3.4kb	TCTACAGCGGTAAGATGAATAG
		TCCTTGGCATGTCCCGGCTGC
5	8.6kb	ACGGGTTTCTGTACGCCTCAC
		CTAAATTAGTGGCTTCTTCAT
6	15.1kb	CTTACTTCTAGGAGAATCCT
		GATAACTACTCATCTCCACA
7	20.0kb	CTAAACCAAATGAGATAAGG
		GTTATACTATTATACATATGTATAGG
8	21.0kb	TCCTATACATATGTATAATAGTATAAC
		AAGGATTCTTCGTACCTATG
9	31.0kb	GAAGATGTAGATATTACTTGTA
		TATAAGATTCGTTATTACATG
10	31.5kb	GTACAAATGAACCTCTTCC
		AATAATTCACCATGTCATGC
11	42.0kb	TGTTAAGCATCCATTCTCTC
		CATCTTAAATGTACAAATATGTCC
12	43.0kb	CATCTTAAATGTACAAATATGTCC
		TGTTAAGCATCCATTCTCTC
13*	72.3kb	TGTTAAGCATCCATTCTCTC
		TGTTAAGCATCCATTCTCTC
14	-0.1kb	ACAAGGCGTAAATATTCGTGT
		GATCCCTATCATACGTCATAG
15	-0.15kb	GATCCCTATCATACGTCATAG
		ACAAGGCGTAAATATTCGTG
16	-0.4kb	CGAAAAATAATTTATTATTCATAC
		TATATATACATTTACATATGG
17	-2.5kb	TGAAAACATATACATAGAATG
		TTCACAAATATATCACTGC
18	-2.0kb	GCAGTGATATATTTGTGAACAG
		TCCTTCATATTACATAAAGTCC
19	-3.0kb	GTTAATTATTGGGCTTACATTC
		GTCAATATTTATAATTTAGATGAG
20	-3.74kb	GTCAATATTTATAATTTAGATGAG
		GTCAATATTTATAATTTAGATGAG
21	-6.36kb	AATTAGACAGGACTTGTTAATG
		GGATATGTTATCCAAAATGCA
23*	-31.9kb	AATCAATCATGGAAATTATG
		TTGTTCAATTAAGGGTATTT
24	-36.0kb	ACATATTATTATGTGTGGATGTC
		ATAACAAATCAATAAATGAACTC
25	-40.0kb	TTAACGAGAATCGCTTCAT
		TAATTATCACTTAATTATATTG
26	-45.5kb	AGCACAATAAAGTTGGC
		TCTACCAGTATTAATATTTGAG
27	-50.0kb	ATGACGAGGATAACCATG
		AATATGTACGATCATTACAGT
28	-56.0kb	TCCTTCTATTTGTGTGAGTACAG
		TATTGTAATGCATGCACTG
		*Cheeseman, I.H., et al., A major genome region underlying artemisinin resistance in malaria. Science, p. 79-82. 2012. 336(6077):