

ADDITIONAL METHODS

The *P. falciparum* genome was scanned using the following parameters:

Minimum Peptide Length = 250 amino acids

Maximum Peptide Length = 5000 amino acids

Smoothing Window Length = 19 amino acids

Peak Threshold = 1.4 hydrophathy units (Kyte-Doolittle)

Valley Threshold = 0.2

Maximum Location for First Peak = within first 1000 amino acids

Minimum Peak Width = 12 amino acids

Maximum Peak Width = 60 amino acids

Allow Merged Peaks = True

Minimum Number of Transmembrane Domains = 7

Maximum Number of Transmembrane Domains = 22

Table 4: List of primers used in this study.

GENE	SEQUENCE (5' to 3') ^a	PRODUCT SIZE (bp)
PFB0435c	CAACTTTGCGTTCTCAGCAG (F) TGTGAAGCCAACTGGAAAAA (R)	427
PFE0775c	CCGGACGTTTTGTATTAGATGG (F) AAAGAAAGGAAGGAAGCGAGA (R)	400
PF11_0334	TGAGCCCAATACACTTGTTC (F) TCACCAGCGTGGTTACTG (R)	458
PFB0210c	GAAGAATGGAAAGAGCGGATT (F) ACACCATACGCACCCTTCTT (R)	453
PFI0955w	ATGTGCATAACGGCAACAAA (F) TTCTCATATGCACCACAAA (R)	437
PFI0785c	TGGAGTTTGGTTTGGTGGAT (F) TCATGGTGAATCCAGCTTTT (R)	386
PFE1455w	ATGATTGGTGTGGGTGGAAT (F) CAATAAGCTGCACGACATGG (R)	447
PFL0170w	GCCGCAAGTATGGAAGGTAA (F) AAATCCAGGCCCTTCTCATT (R)	377
MAL6P1.133	CCAAAAAGAAATTGGAAGGG (F) TTTGTGAATAAGGTCGGGAAA (R)	398
PFL0420w	TGTTTTGGTTATACAATCGTTTTG (F) TTCATTTCAATTTGCCAACA (R)	430
PFL1515c	GGAATGTGTTCTGTGTTTCG (F) AGATGAAATAGGGGAAGGGTCT (R)	497
MAL8P1.13	TGGCCATGTTTCAATCATTAG (F) TTGGGAATGGTTTGGTAGGA (R)	473
PF10_0215	AGTTGGCCGCATTCATAAT (F) GCACAGGTTGTTAGGAATGAAA (R)	440
PF11_0172	CCATCGTTTATGGGGACATT (F) TTTCGATGTCTCCTCGTTT (R)	499
PFB0465c	GCCAGATTATATGCCCGAAA (F) TCCCCAAAAGATCCTACCAA (R)	490
PFI1295c	GGGAACAATGTGACCTACCG (F) TTTCTTTTGGACAGGAGAGACA (R)	396
PF13_0252	TGGTGTAGTGGCAGGATTAGC (F) TTTTGTGTCCAACACCTGGA (R)	410
MAL8P1.32	CCGTTTGTGTTCCAGAAAAT (F) TGTGGAACATCCATAGCCTG (R)	423
PFA0160c	GAAAAGCGAGGAGATCCAGA (F) CCATCTTCGATAGAAAAATACGA (R)	471
PF14_0662	TGATTGTATCGATGGCTGATT (F) TTTCATTTTCATCATTGCGAAAA (R)	422
PFL1315w	AAAAAGAGAAGCGCATTGTTG (F) TACCATCCGTTTGGGATTTC (R)	381
PF14_0622	TCCGAATTGTTTTGGGTGTT (F) TTTCCTTGTGCTACTGATTTCG (R)	400
PF14_0342	ATTAAGTTCCAGCCGCTTT (F) TGATTCTTTCTCCGTATGTGC (R)	350
PFA0240w	TTCGGCCCTAAAATAACAGC (F) ATGTGCCTCCATGGTAAAAA (R)	362
PFA0245w	TATACAGCGACCTCAGCGTG (F) GCTGCAGCTCCTATAACGGT (R)	419
PFC0530w	TGTATTTGGGGAACATTGAA (F) CCTTGAGCTATTGCCTTTGG (R)	402
PFI0720w	TTTGAATCTTGGGTTGAGC (F) TTGTGGATGTGCCATAAAG (R)	450
PF11_0310	TCAAACCTGGGCTCAGTGGAT (F) GATGCGTCGTCTCCATAGGT (R)	320
PF14_0679	ACGTTGGTGGTTTTGATCGT (F) CACATTCAGCACCTCCATA (R)	397
MAL13P1.206	GCAACGTTTTGTTAGCTGT (F) GAGCAGCACTCCAGTCTTCA (R)	406
PFB0275w	AGCGTTAGAAGCCGATTTGA (F) AGGCAACGGTTGTTGTTACC (R)	374
PF11_0059	TGCTACCATGCTAGGACCATT (F) AAAGAAACCTGAGCCCTTCC (R)	447
PF14_0260	CAGTTAGCTGGTTGTGTGCAA (F) ACCACGGAAAAACAGTAAGC (R)	480
PF14_0387	GCGAAGGAAATACAAAAGCA (F) TGAAGCAAATGCTGAAGTGA (R)	401
β-Actin1	GTTGTTGACAACGGATCAGG (F) CCAGTGGTACGACCAGAAGAA (R)	425

^a Forward primer (F) and reverse primer (R).