

Additional file 1: Efficiencies and sequences of the forward (F) and reverse (R) primers.

Accession number	New accession number	Name	Forward (F) and reverse (R) Primers	R <sup>2</sup>	Slope	Efficiency	Concentration
PF11_0507	PF3D7_1149000	Antigen 332. DBL-like protein (Pf332)	F-GGGTCTTGGTATATAAGCATTCTTTGA R-TCCCCGTACCATGAACACG	0.99	-3.44	95.12	0.5 μM
PF10775w	PF3D7_0915800	Glycolipid transfer protein	F-TGTGCACAAGAAGCATATAATGAAGTATTA R-AAGTACAGTGAAGCTTGTGATGAG	0.98	-3.33	99.57	
PFE0475w	PF3D7_0509600	Asparagine-tRNA ligase	F-ATCAATTACCCAACATATAAAACCATT R-CTCTTCCGACCTCCTACAAC	0.99	-3.40	96.80	
MAL7P1.5	PF3D7_0701600	Pfmc-2TM Maurer's cleft two transmembrane protein (MC-2TM)	F-CAACCTTATTACATCTTTACTCTGCATTTA R-AAACCTATTTTCATGTCAGGAAAATAACT	0.99	-3.42	95.84	
PFL2065c	PF3D7_1242900	Mitochondrial import inner membrane translocase subunit	F-AAATTGGACCAAAAATTAAGTTCAAGTG R-TCTGTTCCAAGCGCTGATTTAAG	0.99	-3.32	100.15	
PFF1555w	PF3D7_0632000	Rifin (RIF)	F-TATTGGAATCGGTTTTACTGCAC R-AATGGCGAACAAATCACAGGT	0.99	-3.44	95.37	
PFC0305w	PF3D7_0307300	EB1 homolog	F-AAGATGATGAATCTATGGAACCTAACAAT R-CAGTAGGTGGCGTAGTCTATCGAAC	0.98	-3.29	101.45	0.9 μM
PF11_0014	PF3D7_1100800	Pfmc-2TM Maurer's cleft two transmembrane protein (MC-2TM)	F-TTGTGGGTTTAATTGAAGCATCTTCT R-ACATAAAAACCTGGAAAAATACATAGAGGATAAG	1.00	-3.38	97.77	
PFC0640w	PF3D7_0315200	Circumsporozoite- and TRAP-related protein (CTRP)	F-GGAATTATGCGTTTTCGCCAAAT R-GATGGGTAGCACCACCATATCC	0.99	-3.36	98.38	
PF14_0749	PF3D7_1477800	Acyl-CoA binding protein (ACBP)	F-AGAACTATAAATTTGCCCAATGAACTTAA R-TTATGTGCGCTTGGTTCCTT	1.00	-3.34	99.12	
PFE0140c	PF3D7_0502900	Mitochondrial inner membrane TIM10 associated protein	F-AGAAGTTTTCTGAACAAATGGGAAA R-TGTGGACGCCTTGGTTACAA	0.99	-3.40	96.71	
PF13_0010	PF3D7_1301200	Glycophorin binding protein (GBPH2)	F-GAGACAAATACCAACAAGATGCAGATT R-TGCGCACATTCCTTAATGAAG	0.98	-3.41	96.45	

For each probe, the new and old accession numbers, the name and acid nucleic sequences are given. R<sup>2</sup>, slope and efficiency were calculated to choose the best concentration to use for the qRT-PCR experiment.