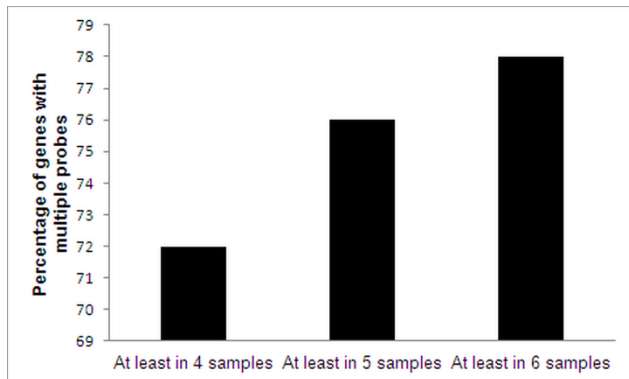
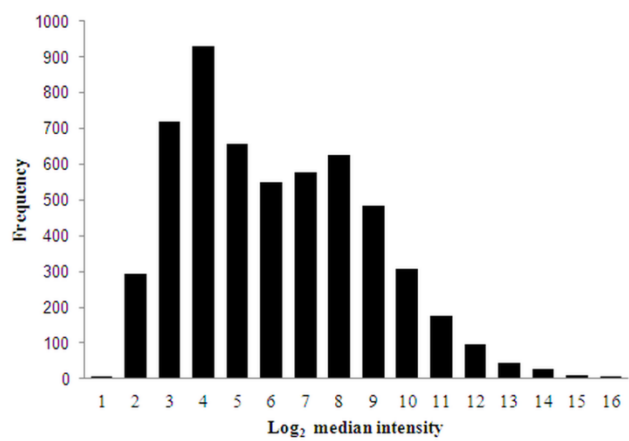


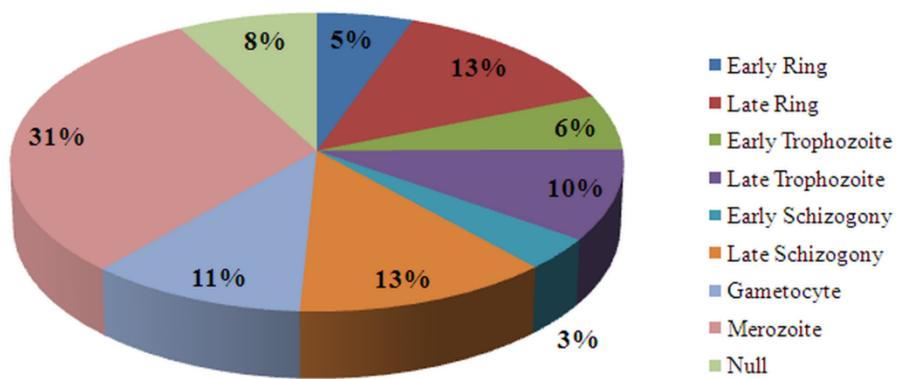
## Supplementary Information



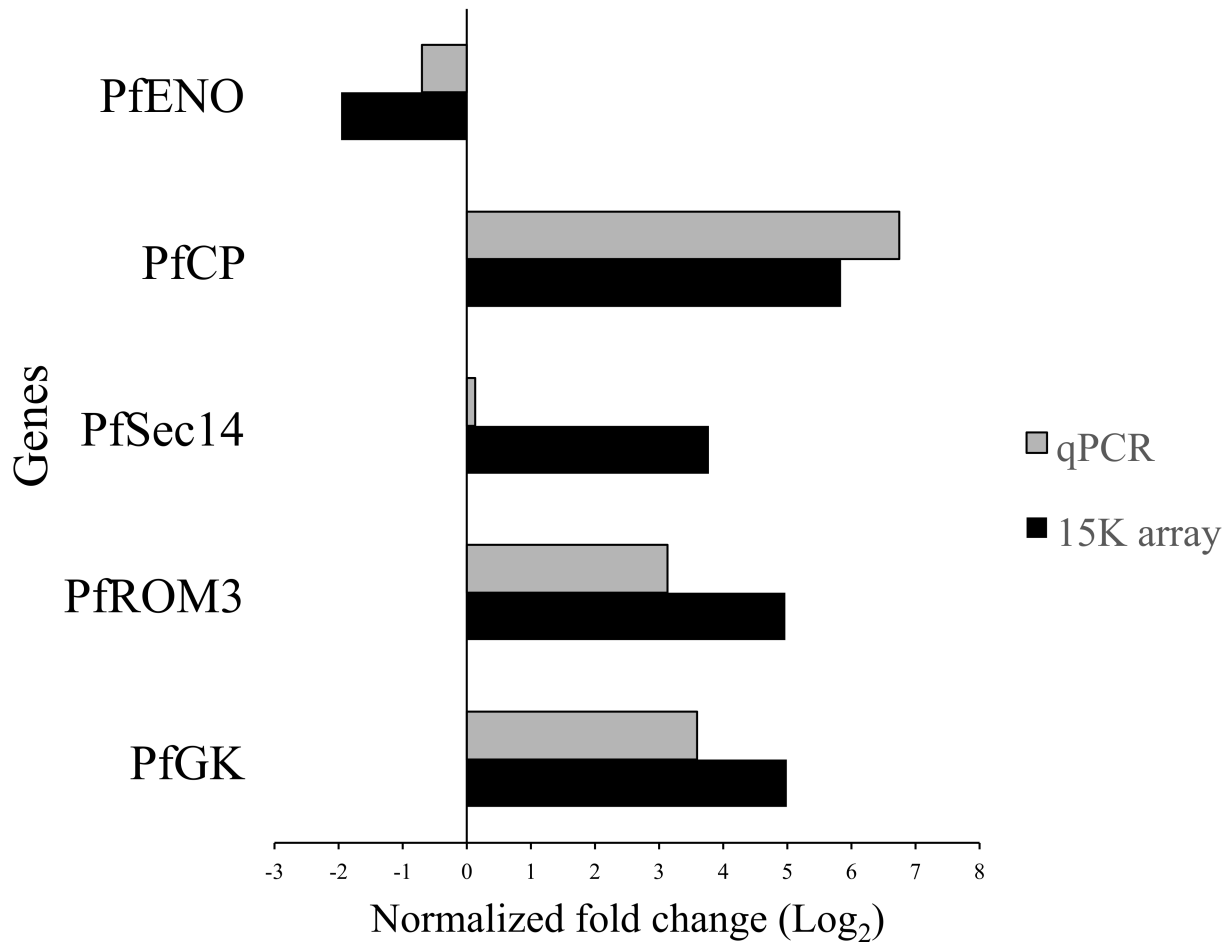
**Supplementary Fig. S1. Correlation between multiple probes representing the same gene and probe detection status.** The percentage of genes with multiple probes having average Pearson correlation between its representing probes  $\geq .8$  was determined for genes with its probes detected in at least 4, 5 and 6 samples out of 13 RNA samples.



**Supplementary Fig. S2. Probe intensity distribution.** Intensity distribution frequency of probes detected in at least one sample out of 13 samples. Median intensity ( $\text{Log}_2$ ) of probes in 13 RNA samples detected in at least one sample ( $n=5503$ ) was taken and graph was plotted.



**Supplementary Fig. S3. Maximum expression stage of undetected transcripts in different blood stages of the *P. falciparum*.** The blood stages at which each undetected transcript was reported to be expressed maximally were retrieved from PlasmoDB v8.2 (Aurrecochea et al., 2009).



**Supplementary Fig. S4:** Comparison between expression status of selected genes in 15K array and quantitative PCR data.

The correlation between microarray and qPCR data is 0.99 (Spearman's rank correlation).  
 Abbreviations: PfENO, Enolase (PF10\_0155); PfCP, conserved hypothetical protein (PF14\_0683); PfSec14, Sec 14 domain containing protein (PF1280w); PfROM3, Rhomboid protease 3 (MAL8P1.16), PfGK, glycerol kinase (PF13\_0269)

**Supplementary Table S1: Probe distribution in the 15K array**

Probe Classification		3D7 Strain	HB3 Strain	IT4 Strain
Probes representing any of the strain	6120			
Probes specific to		691	224	41
Common to anyone			5164	
Common to 3D7 and Hb3			5077	
Common to 3D7 and IT4	13			
Common to HB3 and IT4				6
Common between 3D7, HB3, IT4			9	
Cross hybridizing probes	194			
Human Probes (To check the Human RNA Contamination)	22			
Number of probes that can't be used for any strain after updated annotation	48			

**Supplementary Table S10:** Clinical profile of *P. falciparum* infected malaria patients

Patient ID	Clinical Presentation	Diagnostic tests for malaria		
		PBF	RMDT	PCR
PFU-02	Uncomplicated	+	+	+
PFU-03	Uncomplicated	+	+	+
PFU-04	Uncomplicated	+	+	+
PFU-05	Uncomplicated	+	+	+
PFU-06	Uncomplicated	+	+	+
PFU-08	Uncomplicated	+	+	+
PFC-06	Jaundice (ser.bil.-8.3)	+	+	+
PFC-13	Jaundice (ser.bil.-4.2)	+	+	+
PFC-10	Jaundice(ser.bil.-11), Anemia (Hb- 5.2)	+	+	+
PFC-11	Jaundice(ser.bil.-7), Anemia (Hb- 6)	+	+	+
PFC-12	Jaundice(ser.bil.-74.3), Anemia (Hb- 5)	+	+	+
PFC-23	Jaundice (ser.bil.-6.2)	+	+	+
PFC-24	Jaundice (ser.bil.- 5.2)	+	+	+

Abbreviations: PBF, peripheral blood film; RMDT, rapid malaria diagnostic test; ser.bil, serum bilirubin (in mg/dL); ser.creat, serum creatinine (in mg/dL); Hb, hemoglobin (gm/dL); Platelet (in  $10^3/\text{mm}^3$  of blood)

**Supplementary Table 11:** Primers used in real time qPCR validation experiment

Amplification/Gene	Primer	Primer sequence (5' -> 3')
PF10_0155	PfENO-F	ACAGCAGCTATTGGAAAGGATG
	PfENO-R	TTCTGCATGGTGCTCCTGTT
PF14_0683	PF14_0683-F	ATGTTGGAGGTGTGTGTGAGA
	PF14_0683-R	AACCATTCTCTCCGTAACAACA
PFF1280w	Pfsec14F	GCAGTGAAACAAAAGGACGTT
	Pfsec14R	GTGTCTCCTTATCACATGGGG
MAL8P1.16	PfRHOPF	ACTCGGGGCAACTTATGGTC
	PfRHOPR	AACCCACTAGTTGATGCTCCT
PF13_0269	PfGKF	TGATCCAAGTGAAGCTAGCGA
	PfGKR	TCATGCCTCCATCACATCGT
PF07_0073	PfStRsF	TCAGGAGCTTTAAACAACGCA
	PfStRsR	GTGCAGCTACCATTGTTCCA