

Table S1. Characteristics of participants (Kinshasa, Democratic Republic of the Congo [-/+ malaria]).

Characteristic	Control (-malaria)	Infected (+malaria)	P-value¹
	n=17	n=17	
	Mean (SD)		
Maternal age (years)	28.2 (6.2)	24.5 (4.4)	0.05
Gestational age at delivery (weeks)	37.5 (1.5)	37.6 (1.3)	0.81
Birthweight (grams)	2938 (464)	2771 (538)	0.34
	N (%)		P-value²
Preterm labor (<37 weeks)	6 (35%)	3 (18%)	0.44
Low birthweight (<2500 grams)	1 (6%)	6 (35%)	0.09
Primigravidae	3 (18%)	9 (53%)	0.07
Multigravidae	14 (82%)	8 (47%)	0.07

¹ For maternal age, gestational age at delivery, and birthweight, the p-values were derived from a T-test of differences in mean values in controls vs. malaria-infected cases.

² For preterm labor, low birthweight, and parity categories, the p-values were derived from a Fisher's exact test of differences of proportions in controls versus malaria-infected cases.

Table S2. Infection parameters and histopathological features (Kinshasa, Democratic Republic of the Congo [-/+ malaria]).

	Control (-malaria) n=17	Infected (+malaria) n=17	
Infection Parameters¹	Median (Min, Max)		
iRBCs/400x field (#)	<i>na</i>	100.7 (0.07, 1000+)	
villi with hemozoin/total villi in a 400x field (%)	<i>na</i>	9.0 (0, 27.0)	
Histopathological Features¹	Median (Min, Max)		P-value
leukocytes/400x field (#)	18.0 (8.6, 30.5)	26.3 (14.6, 128.0)	0.01
# villi with loss of STB/total villi in a 400x field (%)	9.0 (3.0, 13.0)	17.0 (10.0, 39.0)	<0.0001

¹ Descriptive statistics are based on means for 5 biopsies per placenta and 3 fields per biopsy