Table S1. Summary statistics of microscopy-based diagnosis in relation to the gold-standard molecular diagnosis. PPV: positive predictive value; NPV: negative predictive value.

Species	Sensitivity	Specificity	PPV	NPV
	% (95% CI)	% (95% CI)	% (95% CI)	% (95% CI)
Pf	25 (18-33)	99 (99-100)	77 (62-88)	95 (94-96)
Pv	1 (0-5)	100 (100-100) ^a	100 (16-100)	93 (92-94)

^a There were zero instances of microscopy positive *P. vivax* diagnoses which were negative by molecular diagnosis.

Table S2. Association of infection outcomes according to household infection status, with odds ratios (OR) of infection prevalence by household type compared to the background population infection prevalence. Outcomes are presented as N individuals and % prevalence in italics. Panel A summarises outcomes associated with cohabiting with RDT positive individuals, Panel B, *P. falciparum* positive individuals (by PCR diagnosis), Panel C for *P. vivax* (by PCR diagnosis), and Panel D *P. vivax* infections in Duffy positive and Duffy negative households. Table shading correspond to the different infections: any species (orange), *P. falciparum* (green), and *P. vivax* (blue). The index infected individual(s) in each household is/are excluded from the counts.

Outcome

•				Outcome					
А		RDT po	s	RDT ne	g	TOTAL	OR	95% CI	p-value
	Whole pop	85	4%	1978	96%	2063		Reference	-
	Cohabiting with ≥1 RDT pos	19	6%	326	94%	345	1.356	(0.81-2.26)	0.2408
	Cohabiting with ≥2 RDT pos	6	11%	47	88%	53	2.97	(1.24-7.14)	0.0107
	<u> </u>							,	
		PCR pc)S	PCR neg	g	TOTAL	OR	95% CI	p-value
	Whole pop	284	14%	1779	86%	2063		Reference	
	Cohabiting with ≥1 RDT pos	71	21%	274	79%	345	1.62	(1.22-2.17)	0.0010
	Cohabiting with ≥2 RDT pos	66	20%	266	80%	332	1.55	(1.15-2.09)	0.0034
								(
		Pf PCR 1	oos	Pf PCR n	eg	TOTAL	OR	95% CI	p-value
	Whole pop	145	7%	1918	93%	2063		Reference	·
	Cohabiting with ≥1 RDT pos	45	13%	300	87%	345	1.98	(1.39-2.83)	0.0001
	Cohabiting with ≥2 RDT pos	41	12%	291	88%	332		(1.29-2.69)	0.0008
								(
		Pv PCR	pos	Pv PCR r	ieg	TOTAL	OR	95% CI	p-value
	Whole pop	137	7%	1926	93%	2063		Reference	·
	Cohabiting with ≥1 RDT pos	27	8%		92%	345	1.19	(0.78-1.83)	0.4190
	Cohabiting with ≥2 RDT pos	26	8%		92%	332		(0.77-1.85)	0.4240
								····	
_				Outcome					
В		PCR pc)S	PCR ne	2	TOTAL	OR	95% CI	p-value
_	Whole pop		14%		86%	2063		Reference	٠ ١
	Cohabiting with ≥1 Pf PCR pos	105	22%	362	77%	467	1.82	(1.41-2.33)	< 0.0001
	Cohabiting with ≥2 Pf PCR pos	41	26%	118	74%	159		(1.49-3.17)	< 0.0001
								`	
		Pf PCR 1	oos	Pf PCR n	eg	TOTAL	OR	95% CI	p-value
	Whole pop	145	7%	1918	93%	2063		Reference	·
	Cohabiting with ≥1 Pf PCR pos	47	10%	420	90%	467	1.48	(1.05-2.09)	0.0253
	Cohabiting with ≥2 Pf PCR pos	18	11%	141	89%	159	1.69	(1.01-2.84)	0.0455
		Pv PCR	pos	Pv PCR n	ieg	TOTAL	OR	95% CI	p-value
	Whole pop	137	7%	1926	93%	2063		Reference	
	Whole pop Cohabiting with $\geq 1 Pf$ PCR pos		7% 12%	1926	93% 88%	2063 467	1.84	Reference (1.32-2.56)	0.0003
		137		1926 413					0.0003 0.0049
	Cohabiting with ≥1 Pf PCR pos	137 54	12%	1926 413	88%	467		(1.32-2.56)	
_	Cohabiting with ≥1 Pf PCR pos	137 54	12%	1926 413	88%	467		(1.32-2.56)	
C	Cohabiting with ≥1 Pf PCR pos	137 54	12% 13%	1926 413 139	88% 87%	467		(1.32-2.56)	
C	Cohabiting with ≥1 Pf PCR pos	137 54 20 PCR pc	12% 13%	1926 413 139 Outcome PCR neg	88% 87%	467 159	2.02	(1.32-2.56) (1.23-3.33)	0.0049
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos	137 54 20 PCR pc 284	12% 13%	1926 413 139 Outcome PCR neg	88% 87%	467 159 TOTAL	2.02 OR	(1.32-2.56) (1.23-3.33) 95% CI	0.0049
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop	137 54 20 PCR pc 284 97	12% 13% 0s 14%	1926 413 139 Outcome PCR neg 1779	88% 87% 8	467 159 TOTAL 2063	2.02 OR 1.86	(1.32-2.56) (1.23-3.33) 95% CI Reference	0.0049 p-value
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos	137 54 20 PCR pc 284 97	12% 13% 0s 14% 23%	1926 413 139 Outcome PCR neg 1779 326	88% 87% 86% 77%	467 159 TOTAL 2063 423	2.02 OR 1.86	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41)	0.0049 p-value <0.0001
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos	137 54 20 PCR pc 284 97	12% 13% 0s 14% 23% 25%	1926 413 139 Outcome PCR neg 1779 326	88% 87% 86% 77% 74%	467 159 TOTAL 2063 423	2.02 OR 1.86	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41)	0.0049 p-value <0.0001
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32	12% 13% 0s 14% 23% 25%	1926 413 139 Outcome PCR nep 1779 326 94	88% 87% 86% 77% 74%	467 159 TOTAL 2063 423 126	2.02 OR 1.86 2.13	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25)	0.0049 p-value <0.0001 0.0003
c	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos	PCR pc 284 97 32	12% 13% 08 14% 23% 25%	1926 413 139 Outcome PCR nep 1779 326 94 Pf PCR n	88% 87% 86% 77% 74%	467 159 TOTAL 2063 423 126	2.02 OR 1.86 2.13	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25)	0.0049 p-value <0.0001 0.0003
С	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop	PCR pc 284 97 32 Pf PCR 145 50	12% 13% 08 14% 23% 25%	1926 413 139 Outcome PCR nep 1779 326 94 Pf PCR n 1918 373	88% 87% 86% 77% 74% eg	467 159 TOTAL 2063 423 126 TOTAL 2063	2.02 OR 1.86 2.13 OR 1.77	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference	0.0049 p-value <0.0001 0.0003 p-value
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50	12% 13% 0s 14% 23% 25% 0os 7% 12%	1926 413 139 Outcome PCR nep 1779 326 94 Pf PCR n 1918 373	88% 87% 86% 77% 74% eg 93% 88%	467 159 TOTAL 2063 423 126 TOTAL 2063 423	2.02 OR 1.86 2.13 OR 1.77	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49)	p-value <0.0001 0.0003 p-value 0.0008
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50	12% 13% 0s 14% 23% 25% 0os 7% 12% 10%	1926 413 139 Outcome PCR nep 1779 326 94 Pf PCR n 1918 373	88% 87% 86% 77% 74% eg 93% 88% 90%	467 159 TOTAL 2063 423 126 TOTAL 2063 423	2.02 OR 1.86 2.13 OR 1.77	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49)	p-value <0.0001 0.0003 p-value 0.0008
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 1 145 50	12% 13% 0s 14% 23% 25% 0os 7% 12% 10%	1926 413 139 Outcome PCR neg 1779 326 94 Pf PCR n 1918 373 114	88% 87% 22 86% 77% 74% eeg 93% 88% 90%	467 159 TOTAL 2063 423 126 TOTAL 2063 423 126	2.02 OR 1.86 2.13 OR 1.77 1.39	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58)	p-value <0.0001 0.0003 p-value 0.0008 0.2920
С	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 P ν PCR pos Cohabiting with ≥ 2 P ν PCR pos Whole pop Cohabiting with ≥ 1 P ν PCR pos Cohabiting with ≥ 2 P ν PCR pos Cohabiting with ≥ 2 P ν PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 137	12% 13% 13% 14% 23% 25% 008 7% 12% 10%	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR r 1926	88% 87% 22 86% 77% 74% eeg 93% 88% 90%	467 159 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL	2.02 OR 1.86 2.13 OR 1.77 1.39 OR	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58)	p-value <0.0001 0.0003 p-value 0.0008 0.2920
c	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos	PCR pc 284 97 32 Pf PCR 1 145 50 12 Pv PCR 137 49	12% 13% 13% 14% 23% 25% 00S 7% 10%	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR r 1926 374	88% 87% 22 86% 77% 74% 88% 90%	467 159 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063	2.02 OR 1.86 2.13 OR 1.77 1.39 OR	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference	0.0049 p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 1 145 50 12 Pv PCR 137 49	12% 13% 14% 23% 25% 00S 7% 12% 10%	1926 413 139 Outcome PCR neg 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106	88% 87% 2 86% 77% 74% 93% 88% 90% 88% 88%	467 159 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423	2.02 OR 1.86 2.13 OR 1.77 1.39 OR	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60)	p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value 0.0004
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 137 49 20	12% 13% 13% 14% 25% 14% 25% 10% 7% 12% 10% 16% 16%	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR r 1926 374 106 Outcome	88% 87% 22 86% 77% 74% 93% 88% 90%	TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126	2.02 OR 1.86 2.13 OR 1.77 1.39 OR 1.84 2.65	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41)	p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value 0.0004 0.0001
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 20 Pv PCR 20	12% 13% 08 14% 23% 25% 7% 12% 10% 12% 16%	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106 Outcome Pv PCR n	88% 87% 22 86% 77% 74% 93% 88% 90% 88% 84%	467 159 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126	2.02 OR 1.86 2.13 OR 1.77 1.39 OR	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41)	p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value 0.0004
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 23	12% 13% 13% 14% 23% 25% 12% 10% 12% 16% 16% 16%	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106 Outcome Pv PCR n 472	88% 87% 87% 87% 87% 87% 87% 87% 87% 87%	TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126	2.02 OR 1.86 2.13 OR 1.77 1.39 OR 1.84 2.65	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41)	0.0049 p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value 0.0004 0.0001 p-value
C	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 $P\nu$ PCR pos Cohabiting with ≥ 2 $P\nu$ PCR pos Whole pop Cohabiting with ≥ 1 $P\nu$ PCR pos Cohabiting with ≥ 2 $P\nu$ PCR pos	PV PCR 137 49 20 Pv PCR 23 5	12% 13% 13% 14% 23% 25% 16% 10% 5% 6% 6%	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106 Outcome Pv PCR n 472 82	88% 87% 87% 88% 77% 74% eeg 93% 88% 90%	TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 495 87	2.02 OR 1.86 2.13 OR 1.77 1.39 OR 1.84 2.65 OR 1.25	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41) 95% CI Reference (0.46-3.38)	p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value 0.0004 0.0001 p-value 0.6582
D	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 23	12% 13% 13% 14% 23% 25% 12% 10% 12% 16% 16% 16%	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106 Outcome Pv PCR n 472 82	88% 87% 87% 87% 87% 87% 87% 87% 87% 87%	TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126	2.02 OR 1.86 2.13 OR 1.77 1.39 OR 1.84 2.65 OR 1.25	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41)	0.0049 p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value 0.0004 0.0001 p-value
D	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 23 5 2	12% 13% 13% 14% 25% 14% 25% 10% 16% 25% 16% 25%	1926 413 139 Outcome PCR nep 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106 Outcome Pv PCR n 472 82 6	88% 87% 87% 77% 74% 93% 88% 90% 88% 84% 94% 73%	TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 495 87 8	2.02 OR 1.86 2.13 OR 1.77 1.39 OR 1.84 2.65 OR 1.25 6.84	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41) 95% CI Reference (0.46-3.38) (1.31-35.77)	p-value <0.0003 p-value 0.0008 0.2920 p-value 0.0004 0.0001 p-value 0.6582 0.0086
D	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 23 5 2	12% 13% 13% 14% 23% 25% 10% 12% 10% 25	1926 413 139 Outcome PCR nep 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106 Outcome Pv PCR n 472 82 6	88% 87% 87% 87% 87% 77% 77% 93% 88% 90% 88% 84% 99% 1000 95% 93% 88% 84% 95% 73% 88% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95	467 159 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 495 87 8	2.02 OR 1.86 2.13 OR 1.77 1.39 OR 1.84 2.65 OR 1.25	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41) 95% CI Reference (0.46-3.38) (1.31-35.77)	p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value 0.0004 0.0001 p-value 0.6582
D	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 23 5 2 Pv PCR 107	12% 13% 14% 23% 14% 25% 25% 25% 25% 25% 25% 25% 25% 25% 25	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106 Outcome Pv PCR n 472 82 6 Pv PCR n 1266	88% 87% 87% 74% 93% 88% 90% 93% 88% 90% 93% 73% 88% 73%	TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 495 87 8 TOTAL 1373	2.02 OR 1.86 2.13 OR 1.77 1.39 OR 1.84 2.65 OR 1.25 6.84 OR	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41) 95% CI Reference (0.46-3.38) (1.31-35.77) 95% CI Reference	p-value <0.0001 0.0003 p-value 0.0008 0.2920 p-value 0.0004 0.0001 p-value 0.6582 0.0086 p-value
D	Cohabiting with ≥ 1 Pf PCR pos Cohabiting with ≥ 2 Pf PCR pos Whole pop Cohabiting with ≥ 1 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 2 Pv PCR pos Cohabiting with ≥ 1 Pv PCR pos	PCR pc 284 97 32 Pf PCR 145 50 12 Pv PCR 23 5 2 Pv PCR 107	12% 13% 13% 14% 23% 25% 10% 12% 10% 25	1926 413 139 Outcome PCR neq 1779 326 94 Pf PCR n 1918 373 114 Pv PCR n 1926 374 106 Outcome Pv PCR n 472 82 6 6 Pv PCR n 1266 262	88% 87% 87% 87% 87% 77% 77% 93% 88% 90% 88% 84% 99% 1000 95% 93% 88% 84% 95% 73% 88% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95	467 159 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 2063 423 126 TOTAL 495 87 8	2.02 OR 1.86 2.13 OR 1.77 1.39 OR 1.84 2.65 OR 1.25 6.84 OR 1.76	(1.32-2.56) (1.23-3.33) 95% CI Reference (1.44-2.41) (1.40-3.25) 95% CI Reference (1.26-2.49) (0.75-2.58) 95% CI Reference (1.31-2.60) (1.60-4.41) 95% CI Reference (0.46-3.38) (1.31-35.77)	p-value <0.0003 p-value 0.0008 0.2920 p-value 0.0004 0.0001 p-value 0.6582 0.0086

Table S3. *P. falciparum* infection among Duffy positive and negative hosts, as detected by molecular diagnosis. Odds ratios by unconditional maximum likelihood estimation (Wald).

	N	P. falciparum	infection	Odds Ratio	Chi-Sq p-value	
	11	Negative	Positive	(95% CI)		
Phenotype						
Duffy positive	964	894 (92.7%)	70 (7.3%)	Reference		
Duffy negative	914	855 (93.5%)	59 (6.5%)	0.88 (0.62-1.26)	0.490	
Genotype						
(+/+)	246	224 (91.1%)	22 (8.9%)	Reference		
(+/-)	718	670 (93.3%)	48 (6.7%)	0.73 (0.43-1.24)	0.239	
(-/-)	914	855 (93.5%)	59 (6.5%)	0.70 (0.42-1.17)	0.174	