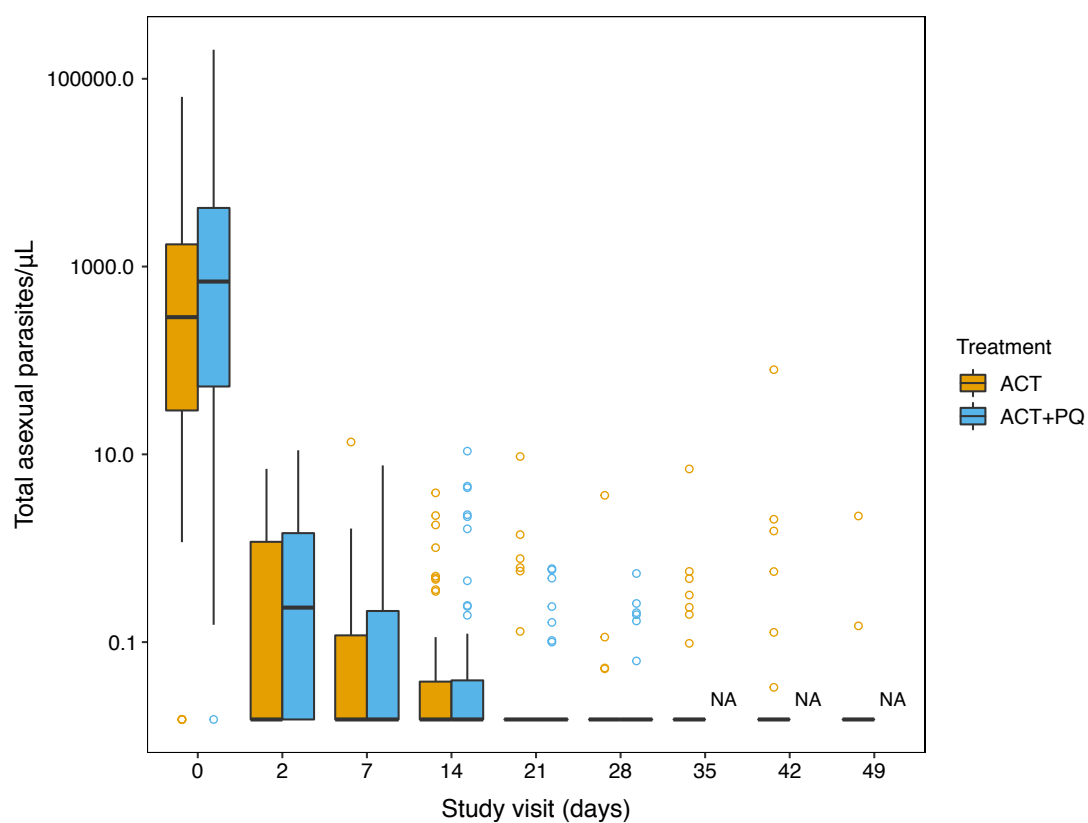


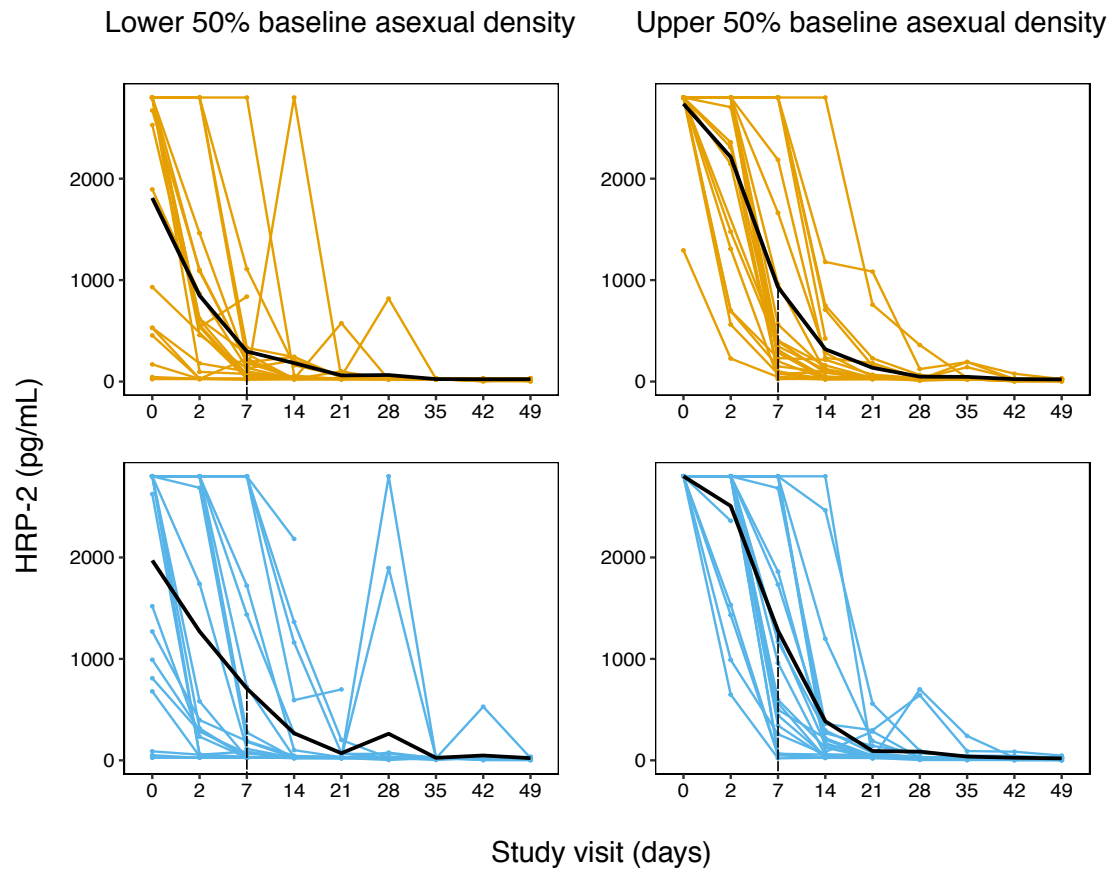
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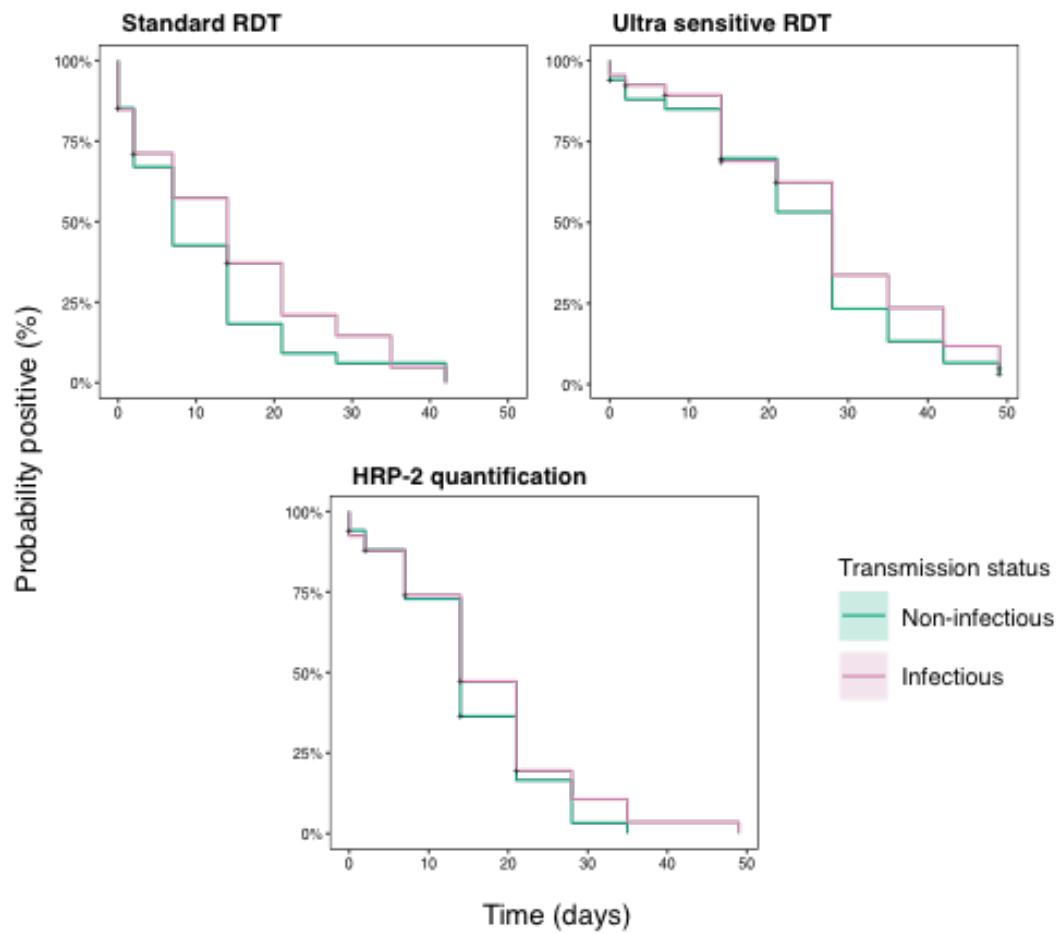


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8 **Supplementary figure 1.** Asexual parasite densities at each study visit by treatment group, as
9 measured by qPCR. Boxes are presented as median and interquartile range.



10 Treatment — ACT — ACT+PQ
 11 **Supplementary figure 2.** Comparison of levels of HRP-2 between ACT and ACT+PQ group
 12 stratified by baseline asexual density. Solid black line represents mean levels of HRP-2.
 13 Dotted black lines at study visit 7 are to assist in identifying differences in mean levels of
 14 HRP-2 between groups and strata.



15
 16 **Supplementary figure 3.** Kaplan-Meier plots showing time to negativity by standard RDT,
 17 ultra-sensitive RDT and quantified HRP-2 between the mosquito non-infectious (green) and
 18 mosquito infectious (red) individuals.

19 **Supplementary table 1.** Cox proportional hazards ratio by test, between infectious and non-
20 infectious individuals. Reported with and without adjustment for baseline gametocyte density.

Test	Variate	Coefficients	Hazard ratio	95% CI	P
Standard RDT	Univariate	Infectious at day 0	0.76	0.49-1.16	0.197
	Multivariate	Infectious at day 0	0.76	0.49-1.18	0.229
		Baseline gametocyte density	1	1	0.763
Ultra sensitive RDT	Univariate	Infectious at day 0	0.79	0.51-1.24	0.309
	Multivariate	Infectious at day 0	0.80	0.50-1.27	0.344
		Baseline gametocyte density	1	1	0.607
Quantified HRP-2	Univariate	Infectious at day 0	0.79	0.51-1.22	0.286
	Multivariate	Infectious at day 0	0.79	0.50-1.24	0.301
		Baseline gametocyte density	1	1	0.677

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