

Supplemental Figure 1. Weighted Kappa statistic for blood smear and LDR-FMA concordance. Counts were weighted to adjust for the accuracy of identifying species combinations between the two diagnostic methods. A weight of 1.00 was applied when the diagnostic methods were in 100% agreement in detecting a single species infection, double, triple, or quadruple infections, or the absence of infection. Weights of 0.75, 0.50 and 0.25 were applied when the diagnostic methods concurred on 3/4, 2/4, 1/4 species in a sample, respectively.

		Blood Smear															
		F	V	M	O	FV	FM	FO	VM	VO	MO	FVM	FVO	FMO	VMO	FVMO	NEG
LDR-FMA	F	1.00	0.50	0.50	0.50	0.75	0.75	0.75	0.25	0.25	0.25	0.50	0.50	0.50	0	0.25	0.75
	V	0.50	1.00	0.50	0.50	0.75	0.25	0.25	0.75	0.75	0.25	0.50	0.50	0	0.50	0.25	0.75
	M	0.50	0.50	1.00	0.50	0.25	0.75	0.25	0.75	0.25	0.75	0.50	0	0.50	0.50	0.25	0.75
	O	0.50	0.50	0.50	1.00	0.25	0.25	0.75	0.25	0.75	0.75	0	0.50	0.50	0.50	0.25	0.75
	FV	0.75	0.75	0.25	0.25	1.00	0.50	0.50	0.50	0.50	0	0.75	0.75	0.25	0.25	0.50	0.50
	FM	0.75	0.25	0.75	0.25	0.50	1.00	0.50	0.50	0	0.50	0.75	0.25	0.75	0.25	0.50	0.50
	FO	0.75	0.25	0.25	0.75	0.50	0.50	1.00	0	0.50	0.50	0.25	0.75	0.75	0.25	0.50	0.50
	VM	0.25	0.75	0.75	0.25	0.50	0.50	0	1.00	0.50	0.50	0.75	0.25	0.25	0.75	0.50	0.50
	VO	0.25	0.75	0.25	0.75	0.50	0	0.50	0.50	1.00	0.50	0.25	0.75	0.25	0.75	0.50	0.50
	MO	0.25	0.25	0.75	0.75	0	0.50	0.50	0.50	0.50	1.00	0.25	0.25	0.75	0.75	0.50	0.50
	FVM	0.50	0.50	0.50	0	0.75	0.75	0.25	0.75	0.25	0.25	1.00	0.50	0.50	0.50	0.75	0.25
	FVO	0.50	0.50	0	0.50	0.75	0.25	0.75	0.25	0.75	0.25	0.50	1.00	0.50	0.50	0.75	0.25
	FMO	0.50	0	0.50	0.50	0.25	0.75	0.75	0.25	0.25	0.75	0.50	0.50	1.00	0.50	0.75	0.25
	VMO	0	0.50	0.50	0.50	0.25	0.25	0.25	0.75	0.75	0.75	0.50	0.50	0.50	1.00	0.75	0.25
	FVMO	0.25	0.25	0.25	0.25	0.50	0.50	0.50	0.50	0.50	0.50	0.75	0.75	0.75	0.75	1.00	0
	NEG	0.75	0.75	0.75	0.75	0.50	0.50	0.50	0.50	0.50	0.50	0.25	0.25	0.25	0.25	0	1.00