Supplementary Table 1. Samples collected from 10 sites in Uganda over time

Site	Samples collected from different sites at different time points							
	April - June, 2016		Dec, 2016 – Jan, 2017		May - June, 2017		Total	
	Collected	With results	Collected	With results	Collected	With results	Collected	With results
Agago	50	46	50	50	50	49	150	145
Amolatar	50	50	50	47	50	49	150	146
Arua	50	41	50	49	50	50	150	140
Kole	50	44	50	50	50	49	150	143
Kanungu	50	48	50	50	50	50	150	148
Kabale	50	49	50	50	19	18	119	117
Mubende	50	49	50	50	50	50	150	149
Jinja	50	47	50	50	50	50	150	147
Tororo	50	47	41	41	50	50	141	138
Lamwo	49	42	50	50	50	49	149	141
Total	**499**	**463**	**491**	**487**	**469**	**464**	**1459**	**1414**

Supplementary Table 2. Prevalence of *K13* non-synonymous single nucleotide polymorphisms at different sites in Uganda

Region	Site	N	*K13* SNP Prevalence	SNPs Detected
North	Lamwo	43	8 (19%)	C469Y, C469F, A675V
North	Agago	42	6 (14%)	C469Y, C469F, G665S, A675V
South West	Kanungu	48	4 (8%)	G533A, I549T
North West	Arua	43	3 (7%)	A578S, A675V
North Central	Kole	47	3 (6%)	C469Y, C469F, A675V
East Central	Jinja	48	2 (4%)	A578S
North Central	Amolatar	48	1 (2%)	A578S
Central	Mubende	45	1 (2%)	C469Y
East	Tororo	48	1 (2%)	C469F

N, number of samples sequenced.

Supplementary Table 3. Frequency of detection of *K13* alleles at the indicated loci

Loci (N=412)	Wild Type	Mixed	Mutant
A675V	404 (98.0%)	1 (0.2%)	7 (1.8%)
C469Y	406 (98.5%)	3 (0.7%)	3 (0.7%)
C469F	408 (99.0%)	1 (0.3%)	3 (0.7%)
A578S	409 (99.3%)	0	3 (0.7%)
G533A	410 (99.5%)	0	3 (0.7%)
I540T	410 (99.5%)	0	2 (0.5%)
G665S	411 (99.8%)	0	1 (0.2%)

N, number of samples sequenced.

Supplementary Table 4: Prevalence of wild type, mixed, and mutant sequences of transporter alleles at indicated sites and survey periods

Locus	Site	Survey	N	Wild type	Mixed	Mutant
Pfcrt K76T	Agago	1	44	42 (95.5%)	1 (2.3%)	1 (2.3%)
	Agago	2	46	43 (93.5%)	0	3 (6.5%)
	Agago	3	43	40 (93.0%)	2 (4.7%)	1 (2.3%)
	Amolatar	1	50	31 (62%)	1 (2%)	18 (36%)
	Amolatar	2	41	39 (95.1%)	0	2 (4.9%)
	Amolatar	3	41	41 (100%)	0	0
	Arua	1	40	37 (92.5%)	2 (5%)	1 (2.5%)
	Arua	2	48	47 (97.9%)	1 (2.1%)	0
	Arua	3	39	39 (100%)	0	0
	Jinja	1	42	9 (21.4%)	3 (7.1%)	30 (71.4%)
	Jinja	2	48	30 (62.5%)	2 (4.2%)	16 (33.3%)
	Jinja	3	41	28 (68.3%)	4 (9.8%)	9 (22%)
	Kabale	1	49	44 (89.8%)	1 (2%)	4 (8.2%)
	Kabale	2	50	46 (92%)	1 (2%)	3 (6%)
	Kabale	3	18	18 (100%)	0	0
	Kanungu	1	48	22 (45.8%)	2 (4.2%)	24 (50%)
	Kanungu	2	47	28 (59.6%)	4 (8.5%)	15 (31.9%)
	Kanungu	3	44	29 (65.9%)	2 (4.6%)	13 (29.6%)
	Kole	1	44	42 (95.5%)	1 (2.3)	1 (2.3%)
	Kole	2	43	40 (93%)	1 (2.3%)	2 (4.6%)
	Kole	3	40	38 (95%)	0	2 (5%)
	Lamwo	1	43	39 (90.7%)	4 (9.3%)	0
	Lamwo	2	46	46 (100%)	0	0
	Lamwo	3	45	42 (93.3%)	2 (4.4%)	1 (2.2%)
	Mubende	1	47	29 (61.7%)	7 (14.9%)	11 (23.4%)
	Mubende	2	46	36 (78.3%)	2 (4.4%)	8 (17.4%)
	Mubende	3	42	33 (78.6%)	3 (7.1%)	6 (14.3%)
	Tororo	1	46	23 (50%)	5 (10.9%)	18 (38.1%)
	Tororo	2	36	23 (63.9%)	4 (11.1%)	9 (25%)
	Tororo	3	46	33 (71.7%)	1 (2.2%)	12 (26.1%)
Pfmdr1 N86Y	Agago	1	44	44 (100%)	0	0
	Agago	2	43	43 (100%)	0	0
	Agago	3	43	43 (100%)	0	0
	Amolatar	1	50	49 (98%)	1 (2%)	0
	Amolatar	2	40	40 (100%)	0	0
	Amolatar	3	41	41 (100%)	0	0

	Arua	1	38	37 (97.4%)	1 (2.6%)	0
	Arua	2	47	47 (100%)	0	0
	Arua	3	41	41 (100%)	0	0
	Jinja	1	47	44 (93.6%)	2(4.4)	1(2.1%)
	Jinja	2	45	44 (97.8%)	1 (2.2%)	0
	Jinja	3	38	38 (100%)	0	0
	Kabale	1	49	48 (98%)	0	1 (2%)
	Kabale	2	50	50 (100%)	0	0
	Kabale	3	18	18 (100%)	0	0
	Kanungu	1	48	46 (95.8%)	2 (4.2%)	0
	Kanungu	2	46	44 (95.6%)	2 (4.4%)	0
	Kanungu	3	46	46 (100%)	0	0
	Kole	1	43	43 (100%)	0	0
	Kole	2	43	43 (100%)	0	0
	Kole	3	37	37 (100%)	0	0
	Lamwo	1	42	42 (100%)	0	0
	Lamwo	2	41	41 (100%)	0	0
	Lamwo	3	44	44 (100%)	0	0
	Mubende	1	48	48 (100%)	0	0
	Mubende	2	45	45 (100%)	0	0
	Mubende	3	41	41 (100%)	0	0
	Tororo	1	45	40 (89.9)	5 (11.1)	0
	Tororo	2	35	35 (100%)	0	0
	Tororo	3	42	42 (100%)	0	0
***Pfmdr1* Y184F**	Agago	1	45	10 (22.2%)	20(44.4%)	15 (33.3%)
	Agago	2	41	17 (41.5%)	15(36.6%)	9 (22%)
	Agago	3	45	12 (26.7%)	21(46.7%)	12 (26.7%)
	Amolatar	1	50	0	1 (%)	49 (98%)
	Amolatar	2	40	15 (37.5%)	9 (22.5%)	16 (40%)
	Amolatar	3	45	15 (33.35)	21(46.7%)	9 (20%)
	Arua	1	38	9 (23.7%)	19 (50%)	10 (26.3%)
	Arua	2	47	14 (29.8%)	18(38.3%)	15 (31.9%)
	Arua	3	41	10 (24.4%)	15(36.6%)	16 (39%)
	Jinja	1	47	11 (23.4%)	16 (34%)	20 (42.6%)
	Jinja	2	46	17 (37%)	19(41.3%)	10 (21.7%)
	Jinja	3	45	14 (31.1%)	19(42.2%)	12 (26.7%)
	Kabale	1	49	22 (44.9%)	19(38.8%)	8 (16.3%)
	Kabale	2	50	16 (32%)	12 (24%)	22 (44%)
	Kabale	3	18	7 (38.9%)	5 (27.8%)	6 (33.3%)
	Kanungu	1	48	21 (43.8%)	18(37.5%)	9 (18.8%)

	Kanungu	2	45	21 (46.7%)	14(31.1%)	10 (22.2%)
	Kanungu	3	47	24 (51%)	10(21.3%)	13 (27.7%)
	Kole	1	43	9 (20.1%)	26(60.5%)	8 (18.6%)
	Kole	2	43	19 (44.2%)	13(30.2%)	11 (25.6%)
	Kole	3	42	13 (31%)	23(54.8%)	6 (14.3%)
	Lamwo	1	42	8 (19.1%)	9 (21.4%)	25 (59.5%)
	Lamwo	2	40	9 (22.5%)	17(42.5%)	14 (35%)
	Lamwo	3	47	17 (36.2%)	20(42.6%)	10 (21.3%)
	Mubende	1	48	25 (52.1%)	17(35.4%)	6 (12.5%)
	Mubende	2	44	30 (68.2%)	6 (13.6%)	8 (18.2%)
	Mubende	3	45	17 (37.8%)	24(53.3%)	4 (8.9%)
	Tororo	1	46	19 (41.3%)	8 (17.4%)	19 (41.3%)
	Tororo	2	37	15 (40.5%)	5 (13.5%)	17 (45.9%)
	Tororo	3	46	26 (56.5%)	9 (19.6%)	11 (23.9%)
Pfmdr1 Y1246D	Agago	1	40	37 (92.5%)	2(5%)	1 (2.5%)
	Agago	2	42	39 (92.9%)	0	3 (7.1%)
	Agago	3	42	42 (100%)	0	0
	Amolatar	1	50	50 (100%)	0	0
	Amolatar	2	40	37 (92.5%)	0	3 (7.5%)
	Amolatar	3	40	40 (100%)	0	0
	Arua	1	35	35 (100%)	0	0
	Arua	2	48	48 (100%)	0	0
	Arua	3	41	40 (97.6%)	1 (2.4%)	0
	Jinja	1	41	35 (85.4%)	4 (9.8%)	2 (4.8%)
	Jinja	2	48	46 (95.8%)	0	2 (4.2%)
	Jinja	3	40	39 (97.5%)	1 (2.5%)	0
	Kabale	1	49	45(91.8%)	1 (2%)	3 (6)
	Kabale	2	49	49 (100%)	0	0
	Kabale	3	17	16 (94.1%)	0	1 (5.9%)
	Kanungu	1	46	41 (89.1%)	4 (8.7%)	1 (2.2%)
	Kanungu	2	45	41 (91.1%)	1 (2.2%)	3 (6.7%)
	Kanungu	3	43	38 (88.4%)	4 (9.3%)	1 (2.3%)
	Kole	1	42	41 (97.6%)	0	1 (2.4%)
	Kole	2	41	40 (97.7)	0	1 (2.4%)
	Kole	3	40	40 (100%)	0	0
	Lamwo	1	37	37 (100%)	0	0
	Lamwo	2	46	46 (100%)	0	0
	Lamwo	3	39	38 (97.4%)	1 (2.6%)	0
	Mubende	1	47	41 (87.2%)	1 (2.1%)	5 (10.6%)
	Mubende	2	46	43 (93.5%)	1 (2.2%)	2 (4.4%)

	Mubende	3	39	33 (84.6%)	2 (5.1%)	4 (10.3%)
	Tororo	1	47	39 (83.9%)	4 (8.5%)	4 (8.5%)
	Tororo	2	35	31 (88.6%)	1 (2.9%)	3 (8.6%)
	Tororo	3	47	41 (87.2%)	2 (4.3%)	4 (8.5%)

N, number of samples.

Supplementary Table 5. Prevalence of wild type, mixed, and mutant sequences of antifolate alleles at indicated sites and survey periods

Locus	Site	Survey	N	Wild type	Mixed	Mutant
Pfdhfr N51I	Agago	1	42	0	0	42 (100%)
	Agago	2	44	2 (4.6%)	0	42 (95.5%)
	Agago	3	42	0	0	42 (100%)
	Amolatar	1	50	0	0	50 (100%)
	Amolatar	2	42	4 (9.5%)	0	38 (90.5%)
	Amolatar	3	39	0	0	39 (100%)
	Arua	1	33	0	0	33 (100%)
	Arua	2	41	0	1 (2.4%)	40 (97.6%)
	Arua	3	44	0	0	44 (100%)
	Jinja	1	46	0	0	46 (100%)
	Jinja	2	40	0	0	40 (100%)
	Jinja	3	44	0	0	44 (100%)
	Kabale	1	42	0	0	42 (100%)
	Kabale	2	48	0	2 (4.2%)	46 (95.8%)
	Kabale	3	18	0	0	18 (100%)
	Kanungu	1	44	0	0	44 (100%)
	Kanungu	2	43	1 (2.35%)	0	42 (97.7%)
	Kanungu	3	47	0	0	47 (100%)
	Kole	1	37	0	0	37 (100%)
	Kole	2	27	0	0	27 (100%)
	Kole	3	42	0	0	42 (100%)
	Lamwo	1	35	1	0	34 (97.1%)
	Lamwo	2	41	0	0	41 (100%)
	Lamwo	3	46	0	1 (2.2%)	45 (97.8%)
	Mubende	1	47	0	0	47 (100%)
	Mubende	2	44	0	0	44 (100%)
	Mubende	3	44	0	0	44 (100%)
	Tororo	1	47	0	0	47 (100%)

	Tororo	2	34	0	1 (2.9%)	33 (97.1%)
	Tororo	3	45	0	0	45 (100%)
Pfdhfr C59R	Agago	1	42	4 (9.5%)	5 (11.9%)	33 (78.6%)
	Agago	2	44	4 (9.1%)	7 (15.9%)	33 (75%)
	Agago	3	42	4 (9.5%)	7 (16.7%)	31 (73.8%)
	Amolatar	1	50	0	0	50 (100%)
	Amolatar	2	45	1 (2.2%)	1 (2.2%)	43 (95.6%)
	Amolatar	3	39	2 (5.1%)	5 (12.8%)	32 (82.1%)
	Arua	1	33	11 (33.3%)	3 (9.1%)	19 (57.6%)
	Arua	2	41	4 (9.8%)	12 (29.3%)	25 (60.1%)
	Arua	3	44	7 (15.9%)	18 (40.9%)	19 (43.2%)
	Jinja	1	46	0	1 (2.2%)	45 (97.8%)
	Jinja	2	40	0	0	40 (100%)
	Jinja	3	43	0	3 (7%)	40 (93%)
	Kabale	1	47	3 (6.4%)	1 (2.1%)	43 (91.5%)
	Kabale	2	48	2 (4.2%)	5 (10.4%)	41 (85.4%)
	Kabale	3	18	2 (11.1%)	1 (5.6%)	15 (83.3%)
	Kanungu	1	46	3 (6.5%)	0	43 (93.5%)
	Kanungu	2	43	2 (4.6%)	3 (7%)	38 (88.4%)
	Kanungu	3	46	1 (2.2%)	2 (4.4%)	43 (93.5%)
	Kole	1	37	3 (8.1%)	7 (18.9%)	27 (73%)
	Kole	2	27	0	0	27 (100%)
	Kole	3	42	2 (4.8%)	3 (7.1%)	37 (88.15)
	Lamwo	1	35	5 (14.3%)	5 (14.3%)	25 (71.4%)
	Lamwo	2	40	3 (7.5%)	10 (25%)	27 (67.5%)
	Lamwo	3	46	4 (8.7%)	13 (28.3%)	29 (63%)
	Mubende	1	47	2 (4.3%)	1 (2.1%)	44 (93.6%)
	Mubende	2	42	2 (4.8%)	4 (9.5%)	36 (85.7%)
	Mubende	3	44	0	1 (2.3%)	43 (97.7%)
	Tororo	1	47	3 (6.4%)	0	44 (93.6%)
	Tororo	2	34	0	3 (8.8%)	31 (91.2%)
	Tororo	3	45	2 (4.4%)	2 (4.4%)	41(91.1%)
Pfdhfr S108N	Agago	1	42	0	0	42 (100%)
	Agago	2	44	0	1 (2.3%)	43 (97.7%)
	Agago	3	42	0	0	42 (100%)
	Amolatar	1	50	0	0	50 (100%)
	Amolatar	2	45	1 (2.2%)	0	44 (97.8%)
	Amolatar	3	39	0	0	39 (100%)

	Arua	1	33	0	0	33 (100%)
	Arua	2	41	0	1 (2.4%)	40 (97.6%)
	Arua	3	44	0	0	44 (1005)
	Jinja	1	45	0	0	45 (100%)
	Jinja	2	42	0	0	42 (100%)
	Jinja	3	41	0	0	41 (100%)
	Kabale	1	47	0	0	47 (100%)
	Kabale	2	49	0	0	49 (100%)
	Kabale	3	18	0	0	18 (100%)
	Kanungu	1	47	0	0	47 (100%)
	Kanungu	2	42	0	0	42 (100%)
	Kanungu	3	45	0	0	45 (100%)
	Kole	1	37	0	0	37 (100%)
	Kole	2	27	0	0	27 (100%)
	Kole	3	43	0	0	43 (100%)
	Lamwo	1	35	0	0	35 (100%)
	Lamwo	2	43	0	0	43 (100%)
	Lamwo	3	46	0	1 (2.2%)	45 (97.8%)
	Mubende	1	46	0	0	46 (100%)
	Mubende	2	44	0	0	44 (100%)
	Mubende	3	44	0	0	44 (100%)
	Tororo	1	47	0	0	47 (100%)
	Tororo	2	34	0	0	34 (100%)
	Tororo	3	45	0	0	45 (100%)
Pfdhfr I164L	Agago	1	41	40 (97.6%)	1 (2.4%)	0
	Agago	2	44	44 (100%)	0	0
	Agago	3	42	42 (100%)	0	0
	Amolatar	1	50	50 (100%)	0	0
	Amolatar	2	45	44 (97.8%)	1 (2.2%)	0
	Amolatar	3	39	39 (100%)	0	0
	Arua	1	33	33 (100%)	0	0
	Arua	2	41	41 (100%)	0	0
	Arua	3	44	44 (100%)	0	0
	Jinja	1	44	44 (100%)	0	0
	Jinja	2	42	40 (95.2%)	1 (2.4%)	1 (2.4%)
	Jinja	3	42	36 (85.7%)	2 (4.8%)	4 (9.5%)
	Kabale	1	43	43 (100%)	0	0
	Kabale	2	49	48 (98%)	0	1 (2%)

	Kabale	3	18	18 (100%)	0	0
	Kanungu	1	45	38 (84.4%)	1 (2.2%)	6 (13.3%)
	Kanungu	2	42	38 (90.5%)	1 (2.4%)	3 (7.15)
	Kanungu	3	45	40 (88.9%)	1 (2.2%)	4 (8.9%)
	Kole	1	37	36 (97.3%)	0	1 (2.7%)
	Kole	2	27	26 (96.3%)	0	1 (3.7%)
	Kole	3	43	42 (97.7%)	0	1 (2.3%)
	Lamwo	1	34	34 (100%)	0	0
	Lamwo	2	43	43 (100%)	0	0
	Lamwo	3	46	44 (95.7%)	2 (4.4%)	0
	Mubende	1	44	30 (68.2%)	8 (18.2%)	6 (13.6%)
	Mubende	2	44	38 (86.4%)	4 (9.1%)	2 (4.6%)
	Mubende	3	44	39 (88.9%)	0	5 (11.4%)
	Tororo	1	47	47 (100%)	0	0
	Tororo	2	34	34 (100%)	0	0
	Tororo	3	45	44 (97.8%)	0	1 (2.2%)
Pfdhps A437G	Agago	1	42	4 (9.5%)	5 (11.9%)	33 (78.6%)
	Agago	2	43	2 (4.7%)	4 (9.3%)	37 (86.1%)
	Agago	3	43	3 (7%)	2 (4.7%)	38 (88.4%)
	Amolatar	1	50	0	0	50 (100%)
	Amolatar	2	44	0	0	44 (100%)
	Amolatar	3	39	7 (17.9%)	0	32 (82.1%)
	Arua	1	31	0	1 (3.2%)	30 (96.8%)
	Arua	2	39	0	3 (7.7%)	36 (92.3%)
	Arua	3	44	3 (6.8%)	1 (2.3%)	40 (90.9%)
	Jinja	1	45	0	0	45 (100%)
	Jinja	2	42	0	0	42 (100%)
	Jinja	3	42	0	0	42 (100%)
	Kabale	1	45	0	1 (2.2%)	44 (97.8%)
	Kabale	2	48	0	0	48 (100%)
	Kabale	3	18	0	0	18 (100%)
	Kanungu	1	45	0	0	45 (100%)
	Kanungu	2	42	1 (2.4%)	0	41 (97.6%)
	Kanungu	3	46	0	0	46 (100%)
	Kole	1	35	0	2 (5.7%)	33 (94.3%)
	Kole	2	27	1 (3.7%)	1 (3.7%)	25 (92.6%)
	Kole	3	43	0	0	43 (100%)
	Lamwo	1	34	6 (17.7%)	1 (2.9%)	27 (79.4%)

	Lamwo	2	39	0	2 (5.1%)	37 (94.9%)
	Lamwo	3	46	3 (6.5%)	1 (2.2%)	42 (91.3%)
	Mubende	1	42	0	2 (4.76%)	40 (95.2%)
	Mubende	2	44	1 (2.3%)	3 (6.8%)	40 (90.9%)
	Mubende	3	43	0	0	43 (100%)
	Tororo	1	46	0	0	46 (100%)
	Tororo	2	32	0	0	32 (100%)
	Tororo	3	43	0	1 2.3%	42 (97.7%)
Pfdhps K540E	Agago	1	42	2 (4.8%)	6 (14.3%)	34 (81%)
	Agago	2	43	2 (4.7%)	3 (7%)	38 (88.4%)
	Agago	3	43	3 (7%)	1 (2.3%)	39 (90.7%)
	Amolatar	1	50	0	0	50 (100%)
	Amolatar	2	44	4 (9%)	0	40 (91%)
	Amolatar	3	39	2 (5.1%)	4 (10.2%)	33 (84.6%)
	Arua	1	33	0	0	33 (100%)
	Arua	2	40	1 (2.5%)	3 (7.5%)	36 (90%)
	Arua	3	44	2 (4.6%)	2 (4.6%)	40 (90.9%)
	Jinja	1	46	0	0	46 (100%)
	Jinja	2	42	0	0	42 (100%)
	Jinja	3	42	0	0	42 (100%)
	Kabale	1	47	0	0	47 (100%)
	Kabale	2	48	0	0	48 (100%)
	Kabale	3	18	0	0	18 (100%)
	Kanungu	1	45	1 (2.2%)	0	44 (97.8%)
	Kanungu	2	42	1 (2.4%)	0	41 (97.6%)
	Kanungu	3	46	0	0	46 (100%)
	Kole	1	36	0	0	36 (100%)
	Kole	2	26	0	0	26 (100%)
	Kole	3	43	0	0	43 (100%)
	Lamwo	1	35	3 (8.6%)	1 (2.9%)	31 (88.6%)
	Lamwo	2	40	0	1 (2.5%)	39 (97.5%)
	Lamwo	3	45	2 (4.4%)	2 (4.4%)	41 (91.1%)
	Mubende	1	42	0	0	42 (100%)
	Mubende	2	43	0	0	43 (100%)
	Mubende	3	42	0	0	42 (100%)
	Tororo	1	47	0	0	47 (100%)
	Tororo	2	34	0	0	34 (100%)
	Tororo	3	43	0	1 (2.3%)	42 (97.7%)

Pfdhps A581G	Agago	1	42	39 (92.8%)	2 (4.8%)	1 (2.4%)
	Agago	2	43	43 (100%)	0	0
	Agago	3	45	45 (100%)	0	0
	Amolatar	1	50	50 (100%)	0	0
	Amolatar	2	44	37 (84.1%)	4 (9.1%)	3 (6.8%)
	Amolatar	3	39	39 (1005)	0	0
	Arua	1	33	32 (97%)	1 (3%)	0
	Arua	2	40	35 (87.5%)	4 (10%)	1 (2.5%)
	Arua	3	44	44 (100%)	0	0
	Jinja	1	46	45 (97.8%)	1 (2.2%)	0
	Jinja	2	42	39 (92.8%)	2 (4.8%)	1 (2.4%)
	Jinja	3	43	42 (97.7%)	0	1 (2.3%)
	Kabale	1	47	14 (29.8%)	3 (6.4%)	30 (63.8%)
	Kabale	2	48	19 (39.6%)	7 (14.6%)	22 (45.8%)
	Kabale	3	18	10 (55.5%)	0	8 (44.4%)
	Kanungu	1	45	18 (40%)	7 (15.6%)	20 (44.4%)
	Kanungu	2	41	28 (68.3%)	3 (7.3%)	10 (24.4%)
	Kanungu	3	46	29 (63%)	8 (17.4%)	9 (19.6%)
	Kole	1	36	36 (100%)	0	0
	Kole	2	27	27 (100%)	0	0
	Kole	3	42	42 (100%)	0	0
	Lamwo	1	35	35 (100%)	0	0
	Lamwo	2	41	38 (92.7%)	1 (2.4%)	2 (4.9%)
	Lamwo	3	46	46 (100%)	0	0
	Mubende	1	42	27 (64.3%)	4 (9.5%)	11 (26.25)
	Mubende	2	44	25 (56.8%)	12 (27.3%)	7 (15.9%)
	Mubende	3	44	29 (65.9%)	9 (20.5%)	6 (13.6%)
	Tororo	1	46	46 (100%)	0	0
	Tororo	2	34	34 (100%)	0	0
	Tororo	3	42	42 (100%)	0	0
Pfdhps A613S	Agago	1	42	42 (100%)	0	0
	Agago	2	43	43 (100%)	0	0
	Agago	3	43	43 (100%)	0	0
	Amolatar	1	48	48 (100%)	0	0
	Amolatar	2	44	44 (100%)	0	0
	Amolatar	3	39	39 (100%)	0	0
	Arua	1	33	33 (100%)	0	0
	Arua	2	41	41 (100%)	0	0

	Arua	3	44	44 (100%)	0	0
	Jinja	1	43	43 (100%)	0	0
	Jinja	2	42	42 (100%)	0	0
	Jinja	3	43	43 (100%)	0	0
	Kabale	1	47	47 (100%)	0	0
	Kabale	2	48	48 (100%)	0	0
	Kabale	3	18	18 (100%)	0	0
	Kanungu	1	45	45 (100%)	0	0
	Kanungu	2	42	41 (100%)	0	0
	Kanungu	3	46	46 (100%)	0	0
	Kole	1	35	35 (100%)	0	0
	Kole	2	27	27 (100%)	0	0
	Kole	3	43	43 (100%)	0	0
	Lamwo	1	35	35 (100%)	0	0
	Lamwo	2	41	41 (100%)	0	0
	Lamwo	3	45	45 (100%)	0	0
	Mubende	1	41	41 (100%)	0	0
	Mubende	2	44	44 (100%)	0	0
	Mubende	3	42	42 (100%)	0	0
	Tororo	1	46	46 (100%)	0	0
	Tororo	2	34	34 (100%)	0	0
	Tororo	3	43	43 (100%)	0	0

N, number of samples.