Additional file 1: Summary of host-seeking blackflies caught, by locality, season, trapping technique and species

Region	Village	Season	Humidity (Mean (Range))	Temp (Mean (Range))	Trapping Method	Hours	Total	Total S. damnosum s.l.	S. damnosum s.s. /S. sirbanum	S. soubrense Beffa form	S. squamosum ^{a,b}	S. yahense	S. sanctipauli	Non- damnosum	Unidentified
Brong- Ahafo	Asubende	Dry	35.7%	32.6 °C (21.8-37.0)	V/C		382	382	382	-	-	-	-	0	-
		February			Human-Tent	59hrs	70	35	35	-	-	-	-	35	-
		2011					112	42	42	-	-	-	-	70	-
	Agborlekame	Dry	, 46.9% (32-66)	(28.8-40.2)	V/C	22hrs	51	51	51	-	-	-	-	-	-
		February			Human-Tent		2	2	2	-	-	-	-	-	-
		2010				14hrs	0	0	0	-	-	-	-	-	=
Volta	Asukawkaw Ferry	Wet	80.9% (44-99)	27.3°C (24.0-34.9)	V/C	-	-	-	-	-	-	-	-	-	-
		August			Human -Tent		250	250	0	230	20	-	-	-	-
		2009			Cow-Tent		36	36	0	32	4	-	-	-	-
		Dry March 2010	66.4% (45-99)	30.4°C (23.9-36.1)	V/C	45hrs		777	227	37	407	-	-	-	44M 62D
					Human -Tent		139	139	16	18	105	-	-	-	-
					Cow-Tent		125	125	5	26	94	-	-	-	-
		Dry	, 57.3% (34-99)	30.7°C (23.1-36.0)	V/C	44hrs		714	175	28	412	-	-		28M 71D
		February			Human -Tent		108	100	16	3	74	-	-		7D
		2011			Cow-Tent	43hrs	58	48	10	4	32	-	-	10	2D
	Dodi Papase	Wet	93.1%	25.3°C (22.7-27.7)	V/C	-	-	-	-	-	-	-	-	-	-
		August	(78-99)		Human -Tent		76	76	1	0	75	-	-	-	-
		2009	(1000)		Cow-Tent		47	47	1	1	45	-	-	-	-
		Dry	59.2% (43-99)	32.0°C	V/C	-	310	310	18	11	280	-	-	-	1M
		March			Human-Tent		41	41	0	2	39	-	-		15
		2010	(10 00)	(=====		40hrs	14	14	0	0	13	-	-		1D
		Dry	ry ^{56.7%} (35-99)	30.3°C (22.3-36.3)	V/C		405	405	34	2	357	-	-	0	12D
		February			Human -Tent		105	100	5	1	84	-	-	5	10M
		2011			Cow-Tent	31hrs	36	35	4	0	30		-	1	-
	Pillar 83 /Djodji	Wet	75.7%	(23.9-38.2)	V/C	4.41	-	-	-	-	-	-	-	-	- 4D
		July 2009	(41-98)		Human -Tent		2	2	-	-	1	-	-	-	1D
					Cow-Tent		12	12	-	=	10	-	=	-	2D
		Dry	67.0% (37-99)	29.6°C (23.9-39.9)	V/C		943	943	26	-	549	-	-		9M, 359NA
		March			Human -Tent		66	65	0	0	62	-	-		3D
		2010			Cow-Tent V/C		77	77 1171	0	2	75 910	2	-		1D 3M 242NA
		Dry	50.8%	32.6°C	Human -Tent		1171 374	345	12	_	325	-	-	0	3IVI 242INA -
		February 2011	(12-97)		Cow-Tent			159	20	0			-	29	
-		-	•		V/C		200 688	688	18	-	136	-	688	41	5D
		Wet August	78.0%	27.1°C	Human -Tent		199	199	-	-	1	-	198	-	-
Western Bosomase ^d		2009	(49-99)		Cow-Tent	45hrs		217	-	-	•		211	-	6D
		Dry February 2010	, 67.7% (39-85)	32.5°C	V/C	44hrs		159	-	-	-	49	105		5D
							134		-	-	-			-	าD
					Human -Tent Cow-Tent		83	134 83	-	-	-	83 61	50 21	-	1D
		Wet			V/C	44hrs		542	35	_	63	0	439	0	5D
Achanti Gyankahase August 69.19			69.1%	20.0 C	Human -Tent		641	631	4	-	1	13	572		41D
2009		August	(50-89)		Cow-Tent			548		-	0	5			74D
Totals		2003			V/C	42hrs 464hrs		6142	13 960	80	2978	5 51	456 1232		841
าบเลเร					Human-Tent			2119	99	254	787	96	820	88	63
					Cow-Tent	592hrs		1443	93	64	439	90 67	688	124	92
					Cow-Tell	JUZIIIS	1307	1440	33	04	433	U/	000	124	34

^aAll *S. squamosum* from the Volta region were type C.

^bAll *S. squamosum* from Gyankobaa were type E. The single *S. squamosum* found in Bosomase was not identified to cytoform.

^cThe unidentified *S. damnosum* s.l. flies were so classified either because they were too desiccated for successful morphological identification (D) or the molecular results could not successfully identify a specific species (M). In addition, a subsection of V/C caught flies from two samples were not identified to species as they were donated to another study (NA).

^dIn Bosomase in 2011, due to low fly intensities only two V/C S. sanctipauli flies were caught over one day, no further sampling was performed.

^eIn Gyankobaa in the dry season in 2010 due to low fly intensities, no V/C or Human-Tent caught flies were caught and only two *S. damnosum* s.s. /S. sirbanum were caught in the Cow-Tent over 7 hours, no further sampling was performed.