

Additional File 1

Table S1. Snail collection and schistosome infection data. N = North, C = Cent

Survey Date	Region
June 2016	Boukani
	Tchologo
	Hambol
	Gbêké
	Béliér

November/December 2016

Tchologo

Boukani

Bélier

Gbéké

Hambol

Tchologo

Boukani

March 2017

Bélier

Gbêké

Hambol

tral. Snail identification is based on shell morphology except for tl

Village (location)	Village GPS coordinates
Vonkorô (N)	09°10'22.43"N/02°44'37.29"W
Djémitédouo (N)	09°16'58.31"N/02°57'41.99"W
Bouko (N)	09°28'43.12"N/03°10'19.74"W
Gogo (N)	09°46'22.95"N/03°31'18.20"W
Tougbo (N)	09°45'49.57"N/04°08'27.27"W
Korokara (N)	09°54'03.55"N/05°37'38.23"W
Mambiadougou (N)	10°07'04.77"N/05°07'24.9"W
Noumousso (N)	10°06'43.15"N/05°08'24.05"W
Torla (N)	09°59'41.87"N/05°10'48.25"W
Sambakaha (N)	09°24'38.31"N/05°06'22.34"W
Dékokaha (N)	09°39'04.36"N/05°10'48.41"W
Foro-Foro (C)	07°59'44.6"N/05°04'14.99"W
Allokokro (C)	07°43'52.18"N/05°04'52.73"W
Allomabo (C)	07°46'24.84"N/04°53'26.22"W
Assékro (C)	07°40'11.24"N/05°24'14.90"W
Fitabro (C)	07°47'25.67"N/05°29'36.89"W
Kongobo (C)	07°46'04.98"N/05°29'07.55"W
Linguebo (C)	07°29'53.15"N/05°39'33.64W
N'Zuéda (C)	07°41'17.00"N/05°34'37.05"W
Raviart (C)	07°24'13.92"N/04°53'17.78"W
Sakri-Konansuikro (C)	07°27'12.20"N/04°58'52.16"W

Taki-Salékro (C)	07°11'51.81"N/05°17'12.71"W
Vonkorô (N)	09°10'22.43"N/02°44'37.29"W
Djémitédouo (N)	09°16'58.31"N/02°57'41.99"W
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Sakri-Konansuikro (C)	07°27'12.20"N/04°58'52.16"W
Taki-Salékro (C)	07°11'51.81"N/05°17'12.71"W

1e positive snails.

Type of water body (no.)	No. contact sites surveyed	No. collected
River (1)	2	0
Rivulet (1)	2	0
Pond (4)	4	0
Irrigation canal (1)	1	0
Lake (1)	3	1
Lake (1)	3	0
Pond (6)	6	0
Lake (1)	3	0
Lake (1)	2	0
Lake (4)	15	0
Lake (1)	3	4
Lake (1)	4	37
Lake (1)	4	13
Lake (1)	4	0
Irrigation canal (1)	2	1
Lake (1)	8	197
Irrigation canal (main and secondary) (2)	2	134
Pond (1)	1	0
Lake (2)	2	1
Rivulet (1)	1	0
Lake (1)	2	0
Pond (1)	1	0
Rivulet (1)	2	0
Pond (2)	2	0
Pond (27)	27	0
Lake (1)	4	246
Lake (1)	3	0
Rivulet (1)	1	0
Lake (1)	1	0
Rivulet (2)	2	0
Lake (1)	2	0
Rivulet (2)	4	0
Lake (1)	2	0
Rivulet (2)	2	0

Lake (1)	3	0
Rivulet (1)	1	0
Pond (2)	2	0
Irrigation canal	1	0
Lake (1)	3	0
Lake (2)	7	0
Rivulet (1)	2	2
Pond (6)	6	0
Lake (1)	4	0
Lake (1)	2	0
Lake (4)	15	39
Lake (1)	3	0
Lake (1)	4	42
Pond (5)	5	0
Lake (2)	12	22
Irrigation canal (main) (1)	1	31
Rivulet (1)	1	0
Pond (1)	1	0
Lake (2)	2	0
Rivulet (1)	2	0
Lake (1)	2	0
Pond (3)	3	0
Pond (15)	15	0
Lake (1)	3	0
Rivulet (1)	1	0
Lake (1)	5	0
Irrigation canal	2	0
Rivulet (2)	4	0
Lake (1)	2	0
Rivulet (2)	2	0
Lake (1)	1	0
Rivulet (1)	1	0
Pond (1)	1	0
Rivulet (1)	1	0
Lake (1)	4	346
Lake (2)	4	0
Lake (1)	2	0
Lake (1)	2	0
Lake (4)	11	250
Lake (1)	4	159
Lake (1)	4	72
Lake (2)	6	163
Lake (1)	4	79

Canal (1)	2	2
Lake (2)	6	52
Irrigation canal (main) (1)	2	0
Lake (2)	2	0
Rivulet (1)	2	0
Lake (1)	2	14
Rivulet (1)	Dry	0
Pond (2)	Dry	0
Pond (6)	6	0
Lake (1)	4	16
Rivulet (1)	1	0
Lake (1)	3	0
Rivulet (2)	2	0
Lake (1)	1	0
Lake (1)	5	0
Irrigation canal	2	0
Rivulet (2)	4	0
Lake (1)	2	0
Rivulet (2)	2	0
Lake (1)	3	0

<i>Bulinus truncatus</i>			
No. tested for infection	No. positive	% infection (95% CI)	No. collected
			0
			0
			0
			0
1			0
			0
			0
			0
			0
			0
2			0
35	1	3 (0.07-14)	0
7			0
			0
1			0
177	1	0.6 (0.01-3.1)	0
114			0
			0
1			0
			0
			0
			0
			11
			0
			0
227	2	0.9 (0.1-3.1)	0
			0
			0
			0
			0
			0
			4
			0
			0

			0
			0
			0
			0
			0
			0
1			0
			0
			0
			0
36	2	6 (0.7-19)	0
			0
34	3	9 (2-24)	0
			0
20			0
28			10
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			122
			54
			7
			0
			0
			0
			0
			0
			0
			0
			0
			0
326	3	0.9 (0.2-3.0)	0
			0
			0
			0
233	3	1.2 (0.3-4.0)	0
159			0
69	1	1.4 (0.04-8.0)	0
138			0
79			0

2			0
52	1	2 (0.05-10)	0
			0
			0
			0
14			0
			0
			0
			0
16	1	6.3 (0.2-30)	0
			0
			0
			0
			0
			44
			3
			0
			0
			0
			0

B. globosus

No. tested for infection	No. positive (%)	% infection (95% CI)	No. collected
			0
			0
			0
			0
			0
			0
			0
			0
			0
			22
			8
			89
			66
			0
			7
			4
			0
			0
			3
			0
			29
			0
11			0
			0
			0
			0
			11
			0
			0
			0
			180
4			36
			24
			0

			0
			0
			0
			0
			0
			154
			0
			0
			94
			77
			59
			3
			4
			0
			0
9			0
			52
			0
			4
			5
			2
			54
			0
			0
			0
115	6	5 (2-11)	8
54			0
7	1	14 (0.4-58)	0
			2
			0
			0
			0
			0
			0
			153
			25
			2
			0
			0

			0
			0
			65
			12
			7
			4
			0
			0
			0
			0
			38
			1
			15
			15
44			36
3			19
			0
			4
			31
			0

B. forskalii

No. tested for infection	No. positive (%)	% infection (95% CI)
0		
0		
0		
0		
0		
0		
0		
0		
0		
0		

0		
0		
0		
0		
0		
0		
0		
0		
153		
25		
2		

65		
12		
7		
4		
9		
1		
15		
15		
36		
19		
4		
31		

Summary per time point

No. snails tested for infection	No. positive (%)	% infection (95% CI)
580	4	0.7 (0.2-2.0)

304	12	4 (2.0-7.0)

1533	9	0.6 (0.2-1.1)
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