

Table S4. Mosquito species captured at distinct environments and with different methods in Boa Viagem, Ceará, Brazil, in September 2019.

A: Sum of mosquitoes caught in periurban and rural areas of Boa Viagem, Ceará																					
Mosquito species	Inside houses			Close to houses							Open fields								Grand Total		
	Asp.		Total	Chicken sheds			Horse barns				Total	Human attraction				CDC				Total	
				CDC			Total	Asp.		CDC		Total	Directly with nets		Shannon trap		Total	CDC			Total
	♀	♂		♀	♂			♀	♂	♀			♂		♀	♂		♀			
<i>Ad. squamipennis</i>				1	1	2			1	1	2	4					4		4	8	
<i>Ae. aegypti</i>	7	7	14																0	14	
<i>Ae. fluviatilis</i>													1			1			1	1	
<i>Ae. scapularis</i>													2			2			2	2	
<i>An. albitarsis</i> s.l.	1	1	2														12	7	19	21	
<i>An. oswaldoi</i> s.l.																		1	1	1	
<i>An. triannulatus</i> s.l.				1		1			1		1	2					9	0	9	11	
<i>Anopheles</i> (Nys.) sp.	1		1											1		1	12		12	14	
<i>Cq. nigricans</i>	1		1	1		1						1		1		8		8	9	11	
<i>Cq. veneuelensis</i>	1		1																0	1	
<i>Cx. amazonensis</i>																3		3	3	3	
<i>Cx. chidesteri</i>																5	7	12	12	12	
<i>Cx. coronator</i> Complex									4		4	4	6			6	5		5	15	
<i>Cx. declarator</i>	5		5	1		1			2		2	3	1			1	29	2	31	40	
<i>Cx. nigripalpus</i>				1		1			2	1	3	4	1	1		2	14		14	20	
<i>Cx. quinquefasciatus</i>	72	52	124	2	3	5	1	1	3	9	14	19	4	1		5	7	2	9	157	
<i>Cx. (Cux.) sp.</i>				4		4			1		1	5				19		19	19	24	
<i>Cx. inhibitor</i>															14	14			14	14	
<i>Cx. panacossa</i>									1		1	1	1			1	4	12	16	18	
<i>Cx. ribeirensis</i> (?)																	4		4	4	
<i>Culex</i> (Mel.) sp.	1		1										9		6	15	36	4	40	56	
<i>Culex</i> spp.				2		2			2		2	4	4			4	11	2	13	21	
<i>Ma. indubitans</i>	7		7	3		3			1		1	4	25		1	26	33	1	34	71	
<i>Ma. pseudotitillans</i>	1		1	1		1						1	21			21			21	23	
<i>Ma. titillans</i>	6	4	10	26	39	65	3	1	9	5	18	83	94	1	18	113	27	3	30	236	
<i>Mansonia</i> sp.	7	1	8	13	2	15				5	5	20	9	4		13	6	5	11	52	
<i>Ur. lowii</i>																	1		1	1	
<i>Uranotaenia</i> sp.				1		1			1		1	2							0	2	
Total	110	65	175	57	45	102	4	2	27	22	55	157	178	7	26	15	226	249	46	295	

Asp.: backpack aspirator; CDC: CDC light trap.

B: Mosquitoes captured in the periurban areas corresponding to the probable local of infection of the WNV index case and surroundings at Boa Viagem, Ceará.

Mosquito species	Inside houses		Close to houses								Open fields								Grand Total			
	Asp.	Total	Chicken sheds			Horse barns			Total	Human attraction				CDC			Total					
			CDC	Total	Asp.	CDC	Total	Directly with nets		Shannon Trap	Total	♀	♂	Total								
															♀	♂		♀		♂	♀	♂
<i>Ad. squamipennis</i>			1	1	2			1	1	2	4					1		1	1	5		
<i>Ae. aegypti</i>	7	7	14															0	14			
<i>Ae. fluviatilis</i>											1			1				1	1			
<i>Ae. scapularis</i>											2			2				2	2			
<i>An. oswaldoi</i> s.l.																1		1	1			
<i>An. triannulatus</i> s.l.				1		1			1	1	2				2	0	2	2	4			
<i>Anopheles</i> (Nys.) sp.	1		1										1		1			1	2			
<i>Cq. nigricans</i>				1		1					1		1	1				1	2			
<i>Cx. amazonensis</i>															3		3	3	3			
<i>Cx. chidesteri</i>															5	7	12	12	12			
<i>Cx. coronator</i> Complex								4		4	4	6		6	5		5	11	15			
<i>Cx. declarator</i>	3		3	1		1		2		2	3	1		1	28	2	30	31	37			
<i>Cx. nigripalpus</i>				1		1		2	1	3	4	1	1	2	13		13	15	19			
<i>Cx. quinquefasciatus</i>	70	52	122	2	3	5	1	1	3	9	14	19	4	1	5	4	1	5	10	151		
<i>Cx. (Cux.)</i> sp.				4		4			1		1	5			19		19	19	24			
<i>Cx. inhibitor</i>														14	14			14	14			
<i>Cx. panacossa</i>									1	1	1	1		1	4	12	16	17	18			
<i>Cx. ribeirensis</i> (?)															4		4	4	4			
<i>Cx. (Mel.)</i> sp.	1		1									9	6	15	36	4	40	55	56			
<i>Culex</i> spp.				2		2		2		2	4	4		4	9	2	11	15	19			
<i>Ma. indubitans</i>				3		3		1		1	4	25	1	26	1		1	27	31			
<i>Ma. pseudotitillans</i>	1		1	1		1					1	21		21				21	23			
<i>Ma. titillans</i>	2	1	3	26	39	65	3	1	9	5	18	83	94	1	18	113	21	3	24	137	223	
<i>Mansonia</i> sp.		1	1	13	2	15			5	5	20	9	4	13	2	1	3	16	37			
<i>Uranotaenia</i> sp.				1		1		1		1	2							0	2			
	85	61	146	57	45	102	4	2	27	22	55	157	178	7	26	15	226	157	33	189	416	719

Asp.: backpack aspirator; CDC: CDC light trap.

C: Mosquitoes captured in the rural area, namely Farm1, located around 5km from the probable local of infection of the WNV index case in Boa Viagem, Ceará.

Mosquito species	Inside houses			Open fields			Grand total
	Asp.		Total	CDC		Total	
	♀	♂		♀	♂		
<i>Ad. squamipennis</i>				3		3	3
<i>Anopheles</i> (Nys.) sp.				12		12	12
<i>An. albitarsis</i> s.l.	1	1	2	12	7	19	21
<i>An. triannulatus</i> s.l.				7		7	7
<i>Cq. nigricans</i>	1		1	8		8	9

<i>Cq. veneuelensis</i>	1		1			1
<i>Cx. nigripalpus</i>				1	1	1
<i>Cx. quinquefasciatus</i>	2		2	3	1	4
<i>Cx. declarator</i> Complex	2		2	1		1
<i>Cx. spp.</i>				2		2
<i>Ma. indubitans</i>	7		7	32	1	33
<i>Ma. titillans</i>	4	3	7	6		6
<i>Mansonia sp.</i>	7		7	4	4	8
<i>Ur. lowii</i>				1		1
TOTAL	25	4	29	92	13	105

Asp.: backpack aspirator; CDC: CDC light trap.