

Segmental muscle twitching behaviour in the flanks of lancehead vipers *Bothrops* spp in response to human approach

MARCELO RIBEIRO DUARTE, DANUSA CAMANDUCHY MAIA, SILVIA REGINA TRAVAGLIA-CARDOSO

Table 1S. Details of *Bothrops* spp investigated for evidence of 'Segmental Muscle Twitching Behaviour' (SMTB)

Species	Gender/life stage	Origin	Co-ordinates	Altitude	Field no.	Period of observation	Date of collection
SNAKES OF LINEAGES SHOWING SMTB							
Newly arrived from the wild group							
<i>B. brazili</i>	Adult ♂	Serra do Divisor, state of Acre - Amazon biome	8° 22'35'' S, 73° 10'55'' W	258 m	SB/LCZ 1455	3 days	December 2019
<i>B. brazili</i>	Adult ♂	Guará, state of Amazonas - Amazon biome	7° 32'42'' S, 72° 34'48'' W	140 m	SB/LCZ 1523	13 days	January 2020
<i>B. jararacussu</i>	Adult ♀	Monteiro Lobato, state of São Paulo - Atlantic Forest biome	22° 57'09''S, 45°50'14'' W	685 m	-	2 days	November 2016
<i>B. moojeni</i>	Adult ♀	Palestina, state of São Paulo - Cerrado biome	20° 23'16''S, 49° 26'13''	550 m	-	2 days	June 2005
Captive wild caught group							
<i>B. atrox</i>	Adult ♀	São Gabriel da Cachoeira, state of Amazonas - Amazon biome	0° 06'53'' S, 67° 05'03'' W	93 m	-	Ca. 5 years	June 2005
<i>B. atrox</i>	Adult ♂	Monte Alegre, state of Pará - Amazon biome	2° 00'02''90 S, 54° 04'23''79 W	59 m	-	2 years 7 months	December 2018
<i>B. moojeni</i>	Adult ♀	Araraquara, state of São Paulo - Cerrado biome	21° 46'57'' S, 48° 10'33'' W	646 m	-	2 years	September 2021
<i>B. moojeni</i>	Juvenile ♀	Araraquara, state of São Paulo - Cerrado biome	21° 46'57'' S, 48° 10'33'' W	646 m	-	2 months	February 2012
<i>B. jararacussu</i>	Adult ♀	Santos, state of São Paulo - Atlantic Forest biome	23° 55'21''65 S, 46° 21'29''59 W	2 m	-	6 years	2015
Captive born group							
Species	Gender/life stage	Parental origin	Date of birth	Altitude	Accession number	Length of captivity at time of video	Date of collection
<i>B. atrox</i>	Adult ♀	State of Amazonas, Brazil	2 Mar 2010	-	MB 5511	11 year 4 months	-
<i>B. moojeni</i>	Adult ♂	Araraquara, state of São Paulo, Brazil (mother)	January 2016	-	MB6167	4 years 7 months	-
<i>B. leucurus</i>	Adult ♀	Porto Seguro, state of Bahia, Brazil (mother)	2010	-	MB5359	~8 years	-
SNAKES OF LINEAGES NOT SHOWING SMTB							
Newly arrived from the wild group							
Species	Gender/life	Parental origin	Date of birth	Altitude	Accession	Length of	Date of

	stage				number	captivity at time of video	collection
<i>B. alternatus</i>	Adult ♂	Varginha, state of Minas Gerais - Atlantic Forest biome	21°33'55" S, 45° 26'06" W	910 m	-	-	June 2017
<i>B. sazimai</i>	Adult ♂	Franceses Island, state of Espírito Santo - Atlantic Forest biome	20° 55'36" S, 40° 45'15" W	4 m	-	-	December 2017
Captive wild caught group							
<i>B. alternatus</i>	Adult ♂	Araraquara, state of São Paulo - Cerrado biome	21° 46'57" S, 48° 10'33" W	646 m	MB 6046	6 years 10 months	February 2022
<i>B. bilineatus</i>	Adult ♂	Nova Mutum Paraná, state of Rondônia - Amazon biome	9° 17'41" S, 64° 32'50" W	106 m	MB 5824	7 years 10 months	February 2022
<i>B. erythromelas</i>	Adult ♀	Juazeiro, state of Bahia - Caatinga biome	9° 25'47" S, 40° 30'05" W	370 m	MB 5200	13 years 9 months	February 2022
<i>B. fonsecai</i>	Adult ♀	Campos do Jordão, state of São Paulo - Atlantic Forest biome	22° 44'37" S, 45° 35'29" W	1,646 m	(MB 6426	3 years 4 months	February 2022
<i>B. marmoratus</i>	Adult ♂	Peixe, state of Tocantins - Cerrado biome	12° 13'49" S, 48° 23'35" W	265 m	MB 5023	15 years 4 months	February 2022
<i>B. neuwiedi</i>	Adult ♂	Itapeva, state of Minas Gerais - Cerrado biome	22° 46'08" S, 46° 13'20" W	923 m	MB 6287	4 years 8 months	February 2022
<i>B. sazimai</i>	Adult ♂	Franceses Island, state of Espírito Santo - Atlantic Forest biome	20° 55'36" S, 40° 45'15" W	30 m	MB 6414	3 years 6 months	February 2022
Captive born group							
<i>B. erythromelas</i>	Adult ♂	Juazeiro, state of Bahia Caatinga biome (mother)	14 Nov 2017	-	MB 6353	4 years 3 months	February 2022
<i>B. insularis</i>	Adult ♀	Queimada Grande Island, state of São Paulo - Atlantic Forest biome (mother)	22 February 2015	-	MB 6015	7 years	February 2022
<i>B. jararaca</i>	Adult ♂	Munhoz, state of Minas Gerais Atlantic Forest biome (mother)	29 March 2009	-	MB 5717	12 years 10 months	February 2022
<i>B. pauloensis</i>	Adult ♀	Araraquara, state of São Paulo, Cerrado biome	27 December 2019	-	MB 6647	2 years 1 month	February 2022