APPENDIX I

Supporting Information

Table S1. Specific functions, ecosystem supporting services and references related to the amphibian ecological traits assessed in the Brazilian Atlantic Forest.

Table S2. GenBank accession numbers for 207 amphibian species sampled in the Brazilian Atlantic Forest.

Table S3. List of studied amphibian species and their respective ecological traits sampled in the Brazilian Atlantic Forest.

Fig. S1. — Atlantic Forest remnants (grey spots) and complementary fieldwork areas (black dots) sampled in the Brazilian coastal region. 1. Parque Ecológico Spitzkopf, SC; 2. Parque Estadual Pico do Marumbi, PR; 3. Estação Ecológica de Juréia-Itatins, SP; 4. Parque Estadual da Serra do Mar Núcleo Caraguatatuba, SP; 5. Parque Nacional da Serra dos Órgãos, RJ; 6. Reserva Biológica Augusto Ruschi, ES; 7. Reserva Biológica de Una, BA.

Table S1.

Specific functions, ecosystem supporting services and references related to the amphibian ecological traits assessed in the Brazilian Atlantic Forest.

Funtional traits	Specific functions	Ecosystem supporting services	References
Activity	Dispersal ability, predator-prey relationships, sexual selection	Trophic transfer, nutrient cycling	Duellman and Trueb 1994, Wells 2007, Haddad et al. 2013, Hocking and Babbitt 2014
Body size	Hunting tolerance, dispersal ability, predator-prey relationships, sexual selection	Trophic transfer, nutrient cycling, protection of primary productivity by controlling herbivores	Duellman and Trueb 1994, Toledo et al. 2007, Wells 2007, Haddad et al. 2013, Hocking and Babbitt 2014
Calling site	Dispersal ability, predator-prey relationships, sexual selection	Trophic transfer, faunal food chains, nutrient cycling, soil bioturbation, ecosystem engineering,	Duellman and Trueb 1994, Wells 2007, Haddad et al. 2013, Hocking and Babbitt 2014
Toxicity	Hunting tolerance, predator-prey relationships	Trophic transfer, nutrient cycling	Duellman and Trueb 1994, Wells 2007, Haddad et al. 2013, Hocking and Babbitt 2014
Habit	Dispersal ability, predator-prey relationships	Trophic transfer, faunal food chains, soil bioturbation, ecosystem engineering, decomposition (tadpoles), nutrient cycling	Duellman and Trueb 1994, Wells 2007, Haddad et al. 2013, Hocking and Babbitt 2014
Habitat	Dispersal ability, predator-prey relationships	Trophic transfer, faunal food chains, nutrient cycling, soil bioturbation, ecosystem engineering	Duellman and Trueb 1994, Wells 2007, Haddad et al. 2013, Hocking and Babbitt 2014
Developmental mode	Dispersal ability, predator-prey relationships, sexual selection	Trophic transfer, faunal food chains, nutrient cycling, soil bioturbation, decomposition (tadpoles), ecosystem engineering	Duellman and Trueb 1994, Haddad and Prado 2005, Wells 2007, Haddad et al. 2013, Hocking and Babbitt 2014
Members	Dispersal ability, predator-prey relationships	Trophic transfers, nutrient cycling, soil bioturbation, ecosystem engineering	Duellman and Trueb 1994, Wells 2007, Haddad et al. 2013, Hocking and Babbitt 2014

Table S2.

GenBank accession numbers for 207 amphibian species sampled in the Brazilian Atlantic Forest.

Species	12S	16S	Cytb	CXCR4	H3A	NCX1	POMC	RAG1	RHOD	SIA	SLC8A3	TYR
Adelophryne mucronatus	--	JX298291.1	JX298385.1	--	--	--	JX298112.1	JX298158.1	--	--	--	JX298213.1
Adelophryne pachydactyla	JX298259.1	JX298294.1	JX298387.1	--	--	--	JX298115.1	JX298161.1	--	--	--	JX298216.1
Adenomera araucaria	KC470091.1	KC477241.1	KC603969.1	--	--	--	KC604065.1	KC604019.1	KC604099.1	--	--	KC604089.1
Adenomera bokermani	KC470107.1	KC477243.1	KF548072.1	--	--	--	--	--	KF613580.1	--	--	--
Adenomera engelsi	KC603940.1	--	KC603970.1	--	--	--	KC604066.1	KC604020.1	KC604100.1	--	--	KC604090.1
Adenomera thomei	KC603945.1	KC603946.1	KC603971.1	--	--	--	KC604067.1	KC604021.1	KC604101.1	--	--	KC604091.1
Allobates alagoanus	DQ502126.1	--	DQ502557.1	--	DQ502342.1	--	--	--	DQ503232.1	DQ503093.1	--	--
Aparasphenodon brunoi	AY843567.1	--	AY843789.1	--	--	--	--	AY844364.1	AY844541.1	AY844769.1	--	AY844023.1
Aplastodiscus albofrenatus	AY819422.1	AY819539.1	--	--	--	--	--	--	--	--	--	--
Aplastodiscus albosignatus	AY843596.1	--	AY843817.1	--	--	--	--	AY844385.1	AY844570.1	AY844796.1	--	AY844042.1
Aplastodiscus arildae	AY843604.1	--	AY843825.1	--	--	--	--	AY844392.1	AY844578.1	AY844803.1	--	AY844049.1
Aplastodiscus callipygius	AY843614.1	AY843614.1	AY843840.1	--	--	--	--	AY844402.1	AY844592.1	AY844813.1	--	AY844058.1
Aplastodiscus cavicola	AY843617.1	AY843617.1	AY843843.1	--	--	--	--	AY844405.1	AY844594.1	AY844814.1	--	--

Aplastodiscus cochranae	AY843568.1	AY843568.1	AY843790.1	--	--	--	--	AY844365.1	AY844542.1	AY844770.1	--	AY844024.1
Aplastodiscus ehrhardti	--	--	--	--	--	--	--	AY844456.1	--	--	--	--
Aplastodiscus eugenioi	AY843669.1	AY843669.1	AY843913.1	KF751465.1	--	--	--	AY844456.1	AY844660.1	AY844875.1	--	--
Aplastodiscus leucopygius	AY843638.1	AY843638.1	AY843873.1	KF751466.1	--	--	--	AY844425.1	AY844622.1	AY844840.1	--	AY844084.1
Aplastodiscus perviridis	AY843569.1	AY843569.1	AY843791.1	KF751467.1	DQ284044.1	--	--	AY844366.1	AY844543.1	AY844771.1	--	AY844025.1
Aplastodiscus weygoldti	AY843685.1	AY843685.1	AY843931.1	--	--	--	--	AY844467.1	AY844678.1	AY844887.1	--	--
Bokermanohyla astartea	AY549322.1	AY549322.1	AY843827.1	--	--	--	AY819113.1	--	AY844580.1	--	--	--
Bokermanohyla circumdata	AY549328.1	--	AY843847.1	KF751468.1	--	--	--	AY844409.1	AY844598.1	AY844817.1	--	AY844064.1
Bokermanohyla hylax	AY549338.1	AY549338.1	AY843865.1	--	--	--	--	AY844419.1	AY844614.1	AY844832.1	--	AY844077.1
Bokermanohyla martinsi	AY843641.1	AY843641.1	AY843878.1	--	--	--	--	--	AY844626.1	AY844844.1	--	AY844086.1
Brachycephalus alipioi	HQ435676.1	HQ435690.1	HQ435703.1	--	--	--	--	HQ435718.1	--	--	--	HQ435732.1
Brachycephalus brunneus	HQ435677.1	HQ435691.1	HQ435704.1	--	--	--	--	HQ435719.1	--	--	--	HQ435733.1
Brachycephalus ephipium	HM216368.1	HM216369.1	HM216367.1	GQ345180.1	GQ345212.1	GQ345228.1	GQ345256.1	HM216370.1	DQ283808.1	DQ282673.1	GQ345326.1	HQ435735.1
Brachycephalus ferruginus	HQ435681.1	HQ435695.1	HQ435708.1	--	--	--	--	HQ435723.1	--	--	--	HQ435737.1

Brachycephalus garbeanus	HQ435680.1	HQ435694.1	HQ435707.1	--	--	--	--	HQ435722.1	--	--	--	HQ435736.1
Brachycephalus hermogenesi	HQ435682.1	--	HQ435709.1	--	--	--	--	HQ435724.1	--	--	--	HQ435738.1
Brachycephalus izecksohni	HQ435683.1	HQ435696.1	HQ435710.1	--	--	--	--	HQ435725.1	--	--	--	HQ435739.1
Brachycephalus pernix	HQ435685.1	HQ435698.1	HQ435712.1	--	--	--	--	HQ435727.1	--	--	--	HQ435741.1
Brachycephalus pitanga	HQ435686.1	HQ435699.1	HQ435713.1	--	--	--	--	HQ435728.1	--	--	--	HQ435742.1
Brachycephalus pombali	HQ435687.1	HQ435700.1	HQ435714.1	--	--	--	--	HQ435729.1	--	--	--	HQ435743.1
Brachycephalus toby	HQ435688.1	HQ435701.1	HQ435715.1	--	--	--	--	HQ435730.1	--	--	--	HQ435744.1
Brachycephalus vertebralis	HQ435689.1	HQ435702.1	HQ435716.1	--	--	--	--	HQ435731.1	--	--	--	HQ435745.1
Brahycephalus didactylus	JX267389.1	JX267467.1	HQ435705.1	--	--	--	--	JX267544.1	--	--	--	JX267681.1
Chiasmocleis capixaba	--	KC180044.1	--	--	--	--	--	--	--	--	--	KC180235.1
Chiasmocleis leucosticta	--	KC180039.1	--	--	--	--	--	--	--	--	--	KC180243.1
Chiasmocleis schubarti	--	KC180071.1	--	--	--	--	--	--	--	--	--	KC180247.1
Chthonerpeton indistinctum	--	EF107202.1	--	--	--	EF107266.1	--	EF107325.1	--	--	EF107428.1	--
Crossodactylodes bokermanni	KF534640.1	KF534650.1	KF534668.1	--	--	--	--	--	KF534677.1	--	--	KF534683.1

Crossodactylodes izecksohni	KF534633.1	KF534646.1	KF534664.1	--	--	--	--	--	KF534673.1	--	--	KF534680.2
Crossodactylus caramaschii	AY143346.1	AY263235.1	KC603961.1	--	--	--	KC604072.1	KC604005.1	--	--	--	--
Cycloramphus acangatan	HQ634162.1	FJ685683.1	FJ685663.1	--	--	--	--	HQ634170.1	KF214198.1	--	--	--
Cycloramphus bandeirensis	HQ634161.1	HQ634166.1	--	--	--	--	--	HQ634169.1	--	--	--	--
Cycloramphus eleutherodactylus	HQ634160.1	HQ634165.1	--	--	--	--	--	HQ634168.1	--	--	--	--
Cycloramphus organensis	HQ634159.1	HQ634164.1	--	--	--	--	--	HQ634167.1	--	--	--	--
Dendrophryniscus berthalutzae	JN867524.1	JN867551.1	--	--	--	--	--	JN867497.1	--	--	--	--
Dendrophryniscus brevipollicatus	AF375490.1	AF375515.1	--	--	--	--	--	JN867499.1	--	--	--	--
Dendrophryniscus carvalhoi	JN867539.1	JN867564.1	--	--	--	--	--	JN867512.1	--	--	--	--
Dendrophryniscus krause	JN867541.1	JN867569.1	--	--	--	--	--	JN867515.1	--	--	--	--
Dendrophryniscus leucomystax	JN867525.1	JN867552.1	--	--	--	--	--	JN867498.1	--	--	--	--
Dendrophryniscus oreites	JN867531.1	JN867558.1	--	--	--	--	--	JN867504.1	--	--	--	--
Dendrophryniscus proboscideus	JN867540.1	JN867567.1	--	--	--	--	--	JN867513.1	--	--	--	--

Dendropsophus anceps	AY843597.1	AY843597.1	AY843818.1	--	--	--	--	AY844386.1	AY844571.1	AY844797.1	--	AY844043.1
Dendropsophus berthalutzae	AY843607.1	AY843607.1	AY843831.1	--	--	--	--	AY844397.1	AY844584.1	AY844807.1	--	AY844052.1
Dendropsophus bipunctatus	AY843608.1	AY843608.1	AY843832.1	--	--	--	--	--	AY844585.1	AY844808.1	--	AY844053.1
Dendropsophus branneri	--	--	AF549336.1	--	--	--	--	--	--	--	--	--
Dendropsophus elegans	DQ380355.1	AF308102.1	AF308124.1	--	--	--	--	--	--	--	--	--
Dendropsophus giesleri	AY843629.1	AY843629.1	AY843860.1	--	--	--	--	AY844417.1	--	AY844827.1	--	AY844075.1
Dendropsophus minutus	AY549345.1	AY549345.1	AY843883.1	--	DQ284046.1	--	--	AY844432.1	DQ283758.1	--	--	AY844089.1
Dendropsophus nanus	AY549346.1	AY549346.1	AY843888.1	GQ365985.1	DQ284051.1	--	AY819123.1	AY844437.1	AY844634.1	AY844852.1	--	EF376132.1
Dendropsophus samborni	AY843663.1	AY843663.1	AY843906.1	--	--	--	--	AY844450.1	AY844653.1	AY844868.1	--	AY844106.1
Dendropsophus seniculus	AY843666.1	AY843666.1	AY843910.1	--	--	--	--	AY844454.1	AY844657.1	AY844872.1	--	AY844109.1
Elachistocleis bicolor	JF836935.1	KC180005.1	--	--	--	--	--	--	JF837037.1	--	--	KC180318.1
Eleutherodactylus bilineata	JX267323.1	JX267323.1	--	--	--	--	--	JX267556.1	--	--	--	JX267691.1
Euparkerella brasiliensis	JX267390.1	JX298316.1	JX298402.1	--	--	--	JX298137.1	KF625104.1	--	--	--	KF625126.1
Euparkerella cochranae	--	--	--	--	--	--	--	KF625094.1	--	--	--	KF625116.1

Euparkerella robusta	--	--	--	--	--	--	--	KF625089.1	--	--	--	KF625111.1
Euparkerella tridactyla	--	--	--	--	--	--	--	KF625088.1	--	--	--	KF625110.1
Fritziana fissilis	--	JN157630.1	--	--	--	--	JN157628.1	--	--	--	--	--
Fritziana goeldii	--	JN157631.1	--	--	--	--	--	--	--	--	--	--
Fritziana ohausi	--	JN157635.1	--	--	--	--	JN157629.1	KC844991.1	--	--	--	--
Gastrotheca albolineata	--	KC844924.1	--	--	--	--	KC844971.1	KC844992.1	--	--	--	--
Gastrotheca ernestoi	--	KC844927.1	--	--	--	--	KC844975.1	KC844995.1	--	--	--	--
Gastrotheca fulvorufa	--	KC844929.1	--	--	--	--	KC844977.1	KC844997.1	--	--	--	--
Gastrotheca microdiscus	--	KC844933.1	--	--	--	--	KC844981.1	KC845000.1	--	--	--	--
Haddadus binotatus	KF740846.1	KF740846.1	JX298405.1	GQ345183.1	DQ284142.1	GQ345231.1	GQ345259.1	JX267548.1	DQ283807.1	GQ345309.1	GQ345329.1	JX267685.1
Holoaden bradei	--	--	JX298403.1	--	--	--	JX298138.1	EF493449.1	--	--	--	EU186779.1
Holoaden luederwaldti	EU186728.1	EU186710.1	--	--	--	--	--	JX267549.1	--	--	--	EU186768.1
Hylodes nasus	--	--	--	GQ345194.1	--	GQ345242.1	GQ345272.1	GQ345289.1	--	--	GQ345340.1	--
Hylodes phyllodes	DQ283096.1	DQ283096.1	DQ502587.1	--	DQ284146.1	--	--	KC604006.1	DQ283812.1	DQ282674.1	--	DQ282923.1
Hylomantis aspera	GQ366222.1	--	--	GQ365978.1	--	--	--	--	GQ366098.1	--	--	--
Hylomantis granulosa	AY843687.1	GQ366292.1	AY843933.1	GQ365979.1	--	--	GQ366032.1	AY844469.1	AY844680.1	--	--	AY844127.1
Hyophryne histrio	--	KC180064.1	--	--	--	--	--	--	--	--	--	--
Hypsiboas albomarginatus	AY549316.1	AY549316.1	AY843815.1	--	--	--	--	AY844384.1	AY844568.1	AY844794.1	--	--

Hypsiboas albopunctatus	AY549317.1	AY549317.1	AY843816.1	--	--	--	--	--	AY844569.1	AY844795.1	--	AY844041.1
Hypsiboas bichoffi	AY549324.1	AY549324.1	AY843833.1	--	--	--	--	AY844398.1	AY844586.1	--	--	--
Hypsiboas caingua	AY549326.1	AY549326.1	AY843838.1	KF751479.1	--	--	--	--	AY844591.1	AY844812.1	--	AY844057.1
Hypsiboas crepitans	AY843621.1	AY843621.1	AY843850.1	KF751482.1	--	--	--	AY844412.1	AY844601.1	--	--	AY844067.1
Hypsiboas curupi	--	--	--	KF751483.1	--	--	--	--	--	--	--	--
Hypsiboas faber	AY549334.1	AY549334.1	AY843857.1	--	--	--	--	--	AY844607.1	AY844825.1	--	--
Hypsiboas guenteri	AY843631.1	AY843631.1	AY843863.1	--	--	--	--	--	AY844612.1	AY844830.1	--	--
Hypsiboas joaquini	AY549340.1	AY549340.1	AY843867.1	KF751484.1	--	--	--	AY844421.1	AY844616.1	AY844834.1	--	--
Hypsiboas latistriatus	AY549360.1	AY549360.1	AY843921.1	--	--	--	--	--	AY844668.1	--	--	--
Hypsiboas leptolineatus	AY549341.1	AY549341.1	AY843872.1	--	--	--	--	AY844424.1	AY844621.1	AY844839.1	--	AY844083.1
Hypsiboas lundii	AY843639.1	AY843639.1	AY843874.1	--	--	--	--	--	AY844623.1	AY844841.1	--	AY844085.1
Hypsiboas marginatus	AY549342.1	AY549342.1	AY843875.1	KF751486.1	--	--	--	AY844426.1	AY844624.1	AY844842.1	--	--
Hypsiboas pardalis	AY843651.1	AY843651.1	AY843891.1	--	--	--	--	--	AY844637.1	AY844855.1	--	AY844096.1
Hypsiboas polytaenius	AY843655.1	AY843655.1	AY843895.1	--	--	--	AY819124.1	AY844443.1	AY844641.1	AY844859.1	--	--
Hypsiboas prasinus	AY549347.1	AY549347.1	AY843896.1	--	--	--	--	--	AY844642.1	AY844860.1	--	AY844100.1
Hypsiboas pulchellus	AY549352.1	AY549352.1	AY843898.1	--	--	--	--	AY844445.1	AY844644.1	AY844862.1	--	AY844102.1
Hypsiboas punctatus	AY549353.1	AY549353.1	AY843899.1	--	--	--	--	--	AY844645.1	--	--	--
Hypsiboas raniceps	AY843657.1	AY843657.1	AY843900.1	KF751489.1	--	--	AY819125.1	--	JQ023459.1	AY844863.1	--	AY844103.1

Hypsiboas semiguttatus	AY549358.1	AY549358.1	AY843908.1	--	--	--	--	AY844452.1	AY844655.1	AY844870.1	--	--
Hypsiboas semilineatus	AY843779.1	AY843779.1	AY843909.1	KF751491.1	--	--	--	AY844453.1	AY844656.1	AY844871.1	--	AY844108.1
Ischnocnema abdita	JX267325.1	JX267471.1	--	--	--	--	--	JX267551.1	--	--	--	JX267687.1
Ischnocnema bolbodactyla	JX267327.1	JX267476.1	--	--	--	--	--	JX267557.1	--	--	--	JX267692.1
Ischnocnema concolor	JX267366.1	JX267366.1	--	--	--	--	--	JX267595.1	--	--	--	JX267728.1
Ischnocnema erythromera	JX267340.1	JX267340.1	--	--	--	--	--	JX267596.1	--	--	--	JX267730.1
Ischnocnema hoehnei	JX267347.1	--	--	--	--	--	--	JX267616.1	--	--	--	JX267752.1
Ischnocnema holti	JX267306.1	JX267306.1	--	--	--	--	--	JX267617.1	--	--	--	JX267754.1
Ischnocnema izecksoni	JX267307.1	JX267307.1	--	--	--	--	--	JX267618.1	--	--	--	JX267756.1
Ischnocnema juipoca	DQ283093.1	DQ283093.1	--	--	DQ284143.1	--	--	JX267624.1	DQ283809.1	--	--	JX267762.1
Ischnocnema melonopygia	JX267430.1	JX267292.1	--	--	--	--	--	JX267634.1	--	--	--	JX267771.1
Ischnocnema nasuta	JX267311.1	JX267311.1	--	--	--	--	--	JX267636.1	--	--	--	JX267775.1
Ischnocnema nigriventris	JX267398.1	JX267483.1	--	--	--	--	--	JX267568.1	--	--	--	JX267704.1
Ischnocnema octavioi	JX267334.1	JX267521.1	--	--	--	--	--	JX267639.1	--	--	--	JX267777.1
Ischnocnema parva	JX267446.1	KC569989.1	HQ435717.1	--	--	--	--	JX267657.1	--	--	--	JX267796.1
Ischnocnema randorum	JX267448.1	JX267381.1	--	--	--	--	--	JX267660.1	--	--	--	JX267800.1

Ischnocnema sambaqui	JX267449.1	JX267531.1	--	--	--	--	--	JX267661.1	--	--	--	JX267801.1
Ischnocnema spanios	JX267407.1	JX267490.1	--	--	--	--	--	JX267584.1	--	--	--	JX267717.1
Ischnocnema verrucosa	JX267457.1	JX267538.1	--	--	--	--	--	JX267670.1	--	--	--	JX267810.1
Ischnocnema vizottoi	JX267350.1	--	--	--	--	--	--	JX267672.1	--	--	--	JX267812.1
Itapotihyla langsdorffii	JQ868500.1	AY819511.1	AY843951.1	--	--	--	KF002003.1	--	AY844697.1	--	--	AY844137.1
Leptodactylus furnarius	KC470108.1	KC477257.1	KF548085.1	--	--	--	--	--	KF613595.1	--	--	--
Leptodactylus fuscus	AY905715.1	AY911284.1	KF548074.1	--	--	--	--	AY323770.1	KF613583.1	--	--	AY341760.1
Leptodactylus gracilis	--	HQ259119.1	AY332229.1	--	--	--	--	--	--	--	--	--
Leptodactylus jolyi	KC470093.1	KC477250.1	KF548066.1	--	--	--	--	--	KF613581.1	--	--	--
Leptodactylus latrans	AY143353.1	AY162395.1	KC603976.1	DQ306492.1	DQ284104.1	--	KC604055.1	KC604026.1	AY844681.1	--	--	KC604082.1
Leptodactylus macrosternum	KC470106.1	KC477255.1	KF548084.1	--	--	--	--	--	KF613594.1	--	--	--
Leptodactylus mystaceus	KC470101.1	KC477252.1	KF548080.1	--	--	--	KC604058.1	KC604036.1	KF613589.1	--	--	JN706737.1
Leptodactylus mystacinus	KC470105.1	KC477256.1	KF548067.1	--	--	--	--	AY323771.1	AY323747.1	--	--	--
Leptodactylus notoaktites	--	KC477254.1	KF548083.1	--	--	--	--	--	KF613592.1	--	--	--
Leptodactylus plaumanni	--	--	AY332231.1	--	--	--	--	--	--	--	--	--

Leptodactylus podicipinus	KC470094.1	KC477245.1	KF548073.1	--	--	--	--	--	KF613582.1	--	--	--
Lithobates palmipes	DQ347037.1	DQ283384.1	--	--	DQ284369.1	--	--	DQ347263.1	DQ347382.1	DQ282847.1	--	DQ347170.1
Luetkenotyphlus brasiliensis	--	EF107198.1	--	EF107483.1	--	EF107262.1	--	EF107321.1	--	--	EF107424.1	--
Macrogenioglottus alipioi	KF214098.1	FJ685685.1	FJ685665.1	--	--	--	--	FJ685705.1	KF214200.1	--	--	--
Melanophryniscus setiba	JX961679.1	JX961679.1	--	JX961675.1	--	--	--	--	JX961677.1	--	--	--
Myersiella microps	--	KC179973.1	--	--	--	--	--	--	--	--	--	KC180279.1
Odontophrynus carvalhoi	KF214100.1	FJ685687.1	FJ685667.1	--	--	--	--	FJ685707.1	KF214202.1	--	--	--
Ololygon catharinae	AY843756.1	AY843756.1	AY844001.1	--	--	--	AY819140.1	AY844517.1	AY844742.1	AY844941.1	--	--
Ololygon obtriangulata	GQ896259.1	--	--	--	--	--	--	--	--	--	--	--
Paratelmatobius cardosoi	EU224404.1	EU224404.1	--	--	--	--	--	--	--	--	--	--
Paratelmatobius gaigeae	EU224397.1	EU224397.1	--	--	--	--	--	--	--	--	--	--
Paratelmatobius poecilogaster	EU224400.1	EU224400.1	--	--	--	--	--	--	--	--	--	--
Phasmahyla cochranae	--	GQ366309.1	--	GQ365996.1	--	--	GQ366038.1	GQ366076.1	GQ366105.1	GQ366164.1	--	--
Phasmahyla exilis	GQ366231.1	GQ366310.1	GQ365920.1	GQ365997.1	--	--	GQ366039.1	GQ366077.1	GQ366106.1	GQ366165.1	--	--
Phasmahyla guttata	GQ366232.1	GQ366232.1	GQ365921.1	--	--	--	GQ366040.1	--	GQ366107.1	--	--	--

Phasmahyla jandaia	GQ366233.1	GQ366312.1	GQ365922.1	GQ365999.1	--	--	GQ366042.1	--	GQ366108.1	GQ366166.1	--	--
Phrynomedusa marginata	GQ366234.1	GQ366313.1	GQ365923.1	--	--	--	--	GQ366078.1	GQ366109.1	GQ366167.1	--	GQ366199.1
Phyllodytes luteolus	AY843721.1	AY843721.1	AY843966.1	--	--	--	GQ366043.1	AY844494.1	AY844708.1	AY844913.1	--	AY844150.1
Phyllomedusa bahiana	GQ366251.1	GQ366251.1	GQ365940.1	--	--	--	--	--	GQ366126.1	GQ366177.1	--	GQ366205.1
Phyllomedusa burmeisteri	GQ366255.1	GQ366324.1	GQ365944.1	GQ366011.1	--	--	GQ366052.1	GQ366087.1	GQ366130.1	GQ366180.1	--	GQ366207.1
Phyllomedusa distincta	GQ366263.1	GQ366326.1	GQ365951.1	GQ366013.1	--	--	GQ366056.1	--	GQ366135.1	--	--	GQ366210.1
Phyllomedusa iheringii	GQ366264.1	GQ366328.1	GQ365952.1	--	--	--	GQ366057.1	--	GQ366136.1	GQ366185.1	--	--
Phyllomedusa nordestina	GQ366271.1	GQ366330.1	GQ365959.1	GQ366016.1	--	--	--	GQ366091.1	GQ366143.1	--	--	GQ366215.1
Phyllomedusa rohdei	GQ366238.1	GQ366316.1	GQ365927.1	GQ366001.1	--	--	--	GQ366081.1	GQ366113.1	--	--	--
Phyllomedusa tetraploidea	GQ366284.1	GQ366334.1	GQ365972.1	GQ366021.1	--	--	GQ366066.1	GQ366096.1	GQ366155.1	GQ366194.1	--	GQ366218.1
Physalaemus atlanticus	KC692081.1	KC692081.1	--	--	--	--	--	--	--	--	--	--
Physalaemus barrioi	DQ337213.1	DQ337213.1	--	--	--	--	--	--	--	--	--	--
Physalaemus crombiei	KC692082.1	KC692082.1	--	--	--	--	--	--	--	--	--	--
Physalaemus cuvieri	AY843729.1	AY162399	AY843975	--	--	--	AY819096	AY844499	--	AY844922	--	--
Physalaemus olfersii	KC692085.1	KC692085.1	--	--	--	--	--	--	--	--	--	--
Physalaemus signifer	DQ337209.1	DQ337209.1	--	--	--	--	--	--	--	--	--	--

Physalaemus spiniger	KC692086.1	KC692086.1	--	--	--	--	--	--	--	--	--	--
Pipa carvalhoi	DQ283251	DQ283251	--	--	DQ284277	--	--	--	DQ283922	DQ282774	--	--
Pristimantis paulodutrai	JX267399.1	JX267360.1	--	--	--	--	--	JX267573.1	--	--	--	JX267707.1
Pristimantis ramagii	JX267319.1	JX267319.1	--	--	--	--	--	JX267659.1	--	--	--	JX267798.1
Pristimantis vinhai	X267411.1	--	--	--	--	--	--	JX267592.1	--	--	--	JX267725.1
Proceratophrys appendiculata	KF214131.1	--	KF214173.1	--	--	--	--	KF214190.1	KF214232.1	--	--	--
Proceratophrys avelinoi	KF214102.1	FJ685691.1	FJ685671.1	--	--	--	--	FJ685711.1	KF214204.1	--	--	--
Proceratophrys bigibbosa	KF214103.1	FJ685692.1	FJ685672.1	--	--	--	--	FJ685712.1	KF214205.1	--	--	--
Proceratophrys cristiceps	KF214106.1	FJ685695.1	FJ685675.1	--	--	--	--	FJ685715.1	KF214208.1	--	--	--
Proceratophrys cururu	KF214107.1	FJ685696.1	FJ685676.1	--	--	--	--	FJ685716.1	KF214209.1	--	--	--
Proceratophrys laticeps	KF214109.1	FJ685698.1	FJ685678.1	--	--	--	--	FJ685718.1	KF214211.1	--	--	--
Proceratophrys melanopogon	KF214120.1	KF214142.1	KF214164.1	--	--	--	GQ345270.1	KF214181.	KF214217.1	--	--	--
Proceratophrys minuta	KF214113.1	--	JX982962.1	--	--	--	--	JX982970.1	KF214215.1	--	--	--
Proceratophrys renalis	KF214111.1	JN814584.1	JN814523.1	--	--	--	--	JN814664.1	KF214213.1	--	--	--
Proceratophrys schirchi	KF214112.1	FJ685701.1	FJ685681.1	--	--	--	--	FJ685721.1	KF214214.1	--	--	--
Pseudis bolbodactyla	EF153007.1	EF153007.1	--	--	--	--	--	--	--	--	--	--

Pseudis cardosoi	EF152997.1	EF152997.1	--	--	--	--	--	--	--	--	--	--
Pseudis fusca	EF153003.1	EF153003.1	--	--	--	--	--	--	--	--	--	--
Pseudis minuta	AY843739.1	AY843739.1	AY843985.1	--	--	--	--	--	--	AY844929.1	--	--
Pseudis paradoxa	AY819353.1	AY819483.1	AY843986.1	--	DQ284128.1	--	AY819102.1	AY844506.1	AY844727.1	--	--	AY844167.1
Rhinella crucifer	DQ158447	DQ158447	DQ415596	--	--	--	DQ158288	--	--	--	--	--
Rhinella granulosa	DQ158458.1	DQ158458.1	HM159225.1	FJ882728.1	--	FJ882673.1	DQ158299.1	DQ158380.1	--	--	--	--
Rhinella hoogmoedi	JN867545.1	JN867571.1	--	--	--	--	--	--	--	--	--	--
Rhinella icterica	DQ158462.1	DQ158462.1	JN594575.1	--	--	--	DQ158303.1	DQ158384.1	HM159240.1	--	--	--
Rhinella schneideri	DQ158480.1	DQ158480.1	HM159235.1	--	--	FJ882674.1	--	DQ158399.1	--	--	--	--
Scinax crospedospilus	AY819391.1	AY819523.1	--	--	--	--	AY819141.1	--	--	--	--	--
Scinax duartei	GQ896255.1	--	--	--	--	--	--	--	--	--	--	--
Scinax fuscovarius	AY843758.1	AY843758.1	AY844003.1	--	--	--	--	AY844519.1	AY844744.1	AY844943.1	--	AY844179.1
Scinax hayii	GQ896257.1	--	--	--	--	--	--	--	--	--	--	--
Scinax similis	GQ896263.1	--	--	--	--	--	--	--	--	--	--	--
Scinax squalirostris	AY843760.1	AY843760.1	--	--	--	--	--	AY844522.1	AY844747.1	AY844945.1	--	AY844182.1
Scinax uruguayus	AY843681.1	AY843681.1	AY843927.1	--	--	--	--	--	AY844674.1	AY844884.1	--	AY844123.1
Scythrophrys sawayae	DQ283099.1	DQ283099.1	--	--	DQ284149.1	--	--	--	DQ283815.1	--	--	DQ282926.1
Siphonops annulatus	--	EU753986.1	EU754003.1	--	--	--	--	DQ320064.1	--	--	--	--
Siphonops paulensis	--	EF107203.1	--	EF107487.1	--	--	--	EF107326.1	--	--	EF107429.1	--

Stereocyclops incrassatus	--	KC180014.1	--	--	--	--	--	--	--	--	--	KC180231.1
Trachycephalus imitatrix	EU034036.1	--	--	--	--	--	--	--	--	--	--	--
Trachycephalus mesophaeus	AY843718.1	AY843718.1	AY843963.1	--	--	--	--	AY844491.1	AY844705.1	AY844910.1	--	AY844147.1
Trachycephalus nigromaculatus	AY843772.1	AY843772.1	AY844016.1	--	--	--	--	--	AY844759.1	--	--	AY844191.1
Trachycephalus typhonius	JX847093.1	JX875626.1	--	--	--	--	JX875780.1	--	--	--	--	--
Xenohyla truncata	AY843775.1	AY843775.1	AY844018.1	--	--	--	--	--	--	--	--	--
Zachaenus parvulus	KC593362.1	KC593362.1	--	--	--	--	--	--	--	--	--	--

Table S3.

List of studied amphibian species and their respective ecological traits sampled in the Brazilian Atlantic Forest.

Species	Activity	Body size	Calling site	Toxicity	Habit	Habitat	Developmental mode	Members
Adelophryne mucronatus	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Adelophryne pachydactyla	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Adenomera araucaria	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Adenomera bokermanni	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Adenomera engelsi	Nocturnal and diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Adenomera thomei	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Agalicnis aspera	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest	Indirect	Tetrapod
Agalicnis granulosa	Nocturnal	Medium	Low vegetation	Toxic	Arboreal	Forest	Indirect	Tetrapod
Allobates alagoanus	Diurnal	Small	River	Non-toxic	Rheophilic	Forest	Indirect	Tetrapod
Aparasphenodon brunoi	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus albofrenatus	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus albosignatus	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus arildae	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus callipygius	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus cavicola	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus cochranae	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest and open area	Indirect	Tetrapod
Aplastodiscus ehrhardti	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus eugenioi	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus leucopygius	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod

Aplastodiscus perviridis	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Aplastodiscus weygoldti	Nocturnal	Medium	Swamp, pond, stream and rivulet	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Bokermannohyla astartea	Nocturnal	Medium	Bromeliad	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Bokermannohyla circumdata	Nocturnal	Medium	Swamp and pond	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Bokermannohyla hylax	Nocturnal	Medium	Swamp and pond	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Bokermannohyla martinsi	Nocturnal	Medium	Low vegetation	Unpalatable	Terrestrial	Forest	Indirect	Tetrapod
Brachycephalus alipioi	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus brunneus	Diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus ephippium	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus ferruginus	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus garbeanus	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus hermogenesi	Diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus izecksohni	Diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus pernix	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus pitanga	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus pombali	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus toby	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Brachycephalus vertebralis	Diurnal	Small	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Bracycephalus didactylus	Diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Chiasmocleis capixaba	Nocturnal	Small	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Chiasmocleis leucosticta	Nocturnal and diurnal	Small	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Chiasmocleis schubarti	Nocturnal	Medium	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Chthonerpeton indistinctum	Nocturnal	Large	Without calling	Unknow	Fossorial and aquatic	Forest and open area	Direct	Apod
Crossodactylodes bokermanni	Nocturnal	Small	Bromeliad	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Crossodactylodes izecksohni	Nocturnal	Small	Bromeliad	Non-toxic	Arboreal	Forest	Indirect	Tetrapod

Crossodactylus caramaschii	Nocturnal and diurnal	Small	Low vegetation	Non-toxic	Rheophilic	Forest	Indirect	Tetrapod
Cycloramphus acangatan	Nocturnal	Medium	Forest floor	Unknow	Cryptic	Forest	Indirect	Tetrapod
Cycloramphus bandeirensis	Nocturnal	Medium	Without calling	Unknow	Rheophilic	Open area	Indirect	Tetrapod
Cycloramphus eleutherodactylus	Nocturnal	Medium	Cave and burrow	Unknow	Cryptic	Forest	Indirect	Tetrapod
Cycloramphus organensis	Nocturnal	Medium	Without calling	Unknow	Cryptic	Open area	Indirect	Tetrapod
Dendrophryniscus berthalutzae	Nocturnal	Small	Bromeliad	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Dendrophryniscus brevipollicatus	Nocturnal	Small	Bromeliad	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Dendrophryniscus carvalhoi	Nocturnal	Small	Bromeliad	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Dendrophryniscus krausae	Nocturnal	Small	Without calling	Non-toxic	Arboreal and cryptic	Forest	Indirect	Tetrapod
Dendrophryniscus leucomystax	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Dendrophryniscus oreites	Nocturnal	Small	Without calling	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Dendrophryniscus proboscideus	Nocturnal	Medium	Without calling	Toxic	Cryptic	Forest	Indirect	Tetrapod
Dendropsophus anceps	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Dendropsophus berthalutzae	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Dendropsophus bipunctatus	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Dendropsophus branneri	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Dendropsophus elegans	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Dendropsophus giesleri	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Dendropsophus minutus	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Dendropsophus nanus	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Dendropsophus sanborni	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Dendropsophus seniculus	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Elachistocleis bicolor	Nocturnal	Medium	Swamp and pond	Non-toxic	Fossorial	Open area	Indirect	Tetrapod
Eleutherodactylus bilineatus	Nocturnal	Small	Without calling	Non-toxic	Arboreal and cryptic	Forest	Direct	Tetrapod
Euparkerella brasiliensis	Nocturnal and diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Euparkerella cochranae	Nocturnal and diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod

Euparkerella robusta	Nocturnal and diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Euparkerella tridactyla	Nocturnal and diurnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Fritziana fissilis	Nocturnal	Small	Bromeliad	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Fritziana goeldii	Nocturnal	Medium	Bromeliad	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Fritziana ohausi	Nocturnal	Medium	Bamboo groove	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Gastrotheca albolineata	Nocturnal	Medium	Tree crown	Non-toxic	Arboreal	Forest	Direct	Tetrapod
Gastrotheca ernestoi	Nocturnal	Medium	Tree crown	Non-toxic	Arboreal	Forest	Direct	Tetrapod
Gastrotheca fulvorufa	Nocturnal	Medium	Tree crown	Non-toxic	Arboreal	Forest	Direct	Tetrapod
Gastrotheca microdiscus	Nocturnal	Medium	Tree crown	Non-toxic	Arboreal	Forest	Direct	Tetrapod
Haddadus binotatus	Nocturnal	Medium	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Holoaden bradei	Nocturnal	Small	Without calling	Toxic	Cryptic	Forest and open area	Direct	Tetrapod
Holoaden luederwaldti	Nocturnal	Medium	Forest floor	Toxic	Cryptic	Forest	Direct	Tetrapod
Hylodes nasus	Diurnal	Medium	Low vegetation	Non-toxic	Rheophilic	Forest	Indirect	Tetrapod
Hylodes phyllodes	Diurnal	Small	Low vegetation	Non-toxic	Rheophilic	Forest	Indirect	Tetrapod
Hyophryne histrio	Nocturnal	Medium	Swamp and pond	Unknow	Cryptic	Forest	Indirect	Tetrapod
Hypsiboas albomarginatus	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas albopunctatus	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas bischoffi	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas caingua	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas crepitans	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas curupí	Nocturnal	Medium	Low vegetation	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Hypsiboas faber	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Hypsiboas guentheri	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Hypsiboas joaquini	Nocturnal	Medium	Low vegetation	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Hypsiboas latistriatus	Nocturnal	Medium	Low vegetation	Non-toxic	Arboreal	Forest	Indirect	Tetrapod

Hypsiboas leptolineatus	Nocturnal	Medium	Swamp, pond, stream and rivulet	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas lundii	Nocturnal	Medium	River	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Hypsiboas marginatus	Nocturnal	Medium	Low vegetation	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Hypsiboas pardalis	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Hypsiboas polytaenius	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas prasinus	Nocturnal	Medium	Swamp, pond, stream and rivulet	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Hypsiboas pulchellus	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Hypsiboas punctatus	Nocturnal	Medium	Swamp, pond, stream and rivulet	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas raniceps	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Hypsiboas semiguttatus	Nocturnal	Medium	Low vegetation	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Hypsiboas semilineatus	Nocturnal	Medium	Swamp, pond, stream and rivulet	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Ischnocnema abdita	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema bolbodactyla	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema concolor	Nocturnal	Small	Leaf titter	Non-toxic	Cryptic	Forest and open area	Direct	Tetrapod
Ischnocnema erythromera	Nocturnal	Medium	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema hoehnei	Nocturnal	Small	Forest floor	Non-toxic	Arboreal and cryptic	Forest	Direct	Tetrapod
Ischnocnema holti	Nocturnal	Small	Leaf titter	Non-toxic	Arboreal and cryptic	Forest and open area	Direct	Tetrapod
Ischnocnema izecksohni	Nocturnal	Medium	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema juipoca	Nocturnal	Small	Leaf titter	Non-toxic	Cryptic	Forest and open area	Direct	Tetrapod
Ischnocnema melanopygia	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema nasuta	Nocturnal	Medium	Bromeliad	Non-toxic	Arboreal and cryptic	Forest	Direct	Tetrapod
Ischnocnema nigriventris	Nocturnal	Small	Forest floor	Non-toxic	Arboreal and cryptic	Forest	Direct	Tetrapod

Ischnocnema octavioi	Nocturnal	Medium	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema parva	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema randorum	Nocturnal	Small	Leaf titter	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema sambaqui	Nocturnal	Medium	Low vegetation	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema spanios	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema verrucosa	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Ischnocnema vizottoi	Nocturnal	Small	Leaf titter	Non-toxic	Arboreal and cryptic	Forest	Direct	Tetrapod
Itapotihyla langsdorffii	Nocturnal	Large	Swamp and pond	Unpalatable	Arboreal	Forest	Indirect	Tetrapod
Leptodactylus furnarius	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal and aquatic	Open area	Indirect	Tetrapod
Leptodactylus fuscus	Nocturnal	Medium	Swamp and pond	Non-toxic	Terrestrial	Open area	Indirect	Tetrapod
Leptodactylus gracilis	Nocturnal	Medium	Swamp and pond	Non-toxic	Cryptic	Open area	Indirect	Tetrapod
Leptodactylus jolyi	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal and aquatic	Open area	Indirect	Tetrapod
Leptodactylus latrans	Nocturnal	Medium	Swamp and pond	Toxic	Terrestrial	Forest and open area	Indirect	Tetrapod
Leptodactylus macrosternum	Nocturnal	Medium	Swamp and pond	Toxic	Terrestrial	Forest and open area	Indirect	Tetrapod
Leptodactylus mystaceus	Nocturnal	Medium	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Leptodactylus mystacinus	Nocturnal	Medium	Swamp and pond	Toxic	Terrestrial	Open area	Indirect	Tetrapod
Leptodactylus notoaktites	Nocturnal	Medium	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Leptodactylus plaumanni	Nocturnal	Medium	Swamp and pond	Non-toxic	Cryptic	Open area	Indirect	Tetrapod
Leptodactylus podicipinus	Nocturnal	Medium	Swamp and pond	Non-toxic	Cryptic	Open area	Indirect	Tetrapod
Lithobates palmipes	Nocturnal	Large	Swamp and pond	Non-toxic	Semi-aquatic	Forest and open area	Indirect	Tetrapod
Luetkenotyphlus brasiliensis	Nocturnal	Large	Without calling	Unknow	Fossorial	Forest and open area	Direct	Apod
Macrogenioglottus alipioi	Nocturnal	Medium	Swamp and pond	Toxic	Cryptic	Forest	Indirect	Tetrapod
Melanophryniscus setiba	Diurnal	Small	Without calling	Toxic	Cryptic	Forest	Indirect	Tetrapod
Myersiella microps	Nocturnal	Medium	Forest floor	Non-toxic	Fossorial	Forest	Direct	Tetrapod

Odontophrynus carvalhoi	Nocturnal	Medium	Low vegetation	Toxic	Terrestrial	Forest and open area	Indirect	Tetrapod
Paratelmatobius cardosoi	Nocturnal	Small	Swamp and pond	Unknow	Cryptic	Forest	Indirect	Tetrapod
Paratelmatobius gaigeae	Nocturnal	Small	Swamp and pond	Unknow	Cryptic	Forest	Indirect	Tetrapod
Paratelmatobius poecilogaster	Nocturnal	Small	Swamp and pond	Unknow	Cryptic	Forest	Indirect	Tetrapod
Phasmahyla cochranae	Nocturnal	Medium	Low vegetation	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phasmahyla exilis	Nocturnal	Medium	Low vegetation	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phasmahyla guttata	Nocturnal	Medium	Low vegetation	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phasmahyla jandaia	Nocturnal	Medium	Low vegetation	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phrynomedusa marginata	Nocturnal	Medium	Low vegetation	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phyllodytes luteolus	Nocturnal	Small	Bromeliad	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Phyllomedusa bahiana	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phyllomedusa burmeisteri	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Phyllomedusa distincta	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phyllomedusa iheringii	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Open area	Indirect	Tetrapod
Phyllomedusa nordestina	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phyllomedusa rohdei	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest	Indirect	Tetrapod
Phyllomedusa tetraploidea	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Physalaemus atlanticus	Nocturnal	Small	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Physalaemus barrioi	Nocturnal	Medium	Swamp and pond	Non-toxic	Terrestrial	Open area	Indirect	Tetrapod
Physalaemus crombiei	Nocturnal	Small	Swamp and pond	Non-toxic	Terrestrial	Forest	Indirect	Tetrapod
Physalaemus cuvieri	Nocturnal	Medium	Swamp and pond	Non-toxic	Terrestrial	Open area	Indirect	Tetrapod
Physalaemus olfersii	Nocturnal	Medium	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Physalaemus signifer	Nocturnal	Small	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Physalaemus spiniger	Nocturnal	Small	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Pipa carvalhoi	Nocturnal and diurnal	Medium	Swamp and pond	Non-toxic	Aquatic	Open area	Indirect	Tetrapod

Pristimantis paulodutrai	Nocturnal	Medium	Leaf titter	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Pristimantis ramagii	Nocturnal	Small	Leaf titter	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Pristimantis vinhai	Nocturnal	Small	Forest floor	Non-toxic	Cryptic	Forest	Direct	Tetrapod
Proceratophrys appendiculata	Nocturnal	Medium	Swamp, pond, stream and rivulet	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Proceratophrys avelinoi	Nocturnal	Small	Low vegetation	Non-toxic	Cryptic	Forest and open area	Indirect	Tetrapod
Proceratophrys bigibbosa	Nocturnal	Medium	Low vegetation	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Proceratophrys cristiceps	Nocturnal	Medium	Low vegetation	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Proceratophrys cururu	Nocturnal	Medium	Stream and rivulet	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Proceratophrys laticeps	Nocturnal	Medium	Swamp, pond, stream and rivulet	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Proceratophrys melanopogon	Nocturnal	Medium	Swamp, pond, stream and rivulet	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Proceratophrys minuta	Nocturnal	Medium	Low vegetation	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Proceratophrys renalis	Nocturnal	Medium	Low vegetation	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Proceratophrys schirchi	Nocturnal	Medium	Low vegetation	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Pseudis bolbodactyla	Nocturnal	Medium	Swamp and pond	Non-toxic	Aquatic	Open area	Indirect	Tetrapod
Pseudis cardosoi	Nocturnal	Medium	Swamp and pond	Non-toxic	Aquatic	Open area	Indirect	Tetrapod
Pseudis fusca	Nocturnal	Medium	Swamp and pond	Non-toxic	Aquatic	Open area	Indirect	Tetrapod
Pseudis minuta	Nocturnal	Medium	Swamp and pond	Non-toxic	Aquatic	Open area	Indirect	Tetrapod
Pseudis paradoxa	Nocturnal	Medium	Swamp and pond	Non-toxic	Aquatic	Open area	Indirect	Tetrapod
Rhinella crucifer	Nocturnal	Large	Swamp, pond, stream and rivulet	Toxic	Terrestrial	Forest and open area	Indirect	Tetrapod
Rhinella granulosus	Nocturnal	Medium	Swamp and pond	Toxic	Terrestrial	Forest and open area	Indirect	Tetrapod
Rhinella hoogmoedi	Nocturnal	Medium	Swamp and pond	Toxic	Terrestrial	Forest	Indirect	Tetrapod
Rhinella ictericus	Nocturnal	Large	Swamp, pond, stream and rivulet	Toxic	Terrestrial	Forest and open area	Indirect	Tetrapod
Rhinella schneideri	Nocturnal	Large	Swamp, pond, stream and rivulet	Toxic	Terrestrial	Open area	Indirect	Tetrapod

Scinax catharinae	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Scinax crospedospilus	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Forest	Indirect	Tetrapod
Scinax duartei	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Scinax fuscovarius	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Scinax hayii	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal and terrestrial	Forest	Indirect	Tetrapod
Scinax obtriangulatus	Nocturnal	Medium	Low vegetation	Non-toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Scinax similis	Nocturnal	Medium	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Scinax squalirostris	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Scinax uruguayus	Nocturnal	Small	Swamp and pond	Non-toxic	Arboreal	Open area	Indirect	Tetrapod
Scythrophrys sawayae	Nocturnal	Small	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Siphonops annulatus	Nocturnal	Large	Without calling	Unknow	Fossorial	Forest and open area	Direct	Apod
Siphonops paulensis	Nocturnal	Large	Without calling	Unknow	Fossorial	Forest and open area	Direct	Apod
Stereocyclops incrassatus	Nocturnal	Medium	Swamp and pond	Non-toxic	Cryptic	Forest	Indirect	Tetrapod
Trachycephalus imitatrix	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest	Indirect	Tetrapod
Trachycephalus mesophaeus	Nocturnal and diurnal	Medium	Swamp and pond	Toxic	Arboreal	Forest	Indirect	Tetrapod
Trachycephalus nigromaculatus	Nocturnal	Medium	Swamp, pond, stream and rivulet	Toxic	Arboreal	Forest	Indirect	Tetrapod
Trachycephalus typhonius	Nocturnal	Medium	Swamp and pond	Toxic	Arboreal	Forest and open area	Indirect	Tetrapod
Xenohyla truncata	Nocturnal	Medium	Swamp and pond	Unknow	Arboreal	Forest	Indirect	Tetrapod

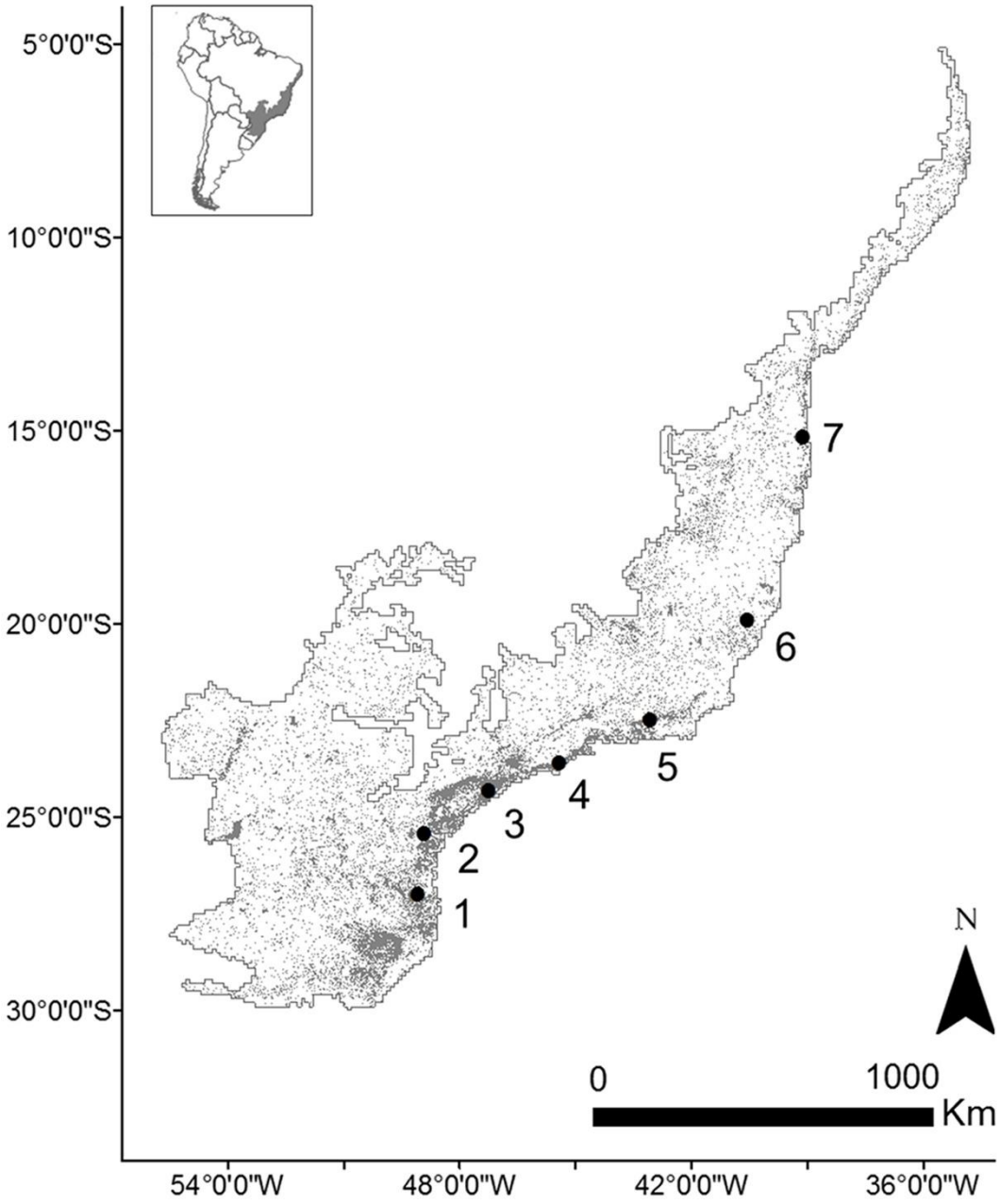

Fig. S1. — Atlantic Forest remnants (grey spots) and complementary fieldwork areas (black dots) sampled in the Brazilian coastal region. 1. Parque Ecológico Spitzkopf, SC; 2. Parque Estadual Pico do Marumbi, PR; 3. Estação Ecológica de Juréia-Itatins, SP; 4. Parque Estadual da Serra do Mar Núcleo Caraguatatuba, SP; 5. Parque Nacional da Serra dos Órgãos, RJ; 6. Reserva Biológica Augusto Ruschi, ES; 7. Reserva Biológica de Una, BA.