

Ecography

ECOG-00396

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Supplementary material

Appendix 1

Table A1. Average size range for amphibians of the Atlantic Forest to present and future (2080), and percentage variation size (median) of geographic distribution obtained by the ensemble forecast of SDMs.

Family	Species	Range Size (km ²)		Contraction/ Expansion (%)
		Present	Future	
Aromobatidae	<i>Allobates olfersioides</i>	314,963	210,419	-40.05
Brachycephalidae	<i>Brachycephalus alipioi</i>	266,442	49,610	-15.69
Brachycephalidae	<i>Brachycephalus didactylus</i>	170,247	45,496	-21.08
Brachycephalidae	<i>Brachycephalus ephippium</i>	1,452	121	-7.69
Brachycephalidae	<i>Brachycephalus hermogenesi</i>	55,539	10,285	-15.62
Bufo	<i>Dendrophryniscus leucomystax</i>	455,928	47,795	-9.48
Bufo	<i>Dendrophryniscus stawiarskyi</i>	71,269	6,655	-8.54
Bufo	<i>Frostius pernambucensis</i>	160,204	43,076	-21.19
Bufo	<i>Melanophryniscus admirabilis</i>	121,242	41,019	-25.27
Bufo	<i>Melanophryniscus atroluteus</i>	34,969	0	0
Bufo	<i>Melanophryniscus cambaraensis</i>	5,324	0	0
Bufo	<i>Melanophryniscus devincenzii</i>	3,509	0	0
Bufo	<i>Melanophryniscus dorsalis</i>	197,593	968	-0.48
Bufo	<i>Melanophryniscus spectabilis</i>	6,776	0	0
Bufo	<i>Melanophryniscus tumifrons</i>	207,515	9,801	-4.51
Bufo	<i>Rhinella abei</i>	195,657	19,360	-9.00
Bufo	<i>Rhinella achavali</i>	40,293	77,803	65.88
Bufo	<i>Rhinella arenarum</i>	480,128	551,881	53.47
Bufo	<i>Rhinella bergi</i>	176,902	484	-0.27
Bufo	<i>Rhinella cerradensis</i>	13,552	127,655	90.40
Bufo	<i>Rhinella crucifer</i>	78,650	226,996	74.26
Bufo	<i>Rhinella diptycha</i>	49,610	484	-0.96
Bufo	<i>Rhinella dorbignyi</i>	169,521	49,005	-22.42
Bufo	<i>Rhinella fernandezae</i>	25,289	0	0
Bufo	<i>Rhinella granulosa</i>	35,937	222,277	86.08
Bufo	<i>Rhinella henseli</i>	220,583	348,601	61.24
Bufo	<i>Rhinella hoogmoedi</i>	16,819	0	0
Bufo	<i>Rhinella icterica</i>	186,582	363	-0.19
Bufo	<i>Rhinella jimi</i>	1103,157	1321,925	54.51
Bufo	<i>Rhinella margaritifera</i>	314,842	197,472	-38.54
Bufo	<i>Rhinella marina</i>	951,786	354,288	-27.12
Bufo	<i>Rhinella ocellata</i>	320,650	415,393	56.43
Bufo	<i>Rhinella ornata</i>	5,687	968	-14.54
Bufo	<i>Rhinella pombali</i>	279,631	56,144	-16.72
Bufo	<i>Rhinella pygmaea</i>	69,696	6,171	-8.13
Bufo	<i>Rhinella rubescens</i>	354,288	270,919	-43.33
Bufo	<i>Rhinella schneideri</i>	1287,682	1386,781	51.85
Caeciliidae	<i>Chthonerpeton indistinctum</i>	113,498	0	0
Caeciliidae	<i>Luetkenotyphlus brasiliensis</i>	469,117	149,677	-24.18

Family	Species	Range size		Contraction/ Expansion (%)
		Present	Future	
Caeciliidae	<i>Siphonops annulatus</i>	1023,297	994,257	-49.28
Caeciliidae	<i>Siphonops hardyi</i>	4,114	5,687	58.02
Caeciliidae	<i>Siphonops insulanus</i>	103,455	47,069	-31.27
Caeciliidae	<i>Siphonops paulensis</i>	1098,922	1334,509	54.84
Centrolenidae	<i>Vitreorana eurygnathum</i>	3,146	0	0
Centrolenidae	<i>Vitreorana parvulum</i>	526,592	85,547	-13.97
Centrolenidae	<i>Vitreorana uranoscopum</i>	588,302	128,260	-17.89
Ceratophryidae	<i>Ceratophrys aurita</i>	586,729	68,002	-10.38
Craugastoridae	<i>Haddadus binotatus</i>	600,281	60,621	-9.17
Cycloramphidae	<i>Cycloramphus acangatan</i>	226,270	52,514	-18.83
Cycloramphidae	<i>Cycloramphus asper</i>	192,269	35,937	-15.74
Cycloramphidae	<i>Cycloramphus bolitoglossus</i>	7,744	0	0
Cycloramphidae	<i>Cycloramphus boraceiensis</i>	4,114	1,815	-30.61
Cycloramphidae	<i>Cycloramphus brasiliensis</i>	62,920	5,082	-7.47
Cycloramphidae	<i>Cycloramphus cedrensis</i>	4,598	484	-9.52
Cycloramphidae	<i>Cycloramphus diringshofeni</i>	72,237	30,734	-29.84
Cycloramphidae	<i>Cycloramphus dubius</i>	150,766	32,912	-17.91
Cycloramphidae	<i>Cycloramphus duseni</i>	81,675	0	0
Cycloramphidae	<i>Cycloramphus eleutherodactylus</i>	86,152	2,783	-3.12
Cycloramphidae	<i>Cycloramphus fuliginosus</i>	27,346	0	0
Cycloramphidae	<i>Cycloramphus granulatus</i>	45,617	16,819	-26.93
Cycloramphidae	<i>Cycloramphus izecksohni</i>	41,382	3,146	-7.06
Cycloramphidae	<i>Cycloramphus lutzorum</i>	3,267	0	0
Cycloramphidae	<i>Cycloramphus migueli</i>	43,923	10,769	-19.69
Cycloramphidae	<i>Cycloramphus mirandaribeiroi</i>	20,207	0	0
Cycloramphidae	<i>Cycloramphus ohausi</i>	3,388	11,979	77.95
Cycloramphidae	<i>Cycloramphus rhyakonastes</i>	120,274	31,944	-20.98
Cycloramphidae	<i>Cycloramphus semipalmatus</i>	85,184	2,783	-3.16
Cycloramphidae	<i>Cycloramphus stejnegeri</i>	51,062	484	-0.93
Cycloramphidae	<i>Cycloramphus valae</i>	138,908	12,342	-8.16
Cycloramphidae	<i>Limnomedusa macroglossa</i>	241,758	26,136	-9.75
Cycloramphidae	<i>Macrogenioglottus alipioi</i>	349,690	258,698	-42.52
Cycloramphidae	<i>Odontophrynus americanus</i>	163,713	304,799	65.05
Cycloramphidae	<i>Odontophrynus carvalhoi</i>	60,500	27,225	-31.03
Cycloramphidae	<i>Odontophrynus cultripes</i>	1115,015	498,157	-30.88
Cycloramphidae	<i>Odontophrynus salvatori</i>	7,865	0	0
Cycloramphidae	<i>Proceratophrys appendiculata</i>	628,595	152,702	-19.54
Cycloramphidae	<i>Proceratophrys avelinoi</i>	151,492	0	0
Cycloramphidae	<i>Proceratophrys bigibbosa</i>	411,521	161,535	-28.18
Cycloramphidae	<i>Proceratophrys boiei</i>	194,689	79,376	-28.96
Cycloramphidae	<i>Proceratophrys brauni</i>	207,636	47,069	-18.47
Cycloramphidae	<i>Proceratophrys cristiceps</i>	4,356	847	-16.27
Cycloramphidae	<i>Proceratophrys fryi</i>	12,100	0	0
Cycloramphidae	<i>Proceratophrys laticeps</i>	85,063	6,776	-7.37

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Cycloramphidae	<i>Proceratophrys melanopogon</i>	147,015	12,584	-7.88
Cycloramphidae	<i>Proceratophrys moehringi</i>	181,863	47,553	-20.72
Cycloramphidae	<i>Proceratophrys palustris</i>	134,794	78,045	-36.66
Cycloramphidae	<i>Proceratophrys schirchi</i>	86,273	0	0
Cycloramphidae	<i>Proceratophrys subguttata</i>	108,779	11,011	-9.19
Cycloramphidae	<i>Thoropa lutzi</i>	104,181	31,339	-23.12
Cycloramphidae	<i>Thoropa megatympanum</i>	34,969	38,115	52.15
Cycloramphidae	<i>Thoropa miliaris</i>	508,321	74,052	-12.71
Cycloramphidae	<i>Thoropa petropolitana</i>	114,103	28,556	-20.02
Cycloramphidae	<i>Thoropa saxatilis</i>	66,308	3,267	-4.69
Cycloramphidae	<i>Zachaenus parvulus</i>	66,308	43,197	-39.45
Dendrobatidae	<i>Ameerega flavopicta</i>	139,513	112,167	-44.57
Eleutherodactylidae	<i>Adelophryne pachydactyla</i>	35,453	1,694	-4.56
Hemiphractidae	<i>Flectonotus fissilis</i>	287,133	115,071	-28.61
Hemiphractidae	<i>Flectonotus goeldii</i>	196,383	50,094	-20.32
Hemiphractidae	<i>Flectonotus ohausi</i>	162,866	47,190	-22.46
Hemiphractidae	<i>Gastrotheca albolineata</i>	29,282	2,783	-8.67
Hemiphractidae	<i>Gastrotheca ernestoi</i>	204,732	38,599	-15.86
Hemiphractidae	<i>Gastrotheca fissipes</i>	55,902	33,759	-37.65
Hemiphractidae	<i>Gastrotheca fulvorufa</i>	151,734	63,646	-29.55
Hemiphractidae	<i>Gastrotheca microdiscus</i>	277,453	120,879	-30.34
Hy;idae	<i>Hylomantis aspera</i>	18,271	74,536	80.31
Hy;idae	<i>Hylomantis granulosa</i>	44,044	12,463	-22.05
Hy;idae	<i>Hypsiboas albomarginatus</i>	85,668	13,310	-13.44
Hy;idae	<i>Hypsiboas albopunctatus</i>	381,876	207,636	-35.22
Hy;idae	<i>Hypsiboas atlanticus</i>	194,326	11,253	-5.47
Hy;idae	<i>Hypsiboas bischoffi</i>	29,403	3,025	-9.32
Hy;idae	<i>Hypsiboas caingua</i>	183,920	29,282	-13.73
Hy;idae	<i>Hypsiboas cipoensis</i>	46,948	47,311	50.19
Hy;idae	<i>Hypsiboas crepitans</i>	864,545	774,400	-47.24
Hy;idae	<i>Hypsiboas curupi</i>	1127,115	413,941	-26.86
Hy;idae	<i>Hypsiboas cymbalum</i>	16,698	363	-2.12
Hy;idae	<i>Hypsiboas faber</i>	48,642	0	0
Hy;idae	<i>Hypsiboas geographicus</i>	931,337	788,920	-45.86
Hy;idae	<i>Hypsiboas goianus</i>	33,033	45,012	57.67
Hy;idae	<i>Hypsiboas guentheri</i>	145,442	2,662	-1.79
Hy;idae	<i>Hypsiboas joaquini</i>	290,400	24,200	-7.69
Hy;idae	<i>Hypsiboas leptolineatus</i>	164,076	41,019	-20
Hy;idae	<i>Hypsiboas lundii</i>	989,901	637,791	-39.18
Hy;idae	<i>Hypsiboas marginatus</i>	570,031	164,802	-22.42
Hy;idae	<i>Hypsiboas pardalis</i>	584,309	202,554	-25.74
Hy;idae	<i>Hypsiboas polytaenius</i>	83,853	5,929	-6.60
Hy;idae	<i>Hypsiboas pombali</i>	33,517	20,933	-38.44
Hy;idae	<i>Hypsiboas prasinus</i>	585,519	810,216	58.05

Family	Species	Range Size		Contraction/ Expansion (%)
		Present	Future	
Hylidae	Hypsiboas pulchellus	864,787	1088,153	55.71
Hylidae	Hypsiboas punctatus	317,262	78,287	-19.79
Hylidae	Hypsiboas raniceps	338,679	1,936	-0.56
Hylidae	Hypsiboas secedens	125,477	169,521	57.46
Hylidae	Hypsiboas semiguttatus	240,064	45,375	-15.89
Hylidae	Hypsiboas semilineatus	344,245	217,921	-38.76
Hylidae	Aparasphenodon brunoii	420,354	96,558	-18.67
Hylidae	Aplastodiscus albofrenatus	42,471	1,331	-3.038
Hylidae	Aplastodiscus albosignatus	284,955	52,272	-15.50
Hylidae	Aplastodiscus arildae	189,365	51,183	-21.27
Hylidae	Aplastodiscus callipygius	124,388	40,656	-24.63
Hylidae	Aplastodiscus cavicola	704,583	508,200	-41.90
Hylidae	Aplastodiscus cochranae	23,958	5,203	-17.84
Hylidae	Aplastodiscus ehrhardti	209,814	45,133	-17.70
Hylidae	Aplastodiscus eugenioi	53,361	3,630	-6.36
Hylidae	Aplastodiscus flumineus	4,235	242	-5.40
Hylidae	Aplastodiscus ibirapitanga	61,710	45,738	-42.56
Hylidae	Aplastodiscus leucopygius	110,836	1,331	-1.18
Hylidae	Aplastodiscus musicus	66,429	484	-0.72
Hylidae	Aplastodiscus perviridis	164,681	46,222	-21.91
Hylidae	Aplastodiscus sibilatus	15,125	0	0
Hylidae	Bokermannohyla alvarengai	44,407	20,691	-31.78
Hylidae	Bokermannohyla astartea	31,218	1,452	-4.44
Hylidae	Bokermannohyla caramaschii	141,691	38,962	-21.56
Hylidae	Bokermannohyla carvalhoi	57,233	14,157	-19.83
Hylidae	Bokermannohyla circumdata	68,607	4,356	-5.97
Hylidae	Bokermannohyla claresignata	40,777	21,417	-34.43
Hylidae	Bokermannohyla clepsydra	22,869	0	0
Hylidae	Bokermannohyla hylax	34,364	36,542	51.53
Hylidae	Bokermannohyla luctuosa	63,404	0	0
Hylidae	Bokermannohyla martinsi	197,109	35,574	-15.28
Hylidae	Bokermannohyla nanuzae	76,472	11,858	-13.42
Hylidae	Bokermannohyla pseudopseudis	66,066	39,083	-37.16
Hylidae	Bokermannohyla saxicola	152,702	24,321	-13.73
Hylidae	Bokermannohyla sazimai	11,616	968	-7.69
Hylidae	Corythomantis greeningi	82,280	45,133	-35.42
Hylidae	Dendropsophus anceps	106,843	242	-0.22
Hylidae	Dendropsophus baileyi	94,138	26,015	-21.65
Hylidae	Dendropsophus berthaltutzae	164,318	57,596	-25.95
Hylidae	Dendropsophus branneri	587,455	236,797	-28.72
Hylidae	Dendropsophus cruzi	43,318	265,837	85.98
Hylidae	Dendropsophus decipiens	533,126	142,417	-21.08
Hylidae	Dendropsophus dutrai	52,272	24,563	-31.96
Hylidae	Dendropsophus elegans	381,634	151,250	-28.38

Family	Species	Range Size		Contraction/ Expansio (%)
		Present	Future	
Hylidae	Dendropsophus elianeae	225,302	197,472	-46.70
Hylidae	Dendropsophus giesleri	150,282	96,558	-39.11
Hylidae	Dendropsophus haddadi	143,627	19,844	-12.13
Hylidae	Dendropsophus jimi	330,814	83,127	-20.08
Hylidae	Dendropsophus meridianus	154,759	49,368	-24.18
Hylidae	Dendropsophus microps	5,082	121	-2.32
Hylidae	Dendropsophus minutus	64,977	121,121	65.08
Hylidae	Dendropsophus nahdereri	415,272	127,534	-23.49
Hylidae	Dendropsophus nanus	514,976	352,473	-40.63
Hylidae	Dendropsophus oliveirai	265,837	320,529	54.66
Hylidae	Dendropsophus pseudomeridianus	65,824	3,388	-4.89
Hylidae	Dendropsophus rubicundulus	102,124	27,709	-21.34
Hylidae	Dendropsophus sanborni	930,369	706,640	-43.16
Hylidae	Dendropsophus seniculus	91,718	726	-0.78
Hylidae	Dendropsophus soaresi	1319,505	1373,713	51.01
Hylidae	Dendropsophus weneri	158,631	29,282	-15.58
Hylidae	Itapotihyla langsdorffii	593,747	163,592	-21.60
Hylidae	Phasmahyla cochranae	156,816	42,108	-21.17
Hylidae	Phasmahyla exilis	76,230	4,719	-5.83
Hylidae	Phasmahyla guttata	103,334	4,598	-4.26
Hylidae	Phasmahyla jandaia	39,204	32,549	-45.36
Hylidae	Phrynomedusa appendiculata	160,083	98,131	-38.00
Hylidae	Phrynomedusa marginata	41,866	0	0
Hylidae	Phrynomedusa vanzolinii	92,686	21,417	-18.76
Hylidae	Phyllodytes acuminatus	82,038	81,554	-49.85
Hylidae	Phyllodytes edelmoi	71,148	16,214	-18.56
Hylidae	Phyllodytes gyrinaethes	205,458	72,963	-26.20
Hylidae	Phyllodytes kautskyi	64,977	2,299	-3.41
Hylidae	Phyllodytes luteolus	15,972	1,452	-8.33
Hylidae	Phyllodytes maculosus	18,634	1,089	-5.52
Hylidae	Phyllodytes melanomystax	159,478	23,958	-13.06
Hylidae	Phyllodytes wuchereri	30,613	48,763	61.43
Hylidae	Phyllomedusa azurea	58,564	114,829	66.22
Hylidae	Phyllomedusa bahiana	209,330	506,385	70.75
Hylidae	Phyllomedusa burmeisteri	60,863	172,788	73.95
Hylidae	Phyllomedusa distincta	282,656	139,029	-32.96
Hylidae	Phyllomedusa hypochondrialis	258,940	138,061	-34.77
Hylidae	Phyllomedusa iheringii	35,574	0	0
Hylidae	Phyllomedusa itacolomi	1,331	0	0
Hylidae	Phyllomedusa megacephala	15,730	0	0
Hylidae	Phyllomedusa nordestina	595,804	859,705	59.06
Hylidae	Phyllomedusa rohdei	238,491	12,947	-5.15
Hylidae	Phyllomedusa sauvagii	568,942	222,156	-28.08
Hylidae	Phyllomedusa tetraploidea	458,469	278,905	-37.82

Family	Species	Range Size		Contraction/ Expansion (%)
		Present	Future	
Hylidae	<i>Pseudis bolbodactyla</i>	316,657	133,100	-29.59
Hylidae	<i>Pseudis cardosoi</i>	30129	0	0
Hylidae	<i>Pseudis fusca</i>	32,912	50,699	60.63
Hylidae	<i>Pseudis limellum</i>	367,114	583,220	61.37
Hylidae	<i>Pseudis minuta</i>	67,639	0	0
Hylidae	<i>Pseudis paradoxa</i>	255,189	614,680	70.66
Hylidae	<i>Pseudis platensis</i>	386,353	642,752	62.45
Hylidae	<i>Scinax acuminatus</i>	116,886	315,931	72.99
Hylidae	<i>Scinax agilis</i>	58,927	9,317	-13.65
Hylidae	<i>Scinax albicans</i>	123,904	39,809	-24.31
Hylidae	<i>Scinax alter</i>	468,875	192,148	-29.06
Hylidae	<i>Scinax angrensis</i>	57,233	24,563	-30.02
Hylidae	<i>Scinax argyreornatus</i>	325,006	48,884	-13.07
Hylidae	<i>Scinax ariadne</i>	31,944	3,872	-10.81
Hylidae	<i>Scinax atratus</i>	35,453	9,075	-20.38
Hylidae	<i>Scinax auratus</i>	149,798	108,053	-41.90
Hylidae	<i>Scinax berthae</i>	545,347	225,544	-29.25
Hylidae	<i>Scinax brieri</i>	103,576	4,356	-4.03
Hylidae	<i>Scinax caldarum</i>	122,815	53,361	-30.28
Hylidae	<i>Scinax camposseabrai</i>	124,146	3,630	-2.84
Hylidae	<i>Scinax cardosoi</i>	3,872	0	0
Hylidae	<i>Scinax carnevallii</i>	93,049	484	-0.51
Hylidae	<i>Scinax catharinae</i>	232,441	27,588	-10.61
Hylidae	<i>Scinax constrictus</i>	37,873	41,624	52.36
Hylidae	<i>Scinax crospedospilus</i>	104,423	18,876	-15.31
Hylidae	<i>Scinax cuspidatus</i>	320,287	61,952	-16.21
Hylidae	<i>Scinax duartei</i>	129,349	1,573	-1.20
Hylidae	<i>Scinax eurydice</i>	401,236	116,644	-22.52
Hylidae	<i>Scinax flavoguttatus</i>	906,653	642,510	-41.47
Hylidae	<i>Scinax fuscomarginatus</i>	265,958	86,031	-24.44
Hylidae	<i>Scinax fuscovarius</i>	1202,014	801,867	-40.01
Hylidae	<i>Scinax granulatus</i>	366,751	73,810	-16.75
Hylidae	<i>Scinax hayii</i>	303,226	95,832	-24.01
Hylidae	<i>Scinax heyeri</i>	4,961	0	0
Hylidae	<i>Scinax hiemalis</i>	82,885	242	-0.29
Hylidae	<i>Scinax humilis</i>	198,561	58,806	-22.84
Hylidae	<i>Scinax littoralis</i>	47,432	19,965	-29.62
Hylidae	<i>Scinax littoreus</i>	43,802	0	0
Hylidae	<i>Scinax longilineus</i>	116,402	4,114	-3.41
Hylidae	<i>Scinax luizotavioi</i>	127,292	16,335	-11.37
Hylidae	<i>Scinax machadoi</i>	91,597	1,331	-1.43
Hylidae	<i>Scinax maracaya</i>	7,502	0	0
Hylidae	<i>Scinax melloi</i>	59,653	25,047	-29.57
Hylidae	<i>Scinax nasicus</i>	543,048	955,295	63.75

Family	Species	Range Size		Contraction/ Expansion (%)
		Present	Future	
Hylidae	Scinax obtriangulatus	141,691	12,705	-8.22
Hylidae	Scinax pachycrus	420,959	89,540	-17.53
Hylidae	Scinax perereca	89,540	51,546	-36.53
Hylidae	Scinax perpusillus	200,860	41,382	-17.08
Hylidae	Scinax ranki	6,171	2,541	-29.16
Hylidae	Scinax rizibilis	232,078	23,595	-9.22
Hylidae	Scinax similis	107,569	33,154	-23.55
Hylidae	Scinax squalirostris	1069,640	572,088	-34.84
Hylidae	Scinax trapicheiroi	89,782	15,851	-15.00
Hylidae	Scinax uruguayus	204,853	2,299	-1.10
Hylidae	Scinax v-signatus	144,716	71,632	-33.10
Hylidae	Scinax x-signatus	999,218	1060,686	51.49
Hylidae	Sphaenorhynchus caramaschii	256,278	46,585	-15.38
Hylidae	Sphaenorhynchus orophilus	121,121	63,283	-34.31
Hylidae	Sphaenorhynchus palustris	57,959	1,815	-3.03
Hylidae	Sphaenorhynchus pauloalvini	156,574	89,056	-36.25
Hylidae	Sphaenorhynchus planicola	119,306	32,065	-21.18
Hylidae	Sphaenorhynchus prasinus	165,770	5,808	-3.38
Hylidae	Sphaenorhynchus surdus	169,037	484	-0.28
Hylidae	Trachycephalus atlas	434,753	162,987	-27.26
Hylidae	Trachycephalus imitatrix	606,694	234,498	-27.87
Hylidae	Trachycephalus mesophaeus	381,029	37,752	-9.01
Hylidae	Trachycephalus nigromaculatus	21,417	3,146	-12.80
Hylidae	Trachycephalus venulosus	737,374	848,331	53.49
Hylidae	Xenohyla eugenioi	49,973	54,329	52.08
Hylidae	Xenohyla truncata	54,934	1,815	-3.19
Hylodidae	Crossodactylodes bokermanni	16,940	0	0
Hylodidae	Crossodactylus aeneus	173,756	43,076	-19.86
Hylodidae	Crossodactylus caramaschii	90,750	5,808	-6.01
Hylodidae	Crossodactylus cyclospinus	5,566	7,018	55.76
Hylodidae	Crossodactylus dispar	100,188	14,641	-12.75
Hylodidae	Crossodactylus gaudichaudii	211,024	43,802	-17.18
Hylodidae	Crossodactylus grandis	3,388	0	0
Hylodidae	Crossodactylus schmidti	89,903	16,940	-15.85
Hylodidae	Hylodes asper	45,496	0	0
Hylodidae	Hylodes babax	177,386	49,973	-21.97
Hylodidae	Hylodes charadranaetes	7,865	0	0
Hylodidae	Hylodes dactylocinus	63,646	22,748	-26.33
Hylodidae	Hylodes heyeri	5,082	0	0
Hylodidae	Hylodes lateristrigatus	57,717	86,999	60.11
Hylodidae	Hylodes magalhaesi	225,665	61,710	-21.47
Hylodidae	Hylodes meridionalis	7,744	363	-4.47
Hylodidae	Hylodes mertensi	5,566	2,420	-30.30
Hylodidae	Hylodes nasus	260,150	64,009	-19.74

Family	Species	Range Size		Contraction/ Expansion (%)
		Present	Future	
Hylodidae	Hylodes ornatus	49,489	1,089	-2.15
Hylodidae	Hylodes otavioi	3,751	121	-3.12
Hylodidae	Hylodes perplicatus	92,686	19,360	-17.27
Hylodidae	Hylodes phyllodes	106,359	16,698	-13.56
Hylodidae	Hylodes regius	21,296	0	0
Hylodidae	Hylodes sazimai	40,535	484	-1.17
Hylodidae	Hylodes uai	31,944	0	0
Hylodidae	Megaelosia goeldii	110,957	47,553	-30
Hylodidae	Megaelosia massarti	3,388	242	-6.66
Leiuperidae	Eupemphix nattereri	548,977	468,391	-46.04
Leiuperidae	Physalaemus aguirrei	113,256	88,572	-43.88
Leiuperidae	Physalaemus albifrons	32,912	3,630	-9.93
Leiuperidae	Physalaemus albonotatus	198,198	0	0
Leiuperidae	Physalaemus barrioi	360,217	48,884	-11.94
Leiuperidae	Physalaemus biligonigerus	16,214	0	0
Leiuperidae	Physalaemus caete	41,382	2,178	-5
Leiuperidae	Physalaemus centralis	2,420	0	0
Leiuperidae	Physalaemus cicada	1334,146	1382,062	50.88
Leiuperidae	Physalaemus crombiei	150,645	13,552	-8.25
Leiuperidae	Physalaemus cuvieri	24,563	13,794	-35.96
Leiuperidae	Physalaemus deimaticus	443,223	422,774	-48.82
Leiuperidae	Physalaemus erikae	11,495	0	0
Leiuperidae	Physalaemus evangelistai	421,080	536,635	56.03
Leiuperidae	Physalaemus gracilis	15,246	0	0
Leiuperidae	Physalaemus henselii	163,471	470,569	74.21
Leiuperidae	Physalaemus jordanensis	128,260	48,521	-27.44
Leiuperidae	Physalaemus kroyeri	101,882	17,182	-14.43
Leiuperidae	Physalaemus lisei	158,994	5,808	-3.52
Leiuperidae	Physalaemus maculiventris	312,059	57,112	-15.47
Leiuperidae	Physalaemus marmoratus	96,437	126,687	56.77
Leiuperidae	Physalaemus maximus	143,627	10,164	-6.61
Leiuperidae	Physalaemus moreirae	25,894	3,630	-12.29
Leiuperidae	Physalaemus nanus	13,552	0	0
Leiuperidae	Physalaemus obtectus	642,510	316,052	-32.97
Leiuperidae	Physalaemus olfersii	242,484	29,887	-10.97
Leiuperidae	Physalaemus riograndensis	164,681	1,210	-0.73
Leiuperidae	Physalaemus signifer	232,078	61,952	-21.07
Leiuperidae	Pleurodema bibroni	181,016	0	0
Leiuperidae	Pleurodema diplolister	214,896	149,919	-41.09
Leiuperidae	Pseudopaludicola falcipes	932,184	358,644	-27.78
Leiuperidae	Pseudopaludicola mineira	660,176	109,989	-14.28
Leiuperidae	Pseudopaludicola mystacalis	40,656	198,440	82.99
Leiuperidae	Pseudopaludicola saltica	367,477	208,241	-36.17
Leptodactylidae	Leptodactylus araucaria	1344,552	1382,183	50.69

Family	Species	Range Size		Contraction/ Expansion (%)
		Present	Future	
Leptodactylidae	<i>Leptodactylus bokermanni</i>	306,493	8,954	-2.83
Leptodactylidae	<i>Leptodactylus bufonius</i>	297,297	472,989	61.40
Leptodactylidae	<i>Leptodactylus caatingae</i>	98,736	15,367	-13.46
Leptodactylidae	<i>Leptodactylus camaquara</i>	1200,320	769,681	-39.07
Leptodactylidae	<i>Leptodactylus chaquensis</i>	107,085	57,233	-34.83
Leptodactylidae	<i>Leptodactylus cunicularius</i>	11,979	5,566	-31.72
Leptodactylidae	<i>Leptodactylus diptyx</i>	304,678	47,190	-13.41
Leptodactylidae	<i>Leptodactylus elenae</i>	21,659	13,068	-37.63
Leptodactylidae	<i>Leptodactylus flavopictus</i>	675,422	851,598	55.76
Leptodactylidae	<i>Leptodactylus furnarius</i>	5,324	0	0
Leptodactylidae	<i>Leptodactylus fuscus</i>	133,705	386,716	74.30
Leptodactylidae	<i>Leptodactylus gracilis</i>	452,661	96,316	-17.54
Leptodactylidae	<i>Leptodactylus hylaedactylus</i>	1369,115	1386,781	50.32
Leptodactylidae	<i>Leptodactylus jolyi</i>	427,493	321,860	-42.95
Leptodactylidae	<i>Leptodactylus labyrinthicus</i>	155,727	65,219	-29.51
Leptodactylidae	<i>Leptodactylus latinasus</i>	189,123	529,980	73.70
Leptodactylidae	<i>Leptodactylus marmoratus</i>	149,919	410,674	73.25
Leptodactylidae	<i>Leptodactylus martinezi</i>	125,235	5,929	-4.52
Leptodactylidae	<i>Leptodactylus mystaceus</i>	120,153	358,281	74.88
Leptodactylidae	<i>Leptodactylus mystacinus</i>	36,663	29,887	-44.90
Leptodactylidae	<i>Leptodactylus nanus</i>	20,570	0	0
Leptodactylidae	<i>Leptodactylus natalensis</i>	3,630	208,120	98.28
Leptodactylidae	<i>Leptodactylus notoaktites</i>	306,977	45,980	-13.02
Leptodactylidae	<i>Leptodactylus ocellatus</i>	36,058	4,961	-12.09
Leptodactylidae	<i>Leptodactylus plaumanni</i>	69,212	349,690	83.48
Leptodactylidae	<i>Leptodactylus podicipinus</i>	222,156	498,278	69.16
Leptodactylidae	<i>Leptodactylus pustulatus</i>	23,837	17,545	-42.39
Leptodactylidae	<i>Leptodactylus sertanejo</i>	534,457	355,619	-39.95
Leptodactylidae	<i>Leptodactylus spixi</i>	474,925	226,633	-32.30
Leptodactylidae	<i>Leptodactylus syphax</i>	165,044	218,042	56.91
Leptodactylidae	<i>Leptodactylus thomei</i>	4,719	17,666	78.91
Leptodactylidae	<i>Leptodactylus troglodytes</i>	501,424	799,084	61.44
Leptodactylidae	<i>Leptodactylus vastus</i>	278,300	18,876	-6.35
Leptodactylidae	<i>Leptodactylus viridis</i>	32,186	6,655	-17.13
Leptodactylidae	<i>Paratelmatoobius cardosoi</i>	3,751	1,210	-24.39
Leptodactylidae	<i>Paratelmatoobius poecilogaster</i>	4,719	1,089	-18.75
Leptodactylidae	<i>Scythrophrys sawayae</i>	104,060	0	0
Microhylidae	<i>Arcovomer passarellii</i>	121,484	112,288	-48.03
Microhylidae	<i>Chiasmocleis albopunctata</i>	210,540	10,648	-4.814
Microhylidae	<i>Chiasmocleis atlantica</i>	2,420	1,210	-33.33
Microhylidae	<i>Chiasmocleis capixaba</i>	106,722	19,602	-15.52
Microhylidae	<i>Chiasmocleis carvalhoi</i>	53,603	3,025	-5.34
Microhylidae	<i>Chiasmocleis centralis</i>	106,117	29,040	-21.48
Microhylidae	<i>Chiasmocleis leucosticta</i>	345,697	440,803	56.05

Family	Species	Range Size		Contraction/ Expansion (%)
		Present	Future	
Microhylidae	Chiasmocleis schubarti	144,111	11,979	-7.67
Microhylidae	Dasypops schirchi	29,887	121	-0.40
Microhylidae	Dermatonotus muelleri	679,415	350,779	-34.04
Microhylidae	Elachistocleis bicolor	5,203	0	0
Microhylidae	Elachistocleis erythrogaster	472,384	112,651	-19.26
Microhylidae	Elachistocleis ovalis	935,814	1252,350	57.23
Microhylidae	Myersiella microps	192,632	88,935	-31.58
Microhylidae	Stereocyclops incrassatus	266,200	35,816	-11.85
Microhylidae	Stereocyclops parkeri	75,988	16,577	-17.90
Pipidae	Pipa carvalhoi	251,801	64,614	-20.42
Ranidae	Lithobates catesbeianus	319,319	45,375	-12.44
Ranidae	Lithobates palmipes	65,582	16,940	-20.52
Strabomantidae	Barycholos ternetzi	51,062	79,860	60.99
Strabomantidae	Euparkerella brasiliensis	106,238	36,905	-25.78
Strabomantidae	Euparkerella cochranae	121,000	31,097	-20.44
Strabomantidae	Holoaden bradei	9,196	0	0
Strabomantidae	Holoaden luederwaldti	73,447	4,719	-6.03
Strabomantidae	Ischnocnema bilineata	94,864	43,923	-31.64
Strabomantidae	Ischnocnema bolbodactyla	446,732	176,539	-28.32
Strabomantidae	Ischnocnema erythromera	104,060	12,705	-10.88
Strabomantidae	Ischnocnema gualteri	288,222	170,126	-37.11
Strabomantidae	Ischnocnema guentheri	260,876	254,463	-49.37
Strabomantidae	Ischnocnema henselii	30,371	0	0
Strabomantidae	Ischnocnema hoehnei	83,732	14,278	-14.56
Strabomantidae	Ischnocnema izecksohni	266,684	28,798	-9.74
Strabomantidae	Ischnocnema juipoca	499,972	52,151	-9.44
Strabomantidae	Ischnocnema lactea	42,229	15,730	-27.13
Strabomantidae	Ischnocnema manezinho	90,024	9,680	-9.71
Strabomantidae	Ischnocnema nasuta	96,195	23,595	-19.69
Strabomantidae	Ischnocnema octavioi	70,906	8,712	-10.94
Strabomantidae	Ischnocnema parva	138,908	44,649	-24.32
Strabomantidae	Ischnocnema paulodutraii	93,533	37,510	-28.62
Strabomantidae	Ischnocnema penaxavantinho	15,730	605	-3.70
Strabomantidae	Ischnocnema pusilla	165,528	74,778	-31.11
Strabomantidae	Ischnocnema ramagii	19,239	0	0
Strabomantidae	Ischnocnema spanios	54,087	48,884	-47.47
Strabomantidae	Ischnocnema venancioi	79,376	72,116	-47.60
Strabomantidae	Ischnocnema verrucosa	230,868	60,863	-20.86
Strabomantidae	Ischnocnema vinhai	82,764	79,981	-49.14