

**Supplementary Material**

**Kolbe et al. Multiple Sources, Admixture, and Genetic Variation in Introduced *Anolis* Lizard Populations**

**Table S1.** *Anolis* species sampled for phylogenetic analyses including individuals from both native and introduced ranges (*A. sagrei* data are from Kolbe et al. 2004).

Introduced Species	Native Range	Introduced Range	Number of populations – Native	Number of individuals – Native	Number of haplotypes – Native	Number of populations – Intro	Number of individuals – Intro	Number of haplotypes – Intro
<i>A. chlorocyanus</i>	Hispaniola	Florida	26	87	70	1	5	4
<i>A. cristatellus</i>	Puerto Rico	Florida Dom. Rep.	37	167	138	2 1	23 7	5 3
<i>A. cybotes</i>	Hispaniola	Florida	48	124	106	2	13	6
<i>A. distichus</i>	Hispaniola Bahamas	Florida	16	20	20	6	31	13
<i>A. equestris</i>	Cuba	Florida	12	17	14	4	15	6
<i>A. garmani</i>	Jamaica	Florida	18	26	25	1	10	5
<i>A. porcatus</i>	Cuba	Florida Dom. Rep.	20	69	61	3 1	14 4	14 1
<i>A. sagrei</i> <sup>a</sup>	Cuba Bahamas Caymans Mexico Belize	Florida	71	320	257	59(9)	289(39)	56(15)
<b>Total</b>			248	830	691	80	411	113

<sup>a</sup> Numbers in parentheses for *A. sagrei* indicate the sampling and mtDNA haplotype results for the 9 Miami populations only.

**Table S2.** Introduction history for 8 *Anolis* species in Miami, Florida and the Dominican Republic.

Introduced species	Introductions	Year of introduction	Mode and intent of introduction	References*
<i>A. chlorocyanus</i>	Florida	1987	Intentional release or escape of pets	1
<i>A. cristatellus</i>	Florida – Key Biscayne	1975	Intentional or accidental produce/plant shipments	2-3
	Florida – Red Road	1976	Intentional or accidental produce/plant shipments	3-4
	Dominican Republic	1910-20, 1956	Possible accidental introduction by Puerto Rican sugar cane company	5-7
<i>A. cybotes</i>	Florida – Dade Co.	1967	Intentional release	8
	Florida – Broward Co.	< 1991	Escape of pets	1
<i>A. distichus</i>	Florida	1946	Intentional and accidental by shipping	9-10
<i>A. equestris</i>	Florida – Coral Gables	1952	Intentional release	10-11
	Florida – Key Biscayne	1972	Unknown	12
<i>A. garmani</i>	Florida – South Miami	< 1975	Intentional release	4, 13-14
<i>A. porcatius</i>	Florida	1987-91	Unknown	15
	Dominican Republic	< 1970	Possible accidental introduction at 1955 World's Fair	6
<i>A. sagrei</i>	Florida – Lake Worth	1941	Intentional release from the Bahamas	16
	Florida – Coral Gables	1952	Unknown	17
	Florida – Palm Beach	1959-60	Accidental by shipping	10, 18
	Florida – Port Everglades	1964	Accidental by shipping	10

\*Key: 1. Butterfield et al. 1994; 2. Schwartz & Thomas 1975; 3. Bartlett & Bartlett 1999; 4. Wilson & Porras 1983; 5. Grant 1956; 6. Williams 1977; 7. Zani et al. 1993; 8. Ober 1973; 9. Smith & McCauley 1948; 10. King & Krakauer 1966; 11. Neill 1957; 12. Dalrymple 1980; 13. Butterfield et al. 1997; 14. M. Cooper, personal communication; 15. Meshaka et al. 1997; 16. Oliver 1950; 17. Willis 1953; 18. King 1960; also see Lever 2003; Meshaka et al. 2004.

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**Appendix S1.** Previously published sequences from Genbank including focal taxa, closely related species, and outgroups (Field # abbreviations are as follows: BWMC=Bobby Whitcher Memorial Collection, Avila University; GLOR=Richard E. Glor; JBL=Jonathan B. Losos; JJK=Jason J. Kolbe; LEAL=Manuel Leal; RT=Richard Thomas; REG=Richard E. Glor; SBH=S. Blair Hedges; USNM= United States Natural History Museum). Field numbers for some Genbank submissions were unavailable.

<b>Species</b>	<b>Field #</b>	<b>Genbank #</b>
A. aliniger	JBL AL2	EF531488
A. aliniger	SBH193348	EF531485
A. aliniger	SBH193350	EF531486
A. allisoni	GLOR2243	AY654105
A. allisoni	GLOR2244	AY654106
A. allisoni	GLOR2245	AY654107
A. allisoni	GLOR2246	AY654108
A. allisoni	GLOR2247	AY654109
A. allisoni	GLOR2324	AY654110
A. allisoni	GLOR2348	AY654111
A. allisoni	GLOR2349	AY654112
A. allisoni	GLOR2350	AY654117
A. allisoni	GLOR2933	AY654118
A. allisoni	GLOR2934, GLOR2937, GLOR2924, GLOR2925	AY654119
A. allisoni	GLOR2935	AY654123
A. allisoni	GLOR2936	AY654124
A. allisoni	GLOR2881, GLOR2868, GLOR2869, GLOR2870, GLOR2871	AY654125
A. allisoni	GLOR2964	AY654130
A. allisoni	GLOR2965, GLOR2966, GLOR2968	AY654131
A. allisoni	GLOR2967	AY654134
A. allisoni	GLOR2855	AY654135
A. allisoni	GLOR2856	AY654136
A. allisoni	GLOR2852, GLOR2854	AY654137
A. allisoni	GLOR2853	AY654139
A. allisoni	GLOR2360	AY654140
A. allisoni	GLOR2361	AY654141
A. allisoni	GLOR2362	AY654142
A. allisoni	GLOR2363	AY654143
A. allisoni	GLOR2364, GLOR2377	AY654144
A. allisoni	GLOR2378	AY654146
A. allisoni	GLOR2379	AY654147
A. allisoni	GLOR2380	AY654148

A. allisoni	GLOR2381	AY654149
A. allisoni	GLOR2382	AY654150
A. allisoni	GLOR2388	AY654151
A. allisoni	GLOR2389	AY654152
A. allisoni	GLOR2390	AY654153
A. allisoni	GLOR2391	AY654154
A. allisoni	GLOR2392	AY654155
A. allisoni	GLOR2844	AY654156
A. allisoni	GLOR2412	AY654157
A. allisoni	GLOR2413, GLOR2415	AY654158
A. allisoni	GLOR2414	AY654160
A. allisoni	GLOR2416	AY654161
A. allisoni	GLOR2434	AY654162
A. allisoni	GLOR 2435	AY654163
A. allisoni	GLOR2436	AY654164
A. allisoni	GLOR 2437	AY654165
A. allisoni	GLOR2438	AY654166
A. allisoni	GLOR2468	AY654167
A. allisoni	GLOR2469	AY654168
A. allisoni	GLOR2470	AY654169
A. allisoni	GLOR2471	AY654170
A. allisoni	GLOR2472	AY654171
A. allisoni	GLOR2816	AY654172
A. allisoni	GLOR2818	AY654173
A. allisoni	GLOR2819, GLOR2821	AY654174
A. allisoni	GLOR2820	AY654176
A. allisoni	GLOR2793	AY654177
A. allisoni	GLOR2795	AY654178
A. allisoni	GLOR2796	AY654179
A. allisoni	GLOR2797	AY654180
A. allisoni	GLOR2567	AY654181
A. allisoni	GLOR2568	AY654182
A. allisoni	GLOR2569	AY654183
A. allisoni	GLOR2570	AY654184
A. allisoni	GLOR2571	AY654185
A. allisoni	GLOR2601	AY654186
A. allisoni	GLOR2603	AY654187
A. allisoni	GLOR2604	AY654188
A. allisoni	GLOR2505, GLOR2507	AY654189
A. allisoni	GLOR2506	AY654191
A. allisoni	GLOR2508	AY654192
A. allisoni	GLOR2509	AY654193
A. allisoni	GLOR2489	AY654194
A. allisoni	GLOR2490	AY654195
A. allisoni	GLOR2491	AY654196

<i>A. allisoni</i>	GLOR2492	AY654197
<i>A. allisoni</i>	GLOR2493	AY654198
<i>A. allisoni</i>		AY902435
<i>A. allisoni</i> x <i>porcatus</i>	GLOR2767, GLOR2768, GLOR2770	AY654095
<i>A. allisoni</i> x <i>porcatus</i>	GLOR2769	AY654098
<i>A. allisoni</i> x <i>porcatus</i>	GLOR2771	AY654099
<i>A. allisoni</i> x <i>porcatus</i>	GLOR2739, GLOR2744	AY654100
<i>A. allisoni</i> x <i>porcatus</i>	GLOR2740	AY654102
<i>A. allisoni</i> x <i>porcatus</i>	GLOR2743	AY654103
<i>A. allisoni</i> x <i>porcatus</i>	GLOR2745	AY654104
<i>A. altitudinalis</i>	USNM190514	AY654023
<i>A. armouri</i>	REG527	AY263011
<i>A. armouri</i>	REG523	AY263012
<i>A. armouri</i>	REG644	AY263013
<i>A. armouri</i>	REG645	AY263014
<i>A. armouri</i>	REG646	AY263015
<i>A. bahorucoensis</i>	Outgroup	AF055932
<i>A. baracoae</i>		AY296156
<i>A. bimaculatus</i>	Outgroup	AF055930
<i>A. breslini</i>	SBH194602	AY263019
<i>A. brevirostris</i>		AF055953
<i>A. brevirostris</i>		AY296158
<i>A. brunneus</i>	USNM549478	AY902412
<i>A. brunneus</i>	USNM548475	AY902413
<i>A. brunneus</i>	USNM548476	AY902414
<i>A. brunneus</i>	USNM549506	AY902415
<i>A. brunneus</i>	USNM549508	AY902416
<i>A. carolinensis</i>	JBL671	AY902425
<i>A. carolinensis</i>	JBL982	AY902426
<i>A. carolinensis</i>	JBL984	AY902427
<i>A. carolinensis</i>	JJK395	AY902428
<i>A. carolinensis</i>	JJK480	AY902429
<i>A. carolinensis</i>	JJK566	AY902430
<i>A. carolinensis</i>	JJK567	AY902431
<i>A. carolinensis</i>	JJK587	AY902432
<i>A. carolinensis</i>	JJK588	AY902433
<i>A. carolinensis</i>	JJK634	AY902434
<i>A. caudalis</i>		AY296161
<i>A. chlorocyanus</i>	Outgroup	AY296163
<i>A. chlorocyanus</i>	SBH194571	EF531489
<i>A. chlorocyanus</i>	GLOR556, GLOR557	EF531490
<i>A. chlorocyanus</i>	GLOR558	EF531492
<i>A. chlorocyanus</i>	GLOR1497, GLOR1498	EF531494
<i>A. chlorocyanus</i>	GLOR1512, GLOR1513	EF531495



A. chlorocyanus	GLOR1191, GLOR1192, GLOR1194, GLOR1195	EF531497
A. chlorocyanus	GLOR1193	EF531501
A. chlorocyanus	GLOR732	EF531502
A. chlorocyanus	GLOR764	EF531503
A. chlorocyanus	GLOR765	EF531504
A. chlorocyanus	GLOR780	EF531505
A. chlorocyanus	GLOR705	EF531506
A. chlorocyanus	GLOR746	EF531507
A. chlorocyanus	GLOR1171	EF531508
A. chlorocyanus	GLOR1172	EF531509
A. chlorocyanus	GLOR1173	EF531510
A. chlorocyanus	GLOR1174	EF531511
A. chlorocyanus	GLOR781, GLOR1159	EF531512
A. chlorocyanus	GLOR1160	EF531514
A. chlorocyanus	GLOR1161	EF531515
A. chlorocyanus	GLOR1162, GLOR1163	EF531516
A. chlorocyanus	GLOR1087	EF531518
A. chlorocyanus	GLOR1130	EF531519
A. chlorocyanus	GLOR1131	EF531520
A. chlorocyanus	GLOR1132	EF531521
A. chlorocyanus	GLOR1133	EF531522
A. chlorocyanus	GLOR1134	EF531523
A. chlorocyanus	GLOR841	EF531524
A. chlorocyanus	GLOR845	EF531525
A. chlorocyanus	GLOR1305	EF531526
A. chlorocyanus	GLOR1302	EF531529
A. chlorocyanus	GLOR1303, GLOR1304	EF531527
A. chlorocyanus	GLOR1306	EF531530
A. chlorocyanus	GLOR1285	EF531531
A. chlorocyanus	GLOR1286	EF531532
A. chlorocyanus	GLOR1293	EF531533
A. chlorocyanus	GLOR1294	EF531534
A. chlorocyanus	GLOR1482	EF531536
A. chlorocyanus	GLOR1484	EF531537
A. chlorocyanus	GLOR1485	EF531538
A. chlorocyanus	GLOR1486	EF531543
A. chlorocyanus	GLOR1323, GLOR1324, GLOR1327	EF531539
A. chlorocyanus	GLOR1325	EF531542
A. chlorocyanus	GLOR848	EF531524
A. chlorocyanus	GLOR603	EF531544
A. chlorocyanus	GLOR1338	EF531545
A. chlorocyanus	GLOR1339, GLOR1341	EF531546
A. chlorocyanus	GLOR1340	EF531548

<i>A. chlorocyanus</i>	GLOR1342	EF531549
<i>A. chlorocyanus</i>	GLOR656, GLOR1358, GLOR1355, GLOR1356	EF531550
<i>A. chlorocyanus</i>	GLOR1357	EF531554
<i>A. chlorocyanus</i>	GLOR594	EF531555
<i>A. chlorocyanus</i>	GLOR1360	EF531556
<i>A. chlorocyanus</i>	GLOR1361	EF531557
<i>A. chlorocyanus</i>	GLOR1362	EF531558
<i>A. chlorocyanus</i>	GLOR1363, GLOR1364	EF531559
<i>A. chlorocyanus</i>	GLOR1333	EF531561
<i>A. chlorocyanus</i>	GLOR1257	EF531562
<i>A. chlorocyanus</i>	GLOR1261	EF531563
<i>A. chlorocyanus</i>	GLOR1258, GLOR1260	EF531564
<i>A. chlorocyanus</i>	GLOR1259	EF531566
<i>A. chlorocyanus</i>	GLOR1488	EF531567
<i>A. chlorocyanus</i>	GLOR1489	EF531568
<i>A. chlorocyanus</i>	GLOR1490	EF531569
<i>A. chlorocyanus</i>	GLOR1491	EF531570
<i>A. chlorocyanus</i>	GLOR1101	EF531571
<i>A. chlorocyanus</i>	GLOR1102	EF531572
<i>A. chlorocyanus</i>	GLOR1103	EF531573
<i>A. chlorocyanus</i>	GLOR1104	EF531574
<i>A. chlorocyanus</i>	GLOR1105	EF531575
<i>A. coelestinus</i>	SBH192040	EF531473
<i>A. coelestinus</i>	SBH103638	EF531474
<i>A. coelestinus</i>	GLOR613	EF531470
<i>A. coelestinus</i>	GLOR614	EF531471
<i>A. coelestinus</i>	SBH102700	EF531472
<i>A. cooki</i>	Outgroup	AY909747
<i>A. cristatellus</i>	Outgroup	AY263003
<i>A. cristatellus</i>	RT13020	EF531341
<i>A. cristatellus</i>	RT12095	EF531383
<i>A. cristatellus</i>	GLOR1884	EF531384
<i>A. cristatellus</i>	GLOR1885	EF531385
<i>A. cristatellus</i>	GLOR1886	EF531386
<i>A. cristatellus</i>	GLOR1887	EF531387
<i>A. cristatellus</i>	GLOR1888	EF531388
<i>A. cristatellus</i>	GLOR1890	EF531390
<i>A. cristatellus</i>	RT13016	EF531355
<i>A. cristatellus</i>	RT13017	EF531356
<i>A. cristatellus</i>	GLOR1956	EF531357
<i>A. cristatellus</i>	GLOR1957	EF531358
<i>A. cristatellus</i>	GLOR1958	EF531359
<i>A. cristatellus</i>	RT13013	EF531344
<i>A. cristatellus</i>	RT13014	EF531343

A. cristatellus	RT13504	EF531345
A. cristatellus	RT13505	EF531346
A. cristatellus	GLOR1941	EF531347
A. cristatellus	GLOR1942	EF531348
A. cristatellus	GLOR1943	EF531349
A. cristatellus	RT13010	EF531360
A. cristatellus	RT13011	EF531361
A. cristatellus	GLOR1967	EF531362
A. cristatellus	GLOR1970	EF531363
A. cristatellus	RT13003	EF531426
A. cristatellus	RT13496	EF531427
A. cristatellus	GLOR2062	EF531430
A. cristatellus	GLOR2063	EF531429
A. cristatellus	GLOR2064	EF531431
A. cristatellus	GLOR2065	EF531428
A. cristatellus	GLOR2066	EF531433
A. cristatellus	GLOR2067	EF531434
A. cristatellus	GLOR2068	EF531432
A. cristatellus	GLOR1977	EF531365
A. cristatellus	GLOR1978	EF531366
A. cristatellus	GLOR1979	EF531367
A. cristatellus	RT13007	EF531364
A. cristatellus	RT13008	EF531368
A. cristatellus	RT13004	EF531369
A. cristatellus	RT13005	EF531370
A. cristatellus	GLOR1997	EF531371
A. cristatellus	GLOR1998	EF531372
A. cristatellus	GLOR1999	EF531373
A. cristatellus	LEAL6	EF531382
A. cristatellus	RT13493	EF531379
A. cristatellus	RT13494	EF531380
A. cristatellus	RT13495	EF531381
A. cristatellus	RT13498	EF531435
A. cristatellus	RT13499	EF531436
A. cristatellus	GLOR2069	EF531438
A. cristatellus	GLOR2070	EF531439
A. cristatellus	RT13001	EF531440
A. cristatellus	RT13002	EF531437
A. cristatellus	GLOR2089	EF531446
A. cristatellus	GLOR2090	EF531447
A. cristatellus	GLOR2091	EF531448
A. cristatellus	GLOR2093	EF531449
A. cristatellus	RT12098	EF531442
A. cristatellus	RT12099	EF531441
A. cristatellus	GLOR2111	EF531443

A. cristatellus	GLOR2112	EF531444
A. cristatellus	GLOR2113	EF531445
A. cristatellus	LEAL1	EF531450
A. cristatellus	GLOR2137	EF531451
A. cristatellus	GLOR2138	EF531452
A. cristatellus	GLOR2132	EF531453
A. cristatellus	GLOR2133	EF531454
A. cristatellus	GLOR2134	EF531455
A. cristatellus	GLOR2135	EF531456
A. cristatellus	GLOR2136	EF531457
A. cristatellus	LEALGII	EF531374
A. cristatellus	LEALH	EF531375
A. cristatellus	GLOR2004	EF531376
A. cristatellus	GLOR2005	EF531377
A. cristatellus	GLOR2006	EF531378
A. cristatellus	RT13035	EF531410
A. cristatellus	RT13036	EF531411
A. cristatellus	RT13032	EF531342
A. cristatellus	RT13041	EF531412
A. cristatellus	RT13042	EF531413
A. cristatellus	RT13043	EF531414
A. cristatellus	RT13044	EF531415
A. cristatellus	RT13039	EF531417
A. cristatellus	GLOR1850	EF531418
A. cristatellus	GLOR1856	EF531419
A. cristatellus	GLOR1857	EF531420
A. cristatellus	RT13045	EF531400
A. cristatellus	RT13046	EF531404
A. cristatellus	GLOR1861	EF531405
A. cristatellus	GLOR1862	EF531406
A. cristatellus	GLOR1863	EF531407
A. cristatellus	GLOR1864	EF531408
A. cristatellus	GLOR1865	EF531401
A. cristatellus	GLOR1866	EF531402
A. cristatellus	GLOR1867	EF531409
A. cristatellus	GLOR1868	EF531403
A. cristatellus	RT13024	EF531390
A. cristatellus	GLOR1903	EF531391
A. cristatellus	GLOR1905	EF531392
A. cristatellus	GLOR1906	EF531394
A. cristatellus	GLOR1907	EF531393
A. cristatellus	GLOR1908	EF531395
A. cristatellus	GLOR1910	EF531396
A. cristatellus	GLOR1921	EF531422
A. cristatellus	GLOR1922	EF531423

A. cristatellus	GLOR1923	EF531424
A. cristatellus	RT13029	EF531421
A. cristatellus	RT13030	EF531425
A. cristatellus	RT13027	EF531463
A. cristatellus	RT13028	EF531464
A. cristatellus	GLOR2100	EF531465
A. cristatellus	RT12096	EF531466
A. cristatellus	RT13021	EF531467
A. cristatellus	GLOR2119	EF531468
A. cristatellus	GLOR2120	EF531469
A. cristatellus	GLOR2170	EF531459
A. cristatellus	GLOR2171	EF531460
A. cristatellus	GLOR2172	EF531461
A. cristatellus	RT13025	EF531458
A. cristatellus	RT13026	EF531462
A. cristatellus	GLOR2145	EF531350
A. cristatellus	GLOR2146	EF531351
A. cristatellus	GLOR2147	EF531352
A. cristatellus	GLOR2148	EF531353
A. cristatellus	GLOR2149	EF531354
A. cristatellus	GLOR1933	EF531397
A. cristatellus	GLOR1935	EF531399
A. cybotes	REG427	AY263043
A. cybotes	REG818, REG819, REG820	AY263044
A. cybotes	REG821	AY263046
A. cybotes	BWMC6560, BWMC6565	AY263052
A. cybotes	BWMC6561	AY263048
A. cybotes	BWMC6562	AY263049
A. cybotes	BWMC6563	AY263050
A. cybotes	REG713	AY263053
A. cybotes	REG714	AY263054
A. cybotes	REG715	AY263055
A. cybotes	REG716	AY263056
A. cybotes	REG717	AY263057
A. cybotes	BWMC6571, BWMC6573	AY263058
A. cybotes	BWMC6572, BWMC6574	AY263059
A. cybotes	BWMC6576	AY263062
A. cybotes	REG784	AY263063
A. cybotes	REG785	AY263064
A. cybotes	REG786	AY263065
A. cybotes	REG787	AY263066

A. cybotes	REG788	AY263067
A. cybotes	BWMC6578	AY263068
A. cybotes	BWMC6566	AY263069
A. cybotes	BWMC6567	AY263070
A. cybotes	BWMC6569	AY263071
A. cybotes	BWMC6570	AY263072
A. cybotes	REG1492	AY263073
A. cybotes	REG847	AY263074
A. cybotes	REG218	AY263075
A. cybotes	REG723	AY263076
A. cybotes	REG729	AY263077
A. cybotes	REG730	AY263078
A. cybotes	REG731	AY263079
A. cybotes	REG739	AY263080
A. cybotes	REG741	AY263081
A. cybotes	REG742	AY263082
A. cybotes	REG743	AY263083
A. cybotes	REG744	AY263084
A. cybotes	REG745	AY263085
A. cybotes	REG836	AY263086
A. cybotes	REG843	AY263087
A. cybotes	REG1309, REG1311	AY263088
A. cybotes	REG1310	AY263089
A. cybotes	REG1312	AY263091
A. cybotes	BWMC6243	AY263092
A. cybotes	SBH161505	AY263093
A. cybotes	BWMC6249	AY263094
A. cybotes	BWMC6250	AY263095
A. cybotes	BWMC6251	AY263096
A. cybotes	REG708	AY263104
A. cybotes	REG679	AY263098
A. cybotes	REG681	AY263097
A. cybotes	REG698	AY263099
A. cybotes	REG699	AY263100
A. cybotes	REG700	AY263101
A. cybotes	REG701	AY263102
A. cybotes	REG702	AY263103
A. cybotes	REG650, REG652	AY263110
A. cybotes	REG653	AY263112
A. cybotes	REG649, REG654, REG655	AY263113
A. cybotes	REG658	AY263105
A. cybotes	REG1366, REG1368	AY263106
A. cybotes	REG1367	AY263107
A. cybotes	REG1369	AY263109

<i>A. cybotes</i>	SBH192416	AY263118
<i>A. cybotes</i>	SBH191709	AY263117
<i>A. cybotes</i>	REG632	AY263115
<i>A. cybotes</i>	BWMC6040	AY263141
<i>A. cybotes</i>	BWMC6055	AY263142
<i>A. cybotes</i>	REG792, REG794	AY263127
<i>A. cybotes</i>	REG793, REG796	AY263128
<i>A. cybotes</i>	REG795	AY263130
<i>A. cybotes</i>	REG1072	AY263123
<i>A. cybotes</i>	REG1074	AY263124
<i>A. cybotes</i>	REG1075	AY263125
<i>A. cybotes</i>	REG1076	AY263126
<i>A. cybotes</i>	UB	AY263143
<i>A. cybotes</i>	REG865	AY263132
<i>A. cybotes</i>	BWMC6581	AY263133
<i>A. cybotes</i>	BWMC6582	AY263134
<i>A. cybotes</i>	BWMC6583	AY263135
<i>A. cybotes</i>	BWMC6584	AY263136
<i>A. cybotes</i>	BWMC6585	AY263137
<i>A. cybotes</i>	SBH191752	AY263119
<i>A. cybotes</i>	SBH191727	AY263120
<i>A. cybotes</i>	REG615	AY263121
<i>A. cybotes</i>	REG625	AY263122
<i>A. cybotes</i>	BWMC6404	AY263138
<i>A. cybotes</i>	BWMC6323	AY263139
<i>A. cybotes</i>	BWMC6283	AY263140
<i>A. cybotes</i>	BWMC6403	AY263144
<i>A. cybotes</i>	SBH191605	AY263116
<i>A. desechensis</i>	Outgroup	AY296167
<i>A. equestris</i>		AF055978
<i>A. ernestwilliamsi</i>	Outgroup	AY296170
<i>A. garmani</i>	Port Antonio	AF294292
<i>A. garmani</i>	Kingston	AF294291
<i>A. garmani</i>	Negril	AF294290
<i>A. garmani</i>	Discovery Bay	AF294289
<i>A. grahami</i>	KI	AF294302
<i>A. haetianus</i>	SBH19195	AY263042
<i>A. isolepis</i>	USNM191038	AY654022
<i>A. longiceps</i>	USNM549614	AY902408
<i>A. longiceps</i>	USNM549615	AY902407
<i>A. luteogularis</i>		AF055977
<i>A. marron</i>		AY296187
<i>A. maynardi</i>	JBL400, JBL401, JBL402	AY902409
<i>A. noblei</i>		AY296190
<i>A. occultus</i>	Outgroup	AF055976

A. opalinus	Negril	AF294309
A. porcatus	GLOR3080	AY654025
A. porcatus	GLOR3081	AY654026
A. porcatus	GLOR3082	AY654027
A. porcatus	GLOR3083	AY654028
A. porcatus	GLOR3084	AY654029
A. porcatus	GLOR3045	AY654030
A. porcatus	GLOR3046	AY654031
A. porcatus	GLOR3047	AY654032
A. porcatus	GLOR3048	AY654033
A. porcatus	GLOR3008	AY654034
A. porcatus	GLOR3009	AY654035
A. porcatus	GLOR3010	AY654036
A. porcatus	GLOR3011	AY654037
A. porcatus	GLOR3012	AY654038
A. porcatus	GLOR2203	AY654039
A. porcatus	GLOR2205, GLOR2206	AY654040
A. porcatus	GLOR2207	AY654042
A. porcatus	GLOR2978	AY654043
A. porcatus	GLOR2979	AY654044
A. porcatus	GLOR2980	AY654045
A. porcatus	GLOR2981	AY654046
A. porcatus	GLOR2238	AY654047
A. porcatus	GLOR2239	AY654048
A. porcatus	GLOR2240	AY654049
A. porcatus	GLOR2241	AY654050
A. porcatus	GLOR2318	AY654051
A. porcatus	GLOR2320	AY654052
A. porcatus	GLOR2321	AY654053
A. porcatus	GLOR2322	AY654056
A. porcatus	GLOR2323	AY654055
A. porcatus	GLOR346	AY654057
A. porcatus	GLOR2347	AY654058
A. porcatus	GLOR2926	AY654059
A. porcatus	GLOR2927	AY654060
A. porcatus	GLOR2884, GLOR2885	AY654061
A. porcatus	GLOR2886	AY654063
A. porcatus	GLOR2887	AY654064
A. porcatus	GLOR2888	AY654065
A. porcatus	GLOR2357, GLOR2358	AY654066
A. porcatus	GLOR2359	AY654068
A. porcatus	GLOR2376	AY654069
A. porcatus	GLOR2845	AY654070
A. porcatus	GLOR2626	AY654071
A. porcatus	GLOR2537	AY654072



<i>A. porcatus</i>	GLOR2538	AY654073
<i>A. porcatus</i>	GLOR2539	AY654074
<i>A. porcatus</i>	GLOR2540	AY654075
<i>A. porcatus</i>	GLOR2541	AY654076
<i>A. porcatus</i>	GLOR2494	AY654077
<i>A. porcatus</i>	GLOR2641	AY654078
<i>A. porcatus</i>	GLOR2643	AY654079
<i>A. porcatus</i>	GLOR2650, GLOR2651, GLOR2652	AY654080
<i>A. porcatus</i>	GLOR2653	AY654083
<i>A. porcatus</i>	GLOR2654	AY654084
<i>A. porcatus</i>	GLOR2699, GLOR2700	AY654085
<i>A. porcatus</i>	GLOR2701	AY654087
<i>A. porcatus</i>	GLOR2702	AY654088
<i>A. porcatus</i>	GLOR2703	AY654089
<i>A. porcatus</i>	GLOR2683, GLOR2684, GLOR2686	AY654090
<i>A. porcatus</i>	GLOR2685	AY654093
<i>A. porcatus</i>	GLOR2687	AY654094
<i>A. scriptus</i>	Outgroup	AY296200
<i>A. shrevei</i>	SBH193297	AY263036
<i>A. shrevei</i>	REG1207	AY263037
<i>A. shrevei</i>	REG1208, REG1210	AY263038
<i>A. shrevei</i>	REG1209	AY263039
<i>A. shrevei</i>	REG1211	AY263041
<i>A. singularis</i>		AY296202
<i>A. singularis</i>	GLOR1445	EF531478
<i>A. singularis</i>	GLOR1446, GLOR1447	EF531479
<i>A. singularis</i>	SBH191712	EF531484
<i>A. singularis</i>	SBH192542	EF531483
<i>A. singularis</i>	GLOR1443	EF531477
<i>A. singularis</i>	SBH194512	EF531481
<i>A. singularis</i>	SBH194482	EF531482
<i>A. singularis</i>	GLOR1468	EF531475
<i>A. singularis</i>	GLOR1469	EF531476
<i>A. smallwoodi</i>		AY296203
<i>A. smaragdinus</i>	USNM549537	AY902418
<i>A. smaragdinus</i>	USNM549569	AY902419
<i>A. smaragdinus</i>	USNM549570	AY902420
<i>A. smaragdinus</i>	USNM549558	AY902421
<i>A. smaragdinus</i>	USNM549559	AY902422
<i>A. smaragdinus</i>	USNM549512	AY902423
<i>A. smaragdinus</i>	USNM549513	AY902424
<i>A. websteri</i>		AY296205
<i>A. whitemani</i>	REG469	AY263024

A. whitemani	REG481	AY263027
A. whitemani	REG457	AY263028
A. whitemani	REG495, REG498	AY263029
A. whitemani	REG443	AY263031
A. whitemani	REG688, REG697	AY263032
A. whitemani	REG692, REG693	AY263033

**Appendix S2.** Newly collected mtDNA sequences submitted to Genbank (Field # abbreviations are as follows: JBL=Jonathan B. Losos, JJK=Jason J. Kolbe, REG=Richard E. Glor, SBH=S. Blair Hedges).

<b>Species</b>	<b>Field #</b>	<b>Genbank #</b>	<b>Locality</b>
A. baracoae	REG2688, REG2689	EU107871	Maisi, Cuba
A. baracoae	REG2708	EU107872	Baracoa/Moa, Cuba
A. baracoae	REG2726	EU107873	Nibujon, Cuba
A. carolinensis	JJK568	EU106323	Inverness, FL
A. carolinensis	JJK569	EU106324	Chiefland, FL
A. carolinensis	JJK570	EU106325	Mayo, FL
A. carolinensis	JJK576	EU106326	Bronson, FL
A. carolinensis	JJK589	EU106327	Gainesville, FL
A. carolinensis	JJK600	EU106328	Palatka, FL
A. carolinensis	JJK602	EU106329	Palatka, FL
A. carolinensis	JJK1837	EU106330	Red Road, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1620	EU106331	Coral Gables, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1621	EU106332	Coral Gables, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1622	EU106333	Coral Gables, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1623	EU106334	Coral Gables, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1624	EU106335	Coral Gables, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1626	EU106336	Coral Gables, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1627	EU106337	Coral Gables, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1629	EU106338	Coral Gables, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1630	EU106339	Red Road, FL

A. carolinensis (or A. carolinensis x porcatus)	REG1631	EU106340	Red Road, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1632	EU106341	Red Road, FL
A. carolinensis (or A. carolinensis x porcatus)	REG1634	EU106342	Red Road, FL
A. chlorocyanus	JJK1520, REG1601	EU107893	Parkland, FL
A. chlorocyanus	JJK1521	EU107894	Parkland, FL
A. chlorocyanus	REG1602	EU107895	Parkland, FL
A. chlorocyanus	JJK1934	EU107896	Parkland, FL
A. cristatellus	REG1541, REG1542, REG1543, JJK1891, JJK1893, JJK1894, JJK1895, JJK1896, JJK1897	EU107928	Key Biscayne, FL
A. cristatellus	REG1537, REG1538, JJK1531, JJK1532, JJK1533, JJK1536, JJK1537, JJK1538, JJK1539	EU107929	Red Road, FL
A. cristatellus	REG1539, REG1540	EU107930	Red Road, FL
A. cristatellus	JJK1534, JJK1535	EU107931	Red Road, FL
A. cristatellus	JJK1540	EU107932	Red Road, FL
A. cristatellus	JJK1561, JJK1562, REG1082,	EU107933	La Romana, DR
A. cristatellus	JJK1563, JJK1565, REG1083	EU107934	La Romana, DR
A. cristatellus	JJK1564	EU107935	La Romana, DR
A. cristatellus	JJK1572	EU107897	Playa Naguabo, PR
A. cristatellus	JJK1573	EU107898	Playa Naguabo, PR
A. cristatellus	JJK1574	EU107899	Playa Naguabo, PR
A. cristatellus	JJK1575	EU107900	Playa Naguabo, PR
A. cristatellus	JJK1576	EU107901	Agua Claras, PR
A. cristatellus	JJK1577	EU107902	Agua Claras, PR
A. cristatellus	JJK1578	EU107903	Agua Claras, PR
A. cristatellus	JJK1579	EU107904	Agua Claras, PR
A. cristatellus	JJK1580	EU107905	Agua Claras, PR
A. cristatellus	JJK1583	EU107906	Areceibo, PR
A. cristatellus	JJK1584	EU107907	Areceibo, PR
A. cristatellus	JJK1585	EU107908	Areceibo, PR
A. cristatellus	JJK1587	EU107909	Areceibo, PR
A. cristatellus	JJK1588	EU107910	Bayamon, PR

A. cristatellus	JJK1590	EU107911	Bayamon, PR
A. cristatellus	JJK1591	EU107912	Bayamon, PR
A. cristatellus	JJK1592	EU107913	Bayamon, PR
A. cristatellus	JJK1593	EU107914	Hato Rey, PR
A. cristatellus	JJK1595	EU107915	Hato Rey, PR
A. cristatellus	JJK1596	EU107916	Hato Rey, PR
A. cristatellus	JJK1597	EU107917	Hato Rey, PR
A. cristatellus	JJK1598	EU107918	Carolina, PR
A. cristatellus	JJK1599	EU107919	Carolina, PR
A. cristatellus	JJK1600	EU107920	Carolina, PR
A. cristatellus	JJK1601	EU107921	Carolina, PR
A. cristatellus	JJK1602	EU107922	Carolina, PR
A. cristatellus	REG2173	EU107923	Vieques, PR
A. cristatellus	REG2174	EU107924	Vieques, PR
A. cristatellus	REG2175	EU107925	Vieques, PR
A. cristatellus	REG2176	EU107926	Vieques, PR
A. cristatellus	REG2177	EU107927	Vieques, PR
A. cybotes	REG1287	EU107818	West Sosua, DR
A. cybotes	REG1214	EU107819	Constanza, DR
A. cybotes	REG1215	EU107820	Constanza, DR
A. cybotes	REG1280, REG1283, REG1284	EU107821	Cabarete, DR
A. cybotes	REG1281, REG1282	EU107822	Cabarete, DR
A. cybotes	REG672	EU107823	Dajabon, DR
A. cybotes	REG673	EU107824	Dajabon, DR
A. cybotes	REG674	EU107825	Dajabon, DR
A. cybotes	REG675	EU107826	Dajabon, DR
A. cybotes	REG676	EU107827	Dajabon, DR
A. cybotes	REG1379, REG1380	EU107828	Placidus, DR
A. cybotes	REG540, REG543, REG545	EU107829	Recondo, DR
A. cybotes	REG541	EU107830	Recondo, DR
A. cybotes	REG542	EU107831	Recondo, DR
A. cybotes	SBH103724	EU107832	Grande Anse
A. cybotes	DadeCo	EU107833	Dade Co., FL
A. cybotes	REG1559	EU107834	Dade Co., FL
A. cybotes	REG1560, JJK1552, JJK1525, JJK1526, JJK1530	EU107835	Dade Co., FL Parkland, FL
A. cybotes	JJK1523, JJK1524, JJK1529, REG1619	EU107836	Parkland, FL
A. cybotes	JJK1527	EU107837	Parkland, FL
A. cybotes	JJK1528	EU107838	Parkland, FL
A. distichus	JBL1019	EU107839	Bahamas
A. distichus	JBL1020	EU107840	Bahamas

A. distichus	JBL1021	EU107841	Bahamas
A. distichus	REG546	EU107842	Recondo, DR
A. distichus	REG565	EU107843	Barahona/Oviedo, DR
A. distichus	REG570	EU107844	Barahona/Oviedo, DR
A. distichus	REG574	EU107845	Recondo, DR
A. distichus	REG618	EU107846	Pedernales, DR
A. distichus	REG648	EU107847	Comendador, DR
A. distichus	REG663	EU107848	San Juan, DR
A. distichus	REG668	EU107849	Pepillo/Salcedo, DR
A. distichus	REG677	EU107850	Dajabon, DR
A. distichus	REG703	EU107851	Maizel, DR
A. distichus	REG712	EU107852	San Francisco, DR
A. distichus	REG724	EU107853	Sabana, DR
A. distichus	REG789	EU107854	Punta Cana, DR
A. distichus	REG817	EU107855	Fantino, DR
A. distichus	REG842	EU107856	Sanchez, DR
A. distichus	REG864	EU107857	Maimon, DR
A. distichus	REG1544, REG1546, REG1548, REG1549, REG1554, REG1555, REG1556, REG1557, REG1611, JJK417, JJK421, JJK423, JJK424, JJK425, JJK1936	EU107858	Red Road, FL
A. distichus	REG1545, REG1547, JJK422	EU107859	Red Road, FL Coral Gables, FL
A. distichus	REG1550, JJK1935	EU107860	Key West, FL Parkland, FL
A. distichus	REG1551, REG1553	EU107861	Key West, FL
A. distichus	REG1552	EU107862	Key West, FL
A. distichus	REG1558	EU107863	Miami, FL
A. distichus	REG1609	EU107864	Tamiami, FL
A. distichus	REG1610	EU107865	Tamiami, FL
A. distichus	REG1612	EU107866	Tamiami, FL
A. distichus	JJK416	EU107867	Coral Gables, FL
A. distichus	JJK418	EU107868	Coral Gables, FL
A. distichus	JJK419	EU107869	Coral Gables, FL
A. distichus	JJK628	EU107870	Coral Gables, FL
A. equestris	REG2195, REG2196	EU107874	Lajas, Cuba
A. equestris	REG2332, REG2344	EU107875	San Blas, Cuba Aguada, Cuba
A. equestris	REG2403	EU107876	Moron, Cuba
A. equestris	REG2440	EU107877	Sierra Cubitas, Cuba
A. equestris	REG2442	EU107878	Sierra Cubitas, Cuba

A. equestris	REG2542	EU107879	Jaguani, Cuba
A. equestris	REG2544	EU107880	Jaguani, Cuba
A. equestris	REG2545, REG2546	EU107881	Jaguani, Cuba
A. equestris	REG2810	EU107882	Rio Cauto, Cuba
A. equestris	REG2846	EU107883	Esmerelda, Cuba
A. equestris	REG2905	EU107884	Manicaragua, Cuba
A. equestris	REG2948	EU107885	Caibarien/Yaguajay, Cuba
A. equestris	REG2983	EU107886	Jicarita, Cuba
A. equestris	JJK1938, JJK1940, JJK1946, JJK1952	EU107887	Coral Gables, FL South Miami, FL FIU, FL
A. equestris	JJK1962, JJK1967, JJK1968	EU107888	South Miami, FL
A. equestris	JJK1942, JJK1943, JJK1964	EU107889	Coral Gables, FL
A. equestris	JJK1963, JJK1965, JJK1966	EU107890	Coral Gables, FL South Miami, FL
A. equestris	JJK1960	EU107891	Key Biscayne, FL
A. equestris	JJK1961	EU107892	Key Biscayne, FL
A. garmani	REG893	EU107936	Manchester, JA
A. garmani	REG894	EU107937	Manchester, JA
A. garmani	REG895	EU107938	Manchester, JA
A. garmani	REG909	EU107939	St. Ann, JA
A. garmani	REG910	EU107940	Manchester, JA
A. garmani	REG911	EU107941	Manchester, JA
A. garmani	REG961	EU107942	Hanover, JA
A. garmani	REG984	EU107943	Hanover, JA
A. garmani	REG3211	EU107944	Portland, JA
A. garmani	REG3212	EU107945	Portland, JA
A. garmani	REG3213	EU107946	Portland, JA
A. garmani	REG3214	EU107947	Portland, JA
A. garmani	REG3288	EU107948	St. Andrew/Portland, JA
A. garmani	REG3358	EU107949	Clarendon, JA
A. garmani	REG3399	EU107950	Elizabeth, JA
A. garmani	REG3429	EU107951	Elizabeth, JA
A. garmani	REG3430, REG3441	EU107952	Manchester, JA
A. garmani	REG3466	EU107953	Elizabeth, JA
A. garmani	REG3502	EU107954	St. Catherine, JA
A. garmani	REG3513	EU107955	
A. garmani	REG3604	EU107956	Westmoreland, JA
A. garmani	REG1559, REG1562, REG1563	EU107957	South Miami, FL
A. garmani	REG1560	EU107958	South Miami, FL
A. garmani	REG1561	EU107959	South Miami, FL
A. garmani	JJK1863, JJK1865,	EU107960	South Miami, FL

	JJK1866, JJK1867		
<i>A. garmani</i>	JJK1864	EU107961	South Miami, FL
<i>A. porcatus</i>	REG1625	EU106343	Coral Gables, FL
<i>A. porcatus</i>	REG1628	EU106344	Coral Gables, FL
<i>A. porcatus</i>	JJK1567, JJK1568, JJK1569, JJK1570	EU106345	Santo Domingo, DR