

Table S1. Details of material examined. Family names abbreviated: E, Eublepharidae; D, Diplodactylidae; C, Carphodactylidae; Py, Pygopodidae; S, Sphaerodactylidae; Ph, Phyllodactylidae; G, Gekkonidae; and o, outgroups. Presence/absence of toepad morphologies are indicated. We used the following abbreviations: AMB, Aaron M. Bauer; AMCC, Ambrose Monell Cryo Collection, American Museum of Natural History; AMS, Australian Museum, Sydney; BPBM, Bernice P. Bishop Museum; BPN, Brice P. Noonan; CAS, California Academy of Sciences; CHUNB, Coleção Herpetológica da Universidade de Brasília; DB, Don Buden; ENS, Eric N. Smith; FG/MV, Frank Glaw and Miguel Vences; FGZC, Frank Glaw; FK, Fred Kraus; FLMNH, Florida Museum of Natural History; FMNH, Field Museum of Natural History; GVH, Gerald V Haagner; ID, Indraneil Das; JAC, Jonathan Campbell; JB, Jon Boone; JBL, Jonathan B. Losos - *Anolis* Genome Sequencing Project; JFBM, James Ford Bell Museum of Natural History, University of Minnesota; DJH, D. James Harris; JEM, John E. Measey; JS, Jay Sommers; JVV, Jens V. Vindum; KU, University of Kansas Museum of Natural History; LJAMM, Luciano J. Avila and Mariana Morando; LSHC, La Sierra University Herpetological Collection, L. Lee Grismer; LSUMZ, Louisiana State University Museum of Zoology; MCZ, Museum of Comparative Zoology, Harvard University; MF, Mike Forstner; MHNSM, Museo de Historia Natural, Universidad Nacional Mayor de San Marcos; MTSN, Trento Museum of Natural Sciences; MV, Museum of Victoria; MVZ, Museum of Vertebrate Zoology, Berkeley; MZUSP, Universidade de São Paulo, Museu de Zoologia; NMZ, National Museum of Zimbabwe; QM, Queensland Museum; PEM, Port Elizabeth Museum; RAH, Rod A. Hitchmough; RMB, Rafe M. Brown; ROM, Royal Ontario Museum; SAM, South Australian Museum; SC, Salvador Carranza; TG, Tony Gamble; WBJ, W. Bryan Jennings; WDH, Wulf D. Haacke; USNM, National Museum of Natural History, Smithsonian Institution; YPM, Yale Peabody Museum; ZCMV, Miguel Vences; ZFMK, Zoologisches Forschungsinstitut und Museum Alexander Koenig; ZSM, Zoologische Staatssammlung München.

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
C	<i>Carphodactylus laevis</i>	No	N/A	No	AMS 143258	Lamb Range, Queensland, Australia	EF534781	EF534947	EF534905	EF534862	EF534821	GU459943
C	<i>Nephrurus levis</i>	No	N/A	No	AMS 140561	Western Australia, Australia	GU459544	JQ945487	JQ945593	JQ945700	GU459746	AY369018
C	<i>Orraya occultus</i>	No	N/A	No	QM A002513	Queensland, Australia	JQ945320	–	–	–	JQ945388	JX041389
C	<i>Phyllurus platurus</i>	No	N/A	No	AMB 42	Sydney, NSW, Australia	HQ426314	HQ426488	HQ426570	HQ426397	HQ426226	JX024357
C	<i>Saltuarius swaini</i>	No	N/A	No	AMS 143262	Lamb Range, Queensland, Australia	JQ945338	JQ945509	JQ945616	JQ945722	JQ945407	JX024356
C	<i>Underwoodisaurus milii</i>	No	N/A	No	AMB 499	Denham, Western Australia, Australia	EF534780	EF534946	EF534904	EF534861	EF534820	JX041460
C	<i>Uvidicolus sphyrurus</i>	No	N/A	No	AMS R152351	Mt. Yulladunida, Kaputar Natl. Park, New South Wales, Australia	GU459543	JQ945521	JQ945627	JQ945734	GU459745	GU459944
D	<i>Amalasia rhombifer</i>	Yes	Yes	No	AMS 136216	vic. Bells Creek, Queensland, Australia	JQ945319	JQ945489	JQ945595	JQ945702	JQ945387	JX024363
D	<i>Bavayia cyclura</i>	Yes	No	No	AMB 7683	nr. Voh, New Caledonia	HQ426264	HQ426437	HQ426521	HQ426344	HQ426176	JX041315
D	<i>Bavayia geitaina</i>	Yes	No	No	AMB 7229	Mt. Ouin, New Caledonia	JQ945285	JQ945424	JQ945532	JQ945638	JQ945353	JX041316

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
D	<i>Bavayia madjo</i>	Yes	No	No	AMS R149329	Mt. Panié, New Caledonia	JQ945286	JQ945425	JQ945533	JQ945639	JQ945354	GU459950
D	<i>Crenadactylus ocellatus</i>	Yes	Yes	No	AMS R162089	Trephina Gorge, Northern Territory, Australia	AY662627	JQ945439	FJ571641	JQ945652	JQ945367	JX024364
D	<i>Dierogekko insularis</i>	Yes	No	No	AMS R161069	Ile Art, Belep Ids., New Caledonia	JQ945306	JQ945448	JQ945555	JQ945661	JQ945375	JF972458
D	<i>Diplodactylus conspicillatus</i>	Yes	Yes	No	AMS 158426	Sturt Natl. Park, NSW, Australia	HQ426278	HQ426451	HQ426533	HQ426358	HQ426189	JQ173628
D	<i>Diplodactylus tessellatus</i>	Yes	Yes	No	AMS 143855	Stonehenge area, Queensland, Australia	JQ173725	JQ945449	JQ945556	JQ945662	JQ173677	JQ173631
D	<i>Eurydactylodes agricolae</i>	Yes	No	No	AMS R149366	Mt. Panié, New Caledonia	GU459547	JQ945453	JQ945560	JQ945666	GU459749	DQ533758
D	<i>Lucasium damaeum</i>	No	N/A	No	AMB 54	58 km S Alice Springs, NT, Australia	HQ426279	HQ426452	HQ426534	HQ426359	HQ426190	GU459953
D	<i>Lucasium stenodactylum</i>	Yes	Yes	No	AMS 139897	El Questro Station, Western Australia, Australia	JQ173724	JQ945477	JQ945584	JQ945690	JQ173676	JQ173630
D	<i>Naultinus gemmeus</i>	Yes	No	No	RAH 464	Hakataramea, New Zealand	GU459361	JQ945486	JQ945592	JQ945699	GU459563	GU459764
D	<i>Oedodera marmorata</i>	Yes	No	No	CAS 230936	Paagoumène, New Caledonia	JQ945318	JQ945488	JQ945594	JQ945701	JQ945386	GU459947
D	<i>Oedura marmorata</i>	Yes	Yes	No	AMS 143861	Stonehenge area, Queensland, Australia	EF534779	EF534945	EF534903	EF534860	EF534819	GU459951

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D	<i>Pseudothecadactylus lindneri</i>	Yes	No	No	MVZ 99544	Kakadu Natl. Park, NT, Australia	HQ426318	HQ426492	HQ426573	HQ426401	HQ426230	GU459946
D	<i>Rhacodactylus ciliatus</i>	Yes	No	No	TG 00080	New Caledonia	–	EF534944	EF534902	EF534859	–	–
D	<i>Rhacodactylus ciliatus</i>	Yes	No	No	AMS 146595	Rivière Bleue, New Caledonia	EF534778	–	–	–	EF534818	JX024438
D	<i>Rhacodactylus leachianus</i>	Yes	No	No	AMB 7189	Ilot Moro, New Caledonia	GU459548	JQ945505	JQ945612	JQ945718	GU459750	GU459949
D	<i>Rhynchoedura ornata</i>	Yes	Yes	No	AMS 155371	Sturt National Park, New South Wales, Australia	GU459553	JQ945508	JQ945615	JQ945721	GU459755	GU459954
D	<i>Strophurus aberrans</i>	Yes	Yes	No	AMS 136023	Tanami Road, Western Australia, Australia	JQ173761	JQ945511	–	JQ945724	JQ173715	JQ173667
D	<i>Strophurus elderi</i>	Yes	Yes	No	AMS 130987	Silver City Hwy, New South Wales, Australia	JQ173763	JQ945512	JQ945618	JQ945725	JQ173717	JQ173669
D	<i>Strophurus strophurus</i>	Yes	Yes	No	AMS 140536	Denham, Western Australia, Australia	JQ173766	JQ945513	JQ945619	JQ945726	JQ173720	JQ173672
D	<i>Woodworthia maculata</i>	Yes	No	No	RAH 292	Titahi Bay, New Zealand	GU459449	JQ945522	JQ945628	JQ945735	GU459651	GU459852
E	<i>Aeluroscalabotes felinus</i>	No	N/A	No	JB 16	Cameron Highlands, Malaysia	HQ426259	HQ426432	HQ426517	HQ426338	HQ426171	JX041301
E	<i>Coleonyx brevis</i>	No	N/A	No	TG 00194	Hudspeth County, Texas, USA	HQ426271	HQ426444	HQ426528	HQ426351	HQ426182	JX041333
E	<i>Coleonyx mitratus</i>	No	N/A	No	TG 00075	unknown	HQ426272	HQ426445	HQ426529	HQ426352	HQ426183	JX041334

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E	<i>Coleonyx variegatus</i>	No	N/A	No	CAS 205334	Imperial Co., California, USA	EF534777	EF534943	EF534901	EF534858	EF534817	JX041335
E	<i>Eublepharis macularius</i>	No	N/A	No	JS 2	Pakistan	EF534776	–	–	–	EF534816	JX041350
E	<i>Eublepharis macularius</i>	No	N/A	No	TG 00081	Pakistan	–	EF534942	EF534900	EF534857	–	–
E	<i>Goniurosaurus araneus</i>	No	N/A	No	JFBM 15830	Vietnam	HQ426286	HQ426455	HQ426537	HQ426362	HQ426197	JX041364
E	<i>Goniurosaurus luii</i>	No	N/A	No	TG 00795	China	HQ426287	HQ426456	HQ426538	HQ426363	HQ426198	JX041365
E	<i>Hemitheconyx caudicinctus</i>	No	N/A	No	TG 00180	unknown	HQ426294	HQ426468	HQ426552	HQ426377	HQ426205	JX041370
E	<i>Hemitheconyx taylori</i>	No	N/A	No	JB 12	Somalia	HQ426295	HQ426469	HQ426553	HQ426378	HQ426206	JX041371
E	<i>Holodactylus africanus</i>	No	N/A	No	CAS 198845	Kajiado District, Kenya	HQ426296	HQ426470	HQ426554	HQ426379	HQ426207	JX041372
G	<i>Afroedura karroica</i>	Yes	Yes	Yes	PEM FN1112	Eastern Cape Province, South Africa	JQ945277	JQ945415	JQ945523	JQ945629	JQ945345	JX041302
G	<i>Afroedura loveridgei</i>	Yes	Yes	Yes	GVH 3969	Mozambique	JQ945278	JQ945416	JQ945524	JQ945630	JQ945346	JX041303
G	<i>Afrogecko plumicaudus</i>	Yes	Yes	No	WDH 1	Parque Nacional do Iona, Cunene Prov., Angola	JQ945279	JQ945417	JQ945525	JQ945631	JQ945347	JX041304
G	<i>Afrogecko porphyreus</i>	Yes	Yes	No	CAS 206995	Cape Hangklip, Western Cape Prov., South Africa	EF490723	JQ945418	JQ945526	JQ945632	EF490697	EF490776
G	<i>Afrogecko swartbergensis</i>	Yes	Yes	No	JB 47	Swartberg Mts., Western Cape Prov., South Africa	JQ945280	JQ945419	JQ945527	JQ945633	JQ945348	JX041305
G	<i>Agamura persica</i>	No	N/A	No	FMNH 247474	Makran Dist., Baluchistan,	JQ945281	JQ945420	JQ945528	JQ945634	JQ945349	JX041306

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						Pakistan						
G	<i>Ailuronyx tachyscopaeus</i>	Yes	No	No	MCZ F38717	Silhouette Island, Seychelles	JQ945282	JQ945421	JQ945529	JQ945635	JQ945350	JX041307
G	<i>Ailuronyx trachygaster</i>	Yes	No	No	AMB 8160	Silhouette Island, Seychelles	JQ945283	JQ945422	JQ945530	JQ945636	JQ945351	JX041308
G	<i>Alsophylax pipiens</i>	No	N/A	No	CAS 238805	Bulgan, Khovd, Mongolia	JQ945284	JQ945423	JQ945531	JQ945637	JQ945352	JX041309
G	<i>Blaesodactylus antongilensis</i>	Yes	No	Yes	ZSM 410/2005	Nosy Mangabe, Toamasina Prov., Madagascar	EU054229	JQ945426	JQ945534	JQ945640	EU054205	EU054253
G	<i>Bunopus tuberculatus</i>	No	N/A	No	CAS 228737	Sharjah, United Arab Emirates	JQ945287	JQ945427	JQ945535	JQ945641	JQ945355	JX041317
G	<i>Calodactylodes illingworthorum</i>	Yes	Yes	Yes	AMB7415	Serawa, Pitakumbura, Sri Lanka	JQ945288	JQ945428	JQ945536	JQ945642	JQ945356	JX041318
G	<i>Chondrodactylus angulifer</i>	No	N/A	No	MCZ R184984	Klein Aus Vista, Namibia	JQ945289	JQ945429	JQ945537	JQ945643	JQ945357	–
G	<i>Chondrodactylus angulifer</i>	No	N/A	No	AMB 4669	Richtersveld National Park, Northern Cape Prov., South Africa	–	–	–	–	–	JX041320
G	<i>Chondrodactylus fitsimensi</i>	Yes	No	No	CAS 193884	30 km N Swakopmund, Namibia	EU293645	EU293735	EU293690	EU293667	EU293712	JX041321
G	<i>Christinus marmoratus</i>	Yes	Yes	No	AMS 135338	Wirralie, Ladysmith, New South Wales, Australia	JQ945290	JQ945430	JQ945538	JQ945644	JQ945358	JX041322

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G	<i>Cnemaspis africana</i>	Yes	No	No	FMNH 251355	Amani, Tanga, Tanzania	–	JQ945431	JQ945539	JQ945645	–	–
G	<i>Cnemaspis africana</i>	Yes	No	No	CAS 168872	Amani, Tanga, Tanzania	JQ945291	–	–	–	JQ945359	JX041323
G	<i>Cnemaspis dickersonae</i>	Yes	No	No	MTSN 8604	Uzungwa Scarp, Tanzania	JQ945292	JQ945432	JQ945540	JQ945646	JQ945360	JX041324
G	<i>Cnemaspis kandiana</i>	No	N/A	No	AMB 7508	Masimbula, Godakawela, Sri Lanka	JQ945293	JQ945433	JQ945541	JQ945647	JQ945361	JX041325
G	<i>Cnemaspis kendalii</i>	No	N/A	No	LSHC 6562	Kepong, Selangor, Malaysia	JQ945294	JQ945434	JQ945542	–	JQ945362	JX041326
G	<i>Cnemaspis limi</i>	No	N/A	No	LSHC 6267	Pulau Tioman, Malaysia	EF534809	EF534977	EF534935	EF534892	EF534851	JX041327
G	<i>Cnemaspis podihuna</i>	No	N/A	No	AMB 7449	Mihintale, Sri Lanka	JQ945295	JQ945435	JQ945543	JQ945648	JQ945363	JX041328
G	<i>Cnemaspis uzungwe</i>	Yes	No	No	MTSN 5603	Chita, Uzungwe Scarp, Tanzania	JQ945296	JQ945436	JQ945544	JQ945649	JQ945364	JX041329
G	<i>Colopus kochi</i>	Yes	No	No	CAS 214308	59 km N Swakopmund, Namibia	JQ945297	JQ945437	JQ945545	JQ945650	JQ945365	JX041336
G	<i>Colopus wahlbergii</i>	Yes	No	No	NMZ 16974	Kalamba Station, Kazungula Dist., Zambia	JQ945298	JQ945438	JQ945546	JQ945651	JQ945366	JX041337
G	<i>Crossobamon orientalis</i>	No	N/A	No	ID 7618	vic. Sam, Rajasthan, India	JQ945299	JQ945440	JQ945547	JQ945653	JQ945368	JX041338
G	<i>Cryptactites peringueyi</i>	Yes	Yes	No	CAS 186374	Krom River Estuary, Easter Cape Prov., South Africa	JQ945300	JQ945441	JQ945548	JQ945654	JQ945369	JX041339

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G	<i>Cyrtodactylus angularis</i>	No	N/A	No	FMNH 265815	Muang Sa Kaeo, Sa Kaeo, Thailand	JQ945301	JQ945442	JQ945549	JQ945655	JQ945370	JX041340
G	<i>Cyrtodactylus ayeyarwadyensis</i>	No	N/A	No	CAS 216446	Rakhine, Myanmar	EU268287	JQ945443	JQ945550	JQ945656	EU268317	EU268348
G	<i>Cyrtodactylus irregularis</i>	No	N/A	No	FMNH 258697	Pakxong Dist., Champasak Prov., Lao PDR	JQ945302	JQ945444	JQ945551	JQ945657	JQ945371	JX041341
G	<i>Cyrtodactylus jarujini</i>	No	N/A	No	FMNH 255472	Thaphabat Dist., Bolikhamxay Prov., Lao PDR	JQ945303	JQ945445	JQ945552	JQ945658	JQ945372	JX041342
G	<i>Cyrtodactylus novaeguineae</i>	No	N/A	No	FK 11689	West Sepik, Papua New Guinea	HQ426274	HQ426447	HQ426531	HQ426354	HQ426185	JX041343
G	<i>Cyrtodactylus philippinicus</i>	No	N/A	No	FMNH 236073	Mt. Guitinguitin, Sibuyan Island, Philippines	JQ945304	JQ945446	JQ945553	JQ945659	JQ945373	JX041344
G	<i>Cyrtopodion scabrum</i>	No	N/A	No	TG 00109	Egypt	HQ426275	HQ426448	HQ426532	HQ426355	HQ426186	JX041345
G	<i>Cyrtopodion</i> sp.	No	N/A	No	FMNH 256409	Karakar Pass, Swat Dist., NW Frontier Prov., Pakistan	JQ945305	JQ945447	JQ945554	JQ945660	JQ945374	JX041346
G	<i>Dixonius siamensis</i>	No	N/A	No	LSHC 7328	Phnom Aural, Pursat Prov., Cambodia	EU054283	JQ945450	JQ945557	JQ945663	EU054267	EU054299
G	<i>Dixonius vietnamensis</i>	No	N/A	No	FMNH 263003	Keo Seima Dist., Mondolkiri Prov., Cambodia	EU054281	JQ945451	JQ945558	JQ945664	EU054265	EU054297

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G	<i>Ebenavia inunguis</i>	Yes	Yes	No	ZCMV 2099	Marojejy, Madagascar	HQ426280	HQ426453	HQ426535	HQ426360	HQ426191	JX041348
G	<i>Elasmodactylus tetensis</i>	Yes	No	No	PEM 5551	Niassa Game Reserve, Mozambique	JQ945307	JQ945452	JQ945559	JQ945665	JQ945376	JX041349
G	<i>Geckoella triedra</i>	No	N/A	No	35A	Sri Lanka	JQ945308	JQ945454	JQ945561	JQ945667	JQ945377	JX041352
G	<i>Geckolepis maculata</i>	Yes	No	Yes	FGZC 463	Montagne d'Ambre, Madagascar	EU054211	JQ945455	JQ945562	JQ945668	EU054187	EU054235
G	<i>Gehyra australis</i>	Yes	No	Yes	AMS 139934	El Questro Station, Western Australia, Australia	JN019145	JQ945456	JQ945563	JQ945669	JN019113	JN019081
G	<i>Gehyra cf. oceanica</i>	Yes	No	Yes	BPBM 23349	Parkop, Toricelli Mts., West Sepik Prov., Papua New Guinea	JQ945309	JQ945457	JQ945564	JQ945670	JN394000	JN393922
G	<i>Gehyra dubia</i>	Yes	No	Yes	AMS 152245	Daydawn, New South Wales, Australia	JN393956	JQ945458	JQ945565	JQ945671	JN393989	JN393911
G	<i>Gehyra mutilata</i>	Yes	No	Yes	JFBM 15819	unknown	–	JQ945459	JQ945566	JQ945672	–	–
G	<i>Gehyra mutilata</i>	Yes	No	Yes	AMB 6582	Penang, Malaysia	JN393962	–	–	–	JN393995	JN393917
G	<i>Gehyra nana</i>	Yes	No	Yes	AMS 140070	McGowens Beach, Kalumburu area, Western Australia, Australia	JN393963	JQ945460	JQ945567	JQ945673	JN393996	JN393918

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G	<i>Gehyra variegata</i>	Yes	No	Yes	AMS 140478	Millstream, Western Australia, Australia	JN393973	JQ945461	JQ945568	JQ945674	JN394007	JN393929
G	<i>Gekko badenii</i>	Yes	No	No	TG 00095	Vietnam	–	JQ945462	JQ945569	JQ945675	–	–
G	<i>Gekko badenii</i>	Yes	No	No	JB 13	Vietnam	JN019130	–	–	–	JN019099	JN019065
G	<i>Gekko cf. grossmanni</i>	Yes	No	No	No ID	unknown	JN019129	JQ945463	JQ945570	JQ945676	JN019098	JN019064
G	<i>Gekko chinensis</i>	Yes	No	No	LSHC 4209	Wuzhi Shan, Hainan Id., China	JN019123	JQ945464	JQ945571	JQ945677	JN019092	JN019058
G	<i>Gekko gecko</i>	Yes	No	No	No ID	unknown	EF534813	–	–	–	EF534854	EU054288
G	<i>Gekko gecko</i>	Yes	No	No	TG 00079	Indonesia Barangay Formon, Sitio Balogbob, Cueba Simbahan, Mindoro Oriental Prov., Philippines	–	EF534981	EF534939	EF534896	–	–
G	<i>Gekko mindorensis</i>	Yes	No	No	KU 303912	Philippines	JN019140	JQ945465	JQ945572	JQ945678	JN019108	JN019076
G	<i>Gekko monarchus</i>	Yes	No	No	PEM R5412	Port Elizabeth, Eastern Cape, South Africa	JN019141	JQ945466	JQ945573	JQ945679	JN019109	JN019077
G	<i>Gekko subpalmatus</i>	Yes	No	No	AMB 6567	Chengdu, Sichuan, China	JN019128	JQ945467	JQ945574	JQ945680	JN019097	JN019063
G	<i>Gekko vittatus</i>	Yes	No	No	BPBM 19780	Rossel Id., Louisiade Ids., Milne Bay Prov., Papua New Guinea	JN019134	JQ945468	JQ945575	JQ945681	JN019102	JN019069

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
G	<i>Goggia lineata</i>	Yes	Yes	No	AMB4762	Richtersveld National Park, Northern Cape Prov., South Africa	JQ945310	JQ945469	JQ945576	JQ945682	JQ945378	JX041353
G	<i>Hemidactylus angulatus</i>	Yes	No	Yes	MVZ 245438	Togo Hills, Nkwanta, Ghana	EU268306	–	HQ426540	HQ426365	EU268336	EU268367
G	<i>Hemidactylus brasilianus</i>	Yes	No	Yes	MZUSP 92493	Parque Nacional da Serra das Confusões, Piauí, Brazil	EU268290	HQ426439	HQ426523	HQ426346	EU268320	EU268351
G	<i>Hemidactylus fasciatus</i>	Yes	No	Yes	ROM 19891	Sapo Nat'l Park, Sinoe, Liberia	JQ945311	JQ945470	JQ945577	JQ945683	JQ945379	EU268371
G	<i>Hemidactylus flaviviridis</i>	Yes	No	Yes	FMNH 245515	Punjab Province, Pakistan	EU268294	HQ426458	HQ426541	HQ426366	EU268324	EU268355
G	<i>Hemidactylus frenatus</i>	Yes	No	Yes	TG 00088	Indonesia	–	EF534982	EF534940	EF534897	–	–
G	<i>Hemidactylus frenatus</i>	Yes	No	Yes	AMB 7411	Pidenipitiya, Sri Lanka	EF534814	–	–	–	EF534855	EU268357
G	<i>Hemidactylus greeffi</i>	Yes	No	Yes	CAS 219044	Praia da Mutamba, Sao Tomé	EU268308	HQ426459	HQ426542	HQ426367	EU268338	EU268369
G	<i>Hemidactylus haitianus</i>	Yes	No	Yes	CAS 198443	nr. Santo Domingo, Dominican Republic	HM559700	–	HQ426543	HQ426368	HM559667	HM559634
G	<i>Hemidactylus imbricatus</i>	Yes	No	Yes	TG 00568	Pakistan	HM559703	HQ426506	HQ426587	HQ426416	HM559670	EU268354
G	<i>Hemidactylus longicephalus</i>	Yes	No	Yes	CAS 218939	Lagoa Azul, Sao Tomé	HQ426289	HQ426460	HQ426544	HQ426369	HQ426200	HM559637
G	<i>Hemidactylus</i>	Yes	No	Yes	JEM 1864	Wundanyi,	HQ426291	HQ426462	HQ426546	HQ426371	HQ426202	JX041368

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
	<i>mabouia</i>											
G	<i>Hemidactylus macropholis</i>	Yes	No	Yes	CAS 227520	Kenya Bari Region, Puntland State, Somalia	HQ426292	HQ426463	HQ426547	HQ426372	HQ426203	JX041369
G	<i>Hemidactylus palaichthus</i>	Yes	No	Yes	LSUMZ H-12421	Roraima, Brazil	EU268307	HQ426464	HQ426548	HQ426373	EU268337	EU268368
G	<i>Hemidactylus platyurus</i>	Yes	No	Yes	JFBM 15815	unknown	HQ426273	HQ426446	HQ426530	HQ426353	HQ426184	–
G	<i>Hemidactylus platyurus</i>	Yes	No	Yes	KU30411	Lubang, Philippines Makran District, Baluchistan Province, Pakistan	–	–	–	–	–	EU268352
G	<i>Hemidactylus robustus</i>	Yes	No	Yes	FMNH 245519	India	HM559715	HQ426466	HQ426550	HQ426375	HM559682	HM559649
G	<i>Hemidactylus triedrus</i>	Yes	No	Yes	JB 09	Gainesville, Alachua County, Florida, USA	HQ426293	HQ426467	HQ426551	HQ426376	HQ426204	–
G	<i>Hemidactylus turcicus</i>	Yes	No	Yes	TG 00567	Baton Rouge, Louisiana, USA	–	–	–	–	–	EU268360
G	<i>Hemidactylus turcicus</i>	Yes	No	Yes	LSUMZ 1981	Cameron Highlands, Pahang, Malaysia	JN393978	JQ945471	JQ945578	JQ945684	JN394012	JN393934
G	<i>Hemiphyllodactylus titiwangsaensis</i>	Yes	No	Yes	LSHC 7208	Pakxong Dist., Champasak Prov., Lao PDR	JN393979	JQ945472	JQ945579	JQ945685	JN394013	JN393935
G	<i>Hemiphyllodactylus yunnanensis</i>	Yes	No	Yes	FMNH 258695	Sturt Natl. Park, New South Wales,	EU054285	JQ945473	JQ945580	JQ945686	EU054269	EU054301

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
						Australia						
G	<i>Heteronotia planiceps</i>	No	N/A	No	AMS 140331	23.3 km NNW jct. Tunnel Creek RD. with Great Northern Hwy., Western Australia, Australia	EU054284	JQ945474	JQ945581	JQ945687	EU054268	EU054300
G	<i>Homopholis fasciatus</i>	Yes	No	Yes	TG 00191	unknown	EU054226	JQ945475	JQ945582	JQ945688	EU054202	EU054250
G	<i>Lepidodactylus lugubris</i>	Yes	No	No	AMB 4111	Kirimati, Kiribati	EF534812	EF534980	EF534938	EF534895	EF534853	JX041377
G	<i>Lepidodactylus novaeguineae</i>	Yes	No	No	BPBM 15842	Boiaboaiwaga Id., Milne Bay Prov., Papua New Guinea	JQ945312	JQ945476	JQ945583	JQ945689	JQ945380	JX041378
G	<i>Luperosaurus cumingii</i>	Yes	No	No	RMB 3546	Cumiagi, Philippines	JQ945313	JQ945478	JQ945585	JQ945691	JQ945381	JX041379
G	<i>Lygodactylus bivittis</i>	Yes	No	Yes	FG/MV 2001.A21	Andasibe, Madagascar 63.5 km W Kamanjab,	JQ945314	JQ945479	JQ945586	JQ945692	JQ945382	JX041380
G	<i>Lygodactylus bradfieldi</i>	Yes	No	Yes	AMB 7628	Kunene Region, Namibia	HQ426301	HQ426474	HQ426558	HQ426383	HQ426212	JX041381
G	<i>Lygodactylus miops</i>	Yes	No	Yes	ZSM 116/2004	Andohahela, Madagascar	HQ426299	HQ426472	HQ426556	HQ426381	HQ426210	–
G	<i>Lygodactylus mirabilis</i>	Yes	No	Yes	FG/MV 2000.B3	Madagascar	HQ426300	HQ426473	HQ426557	HQ426382	HQ426211	JX041382
G	<i>Lygodactylus tolampyae</i>	Yes	No	Yes	FG/MV 2001.C14	Ankarafantsika, Madagascar	HQ426302	HQ426475	HQ426559	HQ426384	HQ426213	JX041383

Family	Species	Toepads present	Leaf-toed morphology	Paraphalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
G	<i>Matoatoa brevipes</i>	Yes	Yes	No	FG/MV 2002.2237	Tulear area, Madagascar	EF490724	JQ945480	JQ945587	JQ945693	EF490698	EF490777
G	<i>Mediodactylus russowii</i>	No	N/A	No	AMB 8701	unknown	JQ945315	JQ945481	JQ945588	JQ945694	JQ945383	JX041384
G	<i>Mediodactylus spinicauda</i>	No	N/A	No	CAS 228709	Birjand, Khorasan Prov., Iran	JQ945316	JQ945482	JQ945589	JQ945695	JQ945384	JX041385
G	<i>Microgecko helenae</i>	No	N/A	No	JB 27	unknown	JQ945317	JQ945483	JQ945590	JQ945696	JQ945385	JX041386
G	<i>Nactus pelagicus</i>	No	N/A	No	CAS 229289	Mt. Gouémba, New Caledonia	EU054275	JQ945484	–	JQ945697	EU054259	EU054291
G	<i>Nactus vankampeni</i>	No	N/A	No	FK11384	Wewak, East Sepik Prov., Papua New Guinea	EU054279	JQ945485	JQ945591	JQ945698	EU054263	EU054295
G	<i>Narudasia festiva</i>	No	N/A	No	AMB 3243	Narudas, Namibia	EF534808	EF534976	EF534934	EF534891	EF534850	JX041387
G	<i>Pachydactylus austeni</i>	Yes	No	No	AMB 3295	Port Nolloth, Northern Cape Prov., South Africa	JQ945321	–	JQ945596	JQ945703	JQ945389	JX041390
G	<i>Pachydactylus gaiasensis</i>	Yes	No	No	AMB 7596	Gai-As, Namibia	JQ945322	JQ945490	JQ945597	JQ945704	JQ945390	JX041391
G	<i>Pachydactylus kladaroderma</i>	Yes	No	No	PEM FN1253	Molteno Pass, Western Cape Prov., South Africa	JQ945323	JQ945491	JQ945598	JQ945705	JQ945391	JX041392
G	<i>Pachydactylus punctatus</i>	Yes	No	No	MCZ R184457	Farm Celine, Limpopo Prov., South Africa	EU293646	–	–	–	EU293713	JX041393
G	<i>Pachydactylus punctatus</i>	Yes	No	No	MCZ R184458	Farm Celine, Limpopo Prov., South Africa	–	EU293736	EU293691	EU293668	–	–
G	<i>Pachydactylus rangei</i>	Yes	No	Yes	MCZ R183725	Swakop River, Namibia	JQ945324	JQ945492	JQ945599	–	JQ945392	JX041394

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
G	<i>Pachydactylus rugosus</i>	Yes	No	No	CAS 201905	Sendelingsdrif, Richtersveld National Park, Northern Cape Prov., South Africa	JQ945325	JQ945493	JQ945600	JQ945706	JQ945393	JX041395
G	<i>Pachydactylus vanzlyi</i>	Yes	No	Yes	JVV 1761	Munutum River, Namibia	JQ945326	JQ945494	JQ945601	JQ945707	JQ945394	JX041396
G	<i>Pachydactylus weberi</i>	Yes	No	No	PEM R12449	1.4 km S Dawis, Richtersveld, Northern Cape Prov., South Africa	JQ945327	JQ945495	JQ945602	JQ945708	JQ945395	JX041397
G	<i>Paragehyra gabriellae</i>	Yes	No	No	FGZC 2366	Grotte Ampasy, Madagascar	JQ945328	JQ945496	JQ945603	JQ945709	JQ945396	JX041399
G	<i>Paroedura masobe</i>	Yes	Yes	No	JFBM 15832	Madagascar	EF536145	HQ426478	HQ426560	HQ426387	EF536169	EF536193
G	<i>Paroedura picta</i>	Yes	Yes	No	FG/MV 2002.B1	Berenty, Madagascar	EF536149	EU293737	EU293692	EU293669	EF536173	EF536197
G	<i>Perochirus ateles</i>	Yes	No	Yes	DB Dmale	Dehpelhi Id., Pohnpei, Federated States of Micronesia	JN393984	JQ945497	JQ945604	JQ945710	JN393946	JN393938
G	<i>Phelsuma borbonica</i>	Yes	No	No	JB 95	Réunion	HQ426305	HQ426479	HQ426561	HQ426388	HQ426216	JX041400
G	<i>Phelsuma laticauda</i>	Yes	No	No	TG 00232	Oahu, Hawaii	–	JQ945498	JQ945605	JQ945711	–	–
G	<i>Phelsuma laticauda</i>	Yes	No	No	FGZC 2705	Antalaha Airport, Madagascar	JQ945329	–	–	–	JQ945398	JX041401

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
G	<i>Phelsuma madagascariensis</i>	Yes	No	No	FG/MV 2002.797	Manongarivo, Madagascar	EF534811	EF534979	EF534937	EF534894	AB081507	JX041402
G	<i>Phelsuma modesta</i>	Yes	No	No	ZSM 35/2004	Ambovombe, Madagascar 22 km E	HQ426307	HQ426481	HQ426563	HQ426390	HQ426218	JX041403
G	<i>Phelsuma ocellata</i>	Yes	No	No	CAS 186351	Sendelingsdrif, Richtersveld National Park, Northern Cape, South Africa	HQ426308	HQ426482	HQ426564	HQ426391	HQ426219	JX041429
G	<i>Phelsuma rosagularis</i>	Yes	No	No	JB 109	Mauritius	HQ426306	HQ426480	HQ426562	HQ426389	HQ426217	JX041404
G	<i>Pseudogecko smaragdina</i>	Yes	No	No	KU 303995	Quezon, Philippines 20 km N	JQ945332	JQ945501	JQ945608	JQ945714	JQ945401	JX041420
G	<i>Ptenopus carpi</i>	No	N/A	No	CAS 214534	Swakopmund, Namibia	JQ945333	JQ945502	JQ945609	JQ945715	JQ945402	JX041422
G	<i>Ptychozoon kuhli</i>	Yes	No	No	RMB 1134	Malaysia	JQ945334	JQ945503	JQ945610	JQ945716	JQ945403	JX041423
G	<i>Ptychozoon lionatum</i>	Yes	No	No	CAS 221168	Bago Div., Myanmar	JQ945335	JQ945504	JQ945611	JQ945717	JQ945404	JX041424
G	<i>Rhoptropus afer</i>	Yes	No	No	MCZ R183711	Rössing Mt., Namibia	JQ945336	JQ945506	JQ945613	JQ945719	JQ945405	JX041430
G	<i>Rhoptropus boultoni</i>	Yes	No	No	CAS 214713	Twyfelfontein, Namibia	EF534810	EF534978	EF534936	EF534893	EF534852	JX041431
G	<i>Rhoptropus diporus</i>	Yes	No	No	MCZ R183737	Brandberg Wes Myn, Namibia	JQ945337	–	–	–	JQ945406	JX041432
G	<i>Rhoptropus diporus</i>	Yes	No	No	MCZ R183736	Brandberg Wes Myn, Namibia Dakhlet	–	JQ945507	JQ945614	JQ945720	–	–
G	<i>Stenodactylus sthenodactylus</i>	No	N/A	No	MVZ 235804	Nouâdhibou Region, Mauritania	JQ945339	–	–	–	JQ945408	JX041441

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
G	<i>Stenodactylus sthenodactylus</i>	No	N/A	No	TG 00181	Egypt	–	JQ945510	JQ945617	JQ945723	–	–
G	<i>Tenuidactylus caspius</i>	No	N/A	No	CAS 228602	Touran Protected Area, Semnan Prov., Iran	JQ945340	JQ945514	JQ945620	JQ945727	JQ945409	JX041448
G	<i>Tenuidactylus longipes</i>	No	N/A	No	CAS 228830	Tabas, Yazd Prov., Iran	JQ945341	JQ945515	JQ945621	JQ945728	JQ945410	JX041449
G	<i>Tropicolotes tripolitanus</i>	No	N/A	No	FMNH 262276	Niger	–	JQ945517	JQ945623	JQ945730	–	–
G	<i>Tropicolotes tripolitanus</i>	No	N/A	No	MVZ 238922	Tafokin, Agadez, Niger	JQ945343	–	–	–	JQ945412	JX041459
G	<i>Urocotyledon inexpectatus</i>	Yes	Yes	No	MCZF 38723	Island, Seychelles	JQ945344	JQ945518	JQ945624	JQ945731	JQ945413	JX041461
G	<i>Uroplatus giganteus</i>	Yes	Yes	Yes	ZSM 55/2005	Marojejy, Madagascar	EF490737	JQ945519	JQ945625	JQ945732	JQ945414	EF490790
G	<i>Uroplatus guentheri</i>	Yes	Yes	Yes	ZSM 476/2001	Ankarafantsika, Madagascar	EF490725	JQ945520	JQ945626	JQ945733	EF490699	EF490778
G	<i>Uroplatus henkeli</i>	Yes	Yes	Yes	FG/MV 2000.C1	Nosy Be, Madagascar	EF490743	–	–	–	EF490716	EF490796
G	<i>Uroplatus henkeli</i>	Yes	Yes	Yes	JFBM 15833	Madagascar	–	HQ426510	HQ426591	HQ426420	–	–
G	<i>Uroplatus phantasticus</i>	Yes	Yes	Yes	FG/MV 2002.640	Ranomafana, Madagascar	EF490746	HQ426511	HQ426592	HQ426421	EF490719	EF490799
Ph	<i>Asaccus platyrhynchus</i>	Yes	Yes	No	CAS 227605	Wilayat Nazwa, Oman	EU293625	EU293715	EU293670	EU293647	EU293693	JX041313
Ph	<i>Asaccus sp.</i>	Yes	Yes	No	JB 15	Mirbat, Oman	EU293626	EU293716	EU293671	EU293648	EU293694	JX041314
Ph	<i>Garthia gaudichaudii</i>	No	N/A	No	SC 1	Chile	HQ426281	HQ426454	HQ426536	HQ426361	HQ426192	JX041351
Ph	<i>Gymnodactylus amarali</i>	No	N/A	No	CHUNB 38646	Cocalzinho, Goiás, Brazil	HQ426288	HQ426457	HQ426539	HQ426364	HQ426199	JX041366
Ph	<i>Haemodracon riebeckii</i>	Yes	Yes	No	JB 11	Socotra Island, Yemen	EU293627	EU293717	EU293672	EU293649	EU293695	JX041367
Ph	<i>Homonota darwinii</i>	No	N/A	No	LJAMM	Puerto	EU293628	EU293718	EU293673	EU293650	EU293696	JX041373

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
					4601	Deseado, Santa Cruz, Argentina						
Ph	<i>Homonota fasciata</i>	No	N/A	No	TG 00085	Paraguay	EU293629	EU293719	EU293674	EU293651	EU293697	JX041374
Ph	<i>Phyllodactylus bordai</i>	Yes	Yes	No	AMCC 118242	Puebla, Mexico	HQ426309	HQ426483	HQ426565	HQ426392	HQ426220	JX041405
Ph	<i>Phyllodactylus bugastrolepis</i>	Yes	Yes	No	ROM 38489	Isla Santa Catalina, Baja California Sur, Mexico	EU293631	EU293721	EU293676	EU293653	EU293699	JX041406
Ph	<i>Phyllodactylus delcampoi</i>	Yes	Yes	No	JAC 21928	Guerrero, Mexico	HQ426310	HQ426484	HQ426566	HQ426393	HQ426221	JX041407
Ph	<i>Phyllodactylus homolepidurus</i>	Yes	Yes	No	MVZ 236267	Hermosillo, Sonora, Mexico	JQ945330	JQ945499	JQ945606	JQ945712	JQ945399	JX041408
Ph	<i>Phyllodactylus nocticolus</i>	Yes	Yes	No	ROM 39005	La Paz, Baja California Sur, Mexico	HQ426311	HQ426485	HQ426567	HQ426394	HQ426222	JX041409
Ph	<i>Phyllodactylus reissii</i>	Yes	Yes	No	JB 39	Peru	EU293632	EU293722	EU293677	EU293654	EU293700	JX041410
Ph	<i>Phyllodactylus tuberculosus</i>	Yes	Yes	No	KU 289758	PN El Imposible, Ahuachapán, El Salvador	EU293630	EU293720	EU293675	EU293652	EU293698	JX041411
Ph	<i>Phyllodactylus unctus</i>	Yes	Yes	No	ROM 39002	La Paz, Baja California Sur, Mexico	HQ426312	HQ426486	HQ426568	HQ426395	HQ426223	JX041412
Ph	<i>Phyllodactylus wirshingi</i>	Yes	Yes	No	TG 00722	Guanica, Puerto Rico	JQ945331	JQ945500	JQ945607	JQ945713	JQ945400	JX041413
Ph	<i>Phyllodactylus xanti</i>	Yes	Yes	No	ROM 38490	Baja California Sur, Mexico	EF534807	EF534975	EF534933	EF534890	EF534849	JX041414
Ph	<i>Phyllopezus lutzae</i>	Yes	No	Yes	CHUNB 50462	Mata de São João, Bahia, Brazil	HQ426265	HQ426438	HQ426522	HQ426345	HQ426177	JX041415

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
Ph	<i>Phyllopezus maranjonensis</i>	Yes	No	Yes	ZFMK 84995	Balsas, Amazonas, Peru	EU293633	EU293723	EU293678	EU293655	EU293701	JX041416
Ph	<i>Phyllopezus pollicaris pollicaris</i>	Yes	No	Yes	MZUSP 92491	Parque Nacional da Serra das Confusões, Piauí, Brazil	EU293635	EU293725	EU293680	EU293657	EU293702	JX041417
Ph	<i>Ptyodactylus guttatus</i>	Yes	Yes	No	TG 00072	Egypt	EU293636	EU293726	EU293681	EU293658	EU293703	JX041425
Ph	<i>Ptyodactylus</i> cf. <i>hasselquistii</i>	Yes	Yes	No	YPM 13609	unknown	EU293637	EU293727	EU293682	EU293659	EU293704	JX041426
Ph	<i>Tarentola americana</i>	Yes	No	No	MVZ 241223	13 km E of Pilon, Granma Province, Cuba	HQ426332	HQ426503	HQ426584	HQ426413	HQ426243	JX041442
Ph	<i>Tarentola chazaliae</i>	Yes	No	No	TG 00130	Morocco	EU293638	EU293728	EU293683	EU293660	EU293705	JX041443
Ph	<i>Tarentola delalandii</i>	Yes	No	No	JB 43	Canary Islands	EU293639	EU293729	EU293684	EU293661	EU293706	JX041444
Ph	<i>Tarentola deserti</i>	Yes	No	No	JB 44	unknown	HQ426333	HQ426504	HQ426585	HQ426414	HQ426244	JX041445
Ph	<i>Tarentola fascicularis</i>	Yes	No	No	JB 29	unknown	HQ426334	HQ426505	HQ426586	HQ426415	HQ426245	JX041446
Ph	<i>Tarentola mauritanica</i>	Yes	No	No	TG 00129	Egypt	EU293641	EU293731	EU293686	EU293663	EU293708	JX041447
Ph	<i>Thecadactylus rapicauda</i>	Yes	No	Yes	USNM 561446	St. Croix, U.S. Virgin Islands	EU293643	EU293733	EU293688	EU293665	EU293710	JX041456
Ph	<i>Thecadactylus rapicauda</i>	Yes	No	Yes	ENS 7108	Izabal, Guatemala	EU293642	EU293732	EU293687	EU293664	EU293709	JX041455
Ph	<i>Thecadactylus solimoensis</i>	Yes	No	Yes	KU 214929	Cuzco Amazonico, Madre de Dios, Peru	EU293644	EU293734	EU293689	EU293666	EU293711	JX041457
Ph	<i>Thecadactylus</i> sp.	Yes	No	Yes	JB 25	Union Id., St. Vincent and Grenadines	JQ945342	JQ945516	JQ945622	JQ945729	JQ945411	JX041458

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
Py	<i>Aprasia parapulchella</i>	No	N/A	No	MV D66569	Bendigo Whipstick, Victoria, Australia	HQ426260	HQ426433	AY134539	HQ426339	HQ426172	GU459941
Py	<i>Delma butleri</i>	No	N/A	No	SAM R36144	Coonbah, New South Wales, Australia	HQ426276	HQ426449	AY134548	HQ426356	HQ426187	AY134584
Py	<i>Delma tincta</i>	No	N/A	No	AMS 151607	Sturt Natl. Pk., NSW, Australia	HQ426277	HQ426450	AY172926	HQ426357	HQ426188	JX041347
Py	<i>Lialis burtonis</i>	No	N/A	No	TG 00078	Provinsi Papua, Indonesia	EF534782	EF534948	EF534906	EF534863	EF534822	JX024354
Py	<i>Ophidiocephalus taeniatus</i>	No	N/A	No	SAM R44653	Todmorden Station, South Australia, Australia	HQ426303	HQ426476	AY134565	HQ426385	HQ426214	AY134601
Py	<i>Paradelma orientalis</i>	No	N/A	No	QM J56089	20 km N Capella, Queensland, Australia	HQ426304	HQ426477	AY134569	HQ426386	HQ426215	AY134605
Py	<i>Pletholax gracilis</i>	No	N/A	No	WBJ 2483	Lesueur National Park, Western Australia, Australia	HQ426315	HQ426489	AY134566	HQ426398	HQ426227	AY134602
Py	<i>Pygopus lepidopodus</i>	No	N/A	No	WBJ 1206	Lesueur National Park, Western Australia, Australia	HQ426319	HQ426493	AY134567	HQ426402	HQ426231	AY134603
Py	<i>Pygopus nigriceps</i>	No	N/A	No	MVZ 197233	81 km S Alice Springs, Northern Territory, Australia	EF534783	EF534949	EF534907	EF534864	EF534823	JX024355

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
S	<i>Aristelliger georgeensis</i>	Yes	No	No	JB 101	unknown	HQ426261	HQ426434	HQ426518	HQ426340	HQ426173	JX041310
S	<i>Aristelliger lar</i>	Yes	No	No	JB 01	Dominican Republic	EF534805	EF534973	EF534931	EF534888	EF534847	JX041311
S	<i>Aristelliger praesignis</i>	Yes	No	No	USNM 337563	Kingston, St. Andrew Parish, Jamaica	HQ426262	HQ426435	HQ426519	HQ426342	HQ426174	JX041312
S	<i>Chatogekko amazonicus</i>	Yes	Yes	No	LSUMZ H-16400	Manaus, Amazonas, Brazil	HQ426268	HQ426441	HQ426525	HQ426348	HQ426179	JX041319
S	<i>Coleodactylus brachystoma</i>	Yes	Yes	No	MZUSP 92569	Piauí, Brazil	EF534792	EF534959	EF534917	EF534874	EF534833	JX041330
S	<i>Coleodactylus cf. brachystoma</i>	Yes	Yes	No	CHUNB 43901	São Domingos, Goiás, Brazil	HQ426270	HQ426443	HQ426527	HQ426350	HQ426181	JX041331
S	<i>Coleodactylus septentrionalis</i>	Yes	Yes	No	LSUMZ H-12351	Roraima, Brazil	EF534791	EF534958	EF534916	EF534873	EF534832	JX041332
S	<i>Euleptes europaea</i>	Yes	Yes	No	No ID	Liguria, Italy	EF534806	EF534974	EF534932	EF534889	EF534848	JN393941
S	<i>Gonatodes albogularis</i>	No	N/A	No	MVZ 204073	Limon, Costa Rica	EF534797	–	–	–	EF534839	JX041354
S	<i>Gonatodes albogularis</i>	No	N/A	No	KU 289808	San Salvador, El Salvador	–	EF534965	EF534923	EF534880	–	–
S	<i>Gonatodes alexandermendesi</i>	No	N/A	No	BPN 1303	Imbaimadai, Guyana	EF534798	EF534966	EF534924	EF534881	EF534840	JX041355
S	<i>Gonatodes annularis</i>	No	N/A	No	ROM 22961	Guyana	–	EF534961	EF534919	EF534876	–	–
S	<i>Gonatodes annularis</i>	No	N/A	No	No ID	French Guiana	EF534794	–	–	–	EF534835	JX041356
S	<i>Gonatodes caudiscutatus</i>	No	N/A	No	KU 218359	Limon, Ecuador	EF534795	EF534962	EF534920	EF534877	EF534836	JX041357
S	<i>Gonatodes ceciliae</i>	No	N/A	No	TG 00039	Trinidad	–	EF564114	EF564088	EF564062	HQ426193	JX041358
S	<i>Gonatodes concinnatus</i>	No	N/A	No	LSUMZ H-12688	Sucumbios, Ecuador	HQ426282	EF564096	EF564070	EF564044	HQ426194	JX041359
S	<i>Gonatodes daudini</i>	No	N/A	No	JB 38	Union Id., St. Vincent and Grenadines	EF534793	EF534960	EF534918	EF534875	EF534834	JX041360
S	<i>Gonatodes humeralis</i>	No	N/A	No	MF 19492	Ecuador	EF534796	EF534964	EF534922	EF534879	EF534838	JX041361

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
S	<i>Gonatodes ocellatus</i>	No	N/A	No	TG 00038	Tobago	HQ426284	EF564098	EF564072	EF564046	HQ426196	JX041362
S	<i>Gonatodes vittatus</i>	No	N/A	No	TG 00040	Trinidad	HQ426285	EF564112	EF564086	EF564060	–	JX041363
S	<i>Lepidoblepharis</i> sp.	No	N/A	No	KU 218367	Manabi, Ecuador	EF534789	EF534956	EF534914	EF534871	EF534830	JX041375
S	<i>Lepidoblepharis xanthostigma</i>	No	N/A	No	MVZ 171438	Limon, Costa Rica	EF534790	EF534957	EF534915	EF534872	EF534831	JX041376
S	<i>Pristurus carteri</i>	No	N/A	No	TG 00083	Yemen	EF534803	EF534971	EF534929	EF534886	EF534845	JX041419
S	<i>Pseudogonatodes guianensis</i>	No	N/A	No	KU 222142	Loreto, Peru	EF534784	EF534950	EF534908	EF534865	EF534824	JX041421
S	<i>Quedenfeldtia moerens</i>	No	N/A	No	JB 77	Morocco	HQ426320	HQ426494	HQ426574	HQ426403	HQ426232	JX041427
S	<i>Quedenfeldtia trachyblepharus</i>	No	N/A	No	MVZ 178121	Oukaimeden, Morocco	EF534804	EF534972	EF534930	EF534887	EF534846	JX041428
S	<i>Saurodactylus brosseti</i>	No	N/A	No	TG 00082	Morocco	EF534802	EF534970	EF534928	EF534885	EF534844	JX041433
S	<i>Saurodactylus fasciatus</i>	No	N/A	No	DJH M616	Zumi, Morocco	HQ426322	HQ426495	HQ426576	HQ426405	HQ426234	JX041434
S	<i>Saurodactylus mauritanicus</i>	No	N/A	No	DJH Sm61	NW of Ain Benimather, Morocco	HQ426323	HQ426496	HQ426577	HQ426406	HQ426235	JX041435
S	<i>Sphaerodactylus argus</i>	Yes	Yes	No	TG 00125	Key West, Florida, USA	HQ426324	HQ426497	HQ426578	HQ426407	HQ426236	JX041436
S	<i>Sphaerodactylus elegans</i>	Yes	Yes	No	YPM 14795	Monroe County, Florida, USA	EF534787	EF534954	EF534912	EF534869	EF534828	JN393942
S	<i>Sphaerodactylus glaucus</i>	Yes	Yes	No	JAC 24229	Oaxaca, Mexico	HQ426325	HQ426498	HQ426579	HQ426408	HQ426237	JX041437
S	<i>Sphaerodactylus nicholsi</i>	Yes	Yes	No	TG 00211	Bahia de la Ballena, Puerto Rico	HQ426328	HQ426501	HQ426582	HQ426411	HQ426240	JX041438
S	<i>Sphaerodactylus nigropunctatus</i>	Yes	Yes	No	FLMNH 144010	Long Island, Bahamas	HQ426329	EF534953	EF534911	EF534868	EF534827	JX041439
S	<i>Sphaerodactylus roosevelti</i>	Yes	Yes	No	CAS 198428	Bahia de la Ballena, Puerto Rico	EF534785	EF534951	EF534909	EF534866	EF534825	JN393943

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
S	<i>Sphaerodactylus torrei</i>	Yes	Yes	No	JB 34	Cuba	EF534788	EF534955	EF534913	EF534870	EF534829	JX041440
S	<i>Teratoscincus keyserlingii</i>	No	N/A	No	CAS 228808	Yazd Province, Iran	EF534801	HQ426508	HQ426589	HQ426418	EF534843	JX041450
S	<i>Teratoscincus microlepis</i>	No	N/A	No	TG 00074	Pakistan	EF534800	EF534968	EF534926	EF534883	EF534842	JX041451
S	<i>Teratoscincus przewalskii</i>	No	N/A	No	JFBM 15828	China	HQ426335	HQ426507	HQ426588	HQ426417	HQ426246	JX041452
S	<i>Teratoscincus roborowskii</i>	No	N/A	No	TG 00070	China	EF534799	EF534967	EF534925	EF534882	EF534841	JX041453
S	<i>Teratoscincus scincus</i>	No	N/A	No	JFBM 14252	Turkmenistan	HQ426336	EF534969	EF534927	EF534884	HQ426247	JX041454
o	<i>Amphisbaena alba</i>	No	N/A	No	CHUNB 38770	Distrito Federal, Brasil	AY662619	DQ119633	AY444016	HQ426422	HQ426249	AY662541
o	<i>Anolis carolinensis</i>	Yes	N/A	No	JBL SC1	South Carolina, USA	ENSACAT0000005087	ENSACAT0000005084	ENSACAG00000017993	ENSACAT000004095	ENSACAT00000001314	-
0	<i>Anolis carolinensis</i>	Yes	N/A	No	JBL 982	Louisiana, USA	-	-	-	-	-	AF294279
o	<i>Aspidoscelis tigris</i>	No	N/A	No	TG 00069	Maricopa County, Arizona, USA	AY662620	HQ426512	AF039481	HQ426423	HQ426250	U71332
o	<i>Dibamus bouretti</i>	No	N/A	No	ROM 36056	Quang Thanh, Cao Bang, Vietnam	AY662645	HQ426513	AY662574	HQ426424	HQ426251	AY662562
o	<i>Elgaria kingii</i>	No	N/A	No	TG 00065	Navajo County, Arizona, USA	AY662603	HQ426514	AF039479	HQ426425	HQ426252	AF085618
o	<i>Gallus gallus</i>	No	N/A	No	-	-	NM001031188	AY443150	AY056925	NM001031191	XM426634	X52392
o	<i>Heloderma suspectum</i>	No	N/A	No	TG 00068	Arizona, USA	AY662606	DQ119635	AY662566	HQ426427	HQ426254	AB167711
o	<i>Plestiodon inexpectatus</i>	No	N/A	No	TG 00792	Florida, USA	AY662632	DQ119628	AY217888	HQ426426	HQ426253	AY607297
o	<i>Podarcis sicula</i>	No	N/A	No	TG 00124	Topeka, Kansas, USA	EF632239	DQ119630	EF679329	HQ426428	HQ426255	NC011609

Family	Species	Toepads present	Leaf-toed morphology	Para-phalanges	ID	Locality	RAG1	RAG2	C-MOS	ACM4	PDC	ND2 + tRNAs
o	<i>Ramphotyphlops braminus</i>	No	N/A	No	No ID	Minneapolis, Minnesota, USA	AY662612	HQ426515	AF544717	HQ426429	HQ426256	AY662539
o	<i>Rhineura floridana</i>	No	N/A	No	FLMNH 141814	Alachua County, Florida, USA	AY662618	DQ119631	AY487347	EF534899	EU29371	AY605473
o	<i>Sphenodon punctatus</i>	No	N/A	No	No ID	New Zealand	AY662576	HQ426516	AF039483	HQ426430	HQ426257	AF534390
o	<i>Tiliqua rugosa</i>	No	N/A	No	JFBM 13685	New South Wales, Australia	EF534815	EF534983	EF534941	EF534898	EF534856	JX041462
o	<i>Xantusia vigilis</i>	No	N/A	No	TG 00121	Los Angeles County, California, USA	AY662642	DQ119626	AF148703	HQ426431	HQ426258	U71328