

## Supplemental Information

Supplemental Table 1: List of *Cyrtodactylus chaunghanakwaensis* and *C. pharbaungensis* specimens used for RADseq and PCR.

Species	ID	Sex	Locality
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13294	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13296	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13297	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13299	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13301	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13303	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13304	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13306	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13307	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13309	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13310	female	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13295	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13298	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13300	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13302	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13305	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13308	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13312	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13313	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13314	male	16.18456°N, 97.98814°E
<i>Cyrtodactylus pharbaungensis</i>	LSUHC13373	female	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaungensis</i>	LSUHC13374	female	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaungensis</i>	LSUHC13377	female	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaungensis</i>	LSUHC13378	female	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaungensis</i>	LSUHC13380	female	16.22866°N, 97,94,236°E

<i>Cyrtodactylus pharbaugensis</i>	LSUHC13384	female	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13385	female	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13389	female	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13390	female	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13371	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13372	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13375	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13376	male	16.22866°N, 97,94,236°E)
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13379	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13381	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13382	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13383	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13386	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13387	male	16.22866°N, 97,94,236°E
<i>Cyrtodactylus pharbaugensis</i>	LSUHC13388	male	16.22866°N, 97,94,236°E

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Supplemental Table 2: List of specimens, voucher ID, and GenBank Accession Number for the ND2 sequence data.

<b>Species</b>	<b>Voucher</b>	<b>GenBank Number</b>
<i>Agamura persica</i>	MNH 247474	JX440515
<i>Alsophylax pipiens</i>	CAS 238804	KC151973
<i>Altiphylax stoliczkai</i>	CES 10/1237	KJ794404
<i>Crossobamon orientalis</i>	ID 7607	KC151975
<i>Cyrtodactylus adorus</i>	Cyad PR1	HQ401165
<i>Cyrtodactylus aequalis</i>	LSUHC 12895	MF872275
<i>Cyrtodactylus agusanensis</i>	KU 320009	HQ154529
<i>Geckoella albofasciatus</i>	CES 09/1117	KM878625
<i>Cyrtopodion aravallensis</i>	CES 13/1458	KJ794406
<i>Cyrtopodion mansarulus</i>	CES 11/1319	KJ794414
<i>Cyrtopodion scabrum</i>	TG 109	JX041345
<i>Dravidogecko janakiae</i>	BNHS2357	MN520268
<i>Hemidactylus aaronbaueri</i>	CES14023	MN482222
<i>Hemidactylus acanthopholis</i>	CES 14009	MG711530
<i>Hemidactylus albofasciatus</i>	BNHS 1579	EU268378
<i>Hemidactylus anamallensis</i>	ZSIK 2969	MN520264
<i>Hemidactylus angulatus</i>	EBG 746	HM559620
<i>Hemidactylus ansorgii</i>	ZFMK 87671	MN843756
<i>Hemidactylus aquilonius</i>	CAS 228109	EU268374
<i>Hemidactylus bayonii</i>	CAS 263352	MN843764
<i>Hemidactylus benguellensis</i>	CAS 258530	MN843788
<i>Hemidactylus bowringii</i>	CAS 206649	EU268373
<i>Hemidactylus brasilianus</i>	MZUSP 92493	EU268351
<i>Hemidactylus brookii</i>	CAS 229632	GQ458051
<i>Hemidactylus cf. gleadowi</i>	CES11014	MH454761
<i>Hemidactylus cf. kushmorensis</i>	CES11065	MH454765
<i>Hemidactylus craspedotus</i>	LSHC 5613	HM559618
<i>Hemidactylus depressus</i>	AMB 7481	HM559625
<i>Hemidactylus fasciatus</i>	CAS 207777	EU268371
<i>Hemidactylus flaviviridis</i>	KUZ R72238	AB937992
<i>Hemidactylus frenatus</i>	LLG 4871	GQ458049
<i>Hemidactylus garnotii</i>	CAS 223286	EU268363
<i>Hemidactylus giganteus</i>	JB 03	HM559632
<i>Hemidactylus gracilis</i>	BNHS 1592	EU268379
<i>Hemidactylus graniticolus</i>	CES15257	MH454763
<i>Hemidactylus greeffi</i>	CAS 219044	EU268369
<i>Hemidactylus haitianus</i>	AMB 4188	HM559633

<i>Hemidactylus hemchandrai</i>	CES16279	MH454764
<i>Hemidactylus hunae</i>	AMB 7416	HM559640
<i>Hemidactylus imbricatus</i>	TG 00568	EU268354
<i>Hemidactylus kangerensis</i>	CES14184	MK569823
<i>Hemidactylus karenorum</i>	CAS 210670	EU268362
<i>Hemidactylus lankae</i>	AMB 7453	HM559648
<i>Hemidactylus leschenaultii</i>	AMB 7443	HM559635
<i>Hemidactylus longicephalus</i>	CAS 218939	HM559637
<i>Hemidactylus mabouia</i>	YPM 14798	HM559639
<i>Hemidactylus macropholis</i>	CAS 227520	JX041369
<i>Hemidactylus maculatus</i>	BNHS 1516	HM559641
<i>Hemidactylus malcolmsmithi</i>	IAG061	MK569842
<i>Hemidactylus mercatorius</i>	AMNH R- 16825	MN843845
<i>Hemidactylus muriceus</i>	MVZ 249709	MN843848
<i>Hemidactylus murrayi</i>	CAS 206638	GQ458054
<i>Hemidactylus nzingae</i>	CAS 258424	MN843864
<i>Hemidactylus paivae</i>	CAS 263311	MN843873
<i>Hemidactylus palaichthus</i>	LSUMZ H-12421	EU268368
<i>Hemidactylus parvimaculatus</i>	ADS36	GQ458053
<i>Hemidactylus persicus</i>	CAS 227612	EU268377
<i>Hemidactylus platyurus</i>	KU 304111	HM559619
<i>Hemidactylus prashadi</i>	JB 30	HM559643
<i>Hemidactylus reticulatus</i>	CES13062	MH454767
<i>Hemidactylus robustus</i>	MVZ 248437	EU268376
<i>Hemidactylus sahgali</i>	JB 08	HM559650
<i>Hemidactylus sataraensis</i>	CES14220	MH454768
<i>Hemidactylus scabriceps</i>	CES12008	MH454769
<i>Hemidactylus subtriedruss</i>	JB noID	HM627909
<i>Hemidactylus sushilduttai</i>	CES11079	MN482236
<i>Hemidactylus tenkatei</i>	USNM 579728	KM975945
<i>Hemidactylus treutleri</i>	CES14116	MN482237
<i>Hemidactylus triedruss</i>	NCBS AU703	MH666065
<i>Hemidactylus turcicus</i>	LSU1981	EU268360
<i>Hemidactylus vanam</i>	BNHS 2329	MG711532
<i>Hemidactylus whitakeri</i>	NCBS-AU713	MH666066
<i>Hemidactylus yajurvedi</i>	CES12006	MH454772
<i>Mediodactylus russowii</i>	JX440517	JX440517
<i>Stenodactylus slevini</i>	MAM 3066	KC151986
<i>Stenodactylus yemenensis</i>	MVZ 236566	HQ443548
<i>Tenuidactylus caspius</i>	CAS 228602	KC151988

<i>Tropiocolotes confusus</i>	TMHC406	MG990926
<i>Tropiocolotes nubicus</i>	JB123	KC151991
<i>Tropiocolotes scortecii</i>	CN8984	MG990930
<i>Tropiocolotes somalicus</i>	TMHC455	MG990931
<i>Tropiocolotes steudneri</i>	JB 28	JX440520
<i>Cyrtodactylus Dayang</i>		USNMHC_2396
<i>Cyrtodactylus Mizoram</i>	CES13/1455	KM255197
<i>Cyrtodactylus adorus</i>	Cyad.SH2	KT363927
<i>Cyrtodactylus aequalis</i>	LSUHC 12895	MF872275
<i>Cyrtodactylus agusanensis</i>	KU 320016	HQ154532
<i>Cyrtodactylus albofasciatus</i>	CES09/1117	KM878625
<i>Cyrtodactylus angularis</i>	CUMZ<THA>:R:2005.07.30.138	GU550717
<i>Cyrtodactylus annandalei</i>	CAS 215722	JX440524
<i>Cyrtodactylus annulatus</i>	KU 314945	JX678807
<i>Cyrtodactylus arcanus</i>	AMS R124559	JQ820314
<i>Cyrtodactylus astrum</i>	LSUHC 10024	JX519472
<i>Cyrtodactylus aunglini</i>	LSUHC 13948	MH764589
<i>Cyrtodactylus auralensis</i>	LSUHC 7346	KT013127
<i>Cyrtodactylus aurensis</i>	LSUHC 7286 NADH	JX440525
<i>Cyrtodactylus auribalteatus</i>	CyAuNRZ001	AP018116
<i>Cyrtodactylus australotitiwangsaensis</i>	LSUHC 6637	JX519484
<i>Cyrtodactylus ayeyarwadyensis</i>	CAS 212459	JX440526
<i>Cyrtodactylus badenensis</i>	Tr 0001	MT953468
<i>Cyrtodactylus baluensis</i>	SPM 06891	GU366079
<i>Cyrtodactylus bansocensis</i>	VFU R.2015.20	MT953469
<i>Cyrtodactylus battalensis</i>	PMNH 2303	KC151984
<i>Cyrtodactylus batucolus</i>	LSUHC 8933	JQ889178
<i>Cyrtodactylus bayinnyiensis</i>	LSUHC 13265	MH198647
<i>Cyrtodactylus bichnganae</i>	UNS 0473	MF169953
<i>Cyrtodactylus bidoupimontis</i>	VNMN 03375	MT953470
<i>Cyrtodactylus bintangrendah</i>	LSUHC 9984	JX519487
<i>Cyrtodactylus bintangtinggi</i>	LSUHC 9006	JX519494
<i>Cyrtodactylus bokorensis</i>	LSUHC 8542	KT013147
<i>Cyrtodactylus boreoclivus</i>	ABTC47722	JQ820307
<i>Cyrtodactylus brevidactylus</i>	CAS214104	JX440527
<i>Cyrtodactylus brevipalmatus</i>	USMHC 2555	MT953472
<i>Cyrtodactylus bugiamapensis</i>	IEBR A.2011.3B	MT953473
<i>Cyrtodactylus calamei</i>	NUOL R-2105.22	MT953474
<i>Cyrtodactylus caovansungi</i>	UNS 0304	MF169954
<i>Cyrtodactylus capreoloides</i>	SAMA R66092	JQ820310

<i>Cyrtodactylus cardamomensis</i>	FMNH 263345	KT013115
<i>Cyrtodactylus cattienensis</i>	UNS 0389	MF169956
<i>Cyrtodactylus cavernicolus</i>	LSUHC4056	JX440528
<i>Cyrtodactylus</i> cf. <i>agamensis</i>	ENS 19694	MH248907
<i>Cyrtodactylus</i> cf. <i>fasciolatum</i>	CES09/1196	KM255172
<i>Cyrtodactylus</i> cf. <i>fasciolatum</i>	CES11/1257	KM255185
<i>Cyrtodactylus</i> cf. <i>serratus</i>	SAMA R62635	JQ820297
<i>Cyrtodactylus</i> cf. <i>peciosus</i>	CES09/1249	KM878629
<i>Cyrtodactylus chamba</i>	CES11/1291	KM255191
<i>Cyrtodactylus chanhomeae</i>	CUMZ2003.62	JX440529
<i>Cyrtodactylus chaunghanakwaensis</i>	LSUHC13299	MH198644
<i>Cyrtodactylus chauquangensis</i>	NA2016.1	MT953475
<i>Cyrtodactylus chrysopylos</i>	LSUHC 13901	MH764601
<i>Cyrtodactylus collegalensis</i>	CES09/1403	KX632365
<i>Cyrtodactylus condorensis</i>	LSUHC 8587	KT013196
<i>Cyrtodactylus consobrinus</i>	FMNH:230113	GU550725
<i>Cyrtodactylus cucdongensis</i>	UNS 0544	MF169959
<i>Cyrtodactylus cucphuongensis</i>	CP 17.02	MT953477
<i>Cyrtodactylus dammathetensis</i>	LSUHC 12863	MF872277
<i>Cyrtodactylus darmandvillei</i>	WAMR 98719	KU232618
<i>Cyrtodactylus dati</i>	LSUHC 11416	KT013104
<i>Cyrtodactylus dattkyaik</i>	AP018116	MN534902
<i>Cyrtodactylus deccanensis</i>	CES09/1112	KM878615
<i>Cyrtodactylus durio</i>	LSUHC 9725	KU893159
<i>Cyrtodactylus eisenmanae</i>	LSUHC 8598	JX440534
<i>Cyrtodactylus elok</i>	LSUHC 6471	JQ889180
<i>Cyrtodactylus epiroticus</i>	BPBM:39342	KT363952
<i>Cyrtodactylus equestris</i>	AMS R135520	KT835458
<i>Cyrtodactylus evanquahi</i>	BYU 53435	MN586889
<i>Cyrtodactylus fasciolatus</i>	CES11/1337	KM255184
<i>Cyrtodactylus gansi</i>	CAS222412	JX440537
<i>Cyrtodactylus gialaiensis</i>	VNUF R.2017.1	MT953479
<i>Cyrtodactylus grismeri</i>	LSUHC8638	JX440538
<i>Cyrtodactylus guakanthanensis</i>	LSUHC 11322	KU253576
<i>Cyrtodactylus gubaot</i>	KU:309336	GU550779
<i>Cyrtodactylus gubernatoris</i>	CES10/1235	KM255204
<i>Cyrtodactylus gunungsenyumensis</i>	LSUHC 12200	KU253584
<i>Cyrtodactylus guwahatiensis</i>	CES09/1127	KM255194
<i>Cyrtodactylus hidupselamanya</i>	LSUHC:12173	KX011420
<i>Cyrtodactylus himalayanus</i>	CES11/1317	KM255187

<i>Cyrtodactylus hinnamnoensis</i>	VNUF R.2015.3	MT953480
<i>Cyrtodactylus hontreensis</i>	LSUHC8583	JX440539
<i>Cyrtodactylus hoskini</i>	Cyho.GC4	KT363931
<i>Cyrtodactylus huongsonensis</i>	IEBR A.2011.3A	MT953481
<i>Cyrtodactylus huynhi</i>	UNS 0413	MF169963
<i>Cyrtodactylus ingeri_BRK702</i>	BRK702	MN884158
<i>Cyrtodactylus interdigitalis</i>	FMNH:255454	JQ889181
<i>Cyrtodactylus intermedius</i>	LSUHC 8490	KT013138
<i>Cyrtodactylus inthanon</i>	AA06195	XXXXX
<i>Cyrtodactylus irregularis</i>	FMNH:HERP:258697	JX041341
<i>Cyrtodactylus jaegeri</i>	NUOL R.2013.1	MT953482
<i>Cyrtodactylus jaintiaensis</i>	CES10/1228	KM255195
<i>Cyrtodactylus jambangan</i>	KU:314835	GU366102
<i>Cyrtodactylus jarakensis</i>	LSUHC 8990	XXXXX
<i>Cyrtodactylus jarujini</i>	FMNH255472	JX440541
<i>Cyrtodactylus jelawangensis</i>	LSUHC 11062	KJ659852
<i>Cyrtodactylus jellesmae</i>	MVZ239337	JX440542
<i>Cyrtodactylus jeyporensis</i>	CES09/1356	KM878616
<i>Cyrtodactylus kazirangaensis</i>	CES09/1128	KM255170
<i>Cyrtodactylus khasiensis</i>	CES10/1229	KM255188
<i>Cyrtodactylus kimberleyensis</i>	WAM R164144	JX440544
<i>Cyrtodactylus kingsadai</i>	IEBR A.2013.3	MT953483
<i>Cyrtodactylus klugei</i>	BPBM:1974	HQ401197
<i>Cyrtodactylus laangensis</i>	LSUHC 8770	KT013158
<i>Cyrtodactylus langkawiensis</i>	LSUHC:9120	JX519502
<i>Cyrtodactylus lateralis</i>	MZB:13174	KU893162
<i>Cyrtodactylus lawderanus</i>	CES11/1276	KM255190
<i>Cyrtodactylus leegrimeri</i>	UNS 0449	KT013201
<i>Cyrtodactylus lekaguli</i>	ZMKU<THA>:R00720	KX011425
<i>Cyrtodactylus lenggongensis</i>	LSUHC:9975	JX519488
<i>Cyrtodactylus lenya</i>	USNM:Herp:587788	KY041653
<i>Cyrtodactylus limajalur</i>	CAS262946	MK477177
<i>Cyrtodactylus linnoensis</i>	LSUHC 12825	MF872295
<i>Cyrtodactylus linnwayensis</i>	LSUHC 12984	MF872288
<i>Cyrtodactylus lomyenensis</i>	UNS 0534	MF169966
<i>Cyrtodactylus loriae</i>	ABTC49742	JQ820299
<i>Cyrtodactylus louisadensis</i>	BPBM:19741	HQ401190
<i>Cyrtodactylus macrotuberculatus</i>	LSUHC:10037	JX519519
<i>Cyrtodactylus majulah</i>	ZRC:26951	JX988529
<i>Cyrtodactylus malayanus</i>	RMBR:00867	GU550733

<i>Cyrtodactylus marmoratus</i>	TNHC59549	JX440546
<i>Cyrtodactylus martini</i>	UNS 0471	MF169968
<i>Cyrtodactylus mcdonaldi</i>	QM:QMJ87078	HQ401139
<i>Cyrtodactylus medioclivus</i>	AMS R122411	JQ820294
<i>Cyrtodactylus meersi</i>	LSUHC 13455	MH624104
<i>Cyrtodactylus metropolis</i>	LSUHC 11344	KU253578
<i>Cyrtodactylus mimikanus</i>	MZB 5343	JQ820316
<i>Cyrtodactylus mombergi</i>	MN059869	LSUHC 14591
<i>Cyrtodactylus montanus</i>	CES10/1211	KM255200
<i>Cyrtodactylus muluensis</i>	CAS262981	MK477167
<i>Cyrtodactylus murua</i>	BPBM:37342	KT363953
<i>Cyrtodactylus myaleiktaung</i>	LSUHC 13948	MH764589
<i>Cyrtodactylus nagalandensis</i>	CES10/1233	KM255199
<i>Cyrtodactylus naungkayaingensis</i>	LSUHC13207	MH198664
<i>Cyrtodactylus nebulosus</i>	CES09/1351	KM878618
<i>Cyrtodactylus nigriocularis</i>	VNMN2184	XXXXXX
<i>Cyrtodactylus novaeguineae</i>	MS:R135520	KT363956
<i>Cyrtodactylus nyinyikyawi</i>	CAS:226139	MH624118
<i>Cyrtodactylus oldhami</i>	MS585	MF872302
<i>Cyrtodactylus pageli</i>	ZFMK 91827	XXXXXX
<i>Cyrtodactylus pantiensis</i>	LSUHC 8906	JQ889185
<i>Cyrtodactylus papuensis</i>	SAMA R62652	JQ820320
<i>Cyrtodactylus payacola</i>	JQ889190	JQ889190
<i>Cyrtodactylus payarhtanensis</i>	USNM:Herp:587408	KY041654
<i>Cyrtodactylus peguensis</i>	LSUHC 13454	MH756190
<i>Cyrtodactylus petani</i>	MZBLace 11706	KU232620
<i>Cyrtodactylus pharbaungensis</i>	BYU:52215	MF872303
<i>Cyrtodactylus philippinicus</i>	KU:303842	GU550825
<i>Cyrtodactylus phonghakebangensis</i>	UNS 0347	MF169970
<i>Cyrtodactylus phuocbinhensis</i>	KH-Res041	XXXXXX
<i>Cyrtodactylus phuquocensis</i>	UNS 0273	MF169971
<i>Cyrtodactylus pinlaungensis</i>	LSUHC 14279	MN030634
<i>Cyrtodactylus pronarus</i>	HQ401152	HQ401152
<i>Cyrtodactylus psarops</i>	UTA:61580	KR921705
<i>Cyrtodactylus pseudoquadrivirgatus</i>	UNS 0249	MF169972
<i>Cyrtodactylus pubisulcus</i>	LSUHC4069	JX440551
<i>Cyrtodactylus puhuensis</i>	ND 01.15	XXXXXX
<i>Cyrtodactylus pulchellus</i>	LSUHC 6729	MF169974
<i>Cyrtodactylus pyadalinensis</i>	CAS:226142	MH624105
<i>Cyrtodactylus pyinyaungensis</i>	BYU:52234	MF872307



<i>Cyrtodactylus quadrivirgatus</i>	LSUHC 4813	MF169975
<i>Cyrtodactylus redimiculus</i>	PNM:1468	GU550738
<i>Cyrtodactylus rex</i>	SAMA R67637	KT835460
<i>Cyrtodactylus rishivalleyensis</i>	CES09/1452	KX698081
<i>Cyrtodactylus robustus</i>	BPBM19731	JX440554
<i>Cyrtodactylus rosichonariefi</i>	MZB:Lace12133	KP256188
<i>Cyrtodactylus rubidus</i>	CES13/1445	KM255203
<i>Cyrtodactylus russelli</i>	CAS226137	JX440555
<i>Cyrtodactylus sadanensis</i>	LSUHC 12853	MF872324
<i>Cyrtodactylus sadansinensis</i>	BYU:52220	MF872325
<i>Cyrtodactylus sadleiri</i>	AMS152676	MH105038
<i>Cyrtodactylus saiyok</i>	MS484	MF872308
<i>Cyrtodactylus salomonensis</i>	AMS134930	JX440556
<i>Cyrtodactylus sanpelensis</i>	LSUHC 12889	MF872345
<i>Cyrtodactylus semenanjungensis</i>	LSUHC 8900	JQ889177
<i>Cyrtodactylus semicinctus</i>	ENS 14966	KR921713
<i>Cyrtodactylus septentrionalis</i>	BNHS 1989	MH971164
<i>Cyrtodactylus septimontium</i>	NAP 05322	MH940233
<i>Cyrtodactylus seribuatensis</i>	LSUHC 6348	JX440557
<i>Cyrtodactylus sermowaiensis</i>	ABTC47761	JQ820296
<i>Cyrtodactylus sharkari</i>	LSUHC 11022	KJ659853
<i>Cyrtodactylus shwetaungorum</i>	LSUHC 12898	MF872353
<i>Cyrtodactylus sinyineensis</i>	LSUHC 12836	MF872355
<i>Cyrtodactylus slowinskii</i>	CAS210205	JX440559
<i>Cyrtodactylus sommerladi</i>	VNUF R.2013.22	MT953490
<i>Cyrtodactylus soni</i>	IEBR R.2016.4	MT953491
<i>Cyrtodactylus sonlaensis</i>	IEBR A.2017.1	MT953492
<i>Cyrtodactylus soudthichaki</i>	VFU R.2015.18	MT953493
<i>Cyrtodactylus sp_11_IA_2014</i>	CES09/1197	KM255181
<i>Cyrtodactylus sp_2_IA_2014</i>	CES10/1459	KM255192
<i>Cyrtodactylus sp_2_PLW_2015</i>	LSUHC 11414	KT013199
<i>Cyrtodactylus sp_3_IA_2014</i>	CES10/1465	KM255193
<i>Cyrtodactylus sp_6_IA_2014</i>	CES10/1464	KM255196
<i>Cyrtodactylus sp_Borneo</i>	BRK623	MF706373
<i>Cyrtodactylus sp_CDS_2010a</i>	RMBR:00321	GU550728
<i>Cyrtodactylus sp_Gobe_Ridg</i>	SAMA R62654	JQ820322
<i>Cyrtodactylus sp_Huon_Peninsula</i>	SAMA R65954	JQ820318
<i>Cyrtodactylus sp_KAC_2015a</i>	ENS:15784	KR921689
<i>Cyrtodactylus sp_KAC_2015a</i>	ENS:15813	KR921697
<i>Cyrtodactylus sp_KAC_2015a</i>	ENS:13779	KR921699

<i>Cyrtodactylus sp_KAC_2015a</i>	MZB:9676	KR921700
<i>Cyrtodactylus sp_KAC_2015a</i>	ENS:14656	KR921711
<i>Cyrtodactylus sp_KAC_2015a</i>	ENS:15575	KR921720
<i>Cyrtodactylus sp_Kai_Islands</i>	XXXXXX	MF706380
<i>Cyrtodactylus sp_Timor</i>	USNM579045	JX440560
<i>Cyrtodactylus sp_WAMR_107499</i>	WAMR 107499	KU232623
<i>Cyrtodactylus sp_WAMR_109089</i>	WAMR 109089	KU232625
<i>Cyrtodactylus sp_WAMR_109893</i>	WAMR 109893	KU232621
<i>Cyrtodactylus sp_WAMR_112000</i>	WAMR 112000	KU232624
<i>Cyrtodactylus spMH248914</i>	ENS 18711	MH248914
<i>Cyrtodactylus spMH248938</i>	ENS 13779	MH248938
<i>Cyrtodactylus spMH248941</i>	ENS 13748	MH248941
<i>Cyrtodactylus spinosus</i>	MZB 7024	MT953494
<i>Cyrtodactylus srilekhae</i>	CES09/1536	KX698084
<i>Cyrtodactylus sumuroi</i>	KU:310798	GU550772
<i>Cyrtodactylus sworderi</i>	LSUHC 7685	JQ889189
<i>Cyrtodactylus takouensis</i>	UNS 0486	MF169978
<i>Cyrtodactylus tanim</i>	SJR1470	MF706378
<i>Cyrtodactylus taungwineensis</i>	LSUHC 14115	MN534925
<i>Cyrtodactylus tautbatorum</i>	KU:309322	GU550752
<i>Cyrtodactylus taybacensis</i>	IEBR4379	MT953495
<i>Cyrtodactylus tebuensis</i>	LSUHC 10903	JX988528
<i>Cyrtodactylus teyniei_1</i>	KM2012.14	MT953496
<i>Cyrtodactylus thirakhupti</i>	XXXXXX	AP018115
<i>Cyrtodactylus thylacodactylus</i>	LSUHC 9319	KT013163
<i>Cyrtodactylus tibetanus</i>	MVZ233251	JX440561
<i>Cyrtodactylus tigroides</i>	IRSNB2380	JX440562
<i>Cyrtodactylus timur</i>	KJ659857	KJ659857
<i>Cyrtodactylus tiomanensis</i>	JAM 1879	GU550734
<i>Cyrtodactylus triedrus</i>	ADS35	JX440522
<i>Cyrtodactylus trilatofasciatus</i>	JX519530	JX519530
<i>Cyrtodactylus tripartitus</i>	JQ820317	JQ820317
<i>Cyrtodactylus triperanensis</i>	CES10/1216	KM255183
<i>Cyrtodactylus tuberculatus</i>	QM:J88555	KT363943
<i>Cyrtodactylus varadgirii</i>	BNHS 2099	KX632368
<i>Cyrtodactylus vilaphongi</i>	IEBR A.2013.103	MT953497
<i>Cyrtodactylus wayakonei</i>	ZFMK91016	MT953498
<i>Cyrtodactylus welpyanensis</i>	LSUHC 12785	MF872360
<i>Cyrtodactylus yangbayensis</i>	LSUHC 11407	KT013202
<i>Cyrtodactylus yathepyanensis</i>	BYU:52228	MF872363

<i>Cyrtodactylus yoshii</i>	JX440565	JX440565
<i>Cyrtodactylus ywanganensis</i>	LSUHC 13712	MH607610
<i>Cyrtodactylus zebriacus</i>	XXXXXX	MF100157
<i>Cyrtodactylus zugii</i>	MZB 5575	JQ820306

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Supplemental Table 3. Results from BLAST of female-specific *Cyrtodactylus pharbaungensis* RAD contigs that were searched against *Hemidactylus turcicus* transcripts and then to chicken (*Gallus gallus*) genes. Nineteen of 38 matches are on chicken chromosome 10.

Ensembl Gene ID	Gene	Chicken chromosome	E Value	Query	C. pharbaugensis RAD ID
ENSGALG00000037962	C1H21ORF59	1	0	Hemidactylus_CL2004Contig1_1_CU059	Cp543
ENSGALG00000014526	TPI1	1	0	Hemidactylus_TRINITY_DN24306_c7_g3_i4_1_TPIS	Cp263;Cp109;Cp169;Cp175;Cp442
ENSGALG00000012923	CDH9	2	0	Hemidactylus_CL1601Contig1_1_CADH9	Cp302
ENSGALG00000010835	DTX4	5	0	Hemidactylus_CL44Contig2_1_DTX4	Cp388;Cp490;Cp54;Cp642
ENSGALG00000011639		5	0	Hemidactylus_CL645Contig1_1_C170B	Cp361
ENSGALG00000023135	SRP54	5	0	Hemidactylus_CL889Contig1_1_SRP54	Cp146
ENSGALG00000002638		6	0	Hemidactylus_CL1Contig109_1_FSDH	Cp323
ENSGALG00000037238	PCCB	9	0	Hemidactylus_CL251Contig1_2_PCCB	Cp289
ENSGALG00000003322	TBC1D2B	10	0	Hemidactylus_TRINITY_DN21669_c0_g2_i2_1_TBD2B	Cp163
ENSGALG00000043828	HEXA	10	0	Hemidactylus_TRINITY_DN22594_c0_g2_i1_1_HEXA	Cp447
ENSGALG00000004212	ADAM10	10	0	Hemidactylus_TRINITY_DN22900_c0_g2_i3_1_ADA10	Cp256
ENSGALG00000002150	CPEB1	10	0	Hemidactylus_TRINITY_DN23138_c0_g1_i3_1_CPE1A	Cp168
ENSGALG00000003628	TLN2	10	0	Hemidactylus_TRINITY_DN24076_c6_g2_i3_1_TLN2	Cp201
ENSGALG00000001992	PKM	10	0	Hemidactylus_TRINITY_DN24916_c2_g2_i1_4_1_KPYM	Cp467;Cp539
ENSGALG00000001798	BBS4	10	0	Hemidactylus_TRINITY_DN25169_c9_g1_i4_1_BBS4	Cp604
ENSGALG00000003906	MPHOSPH10	10	0	Hemidactylus_TRINITY_DN25243_c7_g5_i2_1_MPP10	Cp209
ENSGALG00000041362	SECISBP2L	10	0	Hemidactylus_TRINITY_DN25455_c4_g1_i3_1_SBP2L	Cp301
ENSGALG00000001376	ARID3B	10	0	Hemidactylus_TRINITY_DN25732_c4_g1_i1_1_ARI3B	Cp82
ENSGALG00000004347	NEDD4	10	0	Hemidactylus_TRINITY_DN25733_c6_g2_i2_1_NEDD4	Cp357
ENSGALG000000031448	MAPK6	10	0	Hemidactylus_TRINITY_DN25818_c4_g1_i3_1_MK06	Cp412
ENSGALG000000041896	RFX7	10	0	Hemidactylus_TRINITY_DN25991_c1_g2_i2_3_RFX7	Cp146
ENSGALG00000039307	GNB5	10	0	Hemidactylus_TRINITY_DN26409_c30_g2_i3_1_GNB5	Cp191
ENSGALG00000013225	VAT1L	11	0	Hemidactylus_CL3907Contig1_1_VAT1L	Cp326
ENSGALG00000001945	RFT1	12	0	Hemidactylus_TRINITY_DN23547_c10_g1_i3_2_RFT1	Cp231
ENSGALG00000039288	RBM10	12	0	Hemidactylus_TRINITY_DN25589_c7_g1_i8_1_RBM5	Cp171
ENSGALG00000035080	HARS	13	0	Hemidactylus_TRINITY_DN25226_c1_g6_i2_1_SYHC	Cp284
ENSGALG00000033989	SLC39A14	22	0	Hemidactylus_TRINITY_DN26324_c9_g7_i1_1_S39AE	Cp569
ENSGALG00000003733	LIFR	Z	0	Hemidactylus_TRINITY_DN26126_c1_g3_i4_1_LIFR	Cp585
ENSGALG00000003505	LACTB	10	2.67E-175	Hemidactylus_TRINITY_DN7417_c0_g1_i1_1_LACTB	Cp112
ENSGALG00000046358	FBLN7	3	4.38E-171	Hemidactylus_TRINITY_DN25782_c7_g16_i1_1_FBLN7	Cp635
ENSGALG00000002093	NR2E3	10	3.11E-151	Hemidactylus_TRINITY_DN18395_c0_g2_i1_1_NR2E3	Cp613
ENSGALG00000041878	AQP5	33	1.98E-150	Hemidactylus_CL723Contig1_1_AQP5	Cp497
ENSGALG00000049218	DYX1C1	10	1.57E-116	Hemidactylus_TRINITY_DN23842_c3_g1_i2_1_DAAF4	Cp252
ENSGALG00000011041	DNAJC6	8	1.32E-110	Hemidactylus_CL1769Contig1_2	Cp183
ENSGALG00000007084	DUSP12	1	3.28E-84	Hemidactylus_CL2335Contig1_2_DUS12	Cp417
ENSGALG00000001470	STOML1	10	4.57E-77	Hemidactylus_TRINITY_DN24180_c0_g1_i3_1_STML1	Cp71
ENSGALG00000014768	SGTB	Z	5.35E-64	Hemidactylus_CL4193Contig1_1	Cp391
ENSGALG00000035202	AP3B2	10	1.56E-58	Hemidactylus_TRINITY_DN25210_c6_g1_i2_1	Cp211

Supplemental Table 4. Results from BLAST of male-specific *Cyrtodactylus chaunghanakwaensis* RAD contigs that were searched against *Hemidactylus turcicus* transcripts and then to chicken (*Gallus gallus*) genes.

Ensembl Gene ID	Gene	Chicken chromosome	E Value	Query	<i>C. chaunghanakwaensis</i> RAD ID
ENSGALG00000039208	PHF2	12	0	Hemidactylus_CL4739Contig1_1_PHF2	Cc33
ENSGALG00000049176		1	2.63E-97	Hemidactylus_TRINITY_DN24874_c0_g1_i13_1_CE290	Cc103