Table S1. Sample localities of *Cheirogaleus.*

no	Species	Clade in this study	Location	Sample Type	Locality Number	GPS-E	GPS-S
1	*Cheirogaleus medius*	Medius H	Baie de Passandava	Museum	1	-13.8091	48.2726
2	*Cheirogaleus medius*	Medius H	Ambanja (Benavony)	Published	2	-13.7111	48.4799
3	*Cheirogaleus crossleyi*	Crossleyi C	Ambanja (Beandroana)	Published	3	-13.7030	48.5046
4	*Cheirogaleus medius*	Medius H	Ambanja (Ambato)	Published	4	-13.3958	48.4705
5	*Cheirogaleus medius*	Medius A	Forêt de l'Ankarana	Published	5	**-12.9250**	**49.1250**
6	*Cheirogaleus crossleyi*	Crossleyi A	Montagne d'Ambre	Published	6	-12.4748	49.2185
7	*Cheirogaleus medius*	Medius A	Bekaraoka	Published	7	-13.1047	49.7074
8	*Cheirogaleus crossleyi*	Crossleyi B	Iharana (Vohemar)	Published	8	-13.4000	50.0000
9	*Cheirogaleus crossleyi*	Crossleyi C	Sambava	Published	9	-14.3994	50.1739
10	*Cheirogaleus medius*	Medius F	Sambava	Published	9	-14.3994	50.1739
11	*Cheirogaleus crossleyi*	Crossleyi C	Manantenina	Published	10	-14.4910	49.8115
12	*Cheirogaleus major*	Major C	Maroantsetra	Published	11	-14.9000	50.2000
13	*Cheirogaleus major*	Major C	Maroantsetra	Museum	12	**-15.4334**	**49.7389**
14	*Cheirogaleus major*	Major C	Nosy Boraha (Ile Ste. Marie)	Published	13	**-16.9136**	**49.8928**
15	*Cheirogaleus crossleyi*	Crossleyi B	Lake Alaotra	Museum	14	**-17.4756**	**48.4143**
16	*Cheirogaleus major*	Major C	Passumbée	Museum	15	**-17.0976**	**49.4856**
17	*Cheirogaleus major*	Major C	Tampolo	Published	16	-17.2868	49.4088
18	*Cheirogaleus major*	Major C	Mahambo	Museum	17	**-17.4833**	**49.4667**
19	*Cheirogaleus major*	Major C	Forest of Sihanaka	Published	18	-18.4170	48.7500
20	*Cheirogaleus crossleyi*	Crossleyi B	Andasibe	Published	19	**-18.8349**	**48.4587**
21	*Cheirogaleus major*	Major C	Mahanoro	Published	20	-19.8000	48.8000
22	*Cheirogaleus major*	Major B	Marolambo	Published	21	-20.0602	48.1833
23	*Cheirogaleus major*	Major C	Imerina, E.	Museum	22	**-20.41963**	**47.3935**
24	*Cheirogaleus crossleyi*	Crossleyi B	Ankazomivady	Published	23	-20.7800	47.1820
25	*Cheirogaleus major*	Major B	Andrambovato (Ambalavero)	Published	24	-21.4965	47.4454
26	*Cheirogaleus crossleyi*	Crossleyi D	Andrambovato (Oranjatsy)	Published	25	-21.4959	47.4018
27	*Cheirogaleus medius*	Medius G	Sainte Luce	Published	26	-24.7730	47.1710
28	*Cheirogaleus major*	Major A	Farafara	Published	27	-24.8481	47.0109
29	*Cheirogaleus major*	Major A	Ivorona	Published	28	-24.8330	46.9500
30	*Cheirogaleus major*	Major A	Mandena	Published	29	-24.9569	46.9982
31	*Cheirogaleus medius*	Medius G	Mandena	Published	29	-24.9569	46.9982
32	*Cheirogaleus major*	Major A	Manantantely	Published	30	-24.9825	46.9274
33	*Cheirogaleus major*	Major A	Andohavondro	Published	31	-24.9874	46.7273
34	*Cheirogaleus medius*	Medius G	Petriky	Published	32	-25.0610	46.8730
35	*Cheirogaleus lavasoensis*	Crossleyi E	Petit Lavasoa	Published	33	-25.0809	46.7622
36	*Cheirogaleus medius*	Medius G	Petit Lavasoa	Published	33	-25.0809	46.7622
37	*Cheirogaleus medius*	Medius B	170 km east of Toliara (Tulear)	Museum	34	**-23.5447**	**45.2224**
38	*Cheirogaleus medius*	Medius B	Tabiky	Museum	35	**-22.1667**	**44.2500**
39	*Cheirogaleus medius*	Medius B	Moroundava	Museum	36	**-20.2920**	**44.2786**
40	*Cheirogaleus medius*	Medius B	Kirindy	Published	37	-20.0670	-44.6500
41	*Cheirogaleus medius*	Medius B	Bemaraha	Published	38	-19.1036	44.7675
42	*Cheirogaleus crossleyi*	Crossleyi B	Ampijoroa	Published	39	**-16.1526**	**47.1307**
43	*Cheirogaleus crossleyi*	Crossleyi D	Ranomafana (Talatakely)	Published	40	-21.2639	47.4189
44	*Cheirogaleus crossleyi*	Crossleyi B	Tsinjoarivo (Vatateza)	Published	41	-19.7208	47.8569
45	*Cheirogaleus sibreei*	*C. sibreei*	Tsinjoarivo (Andasivodihazo)	Published	42	-19.6875	47.7736
46	*Cheirogaleus major*	Major A	Ampasimena	Published	43	-24.3404	47.1320
47	*Cheirogaleus lavasoensis*	Crossleyi E	Ambatotsirongorongo	Published	44	-25.0780	46.7824
48	*Cheirogaleus lavasoensis*	Crossleyi E	Grand Lavasoa	Published	45	-25.0891	46.7447
49	*Cheirogaleus crossleyi*	Crossleyi A	Montagne d'Ambre	OHDZA	46	-12.5273	49.1733
50	*Cheirogaleus crossleyi*	Crossleyi B	Anjozorobe	OHDZA	47	-18.4667	47.9334
51	*Cheirogaleus sibreei*	*C. sibreei*	Anjozorobe	OHDZA	47	-18.4667	47.9334
52	*Cheirogaleus medius*	Medius A	Ankarana (Mahamasina)	OHDZA	48	-12.9663	49.1381
53	*Cheirogaleus medius*	Medius B	Tsingy de Bemeraha	OHDZA	49	-19.0453	44.7777
54	*Cheirogaleus major*	Major A	Midongy du Sud (Beharena)	OHDZA	50	-23.5211	47.0880
55	*Cheirogalus major*	Major A	Midongy du Sud (Ampasy)	OHDZA	51	-23.7408	47.0259
56	*Cheirogaleus medius*	Medius A	Andrafiamena (Anjakely)	OHDZA	52	-12.9154	49.3196
57	*Cheirogaleus crossleyi*	Crossleyi C	Manongarivo	OHDZA	53	-14.0237	48.2723
58	*Cheirogaleus medius*	Medius D	Anjiamangirana	OHDZA	54	-15.2164	47.7519
59	*Cheirogaleus lavasoensis*	Crossleyi E	Kalambatritra (Sahalava)	OHDZA	55	-23.0589	46.5335
60	*Cheriogaleus medius*	Medius C	Tsiombikibo	OHDZA	56	-16.0489	45.8107
61	*Cheirogaleus major*	Major B	Lakia	OHDZA	57	-21.5156	47.9115
62	*Cheirogaleus medius*	Medius B	Analalava	OHDZA	58	-22.5924	45.1334
63	*Cheirogaleus major*	Major A	Manombo	OHDZA	59	-23.0123	47.7328
64	*Cheirogaleus medius*	Medius E	Mariarano	OHDZA	60	-15.4799	46.6933
65	*Cheirogaleus major*	Major C	Masoala (Ambatoledama)	OHDZA	61	-15.6719	49.9662
66	*Cheirogaleus medius*	Medius A	Analamera (Ampasimaty)	OHDZA	62	-12.7656	49.4836
67	*Cheirogaleus crossleyi*	Crossleyi B	Maromizaha	OHDZA	63	-18.9738	48.4646
68	*Cheirogaleus major*	Major C	Mananara-Nord (Ambavala)	OHDZA	64	-16.5583	49.7342
69	*Cheirogaleus major*	Major C	Nosy Mangabe	OHDZA	65	-15.4954	49.7626
70	*Cheirogaleus major*	Major C	Tampolo	OHDZA	66	-17.2899	49.4075
71	*Cheirogaleus crossleyi*	Crossleyi D	Ranomafana (Talatakely)	OHDZA	67	-21.2583	47.4241

72	*Cheirogaleus crossleyi*	Crossleyi D	Ranomafana (Talatakely)	OHDZA	68	-21.2925	47.4384
73	*Cheirogaleus sibreei*	*C. sibreei*	Maharira	OHDZA	69	-21.3237	47.4079
74	*Cheirogaleus crossleyi*	Crossleyi B	Mantadia	OHDZA	70	-18.8094	48.4273
75	*Cheirogaleus crossleyi*	Crossleyi B	Torotorofotsy	OHDZA	71	-18.8366	48.3472
76	*Cheirogaleus crossleyi*	Crossleyi D	Andringitra (Ambarongy)	OHDZA	72	-22.2227	47.0189
77	*Cheirogaleus crossleyi*	Crossleyi B	Ambatovy	OHDZA	73	-18.0286	48.2926
78	*Cheirogaleus crossleyi*	Crossleyi B	Zahamena	OHDZA	74	-17.4892	48.7472
79	*Cheirogaleus medius*	Medius B	Zombitse	OHDZA	75	-22.8863	44.6938
80	*Cheirogaleus major*	Major C	Ambodivoangy	Museum	76	**-15.2972**	**49.6131**
81	*Cheirogaleus crossleyi*	n.i.	(Antsianaka)	Museum	77	**-17.4408**	**48.4741**
82	*Cheirogaleus crossleyi*	n.i.	Vohemar (Vohima)	Museum	78	**-13.3703**	**50.0173**
83	*Cheirogaleusmajor*	n.i.	Antongil Bay	Museum	79	**-15.4616**	**49.6703**
84	*Cheirogaleusmajor*	n.i.	Farafangana	Museum	80	**-22.8229**	**47.8264**
85	*Cheirogaleusmajor*	n.i.	Toamasina (Tamatave)	Museum	81	**-18.1499**	**49.4023**
86	*Cheirogaleus major*	n.i.	Tampina	Museum	82	**-18.5265**	**49.2766**
87	*Cheirogaleus sibreei*	n.i.	Ambatolaona (Ankeramadinika)	Museum	83	**-18.9301**	**47.8844**
88	*Cheirogaleus medius*	n.i.	Passandava Bay (Baie de Passandava)	Museum	84	**-13.8091**	**48.2726**
89	*Cheirogaleus medius*	n.i.	Tsiribihina River (Tsidsibon river, west coast)	Museum	85	**-19.7276**	**44.6755**
90	*Cheirogaleus medius*	n.i.	Fort Dauphin	Museum	86	**-25.0333**	**46.9833**
91	*Cheirogaleusminusculus*	n.i.	Ambositra	Museum	87	**-20.5310**	**47.2433**
92	*Cheirogaleus medius*	n.i.	Ampijoroa	Museum	39	**-16.1526**	**47.1307**

We adopted the locality numbers from Groeneveld *et al.* (2009, 2010) and Thiele *et al.* (2013). GPS points in bold are post hoc estimations by the authors or by Groeneveld et al. (2009) of collection locaties based on museum specimen labels.

Table S2. Cranial and dental (maxillary) measurements of *Cheirogaleus* taxa. Locality names follow species designation.

		greatest skull length (mm)	bulla breadth (mm)	braincase height (mm)	nasion-palate (mm)
C. crossleyi Ampijoroa	Mean	46.6	7.2	14.4	10
	N	1	1	1	1
C. crossleyi Andasibe	Mean	48			
	N	1			
C. crossleyi Bongolava	Mean	44			
	N	1			
C. sp. nova 1	Mean	47.6	7	16.8	9.7
	N	1	1	1	1
C. crossleyi	Mean	52.733	7.55	16.45	11.175
	N	3	4	4	4
	Std. Deviation	1.1015	0.5	1.8735	1.6153
	Minimum	52	6.9	13.8	8.9
	Maximum	54	8.1	18	12.7
Crossleyi C*	Mean	50.4	6.825	17.375	10.625
	N	4	4	4	4
	Std. Deviation	1.5727	0.35	1.6091	1.4245
	Minimum	49	6.4	15.8	9.1
	Maximum	52	7.2	19	12.2
C. lavasoensis	Mean	54.4	7.1	16.1	10.3
	N	1	1	1	1
C. sp. nova 3	Mean	55.9	6.2	17.3	12
	N	1	1	1	1
	Std. Deviation	.	.	.	.
C. major	Mean	56.364	7.71	18.309	12.82
	N	11	10	11	10
	Std. Deviation	1.8046	0.4202	1.3538	0.8574
	Minimum	53.7	7	17.1	11.7
	Maximum	60.7	8.4	20.9	14
C. ravus	Mean	57	6.6	17.1	10.45
	N	1	2	2	2
C. medius	Mean	40.193	5.687	13.091	8.72
	N	30	30	22	20
	Std. Deviation	1.3779	0.353	0.6732	0.5653
	Minimum	37.7	5	12	8.1
	Maximum	43.2	6.5	14.7	10.3

C. thomasi	Mean	39	5.6	12.2	8.6
	N	1	1	1	1
C. medius Toliara	Mean	44	6.9	14.9	10.8
	N	1	1	1	1
	Std. Deviation	.	.	.	.
	Minimum	44	6.9	14.9	10.8
	Maximum	44	6.9	14.9	10.8
C. minusculus	Mean	42	7	17.3	8.7
	N	1	1	1	1
C. sibreei	Mean	48	7.9	14.9	10.5
	N	1	1	1	1

* Corresponds to clade designation, see Appendix II(a)

Table S3. External metrics of Cheirogaleus taxa. HB = head+body length, HF = hindfoot length. Measurements from the literature of the types of *major/milli* and *typicus* are given for comparative purposes. Locality names follow species designation.

		HB mm	Tail mm	Tail as % HB	HF mm	Rel Hf	Ear Length mm	Ear as % HB	Ear Width mm
C. crossleyi Andasibe	Mean	240	240	100			23	9.583	
	N	1	1	1			1	1	
C. crossleyi Bongolava	Mean	250	240	96			22	8.8	
	N	1	1	1			1	1	
C. sp. nova 1	Mean	234.56	263.22	112.184	49.778	21.237	22.133	9.444	14.322
	N	9	9	9	9	9	9	9	9
	Std. Deviation	7.955	21.388	7.8602	1.9221	0.9155	2.1219	0.9396	1.7641
	Minimum	221	219	97.3	46	19.2	18.1	7.6	11.5
	Maximum	245	282	122.3	52	22.2	24.5	10.6	16.9
C. crossleyi	Mean	246.25	264.18	107.556	51.082	20.793	23.4	9.636	14.4
	N	28	28	28	28	28	3	3	1
	Std. Deviation	16.893	21.246	8.9748	6.209	2.626	1.51	1.4902	.
	Minimum	205	220	92.4	30	13.6	22	8.5	14.4
	Maximum	274	295	125.8	59	26.3	25	11.3	14.4
Crossleyi C*	Mean	224.98	265.88	118.501	53.125	23.733			
	N	8	8	8	8	8			
	Std. Deviation	19.516	14.662	4.8604	2.031	1.7234			
	Minimum	200	249	109.9	51	20.9			
	Maximum	253	293	124.5	56	25.5			
C. sp. nova 2	Mean	249.25	262.2	107.897	54.75	22.109	26	12.683	
	N	4	5	4	4	4	1	1	
	Std. Deviation	40.036	41.68	12.6424	6.0759	1.5293	.	.	
	Minimum	205	202	96	46	19.9	26	12.7	
	Maximum	302	304	122.1	60	23.2	26	12.7	
C. lavasoensis	Mean	229	249	108.734	56	24.454			
	Mean								
	N	1	1	1	1	1			
C. sp. nova 3	Mean	256.6	284.1	110.898	58.222	22.875	25	9.727	
	N	10	10	10	9	9	2	2	
	Std. Deviation	16.615	16.69	5.5293	2.1082	1.5539	1.4142	0.015	
	Minimum	214	257	101.1	56	20.8	24	9.7	
	Maximum	269	317	120.1	63	26.2	26	9.7	
C. major	Mean	253.38	286.38	113.547	54.25	21.596	22.75	9.023	12.1
	N	8	8	8	8	8	4	4	1
	Std. Deviation	28.705	24.442	8.7205	5.5227	2.8336	0.5	0.7737	.
	Minimum	228	242	97.1	42	15.9	22	8.2	12.1
	Maximum	313	310	124	60	23.9	23	10	12.1
type *major/milii*	Mean	?331.00	?355.60	107.55					

type *major/mitti*	N	1	1	1					
type *typicus*	Mean	267	?229	?85.77					
	N								
type *ravus*	N	1	1	1					
	Mean	240	240	100	58	24.2			
	N	1	1	1	1	1			
	N	1	1	1	1	1			
C. sp. nova 4	Mean	154.75	143.75	94.154	35	21.212	16.175	10.927	10.25
	N	4	4	4	1	1	4	4	4
	Std. Deviation	24.636	20.903	15.9573	.	.	3.2989	4.2918	1.1269
	Minimum	119	119	74.4	35	21.2	13	8.1	9
	Maximum	175	166	113.4	35	21.2	20.6	17.3	11.3
C. medius	Mean	179.97	184.45	102.549	35.773	20.042	18.4	10.43	11.15
	N	22	22	22	22	22	18	18	2
	Std. Deviation	10.481	19.999	9.8762	7.4597	4.976	3.0608	2.3952	1.6263
	Minimum	150	150	86.1	23	12.5	15	7.9	10
	Maximum	195	232	121.5	52	34.7	28	18.7	12.3
Medius C*	Mean	165	122	73.939	35	21.212			
	N	1	1	1	1	1			
Medius D*	Mean	208.5	235	112.545	45	21.628			
	N	2	2	2	2	2			
	Minimum	201	217	108	44	20.4			
	Maximum	216	253	117.1	46	22.9			
Medius E*	Mean	197.67	186.67	94.639	53.667	26.576	16.5	8.525	
	N	3	3	3	3	3	2	2	
	Std. Deviation	20.526	25.658	11.0994	29.7377	12.4862			
	Minimum	175	165	83.7	36	18.2	16	7.9	
	Maximum	215	215	105.9	88	40.9	17	9.1	
C. thomasi	Mean	197.5	202.5	102.53	42.5	21.518	21.5	10.886	
	N	2	2	2	2	2	2	2	
	Minimum	197	201	102	42	21.3	21	10.7	
	Maximum	198	204	103	43	21.7	22	11.1	
C. sibreei	Mean	223.5	230.5	103.676	47.5	21.306			
	N	2	2	2	2	2			
	Minimum	205	226	97.1	45	20.7			
	Maximum	242	235	110.2	50	22			

* Corresponds to clade designation, see Appendix II(a)

Table S4. *Cheirogaleus* specimens deposited at the following institutions: American Museum of Natural History, New York (AMNH), Natural History Museum, London (BMNH), Field Museum of Natural History, Chicago (FMNH), Institut für Anthropologie, Johannes Gutenberg-Universität Mainz, Germany (IFA), Museum of Comparative Zoology, Harvard (MCZH), Muséum National d'Histoire Naturelle, Paris (MNHN), Museum für Naturkunde - Leibniz Institute for Evolution and Biodiversity Science (MfN/ZMB), and Naturalis Biodiversity Center (formerly Rijksmuseum van Naturlijk Historie – NMNL). Spelling of localities is consistent with records associated with specimens and does not necessarily correspond to modern spellings; latitude and longitude were estimated *post hoc* except for those at IFA. Specimens verified as *Cheirogaleus* were arranged by species and clade when possible and then by locality. An abbreviated history of determinations was included for examined specimens. Unverified specimens in italics refer to catalog numbers in institutional databases identified as *Cheirogaleus* , but were not confirmed by the authors.

Catalog Number	Institute of Deposit	Type Status	Locality	Longitude	Latitude	Groves (2000)	Groeneveld *et al.* (2009, 2010)	Thiele *et al.* (2013)	This study - clade	This study - species
44951	MCZH		northern Madagascar, Mount Ambre	-12.629417	49.150247				Crossleyi A	*C.* sp. nova 1
3787	MfN/ZMB		Vohima (Vohemar)/Sianaka	-13.370286	50.003367	*C. crossleyi*				
44947	MCZH		Forest of Longozabe, near Maroantretra	-15.384311	49.750119					
1948.160	BMNH		30 miles northeast of Lake Alaotra	-17.068600	48.950942	*C. crossleyi*	*C. crossleyi*		Crossleyi B	*C. crossleyi*
1870.5.5.25	BMNH	Holotype *C. melanotis*	Antsianaka	-17.440833	48.474139	*C. crossleyi*				*C. crossleyi*
44952	MCZH	Holotype *C. crossleyi*	Forest of Antsianaka	-17.440833	48.474139					*C. crossleyi*
44850	MCZH		eastern Madagascar, Analamazaotra	-18.937119	48.430428					
44946	MCZH		Forest of Est, north of Perinet	-18.843681	48.458447					
1967.1653	MNHN		Périnet	-18.815583	48.419778	*C. crossleyi*				*C. crossleyi*
Kat.H	NMNL		Malewo			*C. crossleyi*				*C. crossleyi*
5656	FMNH		Fianarantsoa, Fandriana, 45 km ESE; Ampitambe	-21.483333	47.316667					
44949	MCZH		around Fort Dauphin (Taolanaro)	-25.033331	46.983333					
AH-04-082	IFA	Paratype *C. lavasoensis*	Ambatotsirongorongo	-25.078031	46.782386			*C. lavasoensis*	Crossleyi E	*C. lavasoensis*
AH-X-00-181	IFA	Holotype *C. lavasoensis*	Petit Lavasoa	-25.082558	46.762478			*C. lavasoensis*	Crossleyi E	*C. lavasoensis*
AHMG-06-201	IFA	Paratype *C. lavasoensis*	Grand Lavasoa	-25.089111	46.744658			*C. lavasoensis*	Crossleyi E	*C. lavasoensis*
45123	MCZH		Province Farafangana, Ifandana							
44948	MCZH		Aryanazana (Anjanazana?), near Maroantretra	-15.384311	49.750119					
1935.1.8.169	BMNH		Maroansetra	-15.433408	49.738889	*C. major*	*C. major*		Major C	*C. major*
1932.3362	MNHN		Maroansetra	-15.433408	49.738889	*C. major*	*C. major*		Major C	*C. major*
cat.g or 1887:6	NMNL		Maranzettra	-15.433408	49.738889	*C. major*	*C. major*		Major C	*C. major*
1948.159	BMNH		8 miles west of Rantabe, Antongil Bay	-15.461556	49.670278	*C. major*				*C. major*
1871.231	MNHN		Bay of Antongil	-15.461556	49.670278	*C. major*				*C. major*
cat.f or 1887:6	NMNL		Passumbée	-17.097600	49.485569	*C. major*	*C. major*		Major C	*C. major*
1964.72	MNHN		Mahambo	-17.483333	49.466667	*C. ravus*	*C. major*		Major C	*C. major*
1964.73	MNHN		Mahambo	-17.483333	49.466667	*C. ravus*				*C. major*
cat.d	NMNL		Mahambo	-17.483333	49.466667	*C. ravus*				*C. major*
cat.e	NMNL		Mahambo	-17.483333	49.466667	*C. ravus*				*C. major*
1888.2.18.3	BMNH	Holotype *C. ravus*	Tamatave	-18.149794	49.408531	*C. ravus*				
71432	MfN/ZMB		Tamatave	-18.149794	49.408531	*C. ravus*				*C. major*
21664	MfN/ZMB		Tamatave	-18.149794	49.408531	*C. ravus*				*C. major*
44646	MfN/ZMB		Tampina, Prov. Tamatave	-18.526472	49.276583	*C. ravus*				*C. major*
11.6.21.1	BMNH	Holotype *C. minusculus*	Ambositra	-20.531028	47.243306	*C. minusculus*				*C. minusculus*
1882.1560	MNHN		Farafangana	-22.822944	47.826389	*C. major*				*C. major*
85144	FMNH		Toliar, Bemangidy, Poste Manantenina, 72 km N of Ft Dauphin	-24.566667	47.200000					
85149	FMNH		Toliar, Bemangidy, Poste Manantenina, 72 km N of Ft Dauphin	-24.566667	47.200000					
85148	FMNH		Toliar, Ft Dauphin, Forest Station 8 km N of Tanosy or Monotane							
1939.1289	BMNH		E. Imerima			*C. crossleyi*	*C. major*		Major C	*C. major*
cat.c or 1887:6	NMNL					*C. major*	*C. major*		Major C	*C. major*
1964.74	MNHN		Ambodivoangy			*C. ravus*	*C. major*		Major C	*C. major*
1837.9.26.77	BMNH	Holotype *C. typicus*	S.E. Central Madagascar			*C. major*				*C. major*
1882.6.3.4	BMNH		Forest of Ancaya			*C. ravus*				*C. major*
148	MNHN	Holotype *C. milii* ; Neotype *C. major*				*C. major*				*C. major*
3372	MfN/ZMB		Fesi Malendo			*C. ravus*				*C. major*
35352	MfN/ZMB		Sianaka			*C. major*				*C. major*
100640	AMNH		Sianaka Forest							
100654	AMNH		Anivorano	-13.547431	48.825611					
cat.b or 1887:6	NMNL		Passandava Bay	-13.809139	48.272611	*C. sibreei*	*C. medius*		Medius H	UCS4
cat.a	NMNL		Passandava Bay	-13.809139	48.272611	*C. sibreei*				UCS4
1967.1654	MNHN		Ampijoroa	-16.152561	47.130667	*C. medius*				
1967.1655	MNHN		Ampijoroa	-16.152561	47.130667	*C. medius*	*C. medius*		Medius E	UCS3
No.136a	MNHN	Syntype *C. samati*	Tsidsibon river, west coast	-19.727639	44.675528	*C. medius*				*C. medius*
1948.161	BMNH		Beraboka, 40 miles N of Morandava	-19.804189	44.659672	*C. medius*				*C. medius*
1948.162	BMNH		Beraboka, 40 miles N of Morandava	-19.804189	44.659672	*C. medius*				*C. medius*
1948.163	BMNH		Beraboka, 40 miles N of Morandava	-19.804189	44.659672	*C. medius*				*C. medius*
1948.164	BMNH		Beraboka, 40 miles N of Morandava	-19.804189	44.659672	*C. medius*				*C. medius*
1948.165	BMNH		Beraboka, 40 miles N of Morandava	-19.804189	44.659672	*C. medius*				*C. medius*
1948.166	BMNH		Beraboka, 40 miles N of Morandava	-19.804189	44.659672	*C. medius*				*C. medius*
1986.425	MNHN		Beroboka	-19.804189	44.659672	*C. medius*				*C. medius*
1986.426	MNHN		Beroboka	-19.804189	44.659672	*C. medius*				*C. medius*
1986.427	MNHN		Beroboka	-19.804189	44.659672	*C. medius*				*C. medius*
1986.428	MNHN		Beroboka	-19.804189	44.659672	*C. medius*				*C. medius*
1986.429	MNHN		Beroboka	-19.804189	44.659672	*C. medius*				*C. medius*
1986.430	MNHN		Beroboka	-19.804189	44.659672	*C. medius*				*C. medius*
1986.431	MNHN		Beroboka	-19.804189	44.659672	*C. medius*				*C. medius*
cat.a/van Dam a	NMNL		Mouroundava	-20.291972	44.278611		*C. medius*		Medius B	*C. medius*
cat.e/van Dam e	NMNL		Mouroundava	-20.291972	44.278611		*C. medius*		Medius B	*C. medius*
4354	MfN/ZMB		Morandava	-20.291972	44.278611	*C. medius*				*C. medius*
cat.h	NMNL		Mouroundava	-20.291972	44.278611	*C. medius*				*C. medius*
cat.i	NMNL		Mouroundava	-20.291972	44.278611	*C. medius*				*C. medius*
1872.8.19.11	BMNH		Morandava	-20.291972	44.278611					
1872.8.19.8	BMNH		Morondava	-20.291972	44.278611					
1935.1.8.168	BMNH		Tabiky, west of Ankazoabo	-22.290733	44.507439	*C. adipicaudatus*	*C. medius*		Medius B	*C. medius*
M-100652	AMNH		Toliara, Tabiky, west of Ankazoabo	-22.290733	44.507439					
1932.3363	MNHN		Tabiky, west of Ankazoabo	-22.290733	44.507439	*C. adipicaudatus*				
1932.3364	MNHN		170km east of Tuléar	-23.413100	45.354636	*C. adipicaudatus*	*C. medius*		Medius B	*C. medius*
1932.3365	MNHN		170km east of Tuléar	-23.413100	45.354636	*C. adipicaudatus*	*C. medius*		Medius B	*C. medius*
1935.1.1.166	BMNH		170km east of Tuléar	-23.413100	45.354636	*C. adipicaudatus*				*C. medius*
1935.1.1.167	BMNH		170km east of Tuléar	-23.413100	45.354636	*C. adipicaudatus*				*C. medius*
No.162	MNHN	Holotype *C. samati* , Neotype *C. medius*				*C. medius*				*C. medius*
1891.11.30.3	BMNH	Holotype of *C. thomasi*	Fort Dauphin	-25.033331	46.983333	*C. adipicaudatus*				*C. thomasi*
1891.11.30.4	BMNH	Paratype *C. thomasi*	Fort Dauphin	-25.033331	46.983333					*C. thomasi*
1891.11.30.5	BMNH	Paratype *C. thomasi*	Fort Dauphin	-25.033331	46.983333					*C. thomasi*

85143	FMNH		Toliar, Ft Dauphin, Forest Station 8 km N of Tanosy or Monotane				
85146	FMNH		Toliar, Ft Dauphin, Forest Station 8 km N of Tanosy or Monotane				
1897.9.1.160	BMNH	Holotype *C. sibreei*	Ankeramadinika, E. of Antananarivo	-18.930056	47.884364	*C. sibreei*	*C. sibreei*
71434	MfN/ZMB		Imerina			*C. sibreei*	*C. sibreei*
MS-286	*AMNH*		*No locality*				
M-31265	*AMNH*		*Toliara, Andranolava*	*-22.651711*	*44.682653*		
MS-5513	*AMNH*		*No locality*				
M-80072	*AMNH*		*No locality (Bronx Zoo)*				
M-100601	*AMNH*		*Tabiky, west of Ankazoabo*	*-22.290733*	*44.507439*		
100641	*AMNH*		*Ivohibe*	*-22.608478*	*46.902839*		
100650	*AMNH*		*Antsiranana, 15 miles southwest of Tsarakibany*	*-12.766667*	*49.166667*		
100651	*AMNH*		*1 day south of Anaborano*				
M-100653	*AMNH*		*170 km east of Toliar*	*-23.413100*	*45.354636*		
100655	*AMNH*		*Fanovana*	*-18.916667*	*48.566667*		
M-100830	*AMNH*		*Toliar, Tabiky, west of Ankazoabo*	*-22.290733*	*44.507439*		
M-100843	*AMNH*		*Antsiranana, 1 day west of Andapa*	*-14.650264*	*49.234172*		
196618	*AMNH*		*No locality*				
1885.10.8.1	*BMNH*		*No locality*				
1897.9.1.15	*BMNH*		*Ampitambe*				
1935.1.8.170	*BMNH*		*No locality*				
1939.1286	*BMNH*		*No locality (London zoo)*				
1939.1287	*BMNH*		*No locality (London zoo)*				
1939.1288	*BMNH*		*No locality*				
1939.1291	*BMNH*		*No locality*				
1939.1292	*BMNH*		*No locality*				
1939.1293	*BMNH*		*No locality*				
1939.1294	*BMNH*		*No locality*				
1939.3557	*BMNH*		*No locality*				
1939.3558	*BMNH*		*No locality*				
1939.3559	*BMNH*		*No locality*				
1981.900	*BMNH*		*No locality (London zoo)*				
1981.901	*BMNH*		*No locality (London zoo)*				
1981.968	*BMNH*		*No locality*				
1981.969	*BMNH*		*No locality (London zoo)*				
1981.899	*BMNH*		*S.E.Central Madagascar*				
1872.8.19.9	*BMNH*		*Morondava*				
57967	*FMNH*		*Toliar, Ft Dauphin, Forest Station 8 km N of Tanosy or Monotane*				
58004	*FMNH*		*No locality (Lincoln Park Zoo)*				
85144	*FMNH*		*Toliar, Ft Dauphin, Forest Station 8 km N of Tanosy or Monotane*				
85145	*FMNH*		*Toliar, Bemangidy, Poste Manantenina, 72 km N of Ft Dauphin*	*-24.566667*	*47.200000*		
121607	*FMNH*		*No locality (Lincoln Park Zoo)*				
146104	*FMNH*		*No locality, presented by L.B.Radinsky*				
146105	*FMNH*		*No locality, presented by L.B.Radinsky*				
146106	*FMNH*		*No locality, presented by L.B.Radinsky*				
147986	*FMNH*		*No locality (zoo specimen)*				
165403	*FMNH*		*No locality (zoo specimen)*				
186836	*FMNH*		*No locality (zoo specimen)*				
BOM-5117	*MCZH*		*No locality, purchased from E.Gerrard*				

Table S5. Primers used in this study.

Locus	Primer	Primer sequence 5'-3'	Reference	°C
Cytb	CYTLEPL	AATGATATGAAAAACCATCGTTGTA	1	55
	2763	GGRATTTTRTCGGAGTCTGATG	2	55
	2695	CCGATTCTTCGCATTCCACTT	2	55
	2510	GACCAGKGTATTWTTTATACTAC	2	55
	2877	ACGTAAACYACGGCTGAA	2	
	2879	CCTCAGATTCATTCTACTA	2	
	H15159	AACTGCAGTCATCTCCGGTTTACAAGAC	3	
	H15506	AGTGGRTTRGCTGGTGTRTARTTGTC	4	
	H15149	AAACTGCAGCCCCTCAGAATGATATTTGTCCTCA	3	
	L14724	CGAAGCTTGATATGAAAAACCATCGT	3	
COX2	L7553*	AACCATTTCATAACTTTGTCAA	5	45
	H8320*	CTCTTAATCTTTAACTTAAAAG	5	45
	L7784	CAAGAAGTAGAAACAGTATGAAC	5	
	H8169	CCACAGATTTCAGAGCATTG	5	
	MicroCOIIF1	GCTTTGACTCATACATAACCCC	This study	
	MicroCOIIR1	GGGGTTATGTATGAGTCAAAGC	This study	
D-loop	DLP1.5*	GCACCCAAAGCTGARRTTCTA	6	47
	DLP5.0*	CCATCGWGATGTCTTATTTAAGRGGA	7	47
	DLmouseF	TTGCTGGTTTCACGGAGG	8	
	DLmouseR	TCCGTGAAACCAGCAACC	8	
PAST	SP1*	GAAGCTGCAGTCTGATACTGACATTT	9	50
	LemurR2*	GTGATGTTGGCTWGCTATAAT	9	50
	LemurND3	CCCTTTTCCATAAAATTTTTYCTAGTAGC	9	
	LemurGLY	TTGACTTCCAATCAATTAACTTCGG	9	
	MicND3R	TGTGATTTTGAGATTGTTTGATTGAGATGC	9	
	LemurF1	CTCCTAGTCTTCGCRGCCTG	9	
	MicF1*	GAAGCYGCCATCGGCTTAGC	9	50
	MMF1*	GAAGCTGCTATTGGTCTGGC	9	50
	LemurHS	GGTAACCAAACAGAACGATTAAACGC	9	
	LemurHSR	CCTGCGTTTAGTCGTTCTGTYTG	9	
	MicNAP	GGCTTCTACATGTGCYTTGG	9	
	NAP2M	TTAGCTTCAACGTGGGCTTT	9	
	MicR3*	YGCTATATGGCTGACTGATGA	9	50
	CHEIRND4*	CCHAAAGCHCAYGTAGAAGC	This study	50
	Mleu*	TACTTTTATTTGGAGTTGCACCA	9	50
	LemurF3	ATCTGCCTACGACAAACAGACCTAAAATC	9	

	LemurF4	GTAACTATAACATCCTTYTCATGATC	9	
	MicF4	TACTTATTACTGCCCTTTAYTC	9	
	LemurR5	ATGGTATGTGAGTTTTCCTCGTTGTG	9	
	TRLEU	ATATTTACCTCAACACAACGAGG	9	
FGA	FIBAF*	AAGCGCAAAGTCATAGAAAAAG	10	56
	FIBAR*	CTAAAGCCCTACTGCATGACCCT	10	56
	FGAHDZF1	ATTGCTTATCCTGGCTGGC	This study	
	FGAHDZF5	GCTTTGCCCATAGATTTCC	This study	
	FGAHDZR5	CCCTCTGAACCAAAACACTG	This study	
	FGAHDZR8	CCAATCAATACTCTTTACTTCCTG	This study	
VWF	VWF10*	GAGCTGGATGTCCTGGCCATCCATGGCAAC	11	60
	VWF8*	GAGTGCCTTGTCACTGGTCATCCCACTTCAA	11	60
	VWFF1	TGCCTTGTCACTGGTCATCC	12	
	VWFHDZF1	TTCAGTGGGTGCTTCAGGTC	This study	
	VWFHDZF2	AGAGTGTCCTGTGAGAACGG	This study	
	VWFHDZR1	CTAACTGAAGCCTGGAAGAAG	This study	
	VWFHDZR3	GGCCTGTCATTCCAAAGAG	This study	
CTFR-PAIRB	CFTR-PairBF*	CTCTGTGAACACAGGATAGAAGC	12	60
	CFTR-PairBR*	TTACCTCCAGGAGGCTCAAAAGCC	12	60
	CFTR-PairBF1	CACCTAGTAGGCTCAGATAAAAGTG	This study	
	CFTR-PairBR1	CAGGCCAGGTTGTCTTATACTC	This study	
	CFTR-PairBF2	GAGTATAAGACAACCTGGCCTG	This study	

Note: Mitochondrial DNA (mtDNA) Cytochrome b; COX2: mtDNA Cytochrome oxidase II; D-loop: the displacement loop or control region; PAST: a fragment of the mtDNA cytochrome oxidase subunit III gene (COIII), NADH-dehydrogenase subunits 3, 4L,and 4 (ND3, ND4L, and ND4), as well as the tRNAGly, tRNAArg, tRNAHis, tRNASer, and partial tRNALeu genes; FIBA: alpha fibrinogen intron 4; vWF: von Willebrand Factor intron 11; CTFR-PAIRB: Cystic fibrosis transmembrane conductance.

*PCR primers; Y=C or T, R=A or G, K=G or T, M=A or C, W=A or T, H=A, C or T. 1) Andriaholinirina *et al.* (2006); 2) Groeneveld *et al.* (2009); 3) Irwin *et al.* (1991); 4) Yoder *et al.* (1996b); 5) Adkins and Honeycutt (1994); 6) Wyner *et al.* (1999); 7) Baker *et al.* (1993); 8) Louis *et al.* (2006); 9) Pastorini (2000); 10) Heckman *et al.* (2007); 11) Mancuso *et al.* (1989); 12) Horvath *et al.* (2008).

Table S6. Accession numbers of published *Cheirogaleus* sequences from GenBank (NCBI).

Study	Identifier	Species	Subgroup	Locality	Locality	Latitude	Longitude	COII	cytb	fiba A1	fiba A2	vWF A1	vWF A2
Hapke *et al.* (2005)	PBZT1321	*C. major*	CmaA	Maroantsetra	11	-14.9000	50.2000	n/a	AY605911	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	ZMB35352	*C. major*	CmaC	Forest of Sihanaka	18	-18.4170	48.7500	n/a	AY605915	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	n/a	*C. major*	CmaH	Ivorona	28	-24.8330	46.9500	n/a	AY605921	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	ZMB3787	*C. crossleyi*	CcrA	Iharana/Vohemar	8	-13.4000	50.0000	n/a	AY605926	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	n/a	*C. medius*	CmeA	Morondava/CFPF	37	-20.0670	-44.6500	n/a	AY605903	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	n/a	*C. medius*	CmeB	Ankarana	5	**-12.9250**	**49.1250**	n/a	AY605904	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	n/a	*C. medius*	CmeD	Ste. Luce	26	-24.7730	47.1710	n/a	AY605906	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	n/a	*C. medius*	CmeG	Petriky	32	-25.0610	46.8730	n/a	AY605909	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	PBZT1322	*C. major*	CmaB	Nosy Boraha, Ile Ste. Marie	13	**-16.9136**	**49.8928**	n/a	AH014105	n/a	n/a	n/a	n/a
Hapke *et al.* (2005)	n/a	*C. major*	CmaD	Mahanoro	20	-19.8000	48.8000	n/a	AH014106	n/a	n/a	n/a	n/a
Roos *et al.* (2004)	n/a	*C. crossleyi*	n/a	Andasibe	19	**-18.8349**	**48.4587**	n/a	AY441457	n/a	n/a	n/a	n/a
Olivieri *et al.* (2007)	n/a	*C. crossleyi*	n/a	Ampijoroa	39	**-16.1526**	**47.1307**	n/a	EF122249	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	MNHN CG 1932-3362	*C. major*	n/a	Maroantsetra	12	**-15.4334**	**49.7389**	n/a	EU825225	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	MNHN CG 1932-3364	*C. medius*	n/a	170 km east of Tulear	34	**-23.5447**	**45.2224**	n/a	EU825215	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	MNHN CG 1932-3365	*C. medius*	n/a	170 km east of Tulear	34	**-23.5447**	**45.2224**	n/a	EU825214	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	MNHN CG 1932-3365	*C. medius*	n/a	170 km east of Tulear	34	**-23.5447**	**45.2224**	n/a	EU825216	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	MNHN CG 1964-72	*C. major*	n/a	Mahambo	17	**-17.4833**	**49.4667**	n/a	EU825219	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	MNHN CG 1964-74	*C. major*	n/a	Ambodivoangy	76	**-15.2972**	**49.6131**	n/a	EU825223	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	MNHN CG1967-1655	*C. medius*	n/a	Ampijoroa	39	**-16.1526**	**47.1307**	n/a	EU825226	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	Naturalis 1887:66ba	*C. medius*	n/a	Baie de Passandava	1	**-13.8091**	**48.2726**	n/a	EU825212	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	Naturalis 1887:66ca	*C. major*	n/a	Madagascar	*	n/a	n/a	n/a	EU825221	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	Naturalis 1887:66ga	*C. major*	n/a	Maranzettra = Maroantsetra	12	**-15.4334**	**49.7389**	n/a	EU825220	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	Naturalis 1887:66fa	*C. major*	n/a	Passumbée = Ampasimbe	15	**-17.0976**	**49.4856**	n/a	EU825222	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	Naturalis D.C. van Dam	*C. medius*	n/a	Moroundava = Morondava	36	**-20.2920**	**44.2786**	n/a	EU825210	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	Naturalis D.C. van Dam	*C. medius*	n/a	Moroundava = Morondava	36	**-20.2920**	**44.2786**	n/a	EU825211	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	NHM 1935.1.8.168	*C. medius*	n/a	Tabiky	35	**-22.1667**	**44.2500**	n/a	EU825213	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	NHM 1935.1.8.169	*C. major*	n/a	Maroantsetra	12	**-15.4334**	**49.7389**	n/a	EU825224	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	NHM 1939.1289	*C. major*	n/a	Imerina, E.	22	**-20.4196**	**47.3935**	n/a	EU825217	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	NHM 1948.160	*C. crossleyi*	n/a	Lake Alaotra	14	**-17.4756**	**48.4143**	n/a	EU825218	n/a	n/a	n/a	n/a
Groeneveld *et al.* (2009)	E1001	*C. medius*	CmeC	Ambanja/Ambato	4	-13.3958	48.4705	EU825467	EU825323	EU825371	EU825372	EU825515	EU825516
Groeneveld *et al.* (2009)	E1002	*C. medius*	CmeD	Kirindy	37	-20.0737	44.6757	EU825468	EU825324	EU825373	EU825374	EU825517	EU825518
Groeneveld *et al.* (2009)	E1003	*C. medius*	CmeD	Kirindy	37	-20.0737	44.6757	EU825469	EU825325	EU825375	EU825376	EU825519	EU825520
Groeneveld *et al* . (2009)	E1004	*C. medius*	CmeD	Kirindy	37	-20.0737	44.6757	EU825470	EU825326	EU825377	EU825378	EU825521	EU825522
Groeneveld *et al* . (2009)	MR0291	*C. medius*	CmeA	Bekaraoka	7	-13.1047	49.7074	EU825471	EU825327	EU825379	EU825380	EU825523	EU825524
Groeneveld *et al.* (2009)	RMR169	*C. medius*	CmeB	Sambava	9	-14.3994	50.1739	EU825472	EU825328	EU825381	EU825382	EU825525	EU825526
Groeneveld *et al.* (2009)	RMR170	*C. medius*	CmeB	Sambava	9	-14.3994	50.1739	EU825473	EU825329	EU825383	EU825384	EU825527	EU825528
Groeneveld *et al.* (2009)	RMR177	*C. medius*	CmeB	Sambava	9	-14.3994	50.1739	EU825474	EU825330	EU825385	EU825386	EU825529	EU825530
Groeneveld *et al.* (2009)	RMR178	*C. medius*	CmeB	Sambava	9	-14.3994	50.1739	EU825475	EU825331	EU825387	EU825388	EU825531	EU825532
Groeneveld *et al.* (2009)	RMR150	*C. medius*	CmeD	Bemaraha	38	-19.1036	44.7675	EU825476	EU825332	EU825389	EU825390	EU825533	EU825534
Groeneveld *et al.* (2009)	RMR152	*C. medius*	CmeD	Bemaraha	38	-19.1036	44.7675	EU825477	EU825333	EU825391	EU825392	EU825535	EU825536
Groeneveld *et al.* (2009)	RMR162	*C. medius*	CmeC	Ambanja/Benavony	2	-13.7111	48.4799	EU825478	EU825334	EU825393	EU825394	EU825537	EU825538
Groeneveld *et al.* (2009)	RMR132	*C. major*	Cma	Marolambo	21	-20.0602	48.1833	EU825479	EU825335	EU825395	EU825396	EU825539	EU825540
Groeneveld *et al.* (2009)	RMR133	*C. major*	Cma	Marolambo	21	-20.0602	48.1833	EU825480	EU825336	EU825397	EU825398	EU825541	EU825542
Groeneveld *et al.* (2009)	RMR134	*C. major*	Cma	Marolambo	21	-20.0602	48.1833	EU825481	EU825337	EU825399	EU825400	EU825543	EU825544
Groeneveld *et al.* (2009)	RMR135	*C. major*	Cma	Marolambo	21	-20.0602	48.1833	EU825482	EU825338	EU825401	EU825402	EU825545	EU825546
Groeneveld *et al.* (2009)	RMR137	*C. major*	Cma	Marolambo	21	-20.0602	48.1833	EU825483	EU825339	EU825403	EU825404	EU825547	EU825548
Groeneveld *et al* . (2009)	RMR139	*C. major*	Cma	Tampolo	16	-17.2868	49.4088	EU825484	EU825340	EU825405	EU825406	EU825549	EU825550
Groeneveld *et al.* (2009)	RMR140	*C. major*	Cma	Tampolo	16	-17.2868	49.4088	EU825485	EU825341	EU825407	EU825408	EU825551	EU825552
Groeneveld *et al.* (2009)	RMR141	*C. major*	Cma	Tampolo	16	-17.2868	49.4088	EU825486	EU825342	EU825409	EU825410	EU825553	EU825554
Groeneveld *et al.* (2009)	RMR201	*C. major*	Cma	Ivorona	28	-24.8237	46.9487	EU825487	EU825343	EU825411	EU825412	EU825555	EU825556
Groeneveld *et al.* (2009)	RMR205	*C. major*	Cma	Ivorona	28	-24.8237	46.9487	EU825488	EU825344	EU825413	EU825414	EU825557	EU825558
Groeneveld *et al.* (2009)	RMR212	*C. major*	Cma	Manantantely	30	-24.9825	46.9274	EU825489	EU825345	EU825415	EU825416	EU825559	EU825560
Groeneveld *et al.* (2009)	RMR148	*C. major*	Cma	Andrambovato/Ambalavero	24	-21.4965	47.4454	EU825490	EU825346	EU825417	EU825418	EU825561	EU825562
Groeneveld *et al.* (2009)	RMR149	*C. major*	ns	Andrambovato/Ambalavero	24	-21.4965	47.4454	EU825491	EU825347	EU825419	EU825420	EU825563	EU825564
Groeneveld *et al.* (2009)	RMR171	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825492	EU825348	EU825421	EU825422	EU825565	EU825566
Groeneveld *et al* . (2009)	RMR172	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825493	EU825349	EU825423	EU825424	EU825567	EU825568
Groeneveld *et al.* (2009)	RMR173	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825494	EU825350	EU825425	EU825426	EU825569	EU825570
Groeneveld *et al.* (2009)	RMR174	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825495	EU825351	EU825427	EU825428	EU825571	EU825572
Groeneveld *et al.* (2009)	RMR175	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825496	EU825352	EU825429	EU825430	EU825573	EU825574
Groeneveld *et al.* (2009)	RMR176	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825497	EU825353	EU825431	EU825432	EU825575	EU825576
Groeneveld *et al.* (2009)	RMR180	*C. crossleyi*	CcrB	Manantenina	10	-14.4910	49.8115	EU825498	EU825354	EU825433	EU825434	EU825577	EU825578
Groeneveld *et al.* (2009)	RMR181	*C. crossleyi*	CcrB	Manantenina	10	-14.4910	49.8115	EU825499	EU825355	EU825435	EU825436	EU825579	EU825580
Groeneveld *et al.* (2009)	RMR182	*C. crossleyi*	CcrB	Manantenina	10	-14.4910	49.8115	EU825500	EU825356	EU825437	EU825438	EU825581	EU825582
Groeneveld *et al.* (2009)	RMR183	*C. crossleyi*	CcrB	Manantenina	10	-14.4910	49.8115	EU825501	EU825357	EU825439	EU825440	EU825583	EU825584
Groeneveld *et al.* (2009)	RMR184	*C. crossleyi*	CcrB	Manantenina	10	-14.4910	49.8115	EU825502	EU825358	EU825441	EU825442	EU825585	EU825586
Groeneveld *et al.* (2009)	RMR146	*C. crossleyi*	CcrC	Andrambovato/Oranjatsy	25	-21.4959	47.4018	EU825503	EU825359	EU825443	EU825444	EU825587	EU825588
Groeneveld *et al.* (2009)	RMR153	*C. crossleyi*	CcrA	Montagne d'Ambre	6	-12.4748	49.2185	EU825504	EU825360	EU825445	EU825446	EU825589	EU825590
Groeneveld *et al.* (2009)	RMR155	*C. crossleyi*	CcrA	Montagne d'Ambre	6	-12.4748	49.2185	EU825505	EU825361	EU825447	EU825448	EU825591	EU825592
Groeneveld *et al.* (2009)	RMR158	*C. crossleyi*	CcrA	Montagne d'Ambre	6	-12.4748	49.2185	EU825506	EU825362	EU825449	EU825450	EU825593	EU825594
Groeneveld *et al.* (2009)	RMR164	*C. crossleyi*	CcrB	Ambanja/Beandroana	3	-13.7030	48.5046	EU825507	EU825363	EU825451	EU825452	EU825595	EU825596
Groeneveld *et al.* (2009)	RMR166	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825508	EU825364	EU825453	EU825454	EU825597	EU825598
Groeneveld *et al.* (2009)	RMR167	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825509	EU825365	EU825455	EU825456	EU825599	EU825600
Groeneveld *et al.* (2009)	RMR168	*C. crossleyi*	CcrB	Sambava	9	-14.3994	50.1739	EU825510	EU825366	EU825457	EU825458	EU825601	EU825602
Groeneveld *et al.* (2009)	RMR179	*C. crossleyi*	CcrB	Manantenina	10	-14.4910	49.8115	EU825511	EU825367	EU825459	EU825460	EU825603	EU825604
Groeneveld *et al.* (2009)	RMR193	*C. crossleyi*	CcrB	Ankazomivady	23	-20.7800	47.1820	EU825512	EU825368	EU825461	EU825462	EU825605	EU825606
Groeneveld *et al.* (2009)	RMR194	*C. crossleyi*	CcrB	Ankazomivady	23	-20.7800	47.1820	EU825513	EU825369	EU825463	EU825464	EU825607	EU825608
Groeneveld *et al.* (2009)	RMR196	*C. crossleyi*	CcrB	Ankazomivady	23	-20.7800	47.1820	EU825514	EU825370	EU825465	EU825466	EU825609	EU825610
Groeneveld *et al.* (2010)	MB212	*C. crossleyi*	CcrB	Tsinjoarivo/Vatateza	41	-19.7208	47.8569	n/a	GQ243481	GQ243530	GQ243531	GQ243570	GQ243571
Groeneveld *et al.* (2010)	MB214	*C. crossleyi*	CcrB	Tsinjoarivo/Vatateza	41	-19.7208	47.8569	n/a	GQ243482	GQ243520	GQ243521	GQ243556	GQ243557
Groeneveld *et al.* (2010)	MB215	*C. crossleyi*	CcrB	Tsinjoarivo/Vatateza	41	-19.7208	47.8569	n/a	GQ243483	GQ243532	GQ243533	GQ243558	GQ243559
Groeneveld *et al.* (2010)	MB220	*C. crossleyi*	CcrB	Tsinjoarivo/Vatateza	41	-19.7208	47.8569	n/a	GQ243484	GQ243524	GQ243525	GQ243562	GQ243563
Groeneveld *et al.* (2010)	MB221	*C. crossleyi*	CcrB	Tsinjoarivo/Vatateza	41	-19.7208	47.8569	n/a	GQ243485	GQ243526	GQ243527	GQ243564	GQ243565
Groeneveld *et al.* (2010)	MB222	*C. crossleyi*	CcrB	Tsinjoarivo/Vatateza	41	-19.7208	47.8569	n/a	GQ243486	GQ243528	GQ243529	GQ243566	GQ243567
Groeneveld *et al* . (2010)	MB223	*C. crossleyi*	ns	Tsinjoarivo/Vatateza	41	-19.7208	47.8569	n/a	GQ243487	ns	ns	GQ243568	GQ243569
Groeneveld *et al.* (2010)	MB217	*C. crossleyi*	CcrC	Ranomafana/Talatakely	40	-21.2639	47.4189	n/a	GQ243488	GQ243534	GQ243535	GQ243560	GQ243561
Groeneveld *et al.* (2010)	MB210	*C. crossleyi*	CcrC	Ranomafana/Talatakely	40	-21.2639	47.4189	n/a	GQ243489	GQ243522	GQ243523	GQ243554	GQ243555
Groeneveld *et al.* (2010)	MB224	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243490	GQ243500	GQ243501	GQ243552	GQ243553
Groeneveld *et al.* (2010)	MB206	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243491	GQ243508	GQ243509	GQ243536	GQ243537
Groeneveld *et al.* (2010)	MB207	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243492	GQ243502	GQ243503	GQ243538	GQ243539
Groeneveld *et al.* (2010)	MB208	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243493	GQ243510	GQ243511	GQ243540	GQ243541
Groeneveld *et al.* (2010)	MB209	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243494	GQ243504	GQ243512	GQ243542	GQ243543
Groeneveld *et al.* (2010)	MB213	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243495	GQ243505	GQ243506	GQ243546	GQ243547

Groeneveld *et al.* (2010)	MB216	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243496	GQ243518	GQ243519	GQ243548	GQ243549
Groeneveld *et al.* (2010)	MB218	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243497	GQ243513	GQ243515	GQ243550	GQ243551
Groeneveld *et al.* (2010)	MB219	*C. sibreei*	ns	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243498	GQ243516	GQ243517	GQ243572	GQ243573
Groeneveld *et al.* (2010)	MB211	*C. sibreei*	Csi	Tsinjoarivo/Andasivodihazo	42	-19.6875	47.7736	n/a	GQ243499	GQ243507	GQ243514	GQ243544	GQ243545
Thiele *et al* . (2013)	AH-X-00-405	*C. crossleyi*	CcrD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505933	KC505984	KC505985	KC505729	KC505730
Thiele *et al.* (2013)	AH-X-00-160	*C. crossleyi*	CcrD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505934	KC505986	KC505987	KC505731	KC505732
Thiele *et al.* (2013)	AH-X-00-162	*C. crossleyi*	CcrD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505935	KC505988	KC505989	KC505733	KC505734
Thiele *et al. (* 2013)	AH-X-00-168	*C. crossleyi*	CcrD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505936	KC505990	KC505991	KC505735	KC505736
Thiele *et al.* (2013)	AH-X-00-170	*C. crossleyi*	CcrD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505937	KC505992	KC505993	KC505737	KC505738
Thiele *et al.* (2013)	AH-X-00-179	*C. crossleyi*	CcrD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505938	KC505994	KC505995	KC505739	KC505740
Thiele *et al. (* 2013)	AH-X-00-181	*C. crossleyi*	CcrD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505939	KC505996	KC505997	KC505741	KC505742
Thiele *et al.* (2013)	AH-04-082	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505940	KC505998	KC505999	KC505743	KC505744
Thiele *et al.* (2013)	AH-04-109	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505941	KC506000	KC506001	KC505745	KC505746
Thiele *et al.* (2013)	AH-04-110	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505942	KC506002	KC506003	KC505747	KC505748
Thiele *et al.* (2013)	AH-04-112	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505943	KC506004	KC506005	KC505749	KC505750
Thiele *et al.* (2013)	AH-04-113	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505944	KC506006	KC506007	KC505751	KC505752
Thiele *et al.* (2013)	AH-04-122	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505945	KC506008	KC506009	KC505753	KC505754
Thiele *et al.* (2013)	AH-04-123	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505946	KC506010	KC506011	KC505755	KC505756
Thiele *et al.* (2013)	AH-04-126	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505947	KC506012	KC506013	KC505757	KC505758
Thiele *et al.* (2013)	AH-04-131	*C. crossleyi*	CcrD	Ambatotsirongorongo	44	-25.0780	46.7824	n/a	KC505948	KC506014	KC506015	KC505759	KC505760
Thiele *et al.* (2013)	AHMG-06-201	*C. crossleyi*	CcrD	Grand Lavasoa	45	-25.0891	46.7447	n/a	KC505949	KC506016	KC506017	KC505761	KC505762
Thiele *et al.* (2013)	AH-X-00-250	*C. major*	Cma	Farafara	27	-24.8481	47.0109	n/a	KC505950	KC506018	KC506019	KC505763	KC505764
Thiele *et al.* (2013)	AH-X-00-251	*C. major*	Cma	Farafara	27	-24.8481	47.0109	n/a	KC505951	KC506020	KC506021	KC505765	KC505766
Thiele *et al.* (2013)	AH-X-00-253	*C. major*	Cma	Farafara	27	-24.8481	47.0109	n/a	KC505952	KC506022	KC506023	KC505767	KC505768
Thiele *et al.* (2013)	AH-X-00-254	*C. major*	Cma	Farafara	27	-24.8481	47.0109	n/a	KC505953	KC506024	KC506025	KC505769	KC505770
Thiele *et al.* (2013)	AH-X-00-263	*C. major*	Cma	Farafara	27	-24.8481	47.0109	n/a	KC505954	KC506026	KC506027	KC505771	KC505772
Thiele *et al.* (2013)	AH-X-00-033	*C. major*	Cma	Mandena	29	-24.9569	46.9982	n/a	KC505955	KC506028	KC506029	KC505773	KC505774
Thiele *et al.* (2013)	AH-X-00-036	*C. major*	Cma	Mandena	29	-24.9569	46.9982	n/a	KC505956	KC506030	KC506031	KC505775	KC505776
Thiele *et al.* (2013)	AH-X-00-038	*C. major*	Cma	Mandena	29	-24.9569	46.9982	n/a	KC505957	KC506032	KC506033	KC505777	KC505778
Thiele *et al.* (2013)	AH-X-00-039	*C. major*	Cma	Mandena	29	-24.9569	46.9982	n/a	KC505958	KC506034	KC506035	KC505779	KC505780
Thiele *et al.* (2013)	AH-9-02-052	*C. major*	Cma	Manantantely	30	-24.9825	46.9274	n/a	KC505959	KC506036	KC506037	KC505781	KC505782
Thiele *et al.* (2013)	AH-9-02-062	*C. major*	Cma	Manantantely	30	-24.9825	46.9274	n/a	KC505960	KC506038	KC506039	KC505783	KC505784
Thiele *et al.* (2013)	AH-9-02-064	*C. major*	Cma	Manantantely	30	-24.9825	46.9274	n/a	KC505961	KC506040	KC506041	KC505785	KC505786
Thiele *et al.* (2013)	AH-9-02-067	*C. major*	Cma	Manantantely	30	-24.9825	46.9274	n/a	KC505962	KC506042	KC506043	KC505787	KC505788
Thiele *et al.* (2013)	AH-9-02-068	*C. major*	Cma	Manantantely	30	-24.9825	46.9274	n/a	KC505963	KC506044	KC506045	KC505789	KC505790
Thiele *et al.* (2013)	AH-9-02-075	*C. major*	Cma	Andohavondro	31	-24.9874	46.7273	n/a	KC505964	KC506046	KC506047	KC505791	KC505792
Thiele *et al.* (2013)	AH-9-02-085	*C. major*	Cma	Andohavondro	31	-24.9874	46.7273	n/a	KC505965	KC506048	KC506049	KC505793	KC505794
Thiele *et al.* (2013)	AH-9-02-086	*C. major*	Cma	Andohavondro	31	-24.9874	46.7273	n/a	KC505966	KC506050	KC506051	KC505795	KC505796
Thiele *et al.* (2013)	AH-9-02-096	*C. major*	Cma	Andohavondro	31	-24.9874	46.7273	n/a	KC505967	KC506052	KC506053	KC505797	KC505798
Thiele *et al.* (2013)	AHMG-07-121	*C. major*	Cma	Ampasimena	43	-24.3404	47.1320	n/a	KC505968	KC506054	KC506055	KC505799	KC505800
Thiele *et al.* (2013)	C004CmeS9	*C. medius*	CmeD	Sainte Luce	26	-24.7708	47.1736	n/a	KC505969	KC506056	KC506057	KC505801	KC505802
Thiele *et al.* (2013)	AH-X-00-073	*C. medius*	CmeD	Sainte Luce	26	-24.7708	47.1736	n/a	KC505970	KC506058	KC506059	KC505803	KC505804
Thiele *et al.* (2013)	AH-X-00-074	*C. medius*	CmeD	Sainte Luce	26	-24.7708	47.1736	n/a	KC505971	KC506060	KC506061	KC505805	KC505806
Thiele *et al.* (2013)	AH-X-00-077	*C. medius*	CmeD	Sainte Luce	26	-24.7708	47.1736	n/a	KC505972	KC506062	KC506063	KC505807	KC505808
Thiele *et al.* (2013)	AH-X-00-080	*C. medius*	CmeD	Sainte Luce	26	-24.7708	47.1736	n/a	KC505973	KC506064	KC506065	KC505809	KC505810
Thiele *et al.* (2013)	AH-X-00-120	*C. medius*	CmeD	Sainte Luce	26	-24.7708	47.1736	n/a	KC505974	KC506066	KC506067	KC505811	KC505812
Thiele *et al.* (2013)	AH-X-00-017	*C. medius*	CmeD	Mandena	29	-24.9569	46.9982	n/a	KC505975	KC506068	KC506069	KC505813	KC505814
Thiele *et al.* (2013)	AH-X-00-018	*C. medius*	CmeD	Mandena	29	-24.9569	46.9982	n/a	KC505976	KC506070	KC506071	KC505815	KC505816
Thiele *et al.* (2013)	AH-X-00-031	*C. medius*	CmeD	Mandena	29	-24.9569	46.9982	n/a	KC505977	KC506072	KC506073	KC505817	KC505818
Thiele *et al.* (2013)	AH-X-00-032	*C. medius*	CmeD	Mandena	29	-24.9569	46.9982	n/a	KC505978	KC506074	KC506075	KC505819	KC505820
Thiele *et al.* (2013)	AH-X-00-034	*C. medius*	CmeD	Mandena	29	-24.9569	46.9982	n/a	KC505979	KC506076	KC506077	KC505821	KC505822
Thiele *et al.* (2013)	AH-X-00-164	*C. medius*	CmeD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505980	KC506078	KC506079	KC505823	KC505824
Thiele *et al.* (2013)	AH-X-00-183	*C. medius*	CmeD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505981	KC506080	KC506081	KC505825	KC505826
Thiele *et al.* (2013)	AH-X-00-184	*C. medius*	CmeD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505982	KC506082	KC506083	KC505827	KC505828
Thiele *et al.* (2013)	AH-X-00-185	*C. medius*	CmeD	Petit Lavasoa	33	-25.0809	46.7622	n/a	KC505983	KC506084	KC506085	KC505829	KC505830

We adopted the locality numbers from Groeneveld *et al.* (2009, 2010) and Thiele *et al.* (2013). The GPS points in bold are presumed locations based on the locality of the museum and the estimation of Groeneveld *et al.* (2009)

Table S7. Genetic distance matrix for mtDNA cytb sequence data between and within clades of *Cheirogaleus.*

	Crossleyi A	Crossleyi B	Crossleyi C	Crossleyi D	Crossleyi E	Major A	Major B	Major C	Medius A	Medius B	Medius C	Medius D	Medius E	Medius F	Medius G	Medius H	*C. sibreei*
Crossleyi A	0.002±0.001																
Crossleyi B	0.062±0.006	0.014±0.002															
Crossleyi C	0.056±0.007	0.042±0.005	0.007±0.002														
Crossleyi D	0.063±0.007	0.065±0.007	0.060±0.007	0.005±0.001													
Crossleyi E[a]	0.081±0.008	0.083±0.008	0.077±0.008	0.082±0.007	0.014±0.004												
Major A	0.110±0.008	0.122±0.008	0.127±0.009	0.124±0.009	0.123±0.009	0.004±0.001											
Major B	0.100±0.008	0.108±0.008	0.112±0.009	0.110±0.008	0.115±0.009	0.032±0.004	0.005±0.001										
Major C	0.106±0.008	0.112±0.008	0.117±0.009	0.111±0.009	0.115±0.009	0.036±0.005	0.022±0.004	0.007±0.001									
Medius A	0.117±0.009	0.140±0.009	0.138±0.009	0.137±0.009	0.142±0.009	0.129±0.009	0.129±0.009	0.127±0.009	0.007±0.001								
Medius B	0.120±0.009	0.133±0.008	0.131±0.009	0.127±0.009	0.139±0.009	0.122±0.009	0.123±0.008	0.124±0.008	0.072±0.007	0.009±0.002							
Medius C	0.117±0.009	0.132±0.009	0.131±0.010	0.126±0.010	0.135±0.010	0.123±0.009	0.124±0.009	0.124±0.009	0.077±0.008	0.021±0.004	n/c						
Medius D	0.119±0.009	0.136±0.009	0.134±0.009	0.132±0.009	0.134±0.009	0.129±0.009	0.133±0.009	0.129±0.009	0.073±0.007	0.048±0.006	0.049±0.006	0.011±0.003					
Medius E	0.122±0.009	0.138±0.009	0.136±0.009	0.137±0.010	0.138±0.010	0.132±0.009	0.129±0.009	0.128±0.009	0.074±0.007	0.044±0.005	0.043±0.006	0.037±0.005	n/c				
Medius F	0.118±0.009	0.142±0.009	0.135±0.009	0.134±0.009	0.141±0.010	0.123±0.009	0.128±0.009	0.128±0.009	0.047±0.006	0.073±0.007	0.074±0.008	0.070±0.007	0.073±0.007	0.001±0.001			
Medius G	0.123±0.009	0.141±0.010	0.135±0.009	0.135±0.010	0.132±0.010	0.130±0.009	0.131±0.009	0.129±0.009	0.077±0.007	0.031±0.005	0.032±0.005	0.049±0.006	0.047±0.006	0.077±0.008	0.002±0.001		
Medius H	0.125±0.009	0.140±0.010	0.142±0.010	0.141±0.010	0.139±0.010	0.131±0.009	0.133±0.009	0.132±0.010	0.080±0.008	0.047±0.006	0.046±0.006	0.053±0.006	0.050±0.006	0.077±0.008	0.046±0.006	n/c	
C. sibreei	0.116±0.009	0.132±0.009	0.129±0.009	0.131±0.009	0.131±0.010	0.127±0.009	0.129±0.009	0.124±0.009	0.127±0.009	0.131±0.009	0.123±0.010	0.124±0.009	0.126±0.009	0.132±0.009	0.132±0.010	0.134±0.010	0.005±0.002

[a]This clade was designated as *C. lavasoensis* (Thiele *et al.* 2013).

Table S8. Genetic distance matrix for mtDNA PAST fragment sequence data between and within clades of *Cheirogaleus*.

	Crossleyi A	Crossleyi B	Crossleyi C	Crossleyi D	Crossleyi E	Major A	Major B	Major C	Medius A	Medius B	Medius C	Medius D	Medius E	*C. sibreei*
Crossleyi A	0.001±0.000													
Crossleyi B	0.049±0.004	0.006±0.001												
Crossleyi C	0.041±0.004	0.032±0.004	n/c											
Crossleyi D	0.052±0.005	0.053±0.005	0.049±0.005	0.004±0.001										
Crossleyi E[a]	0.069±0.005	0.073±0.005	0.065±0.005	0.067±0.005	n/c									
Major A	0.115±0.007	0.115±0.007	0.112±0.007	0.114±0.007	0.120±0.007	0.004±0.001								
Major B	0.113±0.007	0.114±0.007	0.111±0.007	0.112±0.006	0.120±0.007	0.037±0.004	0.000±0.000							
Major C	0.112±0.007	0.113±0.006	0.110±0.006	0.110±0.006	0.117±0.007	0.035±0.003	0.023±0.003	0.005±0.001						
Medius A	0.136±0.007	0.137±0.007	0.137±0.007	0.135±0.007	0.145±0.007	0.138±0.007	0.134±0.007	0.137±0.007	0.003±0.001					
Medius B	0.129±0.007	0.134±0.007	0.133±0.007	0.128±0.006	0.139±0.007	0.129±0.006	0.133±0.006	0.132±0.006	0.085±0.006	0.009±0.001				
Medius C	0.127±0.007	0.131±0.007	0.128±0.007	0.126±0.007	0.136±0.007	0.131±0.007	0.134±0.007	0.133±0.007	0.088±0.006	0.021±0.003	n/c			
Medius D	0.134±0.007	0.138±0.007	0.136±0.007	0.133±0.007	0.137±0.007	0.138±0.007	0.136±0.007	0.138±0.007	0.088±0.006	0.055±0.005	0.053±0.005	0.011±0.002		
Medius E	0.124±0.007	0.128±0.007	0.129±0.007	0.123±0.007	0.129±0.006	0.127±0.006	0.127±0.007	0.127±0.007	0.086±0.005	0.054±0.005	0.052±0.005	0.044±0.004	n/c	
C. sibreei	0.135±0.007	0.141±0.007	0.139±0.007	0.141±0.007	0.144±0.007	0.135±0.007	0.139±0.007	0.138±0.007	0.145±0.007	0.137±0.007	0.140±0.007	0.149±0.007	0.140±0.007	0.005±0.001

[a]This clade was designated as *C. lavasoensis* (Thiele *et al.* 2013).

Table S9. Genetic distance matrix for mtDNA D-loop sequence data between and within clades of *Cheirogaleus*.

	Crossleyi A	Crossleyi B	Crossleyi C	Crossleyi D	Crossleyi E	Major A	Major B	Major C	Medius A	Medius B	Medius C	Medius D	Medius E	*C. sibreei*
Crossleyi A	0.005±0.002													
Crossleyi B	0.053±0.009	0.014±0.003												
Crossleyi C	0.070±0.011	0.054±0.009	n/c											
Crossleyi D	0.071±0.010	0.053±0.009	0.070±0.010	n/c										
Crossleyi E[a]	0.090±0.012	0.092±0.012	0.100±0.012	0.087±0.011	0.016±0.004									
Major A	0.130±0.013	0.131±0.013	0.141±0.014	0.135±0.013	0.136±0.013	0.010±0.003								
Major B	0.127±0.013	0.127±0.013	0.127±0.014	0.125±0.013	0.134±0.014	0.049±0.008	0.001±0.001							
Major C	0.124±0.013	0.122±0.013	0.137±0.013	0.119±0.012	0.128±0.013	0.052±0.008	0.046±0.008	0.012±0.003						
Medius A	0.195±0.016	0.194±0.016	0.209±0.017	0.200±0.016	0.186±0.016	0.202±0.016	0.199±0.016	0.203±0.016	0.015±0.003					
Medius B	0.196±0.015	0.193±0.015	0.207±0.016	0.195±0.015	0.178±0.015	0.199±0.015	0.192±0.015	0.201±0.015	0.111±0.011	0.029±0.005				
Medius C	0.194±0.016	0.190±0.016	0.204±0.017	0.200±0.016	0.172±0.016	0.198±0.016	0.194±0.017	0.203±0.016	0.109±0.012	0.045±0.007	n/c			
Medius D	0.198±0.015	0.195±0.016	0.205±0.016	0.197±0.016	0.180±0.015	0.190±0.015	0.190±0.016	0.206±0.016	0.105±0.012	0.069±0.009	0.064±0.009	n/c		
Medius E	0.201±0.016	0.202±0.017	0.215±0.017	0.190±0.016	0.192±0.016	0.190±0.016	0.196±0.017	0.200±0.016	0.112±0.013	0.088±0.011	0.084±0.012	0.084±0.011	0.038±0.008	
C. sibreei	0.194±0.016	0.192±0.016	0.204±0.017	0.202±0.016	0.194±0.016	0.214±0.017	0.214±0.017	0.224±0.017	0.227±0.016	0.208±0.016	0.217±0.017	0.220±0.016	0.222±0.017	0.016±0.005

[a]This clade was designated as *C. lavasoensis* (Thiele *et al.* 2013).

Table S10. Genetic distance matrix for mtDNA COII sequence data between and within clades of *Cheirogaleus*.

	Crossleyi A	Crossleyi B	Crossleyi C	Crossleyi D	Crossleyi E	Major A	Major B	Major C	Medius A	Medius B	Medius C	Medius D	Medius E	Medius F	Medius H	*C. sibreei*
Crossleyi A	0.002±0.001															
Crossleyi B	0.039±0.007	0.005±0.001														
Crossleyi C	0.034±0.007	0.024±0.006	0.001±0.001													
Crossleyi D	0.031±0.006	0.041±0.007	0.040±0.007	0.008±0.003												
Crossleyi E[a]	0.049±0.008	0.055±0.008	0.052±0.008	0.046±0.007	n/c											
Major A	0.099±0.011	0.087±0.010	0.086±0.010	0.086±0.010	0.096±0.010	0.002±0.001										
Major B	0.092±0.010	0.084±0.009	0.088±0.010	0.078±0.009	0.092±0.010	0.027±0.006	0.003±0.001									
Major C	0.093±0.011	0.086±0.010	0.089±0.010	0.084±0.010	0.093±0.010	0.027±0.006	0.016±0.004	0.003±0.001								
Medius A	0.107±0.011	0.099±0.011	0.102±0.011	0.102±0.011	0.100±0.011	0.080±0.010	0.085±0.010	0.085±0.010	0.002±0.001							
Medius B	0.114±0.012	0.115±0.011	0.109±0.011	0.117±0.012	0.111±0.012	0.083±0.010	0.096±0.011	0.093±0.011	0.057±0.009	0.005±0.002						
Medius C	0.119±0.012	0.117±0.012	0.113±0.012	0.122±0.012	0.114±0.012	0.094±0.011	0.106±0.011	0.103±0.011	0.062±0.009	0.018±0.005	n/c					
Medius D	0.125±0.012	0.124±0.012	0.115±0.011	0.118±0.012	0.118±0.012	0.093±0.011	0.101±0.011	0.094±0.011	0.066±0.009	0.034±0.006	0.045±0.007	0.004±0.003				
Medius E	0.113±0.011	0.115±0.012	0.112±0.012	0.114±0.012	0.111±0.012	0.082±0.010	0.093±0.011	0.093±0.011	0.061±0.009	0.029±0.006	0.040±0.007	0.035±0.007	n/c			
Medius F	0.116±0.012	0.114±0.012	0.113±0.012	0.113±0.012	0.108±0.011	0.094±0.011	0.102±0.011	0.103±0.011	0.027±0.006	0.056±0.008	0.061±0.009	0.071±0.009	0.062±0.009	0.000±0.000		
Medius H	0.115±0.012	0.117±0.012	0.111±0.012	0.116±0.012	0.106±0.011	0.090±0.011	0.098±0.011	0.095±0.011	0.066±0.010	0.033±0.006	0.036±0.007	0.039±0.007	0.036±0.007	0.065±0.010	0.001±0.001	
C. sibreei	0.124±0.012	0.124±0.012	0.122±0.012	0.126±0.012	0.121±0.012	0.118±0.012	0.117±0.011	0.118±0.012	0.106±0.011	0.119±0.011	0.119±0.011	0.123±0.011	0.114±0.011	0.117±0.012	0.122±0.012	0.019±0.005

[a]This clade was designated as *C. lavasoensis* (Thiele *et al.* 2013).

Table S11. Genetic distance matrix for nucDNA CFTR-PAIRB sequence data between and within clades of *Cheirogaleus*.

	Crossleyi A	Crossleyi B	Crossleyi C	Crossleyi D	Crossleyi E	Major A	Major B	Major C	Medius A	Medius B	Medius C	Medius D	Medius E	*C. sibreei*
Crossleyi A	0.000±0.000													
Crossleyi B	0.000±0.000	0.000±0.000												
Crossleyi C	0.000±0.000	0.000±0.000	n/c											
Crossleyi D	0.001±0.000	0.000±0.000	0.000±0.000	0.001±0.001										
Crossleyi E[a]	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	n/c									
Major A	0.002±0.001	0.002±0.001	0.002±0.001	0.002±0.002	0.002±0.001	0.000±0.000								
Major B	0.002±0.001	0.002±0.001	0.002±0.001	0.002±0.002	0.002±0.001	0.000±0.000	0.000±0.000							
Major C	0.002±0.002	0.002±0.001	0.002±0.001	0.002±0.002	0.002±0.001	0.000±0.000	0.000±0.000	0.001±0.001						
Medius A	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.003±0.002	0.003±0.002	0.004±0.002	0.000±0.000					
Medius B	0.006±0.003	0.006±0.003	0.006±0.003	0.006±0.003	0.006±0.003	0.004±0.002	0.004±0.002	0.005±0.003	0.001±0.001	0.002±0.001				
Medius C	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.003±0.002	0.003±0.002	0.004±0.002	0.000±0.000	0.001±0.001	n/c			
Medius D	0.007±0.003	0.007±0.003	0.007±0.003	0.007±0.003	0.007±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.002±0.002	0.003±0.002	0.002±0.002	0.000±0.000		
Medius E	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.003±0.002	0.003±0.002	0.004±0.002	0.000±0.000	0.001±0.001	0.000±0.000	0.002±0.002	n/c	
C. sibreei	0.008±0.003	0.007±0.003	0.007±0.003	0.008±0.003	0.007±0.003	0.006±0.003	0.006±0.003	0.006±0.003	0.009±0.004	0.010±0.004	0.009±0.004	0.011±0.004	0.009±0.004	0.002±0.002

[a]This clade was designated as *C. lavasoensis* (Thiele *et al.* 2013).

Table S12. Genetic distance matrix for nucDNA FIBA sequence data between and within clades of *Cheirogaleus*.

	Crossleyi A	Crossleyi B	Crossleyi C	Crossleyi D	Crossleyi E	Major A	Major B	Major C	Medius A	Medius B	Medius C	Medius D	Medius E	Medius F	Medius G	Medius H	*C. sibreei*
Crossleyi A	0.000±0.000																
Crossleyi B	0.000±0.000	0.000±0.000															
Crossleyi C	0.000±0.000	0.000±0.000	0.000±0.000														
Crossleyi D	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000													
Crossleyi E[a]	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000												
Major A	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000											
Major B	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000										
Major C	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000									
Medius A	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.000±0.000								
Medius B	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.002±0.002	0.000±0.000							
Medius C	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.004±0.003	0.002±0.002	n/c						
Medius D	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.002±0.002	0.000±0.000	0.002±0.002	0.000±0.000					
Medius E	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.004±0.002	0.002±0.002	0.004±0.003	0.002±0.002	n/c				
Medius F	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.002±0.002	0.000±0.000	0.002±0.002	0.004±0.003	0.002±0.002	0.004±0.002	0.000±0.000			
Medius G	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.002±0.002	0.000±0.000	0.002±0.002	0.000±0.000	0.002±0.002	0.002±0.002	0.000±0.000		
Medius H	0.006±0.003	0.006±0.003	0.006±0.003	0.006±0.003	0.006±0.003	0.006±0.003	0.006±0.003	0.006±0.003	0.004±0.002	0.006±0.003	0.007±0.004	0.006±0.003	0.007±0.004	0.004±0.002	0.006±0.003	0.000±0.000	
C. sibreei	0.004±0.002	0.004±0.002	0.004±0.002	0.004±0.002	0.004±0.002	0.004±0.002	0.004±0.002	0.004±0.002	0.006±0.003	0.004±0.003	0.006±0.003	0.004±0.002	0.006±0.003	0.006±0.003	0.004±0.002	0.009±0.004	0.000±0.000

[a]This clade was designated as *C. lavasoensis* (Thiele *et al.* 2013).

Table S13. Genetic distance matrix for nucDNA VWF sequence data between and within clades of *Cheirogaleus*.

	Crossleyi A	Crossleyi B	Crossleyi C	Crossleyi D	Crossleyi E	Major A	Major B	Major C	Medius A	Medius B	Medius C	Medius D	Medius E	Medius F	Medius G	Medius H	*C. sibreei*
Crossleyi A	0.000±0.000																
Crossleyi B	0.000±0.000	0.000±0.000															
Crossleyi C	0.000±0.000	0.000±0.000	0.000±0.000														
Crossleyi D	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000													
Crossleyi E	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000	0.000±0.000												
Major A	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.000±0.000											
Major B	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.002±0.001	0.003±0.001										
Major C	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.000±0.000	0.002±0.001	0.001±0.001									
Medius A	0.007±0.004	0.007±0.004	0.007±0.004	0.007±0.004	0.007±0.004	0.011±0.005	0.011±0.004	0.012±0.005	0.000±0.000								
Medius B	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.009±0.004	0.009±0.004	0.010±0.004	0.002±0.002	0.000±0.000							
Medius C	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.009±0.004	0.009±0.004	0.009±0.004	0.002±0.002	0.000±0.000	n/c						
Medius D	0.007±0.004	0.007±0.004	0.007±0.004	0.007±0.004	0.007±0.004	0.011±0.005	0.011±0.004	0.012±0.005	0.005±0.003	0.002±0.002	0.002±0.002	0.000±0.000					
Medius E	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.009±0.004	0.009±0.004	0.009±0.004	0.002±0.002	0.000±0.000	0.000±0.000	0.002±0.002	n/c				
Medius F	0.007±0.004	0.007±0.004	0.007±0.004	0.007±0.004	0.007±0.004	0.011±0.005	0.011±0.004	0.012±0.005	0.000±0.000	0.002±0.002	0.002±0.002	0.005±0.003	0.002±0.002	0.000±0.000			
Medius G	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.005±0.003	0.009±0.004	0.009±0.004	0.009±0.004	0.002±0.002	0.000±0.000	0.000±0.000	0.002±0.002	0.000±0.000	0.002±0.002	0.000±0.000		
Medius H	0.010±0.004	0.010±0.004	0.010±0.004	0.010±0.004	0.010±0.004	0.012±0.005	0.012±0.004	0.013±0.005	0.008±0.004	0.006±0.003	0.006±0.003	0.008±0.004	0.006±0.003	0.008±0.004	0.006±0.003	0.000±0.000	
C. sibreei	0.009±0.004	0.009±0.004	0.009±0.004	0.009±0.004	0.009±0.004	0.011±0.005	0.012±0.005	0.012±0.005	0.016±0.006	0.013±0.005	0.014±0.005	0.016±0.006	0.014±0.005	0.016±0.006	0.014±0.005	0.019±0.006	0.000±0.000

[a]This clade was designated as *C. lavasoensis* (Thiele et al. 2013).

Table S14. Diagnostic nucleotide sites from the mtDNA cytb Pairwise Aggregation Analysis (PAA) of *Cheirogaleus*. No.PAA stands for number of diagnostic nucleotide sites.

	No.PAA	
		11111111111111
		1111111222223333333333444444444445555555555556666666777777778888888888899999999999000000000011111
		1125122228911229001235788923356677899001125789999134447900122348223444678990114456688813455677800122
		1281103563506587365497517692866867058170655601248220255335713043354019136570682610324592237918314468
Crossleyi A	4	TTCAACACTCCCCCCGAGACAAATAACACAACTCAAAAATAAAAATCCCACGCCCATCTACCCACCCCCCACCCCCAACACTCCAAGAATACGTTACAAA
Crossleyi B	6	.....T.........AYA...............A...K.Y................C.C.......T....GA...........C.......A.A.....
Crossleyi C	3	...............ATA...................G.................R..C............GA..........T...G..G.A.......
Crossleyi D	6	......G........ATAGT.......G...........................C.YC..........T.......G...........C..ACC.....
Crossleyi E	12	....G...C......ATA..G..C....T....Y...G...G.....T.....T...A.GAT...T........T..............C..A.......
Major A	3	.........A.....CCA.T.....C.......T..G........C...G..T.A.............TT....TT.............C..T.......
Major B	0	.........A.....CCA.T.....C.......T..G........C........A.............TT....T.R...............A.......
Major C	2	.........A.....CCAGT.....M.......T..R.....G..C........AR............TT....T.C...............A.Y.....
Medius A	5	........A.Y....TCAGA....GC.....T....G......T.C.A.C....TR.............T..TTA......C..........A..C....
Medius B	3	........A.A....CCAGT.....CT.........R..C...T.C.A.T....AW..CW.....A...T.T..G....C.Y.......C..A..T....
Medius C	1	........A......CCAGT.....C..........G..C...C.C.A.T....A...C.T....A...T.T..A....C.........C..A..T....
Medius D	4	...R....A.T....CCAGT.....C...C.......G.CR..T.C.A.T.A.TA...C..........T....A...TC............A..T.CT.
Medius E	4	........A.T....TCAGT..T..C..........G..C...T...ATT...TA...C..........A.T..A....CT...........A..T....
Medius F	6	.C......A.T..T.CCAGT.....C....G..T.G.......TCC.A.C....A..............T...TA......C.......C.TA..T....
Medius G	4	........A..T...CCAGT.....C.................T.C.A.TT...A...C......A...TGT..A....C......C..C..A..T....
Medius H	8	C.......ATT....CCAGT.....T.......T..G..C.T.T.C.A.T....A...C....GTA...T.T..A....T.........C..A..TT...
C. sibreei	25	..T....T....T.ACCAC..C..........G.G.TCCG....TATA.....AA...A.T.T....T...A..T......AT..G..GA..A......G

Table S15. Diagnostic nucleotide sites from the mtDNA PAST fragment Population Aggregation Analysis (PAA) of *Cheirogaleus.* No.PAA stands for number of diagnostic nucleotide sites.

	No. PAA	
		11111111111111111
		1111111222233333333333334444555555555556666666666666666677777777777888888888899999999999999999000000000011111111
		124455705891233456667899335600223444680011356667778890245556678023566779011222233345560122266790123345 6
		813790941894250937234290458194528807942065837137135199364379124178641212066812791288582230581682388092 53
Crossleyi A	9	ATCATATAACTAACACTACAAACACAATC-TTCAAATAAAAACACCACAAATCAACTCGACACCTAAATAATCTGTATTTTTAGAGTCAGAATTGTTACACTTA
Crossleyi B	11	.AT.................R.......-A......C.TG.......G........A..................C.A.A.....................
Crossleyi C	12	.AT....T.T.........T.G.......-.......C.TG.T......................G......T......A.A.....................
Crossleyi D	13	.AT.....G.C.............T..Y.-.CT..G.C..T.........G............................A.A...A............T...C.
Crossleyi E	22	.AT...C..............C.......-CC.....CC.C.............T.TAT......TG.....A.....A.A...CC.............TCA.
Major A	8	.ATT.............T....T......-CY.....CG.C..........C..G.C................C..C..A.A...............G..M.C.
Major B	7	.ATC..C......................-C......CG.C...A......C....C................C..G..A.A....................C.
Major C	2	.ATT.................R.......-C......C..C..........C....C................C..G..A.A....................C.
Medius A	36	.AT.........C............G...-.C.....CG.TG.G............AA..TG..C.....CC.CAA...AAAC.....G..........G..C.
Medius B	1	.AT....G....T................-.......T..T.........W.....C............R...C.A...A.AT...................C.
Medius C	2	.AT........GT................-.......T..T...............C................C.A...A.AT...................C.
Medius D	10	.AT..T......T................-.......T..T................................C.G...A.AT........G..C.......C.
Medius E	8	GAT.........T................-.C.....C..T.....G......G...................C.A...A.AT.........C.C.......C.
C. sibreei	76	.AT.C.A..A...TCTA.T.G..C..GCTA.AACC.CC..C....T.T.T.AA...C.....TT....CT...C....CACA.AG..T.AG..C.CA..C...G

Table S15. Continued.

	1111111111111111111111111111111111111111111111111111111111111111111111111111111122222222222222222222222222
	1122222222222233333333333333333334444444445555555566667777777788888888888999999999999990000000000000111111222223 3
	9901223355781112344455555677780455678811356781999001246690234445788011223346699011245677789255688446791 2
	0621098903742385201512569012551647081428538200147052720632691273139119571731417458651723536004913685619 5
Crossleyi A	AATTAAATCATCCCAACAACCCRTAATCACACAAAAACGTTCCACACAATTTAAAACATCTCAACCACCACTTAAACTACTTTATCCTCACAAACCTACGAAA-
Crossleyi B	....G.G...........G..TA..........................A........C.C...T......C....T.T......................C.-
Crossleyi C	T....................TA..........................A.......CC.C....T..........T........AT.....G..........-
Crossleyi D	.....................TA...A........G........T....A........C.C..W............T.....................T..TG-
Crossleyi E	.T..........T........TA......................G...A....G...C.C..G.....CT.....T................T.........-
Major A	.......C..C..........TA..RCAT.............A...T..G........C.C...............TC......ATM.........C....T.-
Major B	.....G.CG............TA...CA.....G........AT..T..G........C.C...............T.......CT.............A.T.-
Major C	.......C.............TA...CA....G.........A...T..G........C.C...............T.......CT..........C...GT.-
Medius A	.......C.T.T..G..TC.ATT.GG...A.T....T.A.......TGTAC.TG....C...............T.T......G.T.C.G.G.....G...T.T
Medius B	.......C..C.......Y..TT......T................T..ACA......C.Y.............T.T........T...............T.T
Medius C	.......C..C.......T..TT......T................T..ACA......C.C.............T.T...C....T...............T.T
Medius D	...C...M..A.......C..TT......TR......T........T..ACC......C.C.G...G.......T.T.....C..T...............T.C
Medius E	.......C..........C..TC..GC..T................T..ACC...G..C.C...T.........C.T........T...............T.T
C. sibreei	..C....C.....T.CTGCTTTTCTTCT.TT...G....CCTT...T..G.C....T.CTAT..A..TT...CG.TA..T.C..CT..T.T...ATA....T.-

Table S16. Diagnostic nucleotide sites from the mtDNA D-loop Population Aggregation Analysis (PAA) of *Cheirogaleus*. No.PAA stands f
number of diagnostic nucleotide sites.

	No.PAA	1111111222222222222222233333333333333333333344444444444444444445555555555555555555555555555555555555555555666666666
		1667816889990123444667888899000122233344444555566612233444556678999999000001111222334455566666677778888888899999999990000000111
		4703822656167466067856814790127890783782567824590155340403413190112478901234127905645585790123473489012467890123456789023456013
Crossleyi A	5	A-TGATAARGCGA-TCGAGTTCGCCGTGGTTGGTCGAATATATTTCGA-ACTGAGGTA-A-CGTGTGGTG----GACA-CCTGGTAG-GGGAATAT-AAGGATGATGAGTATATTGGTG-TTTGTGT
Crossleyi B	2	.-......R....-...RK......R......T..............T.Y......R-.-ARC.....----.....-TT.T....-...G..G.-GV..G.AG.ATA.........A-.......
Crossleyi C	12	.-C.T..G.A...-.................T..............A.G...A..G-.-AAC..-.C.----A...AAT...A..-....GC..-G..T..A..AT.........GTG.......
Crossleyi D	2	.-..........-..........R......T...R..........A.Y......G-.-A.....-----.TY.-TT.K...A-...G....-G.....A...T..G.G......T.......
Crossleyi E	15	.-...G.T...A.-..T.............G.T.............TA....G...G-.-ACGA....-----.-..-.T.A.A..-.-----.-..TT...-..AT..G.G.....A-.....A.
Major A	0	.-..........-...GT.....AR......T.T.G...........A........G-.-ACA....GT-----.G..-TT..AG.A-AAAGG...-..TA.G...ATACT.G..A..AG.....-.
Major B	3	.-..........-...GT.....AA...C..TCT.G...........A...A....G-.-ACA....GT-----.G..-TT..AG.A-A..G.-..-..TA.G...ATACT.G..A..AA.....-.
Major C	1	.-........Y..-...GT.....RR......T.T.G...........A.........-.-ACA....GT-----.G..-TT...G.A-AAAG....-..TA.G.R.ATTCT.R..A..AA...R.-.
Medius A	13	.-.C..T.......-A.C.......A-G.....T-YTR....G....ACAT.Y.C...T-.-GCA..C.-------.G..-.TC.AA.A--AT....AA..T.G.TT.ATACT..AG...A-......-A
Medius B	0	.-.S..T.......-Y.C.......A-K..G..A...G..........TAT...C...G-.-ACA.CC.-------.G.G-.T..AG.RGA.A.G..A-.CT.R.TT.ATA.TR..A...A-......-.
Medius C	1	.-.C..T....A.-..C.......A-G..GC.A...G..........TAT...C...G-.-ACA.CC.-------.G.G-.T..AG.AGA.A.G..A-.CT.G.TT.ATACTA..A...A-......-.
Medius D	4	.-.C..T....R.-..C-..CT..A-G..R..T...R..........TAT...C...G-.-GCA.GC.-------.G.G-.T..AG..AAAA....A-.CT.G.TT.ATACTG..G.A.A-......-.
Medius E	7	.-....T.......-..CGA.....A-G..G..T...G..T.......TAC.C.C.A.G-.-GTA.GC.-------.G.G-.T..AG.AGAAA....A-TCT..CTT.ATACTG..G...A-...A--.
C. sibreei	77	GG.T..CGC.YTGG.T..TA.ATGTTACT..AMAA.CTAGC.AACTT.CT.A....AGAGGACA.A.C.ATTAC.GAT-.T.TTCG--A..GG..G-G.CATGA----------------GT.

Table S17. Diagnostic nucleotide sites from the mtDNA COII fragment Population Aggregation Analysis (PAA) of *Cheirogaleus* . No.PAA stands for number of diagnostic nucleotide sites.

	No.PAA	1111222233333333333444445555555666666 1678147934781135668899015690135588900237 6905274787165583489148392465216425584394 00
Crossleyi A	2	ACTCTCAACACCACAATCATCCGTCTACCCACAAACAACAAC
Crossleyi B	2	..................G...A..Y......C....C....
Crossleyi C	1	......T..............A.............C....
Crossleyi D	1	........Y.....G.......A.............T....
Crossleyi E	5	C.......A..T.T..C.....AC...T.........T....
Major A	2	CA......T..........A..A..Y..........T....
Major B	1	C.......T..........C..A............GT....
Major C	0	C.......T..........C..A..............T..W.
Medius A	1	CT...A.....AC........A.A....T.........T....
Medius B	0	CT...A.....A.........A.A..C.T.........C....
Medius C	1	T.A..A.....A.........A.A..C.T.........C....
Medius D	3	CT...G...G.A.........A.A..C.T.........TT.G.
Medius E	1	CT...A.....A...G....A.A..C.T.........T....
Medius F	4	CT.TCA.....AT........A.A...GT.........T....
Medius H	5	CTC..A.....A.......CA.A.TA.T......G..T....
C. sibreei	16	MY.....GT.T......TTCTTA....ATTGA.G.T.C.T.T

Table S18. Variable and diagnostic nucleotide sites (shaded) from the nucDNA CFTR-PairB Population Aggregation Analysis (PAA) of *Cheirogaleus*. No.PAA stands for number of diagnostic nucleotide sites.

	No.PAA	
		1111111111222222333333333333344444444444445555555555556
		34462337899999001289000345557777800012455678890222344567891
		91278241345679251157567051462789046794128424600789418228073
Crossleyi A*	0	CTCGCATAA----AATCAAATTACGATCC----ACGCAGGCATAGGTCGCCACTATCGC
Crossleyi A		.........----W...R.R.....V...----..............Y...........
Crossleyi B	0	.........----T.....RWHD..M..V----.YR....Y.YR...Y..YY...Y...
Crossleyi C	0	.........----T.....G.........----..R...........Y...........
Crossleyi D	0	.........----T.......W.....Y.----..R..........Y............
Crossleyi E	0	...R.....----T...............----..R.......................
Major A	0	..G....R.----TTC.......T.....----........T..R...AAT......AY
Major B	0	..G.S....----TTC.......T.....----........K..R...AAT.Y....A.
Major C	0	..S..R...----TTY.......Y.....----..R.....T.....YRMT......A.
Medius A	0	TYG...D.CTTTTTTC.......TR....----R.R.W...T......A.T........
Medius B	0	T.G.....CTTTTTTC.......T.....----..RY...YT......A.T..YY....
Medius C	0	T.G.....CTTTTTTC.......T.....----.Y.....YT...R..A.T........
Medius D	1	T.G.....CTTTTTTC.......T.....----.T...**C**..T...A..A.T........
Medius E	0	T.G.....CTTTTTTC.......T.....----........T......A.T........
C. sibreei	7	..G......----TTC**T**.-....T..**G**..**TGAT**......K.T........T.....**T**..

Table S19. Variable and diagnostic nucleotide sites (shaded) from the nucDNA FIBA Population Aggregation Analysis (PAA) of *Cheirogaleus.* No.PAA stands for number of diagnostic nucleotide sites.

	No.PAA	1111111112222222222222333333333333333333344444444445555555556666 1245580111455660011133444557800012233444666889902333456779023334456600000 5361941156917573937802389678927944936467167454508126385790693890394901 23
CrossleyiA*	0	CTTCATTTGTATCTGGAGA-AGTCGAATGCGCGTGTCCTTGGATCTTATTTCGACTGAGATCCGTATGCGAC
CrossleyiAa		C..S.W.....Y.......-.R....R...S.R.............R.......Y.R.............
CrossleyiAb		.....A.............A..........S.R.............G.........R.............
CrossleyiBa	0	Y.WS.W.YR..K.......-RR........BYR..Y.........Y.RY...S...SR.R..Y...Y.YRR.
CrossleyiBb		.....W..R..........A..........C.R.............GY.........R...........R.
CrossleyiCa	0	Y.WSRW.............-.R.......YB.R.............RY.........R....Y.......R.
CrossleyiCb		Y.W..W.....K.......A.R.......YS.R...Y..........RY.........R....Y.......R.
CrossleyiD	0	T.A..A..R..........-R...R...S.C.A.............G.........GK.......YR....
CrossleyiE	0	Y.W..A..R....Y.....-..........C.A....Y.........G.........SG...........R.
MajorA	0	.....A.............-...T......T...........C...G.........CG..W.....C.....
MajorB	0	....RAY...R.........-...Y......T.........R..Y...G..Y.....CG..W.....C.M...
MajorC	0	.....AY........R...-...Y......T.........R..C...G........CG........C.V..Y
MediusA	0	TA...A...........R-..........T.......K........G.K...G..CG......C.C..A..
MediusB	0	T..M.A........K....-..........T..........R.....G........CG...Y..YWC..R..
MediusC	1	T....A.............-..........T..............G......T.CG......Y.C..R..
MediusD	0	Y....AK.........W..-.....W.Y..T...R...........G.....R..CG....Y.Y.C..R..
MediusE	0	TW...A...W.........-..........T.R.............G.....G..CG......C.C..A..
MediusF	0	TA...A.............-..........T..............G.....G..CG......C.C..A..
MediusG	0	T....A.............-..........T..............G.........CG........C.....
MeidusH	2	TA...A....G.G......-..........T..............G...G.G..CG.....RC.C..A..
C. sibreei	2	.....A.C...........-..C.......C..C............YG........CG........C.....

Table S20. Variable and diagnostic nucleotide sites (shaded) from the nucDNA vWF Population Aggregation Analysis (PAA) of *Cheirogaleus*. No.PAA stands for number of diagnostic nucleotide sites.

	No.PAA	11111111111111111111111222222222222222222222222222222222222222222222333333333333333333
		1455677788889990011233444445556667899000001222334444444444555555555566666667890000011122222223333
		4551459139034716778194044578914902578470123761230112345678901234567890123689033025690370245690127
Crossleyi A*	0	CCGACCTCCTGCG-TCGCCCGYGCCGAGGCCCCGTCACGCATCCGCGGGCTGCTGACCGCAGCACTCAGGGCGCAGCTGTTGCGGCTGCAACGTGG
Crossleyi A	0	.Y.........YR-...Y.YRYS...RR..Y.........R........S...
Crossleyi Ba	0	..R..Y..SY.YR-.....T.CS....RS.M.Y.......................Y.............VY.R.......R......R.S..S
Crossleyi Bb	0	...........YA-.....T.CS....R....Y...R.S...
Crossleyi Ca	1	.Y.........YRT.....Y.CS...RRS...........................YR.............Y.........R........S...
Crossleyi Cb	0	...........YAT.....T.CS....R..Y.....................
Crossleyi D	0	.....T..S..TA-.....T.CC......Y..............Y..........T............T..........Y........C...
Crossleyi E	0	.....T..G..TA-.....T.CC..........RY.............S.......T.Y...........T............K.......C...
Major A	0	.....Y..G..TA-.....T.CC.YR.........-..R...............................A.....RWYK.R.S..YG..CCR.
Major B	0	........G..TA-K....T.CC.Y..........-.........Y.R......................A.......YK.R.....R..CCR.
Major C	1	.Y......G..TA-.Y...T.CC............-.Y................................A........K.......R..CCR.
Medius A	0	Y.......G..TA-G...YT.CC.Y....................A.R.-----------------W.A--..........Y....A.G.TC...
Medius Ba	0	........G..TA-G....T.CC...........................-----------------...--.....C...........G..CC..
Medius Bb	0	....SY..G..TA-G....T.CC................Y..Y..Y.R..W.................S........Y...........G..C..R
Medius C		.....Y..G..TA-G....T.CC......................Y....W.....M...........CA.......Y..........YG..CY.R
Medius D	1	........G.KTA-G....T.CC........Y...........T................................YC...........G..CY..
Medius E	0	........G..TA-G....T.CC...Y...........G..CC..
Medius F	0	........G..TA-G....T.CC.......................A...-----------------..A--...............A.G.TC...
Medius G	0	...RS...G..TA-G....T.CC...................Y.................................C...........G..CC..
Medius Ha	1	......ATG..TA-G....T.CC...T.....C...........G..CC..
Medius Hb		.......TG..TA-G....T.CC...T....T............G..C...
C. sibreei	14	........G..GA-..C..T.CCS.R..........R..---..CY............R............Y..G.......Y...-.....C...

Table S20 Continued.

	33333333333333333334444444444444444455555555555555555555555556666666666666666666677777777777777777
	3344555566777799990001133466678999000111222223344557778899990111222244455567778900111122222345778899
	8923347901123904795680934313424467069567123462939562374712896016245658904581788712235801567540 90102
Crossleyi A*	CGGCCGT---GAGGTCCACGGGTGGCCGGGACCAACGG--CGCGTACGAGCCGCCACGCCA--CGATGGCTGTCAGTGGGGGGGTCCA--CCCCACCGC
Crossleyi A	......K---..S.Y.............R........--.................M.....--..M..................S..--.........
Crossleyi Ba	.RRY.RG---.MS.Y....R.R.R.Y..RKW.....RR--.R...........Y.C.K.YM--...Y............K........--.....RYR..
Crossleyi Bb	......G---..S...............R........ATR..............C.K...--.........................--..........
Crossleyi Ca	.....RG---..S.Y.............R.........--.................M.K...--..M..........K...........CCY........
Crossleyi Cb	......G---..S...............R.........--..................C.K...--..........................--..........
Crossleyi D	......G---.................RA..........--..Y............C.....--...YR...R................--..........
Crossleyi E	YR....G---R.......YR........A..........--..T............C.....--...C...............R.....--..........
Major A	...Y.RG---..................A.........--......RY.G.A.R..CY.Y..--...C.....................--....Y.....
Major B	...Y.RG---..................A..Y...Y..--...R.RY.R.A....CY..Y.--...C....................R--..Y..Y.R.
Major C	..RY.RG---......Y...........A..........--Y....RY.GVA.A..CY..Y.--...CR...................--.........Y
Medius A	.A....G---............C.....A.....T...---.R..C..A.......C.....--Y..C.RM..---.K..S..D....YG--......T...
Medius Ba	......G---............C.....A.....T...---....C....A.....C.-...--...C...C.--.............G--......TT..
Medius Bb	....Y.G---...R........Y....RA.....WY..---...RY....R.Y...CYR...--...Y...Y.--R......K.....G--......T...
Medius C	....Y.G---.........R..Y....AA...YWT...---....C..........C.....--...C...Y.--.............G--.Y...T...
Medius D	.R.Y..G---........Y...C.....A.....W...---....C....A.....C.....--...Y...Y.--........K..Y..G--.Y...T...
Medius E	.R.T..G---.....M......C.....A.....T...---....C....A...Y.C.....--...C...C.--.............G--......T...
Medius F	.A....G---............C.K...A.....T...---....C..A.......CY....--...C.....--.............R--......T...
Medius G	......G---............C.....A.....WY..---...RY....A.Y...C.-...--.R.Y...C.--.............G--......T...
Medius Ha	......G---............C.....A.....T...--T...C...G......C.A.T.--....CA..C.--.............G--......T...
Medius Hb	T.....GGGG............C.....A......T..---...AC..........C...T.--....C...C.--..........T...G--......T...
C. sibreei	H.....G---.......G..R.....T.A.........--..........AG...YC.....AG...C......T...R..R......G--.T....T..

Table S21. Morphometric data (mm) collected from sedated *cheirogaleus* individuals. Clade was designated based on mtDNA sequence data (Figure 2). Morphological data is missing due to language loss from airline, HC: head crown, BL: Body Length, TL: Tail Length, F-Tb: Front Thumb (forelimb), F-UR: Front Ulna/radius, F-Hd: Front Hand, F-LD: front longest digit (Forelimb), F-H: Front Humerus. : H-T: Hind Tibia, H-LD: hind longest digit (Hindlimb), H-Ft: Hind foot, H-Tb: Hind Thumb (Hindlimb). H-F: Hind Femur, UC: Upper Canine, LC: Lower Canine, RTL: Right Testes Length, RTW: Right Testes Width, LTL: Left Testes Length, LTW: Left Testes Width.

Clade	Species Name	N	Weight (Kg)	HC (cm)	BL (cm)	TL (cm)	F-Tb (cm)	F-LD (cm)	F-Hd(cm)	F-UR (cm)	F-H (cm)	H-T (cm)	I-LD (cm)	H-Ft (cm)	H-Tb (cm)	H-F (cm)	UC (mm)	LC (mm)	RTL (mm)	RTW (mm)	LTL(mm)	LTW (mm)
Crossleyi A	*C. crossleyi*	9	0.31±0.04	5.9±0.3	17.6±0.8	26.3±2.1	1.1±0.1	1.3±0.1	3.3±0.2	4.3±0.2	3.1±0.1	1.6±0.2	1.4±0.2	5.0±0.2	5.0±0.2	5.5±0.3	2.9±0.4	3.1±0.2	14.6±2.7	8.7±0.6	15.1±3.1	8.6±0.9
Crossleyi B	*C.crossleyi*	26	0.33±0.07	6.0±0.7	18.6±1.4	26.5±2.2	1.4±0.4	1.6±0.3	3.5±0.3	4.4±0.4	4.0±0.6	2.0±0.5	1.8±0.3	5.2±0.5	5.5±0.6	5.5±0.6	2.8±0.5	2.7±0.4	13.6±6.3	8.2±4.0	13.2±4.8	9.1±4.6
Crossleyi C	*C. crossleyi*	8	0.32±0.10	5.7±0.2	16.8±2.0	26.6±1.5	1.1±0.3	1.6±0.2	3.7±0.2	4.3±0.7	3.2±0.6	1.9±0.2	2.0±0.8	5.3±0.2	4.7±0.6	5.2±0.6	2.6±1.2	3.0±0.8	11.8±11.	6.8±4.1	10.4±8.2	7.0±4.3
Crossleyi D	*C. crossleyi*	4	0.41±0.12	6.3±0.6	20.1±3.8	27.7±2.8	1.1±0.1	1.5±0.1	3.6±0.4	4.9±0.3	3.9±0.7	1.9±0.3	1.7±0.2	5.8±0.2	5.6±0.5	5.4±0.8	4.1±0.9	3.2±0.5	14.5±0.0	8.6±0.0	14.0±0.0	8.2±0.0
Crossleyi E[a]	*C. lavasoensis*	1	0.27+0.00	6.9±0.0	16.0±0.0	24.9±0.0	1.5±0.0	1.6±0.0	3.5±0.0	4.5±0.0	4.9±0.0	2.7±0.0	1.7±0.0	5.6±0.0	6.3±0.0	6.8±0.0	3.4±0.0	3.0±0.0	n/a	n/a	n/a	n/a
Major A	*C. major*	8	0.46±0.13	6.4±0.5	19.3±2.0	28.4±1.2	1.2±0.3	1.7±0.1	3.9±0.2	4.6±0.3	3.4±0.3	2.1±0.1	1.8±0.1	5.8±0.2	5.2±0.3	6.3±0.8	4.3±1.0	3.7±0.4	9.85	16.9±0.0	10.0±0.0	17.3±0.0
Major B[b]	*C. major*	3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Major C	*C. major*	5	0.34±0.13	6.0±0.9	19.7±2.8	28.1±2.7	1.5±0.3	1.7±0.4	3.4±0.5	5.0±0.5	4.4±0.8	1.9±0.3	1.7±0.2	5.6±0.3	5.6±0.4	5.1±0.7	4.3±1.3	3.1±0.7	7.9±0.0	5.2±0.0	8.0±0.0	5.0±0.0
Medius A	*C. medius*	4	0.09±0.03	3.9±0.5	11.6±2.0	14.4±2.1	0.9±0.0	1.2±0.0	2.4±0.0	2.8±0.0	2.5±0.0	1.4±0.0	1.2±0.0	3.5±0.0	3.4±0.0	2.9±0.0	2.9±0.4	2.4±0.8	7.6±0.0	6.7±0.0	8.2±0.0	4.1±0.0
Medius B	*C. medius*	6	0.23±0.06	4.9±0.3	13.8±0.6	20.2±2.4	1.0±0.3	1.2±0.1	2.6±0.2	3.2±0.2	2.7±0.3	1.3±0.4	1.2±0.1	4.0±0.4	4.0±0.2	4.3±0.3	3.4±1.1	3.0±0.6	7.1±0.0	3.5±0.0	7.9±0.0	3.6±0.0
Medius C	*C. medius*	1	0.15±0.00	4.5±0.0	12.0±0.0	12.2±0.0	0.9±0.0	1.0±0.0	2.5±0.0	2.1±0.0	2.4±0.0	1.0±0.0	1.0±0.0	3.5±0.0	3.3±0.0	4.0±0.0	3.9±0.0	2.5±0.0	8.0±0.0	5.2±0.0	8.0±0.0	4.9±0.0
Medius D	*C. medius*	2	0.23±0.03	5.1±0.5	15.8±0.6	23.5±2.5	1.1±0.2	1.2±0.1	3.1±0.1	3.8±0.2	3.0±0.1	1.3±0.1	1.3±0.1	4.5±0.1	3.9±0.0	4.9±0.3	4.6±0.6	2.4±1.6	n/a	n/a	n/a	n/a
Medius E	*C. medius*	1	0.17±0.00	4.4±0.0	15.9±0.0	21.5±0.0	0.9±0.0	0.9±0.0	2.4±0.0	3.2±0.0	2.7±0.0	1.3±0.0	1.0±0.0	3.7±0.0	3.8±0.0	4.6±0.0	4.6±0.0	2.2±0.0	n/a	n/a	n/a	n/a
C. sibreei	*C. sibreei*	2	0.23±0.00	7.0±1.4	15.4±1.2	23.1±0.6	1.6±0.1	1.6±0.5	3.4±0.0	4.1±0.5	4.5±0.7	1.8±0.3	1.5±0.6	4.8±0.4	5.7±1.2	5.5±2.3	3.9±0.2	3.3±0.0	5.8±0.0	9.0±0.0	5.0±0.0	6.5±0.0

[a]This clade was designated as *C. lavasoensis* (Thiele *et al.* 2013).

[b]Field data book lost in transcontinental travel.