

Table S1. Specimen information used in the morphological PCA. Character number and states are given in Table 2.

Specimen	Species	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Phillipson 3611	<i>C. androyense</i>	1.5	1	1	2	2	0	1	11	6	2	2	0	0	0	0	1	1	4	4	0	3	3
SF 11856	<i>C. androyense</i>	NA ¹	1	1	2	1	0	1	9	6	2	2	0	1	0	0	1	1	4	5	0	3	3
SF 20438	<i>C. androyense</i>	4.5	1	1	2	2	0	1	10	5	2	2	0	1	0	0	1	1	4	NA	NA	NA	NA
SF11867	<i>C. androyense</i>	NA	1	1	2	1	0	1	10	6	2	2	0	0	0	0	0	1	4	4	0	3	2
Decary 9587	<i>C. androyense</i>	NA	1	1	2	1	0	0	11	6	2	2	0	0	0	0	0	0	3	3	0	3	2
SF 11705	<i>C. androyense</i>	NA	1	1	1	2	0	1	6	4	2	2	0	1	0	0	0	1	2	2	0	2	2
Miller 3781	<i>C. androyense</i>	1.5	1	1	2	2	0	1	10	5	2	2	1	1	0	0	1	1	4	NA	NA	NA	NA
Ratovoson 1451	<i>C. androyense</i>	5	1	1	2	2	0	1	8	5	2	2	1	1	0	0	1	1	3	2	0	2	2
Rakotomalaza 1718	<i>C. androyense</i>	3.5	1	1	3	1	0	1	13	6	2	2	0	1	0	0	0	1	4	NA	NA	NA	NA
SF 22258	<i>C. androyense</i>	4.5	1	1	2	2	0	1	13	4	1	0	1	1	0	0	1	1	4	3	0	3	2
Gautier 6355	<i>C. androyense</i>	3.5	1	1	1	2	0	1	7	3	2	2	1	1	0	0	1	1	2	1	0	2	2
Gautier 6353	<i>C. androyense</i>	4.5	1	1	1	2	0	1	8	4	2	2	1	1	0	0	1	1	3	NA	NA	NA	NA
Gautier 6352	<i>C. androyense</i>	4	1	1	1	2	0	1	6	3	2	2	1	1	0	0	1	1	3	NA	NA	NA	NA
Randrianaivo 213	<i>C. androyense</i>	2.5	1	1	2	2	0	1	10	5	2	2	1	1	0	0	1	1	6	NA	NA	NA	NA
Gautier 6343	<i>C. androyense</i>	NA	1	1	2	2	0	1	10	4	2	2	1	1	0	0	1	1	4	NA	NA	NA	NA
Gautier 6346	<i>C. androyense</i>	NA	1	1	1	2	0	1	4	2	1	2	1	1	0	0	1	1	0	NA	NA	NA	NA
Gautier 6328	<i>C. androyense</i>	1.5	1	1	3	2	0	1	12	5	2	2	1	1	0	0	1	1	3	6	0	3	2
Rogers 474	<i>C. androyense</i>	1.5	1	1	2	2	0	1	12	4	2	2	1	1	0	0	1	1	4	2	0	2	2
Rakotomalaza 1719	<i>C. androyense</i>	2	1	1	3	2	0	1	15	4	2	1	1	1	0	0	1	1	3	NA	NA	NA	NA
Gautier 6374	<i>C. androyense</i>	2.2	1	1	2	2	0	1	15	6	2	2	0	1	0	0	0	1	4	2	0	2	2
Gautier 6371	<i>C. androyense</i>	0.1	1	1	1	2	0	1	8	6	2	2	0	1	0	0	0	1	3	3	0	2	2
Randrianaivo 2954	<i>C. androyense</i>	5	1	1	2	2	0	1	9	5	2	2	1	1	0	0	1	1	3	2	0	2	3
Gautier 6372	<i>C. androyense</i>	1.7	1	1	4	2	0	1	20	13	1	1	0	0	0	0	0	1	5	5	0	3	3
Gautier 6370	<i>C. androyense</i>	1.5	1	1	1	2	0	1	13	5	2	2	0	0	0	0	0	1	5	2	0	2	2
Gautier 6376	<i>C. androyense</i>	3.5	1	1	1	2	0	1	7	4	2	2	1	1	0	0	1	1	3	3	0	3	2
Gautier 6358	<i>C. androyense</i>	1.7	1	1	1	2	0	1	6	3	2	2	0	1	0	0	0	1	2	3	0	2	2
Gautier 6361	<i>C. androyense</i>	3	1	1	1	2	0	1	10	5	2	2	0	1	0	0	1	1	3	3	0	2	3

Gautier 6387	<i>C. androyense</i>	2	1	1	3	2	0	0	19	8	2	2	1	1	0	0	1	1	4	4	0	3	3
Randrianaivo 2959	<i>C. androyense</i>	6	1	1	2	2	0	1	10	5	2	2	0	1	0	0	0	1	5	1	0	2	2
SF 22230	<i>C. androyense-mandrarens</i>	1	1	4	2	0	1	20	8	NA	2	2	1	1	0	0	1	1	5	5	0	3	2
SF 22286	<i>C. androyense-mandrarens</i>	7.5	1	1	6	2	0	1	32	14	2	2	1	1	0	0	1	1	6	6	0	3	3
Phillipson 5603	<i>C. greveanum-mandrarens</i>	4	1	1	25	2	1	2	35	25	1	2	0	0	1	0	1	1	13	6	0	4	3
Gautier 6339	<i>C. greveanum-mandrarens</i>	15	1	1	18	2	1	1	45	35	1	2	0	0	1	0	1	1	8	4	0	3	3
Gautier 6336	<i>C. greveanum-mandrarens</i>	3	1	1	18	1	1	1	45	22	1	2	0	0	1	0	1	1	8	6	0	3	3
Gautier 6341	<i>C. greveanum-mandrarens</i>	7	1	1	18	1	1	1	40	19	1	1	0	0	1	0	0	0	10	4	0	3	3
Gautier 6333	<i>C. greveanum-mandrarens</i>	14	1	1	20	1	0	1	50	23	1	2	0	0	1	0	1	1	9	5	0	3	3
Gautier 6331	<i>C. greveanum-mandrarens</i>	18	1	1	11	1	0	0	45	18	2	2	0	0	1	0	1	1	8	3	0	3	3
Randrianaivo 1187	<i>C. greveanum-mandrarens</i>	2.5	1	1	25	1	1	1	42	28	1	2	0	0	1	0	1	1	11	NA	NA	NA	NA
Andrianjafy 1679	<i>C. greveanum-mandrarens</i>	10	1	1	21	2	1	1	40	25	1	1	0	0	1	0	0	1	11	6	0	3	3
Andrianjafy 1669	<i>C. greveanum-mandrarens</i>	7	1	1	16	2	1	1	40	20	1	1	0	0	1	0	0	1	9	6	0	4	3
McPherson 17358	<i>C. greveanum-mandrarens</i>	4	1	1	10	2	1	1	22	14	1	2	0	0	1	0	0	1	7	5	0	4	3
Gautier 6337	<i>C. greveanum-mandrarens</i>	12	1	1	20	1	1	0	45	20	1	1	0	0	1	0	0	1	9	NA	NA	NA	NA
Razafindraibe 165	<i>C. greveanum-mandrarens</i>	8	1	1	20	1	1	1	45	23	1	1	0	0	1	0	1	1	10	6	1	5	4
Gautier 6332	<i>C. greveanum-mandrarens</i>	9	1	1	15	1	0	1	35	20	1	2	0	0	1	0	1	1	11	3	0	3	3
Gautier 6329	<i>C. greveanum-mandrarens</i>	12	1	1	20	1	0	1	43	19	1	1	0	0	1	0	0	0	11	3	0	3	3
SF 28965	<i>C. greveanum-mandrarens</i>	NA	1	1	14	2	1	0	22	20	1	2	0	0	1	0	1	1	9	3	1	3	3
Thomas 30885	<i>C. greveanum-mandrarens</i>	2	1	1	18	1	0	1	39	19	1	1	0	0	1	0	1	1	10	6	1	3	2
Thomas 30799	<i>C. greveanum-mandrarens</i>	2	1	1	18	1	0	0	46	22	1	2	0	0	1	0	1	1	10	4	1	3	2
SF20831	<i>C. greveanum-mandrarens</i>	9	1	1	28	1	1	1	55	32	1	2	0	0	1	0	1	1	11	6	1	3	3
Schatz 2477	<i>C. greveanum-mandrarens</i>	5	1	1	22	2	0	1	41	21	1	2	0	0	1	0	1	1	9	6	1	3	3
42R224	<i>C. mandrarens</i>	NA	1	1	13	2	0	1	45	20	2	1	0	1	1	1	1	1	9	NA	NA	NA	NA
SF 28954	<i>C. mandrarens</i>	7.5	1	1	16	2	0	1	55	30	1	1	1	1	1	1	1	1	9	NA	NA	NA	NA
Randrianasolo 204	<i>C. mandrarens</i>	2.5	1	1	11	2	1	1	36	19	1	1	1	1	1	1	1	1	7	3	1	2	2
Ratovoson 1473	<i>C. mandrarens</i>	4	1	1	10	2	0	1	30	10	1	1	1	1	1	1	1	1	8	3	1	3	3
Andriamahajarivo 1532	<i>C. mandrarens</i>	7	1	1	7	2	1	1	42	20	1	1	1	1	1	1	1	1	7	3	1	3	3
Randrianaivo 2956	<i>C. mandrarens</i>	8	1	1	14	1	1	1	50	25	1	1	1	1	1	1	1	1	8	NA	NA	NA	NA
Randrianaivo 1764	<i>C. mandrarens</i>	4	1	1	16	1	1	1	36	15	1	1	1	1	1	1	1	1	10	NA	NA	NA	NA

Randrianaivo 1785	<i>C. mandrarenses</i>	4.5	1	1	14	1	0	1	29	17	1	1	1	1	1	1	1	1	8	7	1	3	3
Randrianaivo 2966	<i>C. mandrarenses</i>	3	1	1	10	2	0	1	59	30	1	1	0	1	1	1	1	1	7	NA	NA	NA	NA
Randrianaivo 2964	<i>C. mandrarenses</i>	3	1	1	13	2	0	1	30	24	1	1	0	1	1	1	1	1	7	4	1	3	3
Randrianaivo 2962	<i>C. mandrarenses</i>	3.5	1	1	6	2	0	2	25	18	1	2	0	1	1	1	1	1	7	3	1	3	3
Randrianaivo 2967	<i>C. mandrarenses</i>	3	1	1	10	2	0	1	42	19	1	1	0	1	1	1	1	1	9	NA	NA	NA	NA
Randrianaivo 2958	<i>C. mandrarenses</i>	8	1	1	9	1	0	0	43	20	1	1	0	1	1	1	1	1	8	NA	NA	NA	NA
Randrianaivo 2963	<i>C. mandrarenses</i>	2.5	1	1	11	1	0	1	54	29	1	2	0	1	1	1	1	1	9	NA	NA	NA	NA
Randrianaivo 2965	<i>C. mandrarenses</i>	2.5	1	1	6	1	0	1	32	14	1	1	0	1	1	1	1	1	7	NA	NA	NA	NA
Randrianaivo 2961	<i>C. mandrarenses</i>	3.5	1	1	13	1	1	1	45	27	1	1	0	1	1	1	1	1	5	NA	NA	NA	NA
Randrianaivo 2957	<i>C. mandrarenses</i>	9	1	1	13	1	0	1	53	39	1	1	0	1	1	1	1	1	7	NA	NA	NA	NA
RN5035	<i>C. mandrarenses</i>	NA	1	1	12	2	0	1	40	19	1	1	0	1	1	1	1	1	7	5	1	3	3
Gautier 5793	<i>C. mandrarenses</i>	4	0	1	10	2	0	1	44	24	1	1	1	1	1	1	1	1	8	NA	NA	NA	NA
Rakotomalaza 603	<i>C. mandrarenses</i>	4	1	1	11	2	0	1	54	26	1	1	0	1	1	1	1	1	8	2	1	3	3
Gautier 6356	<i>C. mandrarenses</i>	4	1	1	6	2	0	1	25	18	1	1	1	1	1	1	1	1	6	NA	NA	NA	NA
Randrianaivo 2965	<i>C. mandrarenses</i>	2.5	1	1	11	2	0	1	45	27	1	1	0	1	1	1	1	1	8	NA	NA	NA	NA
Gautier 6378	<i>C. mandrarenses</i>	3	0	1	3	2	0	1	25	15	1	1	0	1	1	1	1	1	6	NA	NA	NA	NA
Andriamihajarivo 498	<i>C. mandrarenses</i>	NA	1	1	14	2	0	1	35	18	1	1	1	1	1	1	1	1	6	3	1	3	3
Rolland 249	<i>C. mandrarenses</i>	NA	0	1	9	2	0	1	24	16	1	1	1	1	1	1	1	1	7	NA	NA	NA	NA
Randrianaivo 899	<i>C. mandrarenses</i>	3	1	1	10	2	0	1	27	10	1	1	1	1	1	1	1	1	7	NA	NA	NA	NA
Dumetz 1414	<i>C. mandrarenses</i>	3	1	1	14	2	0	1	39	21	1	1	1	1	1	1	1	1	9	NA	NA	NA	NA
Rabevohitra 2392	<i>C. mandrarenses</i>	5	1	1	14	2	0	1	30	20	1	1	1	1	1	1	1	1	7	2	1	2	2
Phillipson 2843	<i>C. mandrarenses</i>	10	1	1	142	2	0	1	36	16	1	1	1	1	1	1	1	1	7	10	1	3	3
Gautier 6351	<i>C. mandrarenses</i>	6	1	1	10	2	0	1	39	19	1	1	0	1	1	1	1	1	6	NA	NA	NA	NA
Gautier 6350	<i>C. mandrarenses</i>	1	1	1	6	2	0	1	21	11	1	1	1	1	1	1	1	1	5	NA	NA	NA	NA
Gautier 6349	<i>C. mandrarenses</i>	8	1	1	13	2	0	1	42	29	1	1	1	1	1	1	1	1	8	NA	NA	NA	NA
Randrianaivo 2978	<i>C. mandrarenses</i>	10	1	1	12	2	0	1	46	21	1	1	0	1	1	1	1	1	7	NA	NA	NA	NA
Randrianaivo 2971	<i>C. mandrarenses</i>	12	1	1	12	2	0	1	25	20	1	2	1	1	1	1	1	1	7	NA	NA	NA	NA
Randrianaivo 2980	<i>C. mandrarenses</i>	5	1	1	8	2	0	1	32	15	1	1	1	1	1	1	1	1	8	NA	NA	NA	NA
Randrianaivo 2970	<i>C. mandrarenses</i>	15	1	1	10	2	0	2	37	20	1	2	1	1	1	1	1	1	8	NA	NA	NA	NA
Randrianaivo 2981	<i>C. mandrarenses</i>	15	1	1	12	2	0	2	39	25	1	1	1	1	1	1	1	1	7	4	1	3	3

SF 6692	<i>C. mandrarensse</i>	NA	NA	1	5	2	0	2	35	22	1	1	1	1	1	1	1	1	7	NA	NA	NA	NA
SF 3462	<i>C. greveanum</i>	NA	0	0	32	0	1	2	115	70	1	1	0	0	1	0	0	0	10	NA	NA	NA	NA
Ralimanana 70	<i>C. greveanum</i>	10	0	0	35	0	1	1	59	41	1	1	0	0	1	0	0	0	10	9	0	3	2
Razafimandimbison 2277	<i>C. greveanum</i>	6.5	0	0	34	0	1	1	52	39	1	1	0	0	0	0	0	0	10	5	0	3	3
Ratovoson 2115	<i>C. greveanum</i>	1.5	0	0	41	0	1	1	55	36	1	1	0	0	1	0	0	0	14	NA	NA	NA	NA
Razafitsalama 854	<i>C. greveanum</i>	3	0	0	35	0	0	2	64	40	1	1	0	0	1	0	0	0	14	NA	NA	NA	NA
Callmander 471	<i>C. greveanum</i>	4	0	0	37	0	1	2	67	35	1	1	0	0	1	0	0	0	13	4	0	3	3
Razafitsalama 595	<i>C. greveanum</i>	3	0	0	30	0	1	2	55	38	1	1	0	0	1	0	0	0	15	6	0	3	2
Schatz 4200	<i>C. greveanum</i>	2.5	0	0	38	0	0	2	68	42	1	1	0	0	1	0	0	0	13	9	0	3	2
Rakotonandrasana 1203	<i>C. greveanum</i>	4	0	0	51	0	1	1	54	33	1	1	0	0	1	0	0	0	11	NA	NA	NA	NA
Jullet 255	<i>C. greveanum</i>	4	0	0	23	0	0	2	49	35	1	2	0	0	1	0	0	0	12	NA	NA	NA	NA
Gautier 5485	<i>C. greveanum</i>	3	0	0	30	0	1	2	61	37	1	1	0	0	1	0	0	0	13	NA	NA	NA	NA
SF 13123	<i>C. greveanum</i>	NA	0	0	31	0	1	2	74	44	1	1	0	0	1	0	0	0	13	8	0	3	3
Randrianaivo 2977	<i>C. greveanum</i>	15	0	0	36	0	0	1	77	41	1	1	0	0	1	0	0	0	10	9	0	3	3
Applequist 158	<i>C. greveanum</i>	2	0	0	35	0	0	1	67	30	1	1	0	0	1	0	0	0	17	NA	NA	NA	NA
Ratovoson 832	<i>C. greveanum</i>	2	0	0	22	0	0	1	57	31	1	1	0	0	1	0	0	0	16	NA	NA	NA	NA
SF 5878	<i>C. greveanum</i>	NA	0	0	25	0	1	1	62	29	1	1	0	0	1	0	0	0	14	NA	NA	NA	NA
Randrianaivo 476	<i>C. greveanum</i>	15	0	0	14	0	1	0	46	29	1	2	0	0	1	0	0	0	15	NA	NA	NA	NA
Randrianaivo 2974	<i>C. greveanum</i>	12	0	0	34	0	1	1	76	33	1	1	0	0	1	0	0	0	13	7	0	3	2
Ranaivojaon n?	<i>C. greveanum</i>	7	0	0	27	0	1	2	59	25	1	1	0	0	1	0	0	0	9	8	0	3	2
Randrianaivo 2982	<i>C. greveanum</i>	10	0	0	20	0	0	1	56	31	1	1	0	0	1	0	0	0	12	NA	NA	NA	NA
Jongkind 3623	<i>C. greveanum</i>	4.5	0	0	36	0	1	1	56	33	1	1	0	0	1	0	0	0	14	NA	NA	NA	NA
Randrianaivo 2975	<i>C. greveanum</i>	25	0	0	29	0	1	1	51	36	1	1	0	0	1	0	0	0	11	NA	NA	NA	NA
Rabevohitra 4519	<i>C. greveanum</i>	NA	0	0	36	0	1	2	64	50	1	1	0	0	1	0	0	0	14	7	0	3	2
Randrianaivo 600	<i>C. greveanum</i>	2	0	0	24	0	1	1	70	30	1	2	0	0	1	0	0	0	15	NA	NA	NA	NA
Cheek 1487	<i>C. greveanum</i>	4	0	0	47	0	0	0	70	39	1	2	0	0	1	0	0	0	20	NA	NA	NA	NA
SF 12796	<i>C. greveanum</i>	NA	0	0	34	0	0	1	61	35	1	1	0	0	1	0	0	0	14	6	0	3	2
SF 6900	<i>C. greveanum</i>	NA	0	0	42	0	0	1	76	35	1	1	0	0	1	0	0	0	11	7	0	3	2
Rabenontoandro 610	<i>C. greveanum</i>	0.5	0	0	26	0	1	1	50	20	1	1	0	0	1	0	0	0	12	NA	NA	NA	NA
Gautier 6382	<i>C. microphyllum</i>	3	0	1	3	1	0	1	16	3	1	0	0	0	0	0	0	0	2	4	0	2	2

Randrianaivo 890	<i>C. microphyllum</i>	3	0	1	3	1	0	1	17	5	1	1	0	0	1	0	0	0	3	NA	NA	NA	NA
Gautier 6393	<i>C. microphyllum</i>	1.8	0	1	4	2	0	1	17	6	1	1	0	1	0	0	1	0	3	NA	NA	NA	NA
Gautier 5794	<i>C. microphyllum</i>	1.8	0	1	2	1	0	1	15	7	1	0	0	0	1	0	0	0	4	NA	NA	NA	NA
Gautier 6381	<i>C. microphyllum</i>	2.5	0	1	2	1	0	1	20	5	1	0	0	0	0	0	0	0	3	3	0	2	2
Gautier 6383	<i>C. microphyllum</i>	2.5	0	1	2	1	0	1	20	5	1	0	0	0	1	0	0	0	3	5	0	2	2
Thulin 11814	<i>C. microphyllum</i>	3	0	1	2	2	0	1	14	4	1	0	0	0	0	0	0	0	3	3	0	2	2

¹ Non available data.