

## FORESTS – SUPPLEMENTARY MATERIALS

### Origin, persistence and vulnerability to climate changes of *Podocarpus* populations in Central African mountains

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## TABLE OF CONTENTS

**Figure S1.** Discriminant Analysis of Principal Components (DAPC) drawn across 229 samples of *Podocarpus latifolius* from western Central and East Africa using nine nuclear SSR markers. X and Y axes of the DAPC scatterplots describe the first and second discriminant functions (a), the first and the third functions (b), and the second and the third functions (c). Barplots of Discriminant Analysis eigenvalues (top left in a-c) display the proportion of genetic information comprised in each consecutive discriminant function. Analysis eigenvalues graphs (bottom left) represent cumulated variance explained by the eigenvalues of the PCA. Populations sampled are distinguished by symbols and colours within with 95% inertia ellipses and mapped within the distribution range of *P. latifolius* (d).

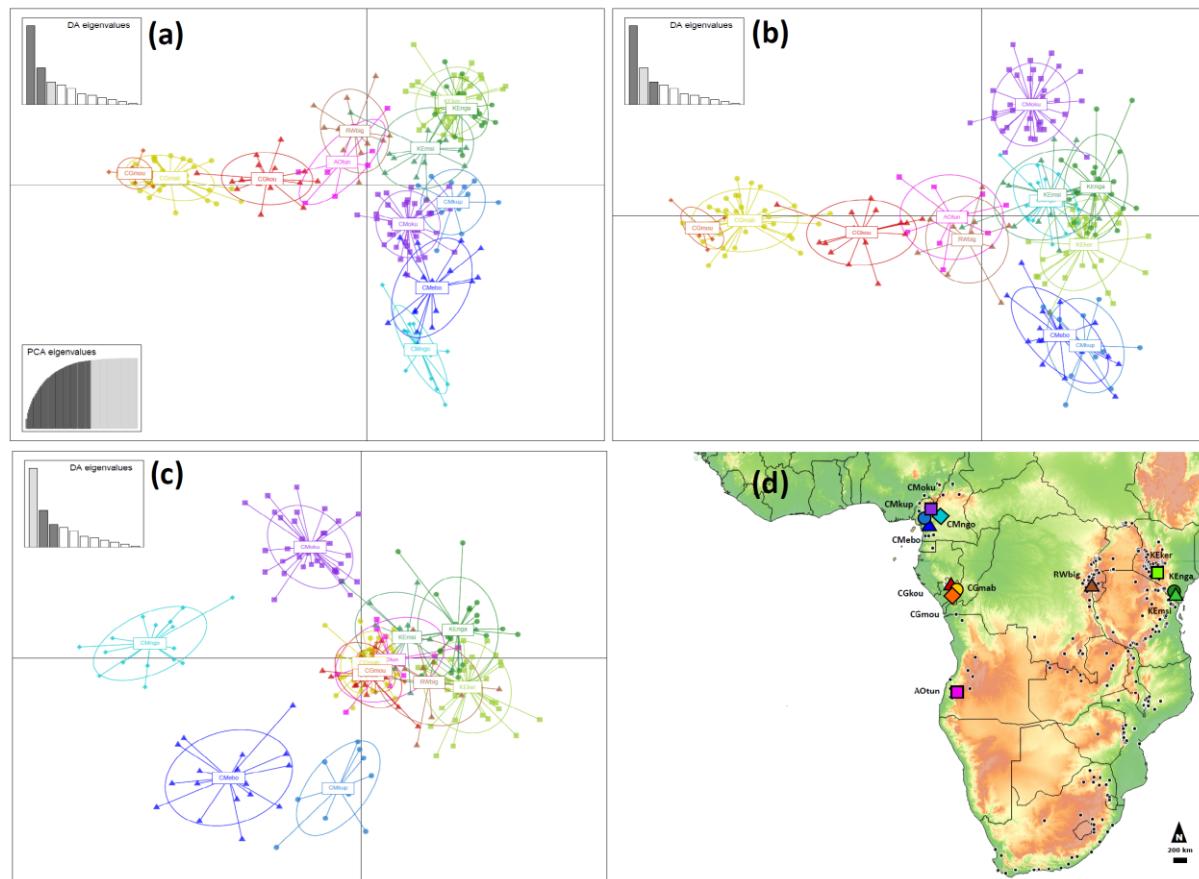
**Figure S2.** Analysis of genetic clustering (STRUCTURE results) of *Podocarpus latifolius* SSR data in western Central Africa. Representation of the log-likelihood of the data  $\ln(P)$ ,  $\Delta K$  [33], measuring the increment in the probability of the data at each  $K$  (a-b). Distribution of the nSSR genetic clusters for  $K = 2, 3, 4, 5$ , and  $6$  (c-g), highlighting admixed samples with triangles when  $0.5 < q < 0.7$ , and asterisks when  $q < 0.5$ ;  $q$  designating the probability of clusters assignment. STRUCTURE graphs represent the membership coefficients ( $q$ ) of each individual using the  $K = 2$  and  $K = 6$  (h-i).

**Table S1.** Characteristics of the nine nuclear microsatellite markers developed and used for *Podocarpus latifolius*. The linkers (Q1, Q2, Q3, Q4) attached to the forward primers are underlined in the forward primer sequences.

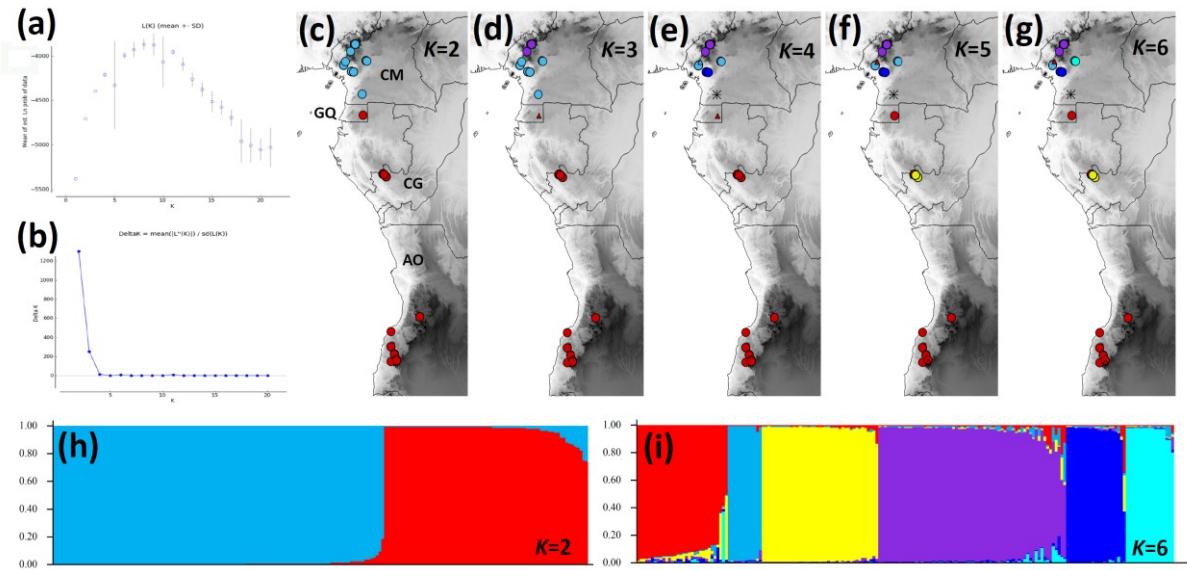
**Table S2.** Characteristics of samples of *Podocarpus latifolius* used for nuclear SSR genotyping. For each sample ( $n = 270$ ), the following elements are provided: the DNA ID, the sampling location, the population ID, the GPS coordinates, the collection details, and their STRUCTURE clustering membership for  $K = 2, 3, 4, 5$ , and  $6$ . Individuals were considered as admixed (symbol 0) when their probability of assignment to a single gene pool was below 0.5 and an interrogation point indicates assignment values between 0.5 and 0.7.

**Table S3.** Results of ABC demographic inference for *P. latifolius* in Cameroon, using the software DIYABC: prior and posterior distributions of the demographical and historical parameters (graphical representation in Figure 5). Times in year BP and effective sizes in number of individuals.

**Figure S1. Discriminant Analysis of Principal Components (DAPC) drawn across 229 samples of *Podocarpus latifolius* from western Central and East Africa using nine nuclear SSR markers.** X and Y axes of the DAPC scatterplots describe the first and second discriminant functions (a), the first and the third functions (b), and the second and the third functions (c). Barplots of Discriminant Analysis eigenvalues (top left in a-c) display the proportion of genetic information comprised in each consecutive discriminant function. Analysis eigenvalues graphs (bottom left) represent cumulated variance explained by the eigenvalues of the PCA. Populations sampled are distinguished by symbols and colours within with 95% inertia ellipses and mapped within the distribution range of *P. latifolius* (d).



**Figure S2. Analysis of genetic clustering (STRUCTURE results) of *Podocarpus latifolius* SSR data in western Central Africa.** Representation of the log-likelihood of the data  $\ln(P)$ ,  $\Delta\ln(P)$  [33], measuring the increment in the probability of the data at each  $K$  (a-b). Distribution of the nSSR genetic clusters for  $K = 2, 3, 4, 5$ , and  $6$  (c-g), highlighting admixed samples with triangles when  $0.5 < q < 0.7$ , and asterisks when  $q < 0.5$ ;  $q$  designating the probability of clusters assignment. STRUCTURE graphs represent the membership coefficients ( $q$ ) of each individual using the  $K = 2$  and  $K = 6$  (h-i).



**Table S1. Characteristics of the nine nuclear microsatellite markers developed and used for *Podocarpus latifolius*.** The linkers (Q1, Q2, Q3, Q4) attached to the forward primers are underlined in the forward primer sequences.

Locus	Primer sequences (5'-3')	Fluorescent label	Repeat motif	Allele size range (bp)	GenBank accession no.
<b>Multiplex 01</b>					
PodL-ssr07	F: <u>TGTAAAACGACGCCAG</u> TTGGGCTATATGTGTTACGTG R: AACAGCATAACAAAGCATTG	Q1-6FAM	(AT) <sub>16</sub>	166-206	OM201662
PodL-ssr12	F: <u>TGTAAAACGACGCCAGT</u> ATTGTATTGTACATCTTAGGCC R: AGTAGTAAGTATGGCAACAAATCCC	Q1-6FAM	(AT) <sub>17</sub>	238-258	OM201663
PodL-ssr15	F: <u>TAGGAGTCAGCAAGCATGTGCATCATGAAACATGAAATT</u> A R: CAAACTATCTCAGTATTCCCTCACCA	Q2-NED	(AT) <sub>10</sub>	155-171	OM201664
PodL-ssr25	F: <u>CACTGCTTAGAGCGATGCT</u> GTCACATGGAGGATACCGT R: GGGATTCGAGGTGTATTGA	Q3-VIC	(AT) <sub>9</sub>	136-158	OM201665
PodL-ssr35	F: <u>CACTGCTTAGAGCGATGCT</u> GAATTATGAATGAAGTGCTAGATG R: CCAATTAAATTACCATTATCGCA	Q3-VIC	(AT) <sub>14</sub>	203-227	OM201666
<b>Multiplex 02</b>					
PodL-ssr01	F: <u>TGTAAAACGACGCCAGTC</u> ACTTCTCCCTGGAAATGTGC R: CTTCATGGATGACACATGA	Q1-6FAM	(AT) <sub>8</sub>	122-154	OM201667
PodL-ssr14	F: <u>TAGGAGTCAGCAAGCAT</u> GAAACCTAACCAACCTATCG R: CATGGGTAGAAATAATTGCGA	Q2-NED	(AG) <sub>13</sub>	140-172	OM201668
PodL-ssr28	F: <u>CACTGCTTAGAGCGATGCT</u> ATGGCGGATGTTGGAAACT R: TCTTGAGTAATACTAGAAAGGAGGGC	Q3-VIC	(AAT) <sub>8</sub>	159-171	OM201669
PodL-ssr42	F: <u>CTAGTTATTGCTCAGCGGTT</u> GAAGTAATGTGAAGGATAACTCAA R: CCACTTCTACCTTACAAGCCC	Q4-PET	(AT) <sub>10</sub>	179-211	OM201670

**Table S2. Characteristics of samples of *Podocarpus latifolius* used for nuclear SSR genotyping.** For each sample ( $n = 270$ ), the following elements are provided: the DNA ID, the sampling location, the population ID, the GPS coordinates, the collection details, and their STRUCTURE clustering membership for  $K = 2, 3, 4, 5$ , and  $6$ . Individuals were considered as admixed (symbol 0) when their probability of assignment to a single gene pool was below 0.5 and an interrogation point indicates assignment values between 0.5 and 0.7.

ID	Country	Population	Locality	Latitude	Longitude	Herbarium information	K2 Clusters	K3 Clusters	K4 Clusters	K5 Clusters	K6 Clusters
ABo0672	Angola	AO	Huila, Sa da Bandeira, Tundavala	-14.842608	13.40668	LISC 9446	2	3	2	3	1
ABo0675	Angola	AO	Tundavala, 6 km to Sa da Bandeira	-14.933333	13.4	LISC 1174	2	3	2	3?	1?
JM0864	Angola	AOtun	Tundavala Gorge	-14.0083333	13.0038333	7975	2	3	2	3	1
JM0865	Angola	AOtun	Gorge E of Leba Pass	-15.006725	13.0023778	7975	2	3	2	3	1
JM0866	Angola	AOtun	Tundavala Gorge	-14.0084389	13.0038139	7975	2	3	2	3	1
JM0867	Angola	AOtun	Tundavala Gorge	-14.0084489	13.0038239	7975	2	3	2	3	1
JM0868	Angola	AO	Serra da Neve	-13.0071889	13.0020556	7975	2	3	2	3	1
JM0869	Angola	AO	Mount Moco	-12.0045072	15.0016028	7975	2	3	2	3	1
JM0870	Angola	AOtun	Tundavala	-14.0084589	13.0038339	7975	2	3	2	3	1
JM0871	Angola	AOtun	Tundavala rockies	-14.49859	13.23408	/	2	3	2	3	1
JM0872	Angola	AOtun	Tundavala rockies	-14.49959	13.23508	/	2	3	2	3	1
JM0873	Angola	AOtun	Tundavala waterfall	-14.50558	13.24396	/	2	3	2	3	1
JM0874	Angola	AOtun	Tundavala waterfall	-14.5059	13.24264	/	2	3	2	3	1
CM0195	Cameroon	CM	Road Ebolowa-Kribi	2.845366667	10.98548333	/	1	1	0	0	0
FM5191	Cameroon	CMngo	Mt Ngoro	5.083689988	11.25483099	/	1	1	3	2	6
FM5192	Cameroon	CMngo	Mt Ngoro	5.083573982	11.25500601	/	1	1	3	2	6
FM5193	Cameroon	CMngo	Mt Ngoro	5.083586974	11.25497499	/	1	1	3	2	6
FM5194	Cameroon	CMngo	Mt Ngoro	5.083584962	11.25495697	/	1	1	3	2	6
FM5195	Cameroon	CMngo	Mt Ngoro	5.083553027	11.25505303	/	1	1	3	2	6
FM5196	Cameroon	CMngo	Mt Ngoro	5.083538024	11.25499402	/	1	1	3	2	6
FM5197	Cameroon	CMngo	Mt Ngoro	5.083495025	11.255047	/	1	1	3	2	6
FM5198	Cameroon	CMngo	Mt Ngoro	5.083524026	11.25505202	/	1	1	3	2	6
FM5199	Cameroon	CMngo	Mt Ngoro	5.083429981	11.25512503	/	1	1	3	2	6
FM5200	Cameroon	CMngo	Mt Ngoro	5.083446996	11.25523802	/	1	1	3	2	6
FM5201	Cameroon	CMngo	Mt Ngoro	5.083709015	11.25609004	/	1	1	3	2	6
FM5202	Cameroon	CMngo	Mt Ngoro	5.083703985	11.255997	/	1	1	3	2	6
FM5203	Cameroon	CMngo	Mt Ngoro	5.083724018	11.25609096	/	1	1	3	2	6
FM5204	Cameroon	CMngo	Mt Ngoro	5.08363802	11.25598501	/	1	1	3	2	6
FM5205	Cameroon	CMngo	Mt Ngoro	5.083646988	11.25651802	/	1	1	3	2	6
FM5206	Cameroon	CMngo	Mt Ngoro	5.083536012	11.25503501	/	1	1	3	2	6
FM5243	Cameroon	CMebo	Ebo	4.36431	10.24509	/	1	1	4	4	5
FM5244	Cameroon	CMebo	Ebo	4.36434	10.24506	/	1	1	4	4	5
FM5245	Cameroon	CMebo	Ebo	4.36433	10.24506	/	1	1	4	4	5
FM5247	Cameroon	CMebo	Ebo	4.36425	10.24509	/	1	1	4	4	5
FM5248	Cameroon	CMebo	Ebo	4.36427	10.24511	/	1	1	4	4	5

FM5250	Cameroon	CMebo	Ebo	4.36426	10.24517	/	1	1	4	4	5
FM5252	Cameroon	CMebo	Ebo	4.36425	10.24522	/	1	1	4	4	5
FM5253	Cameroon	CMebo	Ebo	4.36456	10.24515	/	1	1	4	4	5
FM5254	Cameroon	CMebo	Ebo	4.36446	10.24511	/	1	1	4	4	5
FM5255	Cameroon	CMebo	Ebo	4.36445	10.24514	/	1	1	4	4	5
FM5256	Cameroon	CMebo	Ebo	4.36452	10.24512	/	1	1	4	4	5
FM5258	Cameroon	CMebo	Ebo	4.36456	10.24506	/	1	1	4	4	5
FM5259	Cameroon	CMebo	Ebo	4.36454	10.24504	/	1	1	4	4	5
FM5261	Cameroon	CMebo	Ebo	4.36451	10.24505	/	1	1	4	4	5
FM5262	Cameroon	CMebo	Ebo	4.36454	10.245	/	1	1	4	4	5
FM5264	Cameroon	CMebo	Ebo	4.3644	10.24517	/	1	1	4	4	5
FM5265	Cameroon	CMebo	Ebo	4.3644	10.245	/	1	1	4	4	5
FM5246	Cameroon	CMebo	Ebo	4.36428	10.24501	/	na	na	na	na	na
FM5249	Cameroon	CMebo	Ebo	4.36431	10.2452	/	na	na	na	na	na
FM5251	Cameroon	CMebo	Ebo	4.36424	10.2452	/	na	na	na	na	na
FM5257	Cameroon	CMebo	Ebo	4.36455	10.24508	/	na	na	na	na	na
FM5260	Cameroon	CMebo	Ebo	4.36448	10.24507	/	na	na	na	na	na
FM5263	Cameroon	CMebo	Ebo	4.36441	10.24508	/	na	na	na	na	na
JM0882	Cameroon	CM	Lake Oku, close to the road	6.20386	10.46034	/	1	2	1	5	4
JM0884	Cameroon	CM	Lake Oku, close to the road	6.20406	10.46024	/	1	2	1	5	4
JM0885	Cameroon	CM	Lake Oku, close to the road	6.2039	10.46033	/	1	2	1	5	4
JM0886	Cameroon	CM	Lake Oku, close to the road	6.20396	10.46034	/	1	2	1	5	4
JM0887	Cameroon	CM	Lake Oku, close to the road	6.20395	10.46037	/	1	2	1?	5?	4
JM0888	Cameroon	CM	Lake Oku, close to the road	6.20396	10.46038	/	1	2	1	5	4
JM0890	Cameroon	CM	Lake Oku, close to the road	6.204	10.46038	/	1	2	1	5	4
JM0891	Cameroon	CM	Lake Oku, close to the road	6.20402	10.46033	/	1	2	1	5	4
JM0892	Cameroon	CM	Lake Oku, close to the road	6.2041	10.46033	/	1	2?	1?	5?	4?
JM0894	Cameroon	CM	Lake Oku, close to the road	6.20406	10.46021	/	1	2	1	5	4
JM0896	Cameroon	CM	Lake Oku, close to the road	6.20403	10.46023	/	1	2	1	5	4
JM0897	Cameroon	CM	Lake Oku, close to the road	6.20403	10.46021	/	1	2	1	5	4
JM0898	Cameroon	CM	Lake Oku, close to the road	6.2041	10.46026	/	1	2	1	5	4
JM0899	Cameroon	CM	Lake Oku, close to the road	6.20413	10.46021	/	1	2	1	5	4
JM0900	Cameroon	CM	Lake Oku, close to the road	6.20413	10.4602	/	1	2	1	5	4
JM0901	Cameroon	CM	Lake Oku, close to the road	6.20421	10.46019	/	1	2	1	5	4
JM0902	Cameroon	CM	Lake Oku, close to the road	6.20419	10.46018	/	1	2	1	5	4
JM0903	Cameroon	CMoku	Mt Oku, river banks	6.21446	10.49783	/	1	2	1	5	4
JM0904	Cameroon	CMoku	Mt Oku, river banks	6.21439	10.49775	/	1	2	1	5	4
JM0905	Cameroon	CMoku	Mt Oku, river banks	6.21439	10.4979	/	1	2	1	5	4
JM0907	Cameroon	CMoku	Mt Oku, river banks	6.21438	10.49785	/	1	2	1	5	4
JM0909	Cameroon	CMoku	Mt Oku, river banks	6.21456	10.49806	/	1	2	1	5	4
JM0911	Cameroon	CMoku	Mt Oku, river banks	6.21469	10.49776	/	1	2	1	5	4
JM0913	Cameroon	CMoku	Mt Oku, river banks	6.21458	10.49759	/	1	2	1	5	4
JM0915	Cameroon	CMoku	Mt Oku, river banks	6.21455	10.49757	/	1	2	1	5	4
JM0917	Cameroon	CMoku	Mt Oku, river banks	6.2145	10.49755	/	1	2	1	5	4

JM0919	Cameroon	CMoku	Mt Oku, river banks	6.21445	10.49749	/	1	2	1	5	4
JM0921	Cameroon	CMoku	Mt Oku, river banks	6.21446	10.49787	/	1	2	1	5	4
JM0923	Cameroon	CMoku	Mt Oku, river banks	6.21423	10.49797	/	1	2	1	5	4
JM0925	Cameroon	CMoku	Mt Oku, river banks	6.21411	10.49816	/	1	2	1	5	4
JM0927	Cameroon	CMoku	Mt Oku, river banks	6.21399	10.49814	/	1	2	1	5	4
JM0929	Cameroon	CMoku	Mt Oku, river banks	6.21403	10.49816	/	1	2	1	5	4
JM0931	Cameroon	CMoku	Mt Oku, river banks	6.21394	10.49829	/	1	2	1	5	4
JM0933	Cameroon	CMoku	Mt Oku, river banks	6.21388	10.49826	/	1	2	1	5	4
JM0935	Cameroon	CMoku	Mt Oku, river banks	6.21405	10.49848	/	1	2	1	5	4
JM0937	Cameroon	CMoku	Mt Oku, river banks	6.21411	10.49851	/	1	2	1	5	4
JM0939	Cameroon	CMoku	Mt Oku, river banks	6.21426	10.49881	/	1	2	1	5	4
JM0942	Cameroon	CMoku	Mt Oku, upper level	6.2042	10.50279	/	1	2	1	5	4
JM0944	Cameroon	CMoku	Mt Oku, upper level	6.20405	10.50271	/	1	2	1	5	4
JM0946	Cameroon	CMoku	Mt Oku, upper level	6.204	10.50267	/	1	2	1	5	4
JM0948	Cameroon	CMoku	Mt Oku, upper level	6.20409	10.50279	/	1	2	1	5	4
JM0952	Cameroon	CMoku	Mt Oku, upper level	6.20413	10.50266	/	1	2	1	5	4
JM0956	Cameroon	CMoku	Mt Oku, upper level	6.20389	10.50272	/	1	2	1	5	4
JM0960	Cameroon	CMoku	Mt Oku, upper level	6.20363	10.50283	/	1	2	1	5	4
JM0962	Cameroon	CMoku	Mt Oku, upper level	6.20422	10.50306	/	1	2	1	5	4
JM0964	Cameroon	CMoku	Mt Oku, upper level	6.20437	10.50324	/	1	2	1	5	4
JM0968	Cameroon	CMoku	Mt Oku, upper level	6.20467	10.50307	/	1	2	1	5	4
JM0972	Cameroon	CMoku	Mt Oku, upper level	6.20477	10.50293	/	1	2	1	5	4
JM0976	Cameroon	CMoku	Mt Oku, upper level	6.20476	10.50279	/	1	2	1	5	4
JM0980	Cameroon	CMoku	Mt Oku, upper level	6.20472	10.50252	/	1	2	1	5	4
JM0982	Cameroon	CMoku	Mt Oku, upper level	6.20447	10.50272	/	1	2	1	5	4
JM0984	Cameroon	CMoku	Mt Oku, upper level	6.20444	10.50264	/	1	2	1	5	4
JM0987	Cameroon	CMoku	Mt Oku, upper level	6.2044	10.5028	/	1	2	1	5	4
JM0990	Cameroon	CMoku	Mt Oku, upper level	6.20431	10.50285	/	1	2	1	5	4
JM1182	Cameroon	CM	Babadjou, Mt Santa	5.714179	10.183247	P 01585186	1	2	1	5	4
JM1184	Cameroon	CM	Mt Golep (Mt Ngoro)	5.056925	11.304015	P 01585224	1	1	3	2	6
JM1192	Cameroon	CM	Mt Manengouba, Mueba, 7 km S. Bangem	5.031149	9.829702	P 01585238	1	1	3?	3?	1?
JM1220	Cameroon	CM	Lake Oku	6.196883	10.460767	BRLU 0013110	1	2	1?	5?	4?
JM1221	Cameroon	CM	Mt Oku	6.221833	10.5301	BRLU 0013109	1	2	1	5	4
JM1231	Cameroon	CM	Ebo	4.35129	10.39534	BRLU 0012841	1	1	4	4	5
JM1233	Cameroon	CM	Mt Oku	6.200139	10.501917	/	1	2	1	5	4
MV0001	Cameroon	CMkup	Mt Kupé	4.80905	9.704633333	/	1	1	3	2	2
MV0002	Cameroon	CMkup	Mt Kupé	4.803066667	9.701133333	/	1	1	3	2	2
MV0003	Cameroon	CMkup	Mt Kupé	4.8027	9.702133333	/	1	1	3	2	2
MV0004	Cameroon	CMkup	Mt Kupé	4.80255	9.7014	/	1	1	3	2	2
MV0005	Cameroon	CMkup	Mt Kupé	4.802516667	9.7014	/	1	1	3	2	2

MV0006	Cameroon	CMkup	Mt Kupé	4.8026	9.701433333	/	1	1	3	2	2
MV0007	Cameroon	CMkup	Mt Kupé	4.802683333	9.702683333	/	1	1	3	2	2
MV0008	Cameroon	CMkup	Mt Kupé	4.802733333	9.701366667	/	1	1	3	2	2
MV0009	Cameroon	CMkup	Mt Kupé	4.80295	9.701133333	/	1	1	3	2	2
MV0010	Cameroon	CMkup	Mt Kupé	4.803033333	9.7011	/	1	1	3	2	2
MV0011	Cameroon	CMkup	Mt Kupé	4.803033333	9.7012	/	1	1	3	2	2
MV0012	Cameroon	CMkup	Mt Kupé	4.803033333	9.7013	/	1	1	3	2	2
OH5523	Cameroon	CM	Ebo forest (Locndeng)	4.3508	10.396117	/	1	1	4	4	5
OH5524	Cameroon	CM	Ebo forest (Locndeng)	4.3513	10.395333	/	1	1	4	4	5
SVO0973	Cameroon	CM	Mt Oku	6.218055556	10.516666667	/	1	2	1	5	4
SVO0974	Cameroon	CM	Mt Oku	6.218055556	10.516666667	/	1	2?	1?	5?	4?
SVO0975	Cameroon	CM	Mt Oku	6.218055556	10.516666667	/	1	2	1	5	4
SVO0979	Cameroon	CM	Mt Oku	6.2215	10.52763	/	1	2	1	5	4
SVO0980	Cameroon	CM	Mt Oku	6.2225	10.52715	/	1	2	1	5	4
SVO0986	Cameroon	CM	Lake Oku	6.20425	10.46031	/	1	2	1	5	4
SVO0987	Cameroon	CM	Lake Oku	6.20425	10.46031	/	1	2	1	5	4
SVO0988	Cameroon	CM	Lake Oku	6.20425	10.46031	/	1	2	1	5	4
JM1222	Equatorial Guinea	GN	Inselberg de Piedra Nzas	1.45	11.033333	BRLU 0013113	2	3?	2?	3	1
JM1043	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36982196	38.34150304	/	na	na	na	na	na
JM1051	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36768399	38.34186204	/	na	na	na	na	na
JM1053	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36764803	38.34177696	/	na	na	na	na	na
JM1056	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36757	38.34148502	/	na	na	na	na	na
JM1058	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.367312	38.34156599	/	na	na	na	na	na
JM1061	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36601901	38.34159801	/	na	na	na	na	na
JM1064	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36571198	38.34148401	/	na	na	na	na	na
JM1066	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.364622	38.34093098	/	na	na	na	na	na
JM1068	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36421799	38.34080198	/	na	na	na	na	na
JM1070	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36582698	38.34113197	/	na	na	na	na	na
JM1071	Kenya	KEnga	Taita Hills, Ngangao forest (South)	-3.36648697	38.34072696	/	na	na	na	na	na
JM1072	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35435702	38.33821901	/	na	na	na	na	na
JM1073	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35430899	38.33822999	/	na	na	na	na	na
JM1074	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35440303	38.33822496	/	na	na	na	na	na
JM1075	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35440898	38.33826302	/	na	na	na	na	na
JM1076	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35482397	38.338865	/	na	na	na	na	na
JM1077	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35478399	38.33890004	/	na	na	na	na	na
JM1078	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35504098	38.33889199	/	na	na	na	na	na
JM1079	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35514299	38.33894304	/	na	na	na	na	na
JM1080	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35523804	38.33900096	/	na	na	na	na	na
JM1081	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35537299	38.33901797	/	na	na	na	na	na
JM1082	Kenya	KEnga	Taita Hills, Ngangao forest (North)	-3.35555697	38.33900297	/	na	na	na	na	na
JM1083	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40154998	38.30203601	/	na	na	na	na	na
JM1084	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40223403	38.302048	/	na	na	na	na	na
JM1085	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40282403	38.30115901	/	na	na	na	na	na

JM1087	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40261004	38.30149597	/	na	na	na	na	na
JM1089	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40255598	38.30085601	/	na	na	na	na	na
JM1090	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40233704	38.30073103	/	na	na	na	na	na
JM1091	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40236101	38.30068502	/	na	na	na	na	na
JM1093	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40295998	38.300265	/	na	na	na	na	na
JM1094	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40304498	38.30064001	/	na	na	na	na	na
JM1095	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40378501	38.30029199	/	na	na	na	na	na
JM1096	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40371503	38.30024002	/	na	na	na	na	na
JM1097	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40364303	38.29982403	/	na	na	na	na	na
JM1098	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.403639	38.29975697	/	na	na	na	na	na
JM1099	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40475002	38.29964499	/	na	na	na	na	na
JM1100	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40521304	38.30006501	/	na	na	na	na	na
JM1102	Kenya	KEmsi	Taita Hills, Msidunyi forest	-3.40408701	38.30091502	/	na	na	na	na	na
JM1105	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.97057502	36.69498403	/	na	na	na	na	na
JM1106	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96957397	36.69426503	/	na	na	na	na	na
JM1107	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.969192	36.693211	/	na	na	na	na	na
JM1110	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96851902	36.69308301	/	na	na	na	na	na
JM1112	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96889696	36.69293499	/	na	na	na	na	na
JM1114	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96814603	36.692233	/	na	na	na	na	na
JM1116	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96721597	36.69146698	/	na	na	na	na	na
JM1118	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96730398	36.69154099	/	na	na	na	na	na
JM1122	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96784	36.69145701	/	na	na	na	na	na
JM1124	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96808802	36.69085904	/	na	na	na	na	na
JM1126	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96811401	36.69067204	/	na	na	na	na	na
JM1128	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96835599	36.68998598	/	na	na	na	na	na
JM1130	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96767697	36.68995396	/	na	na	na	na	na
JM1132	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96709996	36.68650196	/	na	na	na	na	na
JM1134	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96711304	36.68635603	/	na	na	na	na	na
JM1136	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96691104	36.68624899	/	na	na	na	na	na
JM1138	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96690802	36.68652501	/	na	na	na	na	na
JM1140	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96698002	36.68651604	/	na	na	na	na	na
JM1142	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96657199	36.686941	/	na	na	na	na	na
JM1144	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96301404	36.68591598	/	na	na	na	na	na
JM1146	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96291798	36.68585001	/	na	na	na	na	na
JM1147B	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96278002	36.68603098	/	na	na	na	na	na
JM1149	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96171401	36.687688	/	na	na	na	na	na
JM1152	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96050701	36.68559998	/	na	na	na	na	na
JM1155	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96007903	36.685028	/	na	na	na	na	na
JM1158	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96201802	36.68870104	/	na	na	na	na	na
JM1161	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96314698	36.68990803	/	na	na	na	na	na
JM1163	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96373304	36.69082099	/	na	na	na	na	na
JM1166	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.965697	36.69190602	/	na	na	na	na	na
JM1169	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96674801	36.69317496	/	na	na	na	na	na
JM1171	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96738604	36.69413703	/	na	na	na	na	na

JM1173	Kenya	KEker	Gatamaiyo forest (Kereita)	-0.96905001	36.694648	/	na	na	na	na	na
OH6036	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.48022401	12.42652902	/	2	3	2	3	1
OH6037	Republic of the Congo	CG	Chaillu Congolais - savannah Kouyi	-2.48022401	12.42652902	/	2	3	2	3	1
OH6039	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.46631198	12.43077102	/	2	3	2	3	1
OH6041	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45855302	12.43352196	/	2	3	2	3	1
OH6042	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45863298	12.43360503	/	2	3	2	3	1
OH6044	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45855897	12.43364702	/	2	3	2	0	1?
OH6046	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45863097	12.43375297	/	2	3	2	3	1
OH6047	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.458824	12.43350696	/	2	3	2	3	1
OH6049	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45897303	12.43350897	/	2	3	2	3	1
OH6051	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45911201	12.43365498	/	2	3	2	3	1
OH6053	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45970402	12.43515098	/	2	3	2	3	1
OH6054	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45993502	12.43537797	/	2	3	2	3	1
OH6055	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.46011004	12.435528	/	2	3?	2?	3	1
OH6057	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45772497	12.43410501	/	2	3	2	3	1
OH6059	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45753202	12.43391298	/	2	3	2	3	1
OH6061	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45897597	12.43248504	/	2	3	2	3	1
OH6063	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.46337404	12.44028004	/	2	3	2	3	1
OH6035	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.48163703	12.427672	/	na	na	na	na	na
OH6038	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.466518	12.430932	/	na	na	na	na	na
OH6040	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.46537798	12.430383	/	na	na	na	na	na
OH6043	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45864103	12.433637	/	na	na	na	na	na
OH6045	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45855201	12.433697	/	na	na	na	na	na

OH6048	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45872401	12.433426	/	na	na	na	na	na
OH6050	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45900203	12.433412	/	na	na	na	na	na
OH6052	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45972204	12.434904	/	na	na	na	na	na
OH6056	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45852804	12.434565	/	na	na	na	na	na
OH6058	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.45753503	12.433993	/	na	na	na	na	na
OH6060	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.457687	12.433953	/	na	na	na	na	na
OH6062	Republic of the Congo	CGkou	Chaillu Congolais - savannah Kouyi	-2.46353597	12.439057	/	na	na	na	na	na
OH6065	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51914596	12.53177698	/	2	3	2	1	3
OH6068	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51901797	12.53171797	/	2	3	2	1	3
OH6071	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51897497	12.53195903	/	2	3	2	1	3
OH6074	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51869602	12.53199499	/	2	3	2	1	3
OH6077	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51852201	12.53213002	/	2	3	2	1	3
OH6080	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51874003	12.53256203	/	2	3	2	1	3
OH6083	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51812697	12.53286403	/	2	3	2	1	3
OH6086	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51765901	12.53297299	/	2	3	2	1	3
OH6089	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.517427	12.53301398	/	2	3	2	1	3
OH6092	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.517312	12.53337901	/	2	3	2	1	3
OH6095	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51677598	12.53415098	/	2	3	2	1	3
OH6098	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51646099	12.53414998	/	2	3	2	1	3
OH6101	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51605103	12.53446698	/	2	3	2	1	3
OH6104	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51566404	12.53449397	/	2	3	2	1	3
OH6107	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51554702	12.53474199	/	2	3	2	1	3

OH6110	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51498904	12.53496696	/	2	3	2	1	3
OH6113	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51466399	12.534931	/	2	3	2	1	3
OH6116	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51455897	12.53486998	/	2	3	2	1	3
OH6118B	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51300203	12.53639096	/	2	3	2	1	3
OH6122	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51293497	12.53633103	/	2	3	2	1	3
OH6126	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51287102	12.53625702	/	2	3	2	1	3
OH6129	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51272098	12.53638401	/	2	3	2	1	3
OH6132	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51251202	12.53632299	/	2	3	2	1	3
OH6135	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51229702	12.53644	/	2	3	2	1	3
OH6138	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51186603	12.53671601	/	2	3	2	1	3
OH6141	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51316397	12.53799702	/	2	3	2	1	3
OH6144	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51310898	12.53776803	/	2	3	2	1	3
OH6147	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51303698	12.53760198	/	2	3	2	1	3
OH6150	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51319003	12.53719697	/	2	3	2	1	3
OH6153	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51775398	12.53411402	/	2	3	2	1	3
OH6156	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51791298	12.53380104	/	2	3	2	1	3
OH6158	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51951703	12.53326401	/	2	3	2	1	3
OH6160	Republic of the Congo	CGmab	Chaillu Congolais - savannah Maba Moubo	-2.51893499	12.53257703	/	2	3	2	1	3
OH6161	Republic of the Congo	CGmou	Chaillu Congolais - Moungoundou-Sud	-2.67075799	12.67339996	/	2	3	2	1	3
OH6162	Republic of the Congo	CGmou	Chaillu Congolais - Moungoundou-Sud	-2.67075799	12.67339996	/	2	3	2	1	3
OH6163	Republic of the Congo	CGmou	Chaillu Congolais - Moungoundou-Sud	-2.66769097	12.67175803	/	2	3	2	1	3
OH6164	Republic of the Congo	CGmou	Chaillu Congolais - Moungoundou-Sud	-2.66769097	12.67175803	/	2	3	2	1	3

OH6165	Republic of the Congo	CGmou	Chaillu Congolais - Moungoundou-Sud	-2.66769097	12.67175803	/	2	3	2	1	3
OH6166	Republic of the Congo	CGmou	Chaillu Congolais - Moungoundou-Sud	-2.66769097	12.67175803	/	2	3	2	1	3
OH6167	Republic of the Congo	CGmou	Chaillu Congolais - Moungoundou-Sud	-2.66769097	12.67175803	/	2	3	2	1	3
OH6168	Republic of the Congo	CGmou	Chaillu Congolais - Moungoundou-Sud	-2.66769097	12.67175803	/	2	3	2	1	3
JM1396	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.471617	29.2404	/	na	na	na	na	na
JM1397	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.465533	29.244267	/	na	na	na	na	na
JM1398	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.455467	29.247833	/	na	na	na	na	na
JM1399	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.462833	29.2455	/	na	na	na	na	na
JM1400	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.46375	29.24425	/	na	na	na	na	na
JM1401	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.45585	29.247767	/	na	na	na	na	na
JM1402	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.45675	29.247183	/	na	na	na	na	na
JM1403	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.452283	29.2323	/	na	na	na	na	na
JM1404	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.4491	29.24915	/	na	na	na	na	na
JM1407	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.46985	29.2433	/	na	na	na	na	na
JM1409	Rwanda	RWbig	Nyungwe, Mt Bigugu	-2.45705	29.247067	/	na	na	na	na	na

**Table S3. Results of ABC demographic inference for *P. latifolius* in Cameroon, using the software DIYABC:** prior and posterior distributions of the demographical and historical parameters (graphical representation in Figure 5). Times in year BP and effective sizes in number of individuals.

Parameter SCENARIO 1		Prior distribution	Mean	Mode	q025	q975
<b><i>ta<sub>3-6</sub></i></b>	Last demographical changes for CM	Uniform (500-5,000)	Not retained			
<b><i>tb</i></b>	Divergence CM pops	Uniform (500-20,000)				

Parameter SCENARIO 2		Prior distribution	Mean	Mode	q025	q975
<b><i>N<sub>3</sub></i></b>	Effective size CMkup at <i>t<sub>0</sub></i>	Uniform (10-2,000)	1,210	1,180	411	1,930
<b><i>N<sub>4</sub></i></b>	Effective size CMngo at <i>t<sub>0</sub></i>	Uniform (10-2,000)	775	507	191	1,760
<b><i>N<sub>5</sub></i></b>	Effective size CMoku at <i>t<sub>0</sub></i>	Uniform (10-20,000)	8,200	4,720	2,100	18,900
<b><i>N<sub>6</sub></i></b>	Effective size CMebo at <i>t<sub>0</sub></i>	Uniform (10-2,000)	1,320	1,260	495	1,960
<b><i>Na<sub>3</sub></i></b>	Effective size CMkup at <i>ta</i>	Uniform (10-100,000)	49,500	13,300	4,660	97,900
<b><i>Na<sub>4</sub></i></b>	Effective size CMngo at <i>ta</i>	Uniform (10-100,000)	48,600	9,190	3,740	97,300
<b><i>Na<sub>5</sub></i></b>	Effective size CMoku at <i>ta</i>	Uniform (10-100,000)	29,800	4,420	2,260	91,800
<b><i>Na<sub>6</sub></i></b>	Effective size CMebo at <i>ta</i>	Uniform (10-100,000)	58,700	94,600	8,380	9,850
<b><i>Nb</i></b>	Effective size CM at <i>tb</i>	Uniform (10-100,000)	47,900	28,900	13,900	92,400
<b><i>ta<sub>3-6</sub></i></b>	Last demographical changes for CM	Uniform (500-100,000)	41,00	39,100	13,500	77,000
<b><i>tb</i></b>	Divergence CM pops	Uniform (500-250,000)	153,500	169,500	52,500	245,000
<b><i>Mean μ</i></b>	Mean mutation rate	Uniform (1.0e-5-1.0e-4)	4.18e-5	2.18e-5	1.18e-5	9.05e-5
<b><i>Mean P</i></b>	Mean coefficient P	Uniform (0.1-0.3)	0.218	0.300	0.114	0.300