

Supplementary Materials

Table S1. Location and agro-ecological zones of the study sites in Kenya.

Study Site	GPS co-ordinates	Agro-ecological Zone
Gilgil, Nakuru	0.4923° S, 36.3173° E	Zone III
Mbeere, Embu	0.5388° S, 37.4596° E	Zone II
Nkubu, Meru	0.0647° S, 37.6679° E	Zone II
Nanyuki, Laikipia	0.0074° N, 37.0722° E	Zone IV
Kasarani, Nairobi	1.2254° S, 36.8976° E	Zone II
Kibwezi, Makueni	2.4105° S, 37.9678° E	Zone V
Kishushe, Taita	3.3973° S, 38.5559° E	Zone V
Muhaka, Kwale	4.2879° S, 39.5653° E	Zone IV
Malindi, Kilifi	3.2192° S, 40.1169° E	Zone V
Mbita, Homabay	0.4368° S, 34.2060° E	Zone III
Mwingi, Kitui	0.9374° S, 38.0605° E	Zone V
Ngong, Kajiado	1.3562° S, 36.6688° E	Zone III
Matuu, Machakos	1.1407° S, 37.5481° E	Zone IV
Isiolo, Isiolo	0.3556° N, 37.5833° E	Zone IV
Makuyu, Murang'a	0.9026° S, 37.1875° E	Zone II

Table S2. Accession numbers of saturniid sequences submitted to the GenBank.

	Sample	Accession Number
1	SUB7133105 S17_Gzambesina_Kilifi	MT176774
2	SUB7133105 S18_Gzambesina_Kilifi	MT176775
3	SUB7133105 S79_Gzambesina_Kambiti	MT176776
4	SUB7133105 S95_Gzambesina_Embu	MT176777
5	SUB7133105 S97_Brown_Gzambesina_Makuyu	MT176778
6	SUB7133105 S98_Brown_Gzambesina_Makuyu	MT176779
7	SUB7133105 S99_Green_Gzambesina_Makuyu	MT176780
8	SUB7133105 S100_Green_Gzambesina_Makuyu	MT176781
9	SUB7133105 S101_Green_Gzambesina_Makuyu	MT176782
10	SUB7133105 S102_Green_Gzambesina_Makuyu	MT176783
11	SUB7133105 S104_Brown_Gzambesina_Makuyu	MT176784
12	SUB7133105 S105_Brown_Gzambesina_Makuyu	MT176785
13	SUB7133105 S107_Brown_Gzambesina_Makuyu	MT176786
14	SUB7133102 S48_Gufipana_Muhaka	MT176766
15	SUB7108149 S22_Gcocaulti_Matuu	MT159807
16	SUB7108149 S28_Gcocaulti_Matuu	MT159808
17	SUB7108149 S30_Gcocaulti_Mwingi	MT159809
18	SUB7108149 S32_Gcocaulti_Taita	MT159810
19	SUB7108149 S33_Gcocaulti_Taita	MT159811
20	SUB7108149 S34_Gcocaulti_Taita	MT159812
21	SUB7108145 IBB1_Gbelina	MT157403
22	SUB7108145 IBB2_Gbelina	MT157404
23	SUB7133102 S48_Gufipana_Muhaka	MT176766
24	SUB7074604 Nigeria1_Balcinoe	MT179695
25	SUB7074604 S84_Balcinoe_Matuu	MT179696
26	SUB7074604 S85_Balcinoe_Matuu	MT179697
27	SUB7074604 S87_Balcinoe_Nanyuki	MT179698
28	SUB7074604 S88_Balcinoe_Nanyuki	MT179699
29	SUB7074604 S90_Balcinoe_Mbita	MT179700
30	SUB7074604 S91_Balcinoe_Mbita	MT179701
31	SUB7074604 S92_Balcinoe_Embu	MT179702
32	SUB7074604 S93_Balcinoe_Embu	MT179703

33	SUB7074617 2CF_Cforda_Ngong	MT179704
34	SUB7074617 5CF_Cforda_Ngong	MT179705
35	SUB7074617 S6_Cforda_Mbita	MT179706
36	SUB7074617 S7_Cforda_Mbita	MT179707
37	SUB7074617 S54_Cforda_Gilgil	MT179708
38	SUB7074617 S55_Cforda_Kilifi	MT179709
39	SUB7138372 GM1_Gwestwoodi	MT182818
40	SUB7138372 GM1_Gwestwoodi	MT182818
41	SUB7138303 GMB2_Gnigra	MT179594
42	SUB7133097 S2_Gkrucki_Nairobi	MT178412
43	SUB7133097 S3_Gkrucki_Nairobi	MT178413

Table S3. Pairwise genetic distances of *Gonimbrasia zambesina* samples.

Samples	KAG 94	EMG 95	MAB 97	MAB 98	MAG 99	MAG1 00	MAG1 01	MAG1 02	MAB1 04	MAB1 05	MAB1 06	MAB1 07	KFG 17	KFG 18	KAG 79	SAPBA77 3-07	SAPBA77 2-07
KAG94	0.00%																
EMG95	0.00%	0.00%															
MAB97	0.15%	0.15%	0.00%														
MAB98	0.15%	0.15%	0.00%	0.00%													
MAG99	0.15%	0.15%	0.00%	0.00%	0.00%												
MAG100	0.15%	0.15%	0.00%	0.00%	0.00%	0.00%											
MAG101	0.30%	0.30%	0.15%	0.15%	0.15%	0.15%	0.00%										
MAG102	0.30%	0.30%	0.15%	0.15%	0.15%	0.15%	0.31%	0.00%									
MAB104	0.30%	0.30%	0.15%	0.15%	0.15%	0.15%	0.31%	0.31%	0.00%								
MAB105	0.15%	0.15%	0.00%	0.00%	0.00%	0.00%	0.15%	0.15%	0.15%	0.00%							
MAB106	0.15%	0.15%	0.00%	0.00%	0.00%	0.00%	0.15%	0.15%	0.15%	0.00%	0.00%						
MAB107	0.30%	0.30%	0.15%	0.15%	0.15%	0.15%	0.31%	0.31%	0.31%	0.15%	0.15%	0.00%					
KFG17	0.61%	0.61%	0.46%	0.46%	0.46%	0.46%	0.61%	0.61%	0.61%	0.46%	0.46%	0.61%	0.00%				
KFG18	0.61%	0.61%	0.46%	0.46%	0.46%	0.46%	0.61%	0.61%	0.61%	0.46%	0.46%	0.61%	0.00%	0.00%			
KAG79	0.15%	0.15%	0.00%	0.00%	0.00%	0.00%	0.15%	0.15%	0.15%	0.00%	0.00%	0.15%	0.46%	0.46%	0.00%		
SAPBA773-07	0.61%	0.61%	0.46%	0.46%	0.46%	0.46%	0.61%	0.61%	0.61%	0.46%	0.46%	0.61%	0.00%	0.00%	0.46%	0.00%	
SAPBA772-07	1.22%	1.22%	1.07%	1.07%	1.07%	1.07%	1.23%	1.23%	1.23%	1.07%	1.07%	1.23%	1.22%	1.22%	1.07%	1.22%	0.00%

Table S4. Pairwise genetic distances of *Bunaea alcinoe* samples.

Samples	NGR 1	SATWA891-07.COI-5P	MAB8 4	MAB8 5	MAB8 6	NAB8 7	NAB8 8	MBB9 0	MBB9 1	EMB9 2	EMB9 3	LSAFR2238-12
NGR1	0.00%											
SATWA891-07.COI-5P	0.00%	0.00%										
MAB84	3.60%	3.60%	0.00%									
MAB85	3.44%	3.44%	0.15%	0.00%								
MAB86	3.44%	3.44%	0.15%	0.00%	0.00%							
NAB87	3.28%	3.28%	0.30%	0.15%	0.15%	0.00%						
NAB88	3.28%	3.28%	0.30%	0.15%	0.15%	0.00%	0.00%					
MBB90	3.44%	3.44%	0.15%	0.00%	0.00%	0.15%	0.15%	0.00%				
MBB91	3.45%	3.45%	0.46%	0.31%	0.31%	0.15%	0.15%	0.31%	0.00%			
EMB92	3.28%	3.28%	0.31%	0.15%	0.15%	0.00%	0.00%	0.15%	0.15%	0.00%		
EMB93	3.76%	3.76%	0.77%	0.61%	0.61%	0.46%	0.46%	0.61%	0.61%	0.46%	0.00%	
LSAFR2238-12	3.76%	3.76%	0.76%	0.61%	0.61%	0.76%	0.76%	0.61%	0.92%	0.76%	1.23%	0.00%