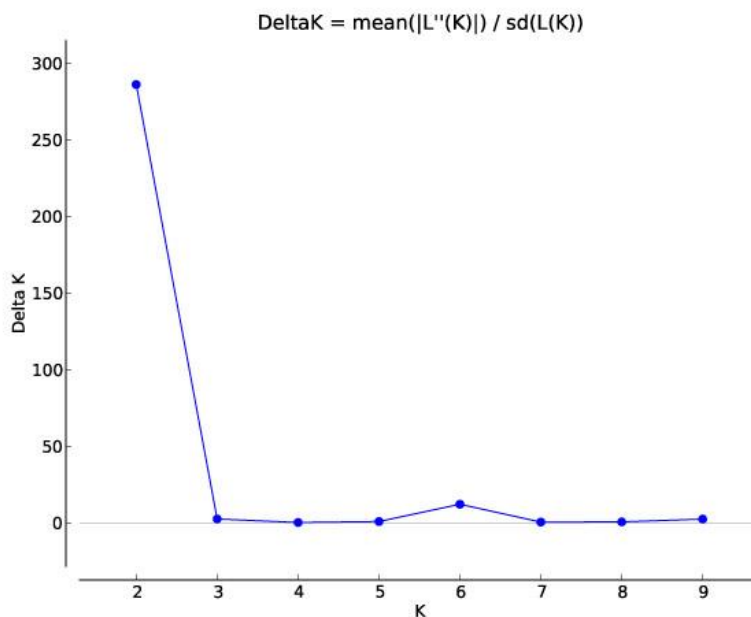


APPENDIX 4 . Results of STRUCTURE analysis for 126 samples belonging to the Guinean group

APPENDIX 4-1. Evanno table output and population assignment for K=1 to K=10

K	Reps	Mean LnP(K)	Stdev LnP(K)	Ln'(K)	Ln''(K)	Delta K
1	20	-5312.27	0.689088	NA	NA	NA
2	20	-4994.44	0.835023	317.83	239.025	286.249652
3	20	-4915.635	14.305695	78.805	37.36	2.611547
4	20	-4799.47	26.294048	116.165	8.71	0.331254
5	20	-4674.595	44.556487	124.875	42.48	0.953397
6	20	-4592.2	5.059228	82.395	61.945	12.243963
7	20	-4571.75	22.797795	20.45	13.655	0.598961
8	20	-4537.645	14.925763	34.105	10.81	0.724251
9	20	-4492.73	10.70062	44.915	27.305	2.551721
10	20	-4475.12	19.313388	17.61	NA	NA



This document was produced by the Structure Harvester, <http://taylor0.biology.ucla.edu/structureHarvester>

CITATION: Earl, Dent A. and vonHoldt, Bridgett M. (2012). STRUCTURE HARVESTER: a website and program for visualizing STRUCTURE output and implementing the Evanno method. Conservation Genetics Resources vol. 4 (2) pp. 359-361 doi: 10.1007/s12686-011-9548-7

Core version: vA.2 July 2014 ; Plot version: vA.1 November 2012 ; Web version: v0.6.94 July 2014;

File generated at 2018-Sep-3 10:48:11

CLUMPAK main pipeline - Job 1533283784 summary

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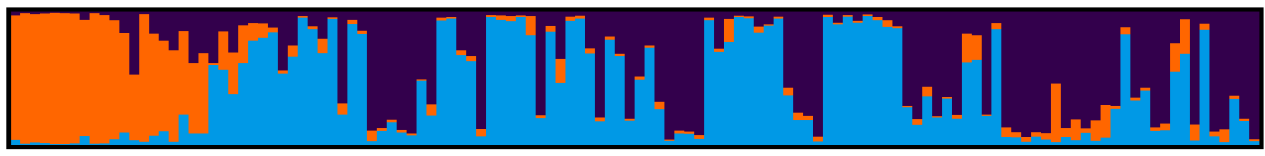
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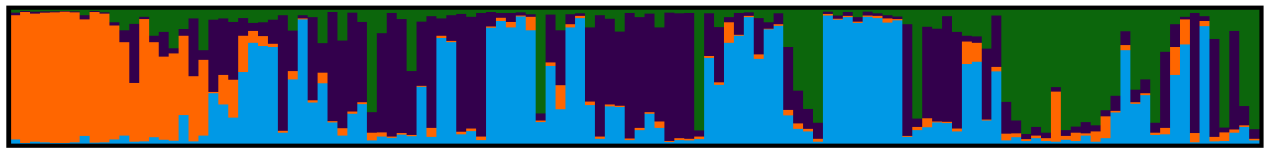
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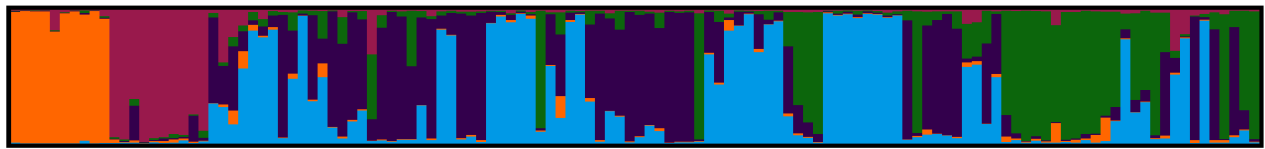
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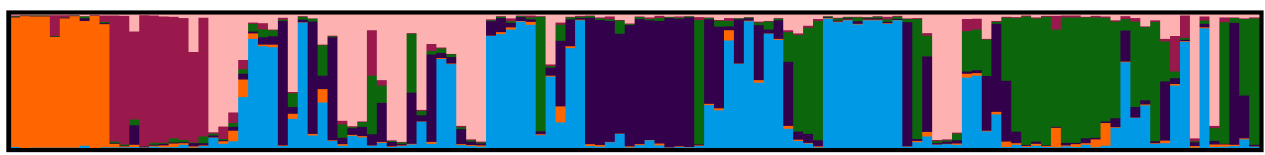
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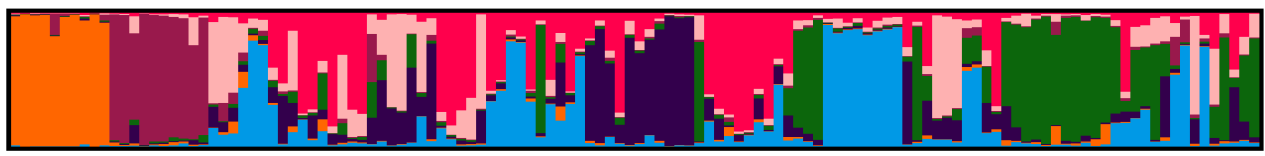
K=5



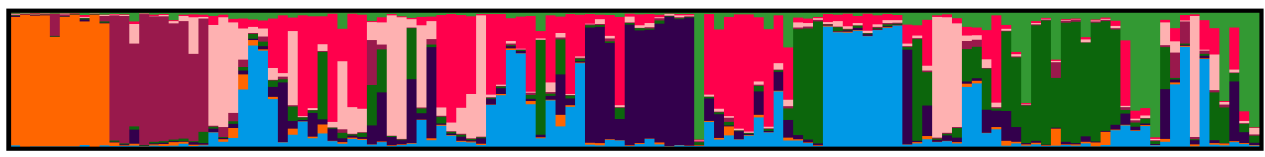
K=6



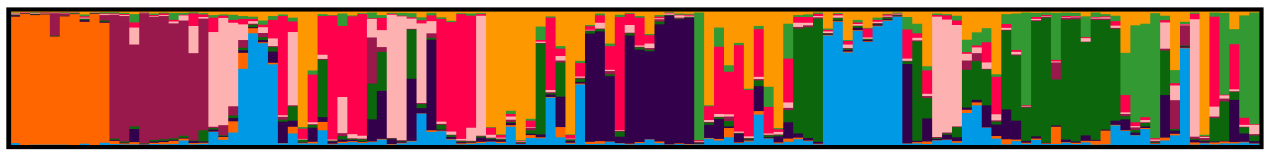
K=7



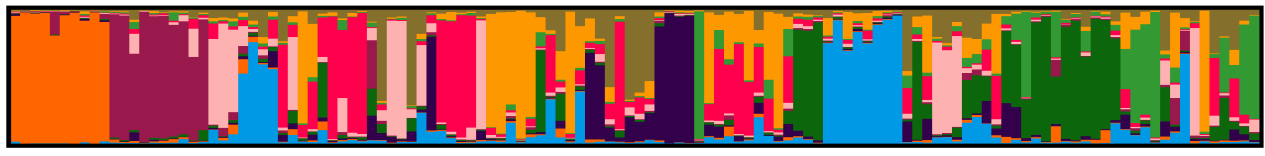
K=8



K=9

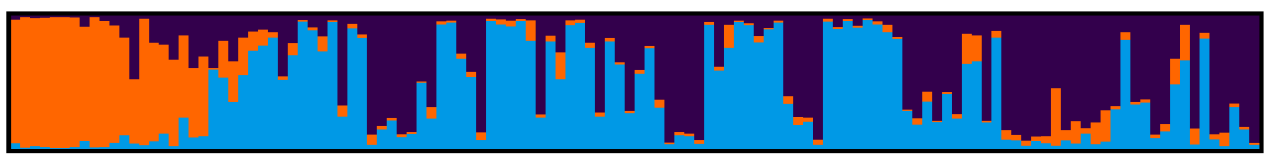


K=10

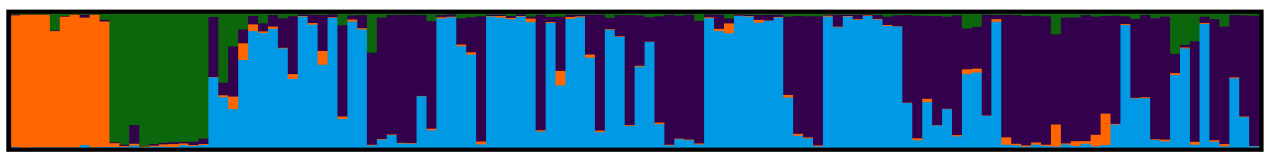


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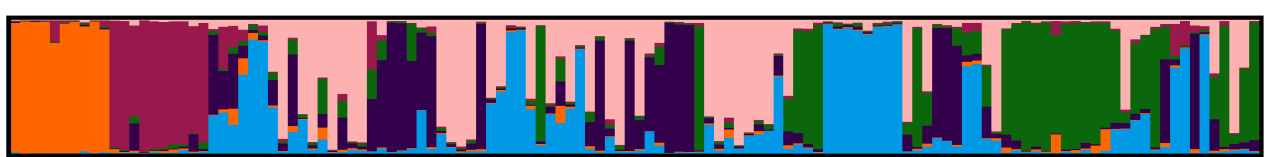
K=3 MinorCluster1



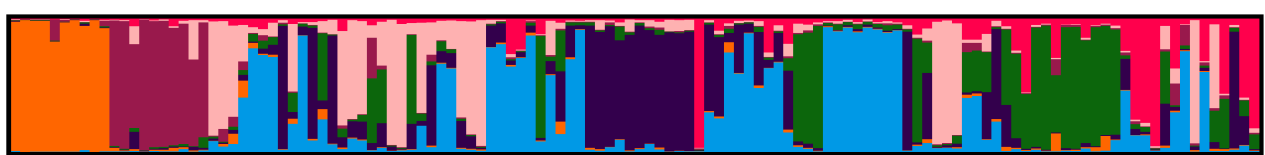
K=4 MinorCluster1



K=6 MinorCluster1



K=7 MinorCluster1



K=9 MinorCluster1



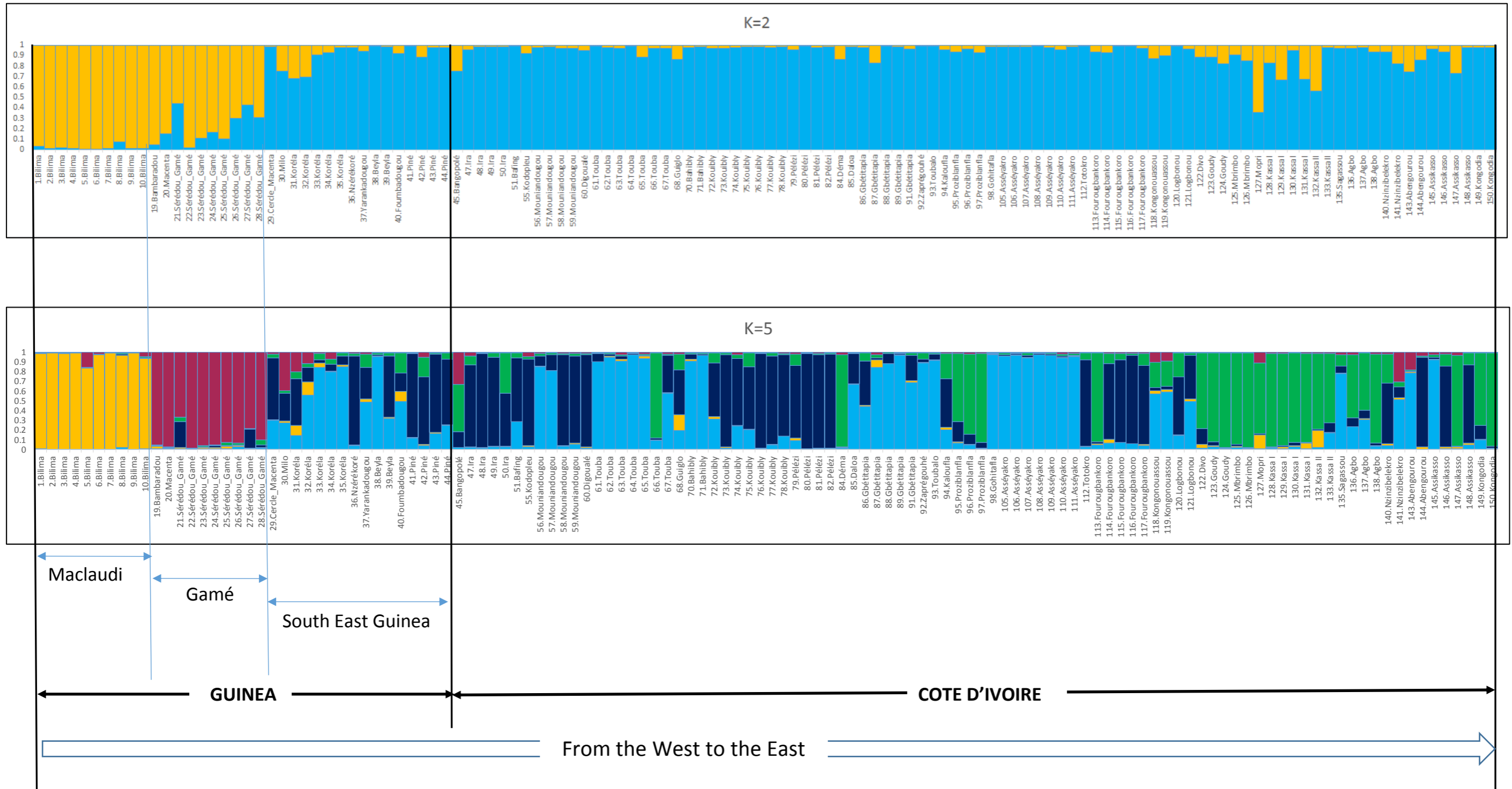
K=10 MinorCluster1



Division of runs by mode:

- K=1 20/20
- K=2 20/20
- K=3 17/20, 3/20
- K=4 13/20, 7/20
- K=5 19/20
- K=6 15/20, 4/20
- K=7 12/20, 8/20
- K=8 18/20
- K=9 17/20, 2/20
- K=10 13/20, 7/20

APPENDIX 4- 2: Results of STRUCTURE analysis for the 126 samples belonging to the Guinean group. Population assignment for K=2 and K=5



K=2

K=5

Maclaudi

Gamé

South East Guinea

GUINEA

COTE D'IVOIRE

From the West to the East

APPENDIX 4- 3: Results of STRUCTURE analysis for the 126 samples belonging to the Guinean group. Population assignment (Q values) for K=5

ID.Location	Q1	Q2	Q3	Q4	Q5
1.Bilima	0.0079	0.9771	0.0059	0.0051	0.0041
2.Bilima	0.0024	0.9892	0.0026	0.0028	0.003
3.Bilima	0.004	0.985	0.004	0.004	0.003
4.Bilima	0.0037	0.9872	0.003	0.0031	0.0031
5.Bilima	0.003	0.8366	0.0027	0.0055	0.1522
6.Bilima	0.003	0.9725	0.0034	0.0041	0.0171
7.Bilima	0.003	0.9881	0.0029	0.003	0.003
8.Bilima	0.0216	0.9434	0.0135	0.0175	0.004
9.Bilima	0.0028	0.9893	0.0024	0.0026	0.0029
10.Bilima	0.0059	0.9293	0.0062	0.0125	0.0461
19.Bambaradou	0.0061	0.0272	0.005	0.0104	0.9513
20.Macenta	0.0077	0.0061	0.0077	0.0097	0.9688
21.Sérédou_Gamé	0.0091	0.0158	0.2599	0.0511	0.6641
22.Sérédou_Gamé	0.003	0.004	0.003	0.003	0.987
23.Sérédou_Gamé	0.0103	0.0091	0.0076	0.015	0.9581
24.Sérédou_Gamé	0.0059	0.0155	0.017	0.0103	0.9513
25.Sérédou_Gamé	0.0083	0.025	0.0097	0.0298	0.9272
26.Sérédou_Gamé	0.0261	0.0141	0.0102	0.0161	0.9335
27.Sérédou_Gamé	0.0058	0.01	0.1953	0.0075	0.7814
28.Sérédou_Gamé	0.0177	0.0061	0.0214	0.0527	0.9021
29.Cercle_Macenta	0.3009	0.003	0.6398	0.0347	0.0216
30.Milo	0.2739	0.0189	0.2895	0.0258	0.3919
31.Koréla	0.1456	0.1033	0.4806	0.0685	0.202
32.Koréla	0.5629	0.1304	0.1485	0.0436	0.1145
33.Koréla	0.8468	0.0419	0.0338	0.0631	0.0144
34.Koréla	0.7966	0.012	0.0688	0.0547	0.0678
35.Koréla	0.854	0.0183	0.0872	0.0336	0.0071
36.Nzérékoré	0.0422	0.0043	0.9163	0.0221	0.0152
37.Yarankadougou	0.4855	0.038	0.3218	0.1379	0.0168
38.Beyla	0.9555	0.004	0.0136	0.0233	0.0036
39.Beyla	0.3168	0.0135	0.6298	0.0358	0.0041
40.Foumbadougou	0.4978	0.1039	0.184	0.207	0.0073
41.Piné	0.1202	0.0049	0.8637	0.0072	0.0039
42.Piné	0.0388	0.0161	0.693	0.1998	0.0523
43.Piné	0.1668	0.0108	0.8051	0.0092	0.0081
44.Piné	0.2474	0.0096	0.6741	0.062	0.0069
45.Bangopolé	0.0195	0.0039	0.1602	0.4852	0.3313
47.Ira	0.0245	0.007	0.836	0.0941	0.0384
48.Ira	0.0163	0.0048	0.9637	0.0094	0.0058
49.Ira	0.0295	0.0057	0.9153	0.0402	0.0093
50.Ira	0.0299	0.0058	0.5428	0.4157	0.0058
51.Bafing	0.2868	0.0029	0.6541	0.049	0.0071

55.Kodopleu	0.0264	0.0135	0.8914	0.0232	0.0456
56.Mouniandougou	0.8525	0.0084	0.0988	0.0305	0.0097
57.Mouniandougou	0.8092	0.0062	0.1618	0.0188	0.0041
58.Mouniandougou	0.0321	0.0098	0.9314	0.0145	0.0123
59.Mouniandougou	0.0548	0.0103	0.8934	0.03	0.0114
60.Digoualé	0.0125	0.015	0.9494	0.0131	0.0101
61.Touba	0.9006	0.0039	0.0829	0.0071	0.0055
62.Touba	0.951	0.0129	0.0201	0.0105	0.0054
63.Touba	0.9084	0.0178	0.0372	0.0117	0.0248
64.Touba	0.9713	0.0041	0.0122	0.0086	0.0039
65.Touba	0.9337	0.0252	0.0086	0.0165	0.0159
66.Touba	0.0908	0.0093	0.0167	0.879	0.0042
67.Touba	0.582	0.0063	0.3808	0.0148	0.0162
68.Guiglo	0.1939	0.1622	0.4616	0.1655	0.0167
70.Bahibly	0.9104	0.0159	0.0539	0.0149	0.0048
71.Bahibly	0.9649	0.0059	0.0115	0.0112	0.0066
72.Kouibly	0.3158	0.0256	0.5507	0.1019	0.0059
73.Kouibly	0.016	0.0108	0.9463	0.0219	0.005
74.Kouibly	0.2424	0.004	0.69	0.0382	0.0254
75.Kouibly	0.2039	0.005	0.6437	0.1412	0.0063
76.Kouibly	0.0107	0.0065	0.9681	0.0099	0.0049
77.Kouibly	0.0488	0.0086	0.9062	0.0306	0.0057
78.Kouibly	0.1365	0.0035	0.8342	0.0129	0.0129
79.Pélézi	0.0957	0.0207	0.7499	0.1135	0.0202
80.Pélézi	0.0052	0.003	0.9767	0.0111	0.0041
81.Pélézi	0.0118	0.0046	0.9607	0.0124	0.0104
82.Pélézi	0.0109	0.0043	0.9675	0.012	0.0053
84.Déma	0.0154	0.006	0.0099	0.9439	0.0247
85.Daloa	0.6695	0.0098	0.3049	0.0118	0.0039
86.Gbétitapia	0.4417	0.0151	0.4535	0.0848	0.0049
87.Gbétitapia	0.8468	0.0787	0.0177	0.0307	0.0261
88.Gbétitapia	0.8815	0.004	0.1023	0.0093	0.003
89.Gbétitapia	0.968	0.0056	0.0136	0.0082	0.0045
91.Gbétitapia	0.6863	0.0221	0.2597	0.0237	0.0083
92.Zaprégouhé	0.8925	0.0024	0.0329	0.0665	0.0057
93.Toubalo	0.915	0.0051	0.0629	0.0111	0.0059
94.Kaloufla	0.2044	0.0219	0.5011	0.2573	0.0152
95.Prozibanfla	0.0643	0.0128	0.2113	0.6972	0.0143
96.Prozibanfla	0.0446	0.0068	0.1083	0.8238	0.0166
97.Prozibanfla	0.0075	0.0067	0.0587	0.9119	0.0152
98.Gohitafla	0.9754	0.0062	0.0077	0.006	0.0046
105.Asséyakro	0.9586	0.0051	0.0092	0.0223	0.0048
106.Asséyakro	0.9682	0.0061	0.0141	0.0077	0.004
107.Asséyakro	0.9403	0.0061	0.0191	0.0305	0.0041
108.Asséyakro	0.9717	0.0048	0.0135	0.0059	0.004
109.Asséyakro	0.9664	0.0043	0.009	0.0123	0.0079

110.Asséyakro	0.9408	0.0063	0.0115	0.0215	0.0198
111.Asséyakro	0.9577	0.003	0.0082	0.0211	0.01
112.Totokro	0.0301	0.0024	0.8909	0.0714	0.0053
113.Fourougbankoro	0.0481	0.0118	0.0206	0.9107	0.0089
114.Fourougbankoro	0.0675	0.0381	0.7794	0.1019	0.0131
115.Fourougbankoro	0.0725	0.003	0.85	0.0647	0.0098
116.Fourougbankoro	0.0606	0.003	0.9067	0.0196	0.0101
117.Fourougbankoro	0.0415	0.0099	0.8099	0.1288	0.0099
118.Kongonouassou	0.5754	0.0322	0.0299	0.26	0.1026
119.Kongonouassou	0.5921	0.0258	0.033	0.2572	0.0918
120.Logbonou	0.1469	0.0031	0.5992	0.2457	0.005
121.Logbonou	0.4981	0.0227	0.4489	0.0214	0.0089
122.Divo	0.0131	0.0417	0.159	0.7808	0.0055
123.Goudy	0.0281	0.0109	0.0391	0.9148	0.0071
124.Goudy	0.0094	0.006	0.0061	0.9723	0.0063
125.Mbrimbo	0.0218	0.0159	0.0197	0.9354	0.0072
126.Mbrimbo	0.0092	0.0078	0.0076	0.9663	0.0092
127.Mopri	0.0072	0.1473	0.0082	0.7247	0.1126
128.Kassa I	0.0138	0.0069	0.0098	0.954	0.0154
129.Kassa I	0.0089	0.0212	0.0099	0.9462	0.0138
130.Kassa I	0.0274	0.0121	0.0328	0.9232	0.0045
131.Kassa I	0.0075	0.0583	0.0109	0.9123	0.0109
132.Kassa II	0.0196	0.1768	0.0136	0.7784	0.0116
133.Kassa II	0.1688	0.0059	0.0989	0.7146	0.0116
135.Sagassou	0.7821	0.0058	0.0679	0.1168	0.0274
136.Agbo	0.2337	0.0036	0.0913	0.6458	0.0256
137.Agbo	0.31	0.0068	0.0847	0.5926	0.006
138.Agbo	0.0352	0.0058	0.0231	0.9174	0.0185
140.Nzinzibelekro	0.0385	0.0231	0.6232	0.2961	0.0192
141.Nzinzibelekro	0.5169	0.0139	0.1103	0.0543	0.3046
143.Abengourou	0.7893	0.007	0.0074	0.0155	0.1808
144.Abengourou	0.0052	0.0224	0.9229	0.008	0.0416
145.Assikasso	0.9204	0.0072	0.0201	0.0239	0.0284
146.Assikasso	0.0085	0.0189	0.8272	0.1284	0.0169
147.Assikasso	0.0089	0.0177	0.0081	0.9328	0.0324
148.Assikasso	0.0484	0.0162	0.809	0.1204	0.0061
149.Kongodia	0.0995	0.0061	0.1458	0.7421	0.0064
150.Kongodia	0.0111	0.004	0.0198	0.9559	0.0092