

# Bidirectional CZ and CFP1 for 500L

POPULATION SIZE, MIGRATION, DIVERGENCE, ASSIGNMENT, HISTORY

Bayesian inference using the structured coalescent

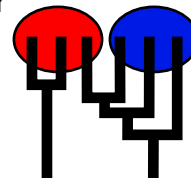
Migrate-n version 4.4.4(git:) [June-1-2019]

Compiled for PARALLEL computer architectures

One master and 19 compute nodes are available.

Program started at Wed May 11 23:46:54 2022

Program finished at Wed May 11 23:51:10 2022 [Runtime:0000:00:04:16]



## Options

Inheritance scalers in use for Thetas:

All loci use an inheritance scaler of 1.0

[The locus with a scaler of 1.0 used as reference]

Data set was subsampled: used a random sample of size:

5 and seed 12345

Random number seed:

(from parmfile) 31070

Start parameters:

Theta values were generated

Using a percent value of the prior

M values were generated

Using a percent value of the prior

Connection matrix:

m = average (average over a group of Thetas or M,

s = symmetric migration M, S = symmetric 4Nm,

0 = zero, and not estimated,

\* = migration free to vary, Thetas are on diagonal

d = row population split off column population, D = split and then migration

Population	1	2
1 Pop_CFPxCZ	*	*
2 Pop_CZ	*	*

Order of parameters:

- 1             $\Theta_1$             <displayed>
- 2             $\Theta_2$             <displayed>
- 3            M<sub>2->1</sub>            <displayed>
- 4            M<sub>1->2</sub>            <displayed>

Mutation rate among loci:

Mutation rate is constant for all loci

Analysis strategy:

Bayesian inference

-Population size estimation:

Exponential Distribution

-Geneflow estimation:

Exponential Distribution

Proposal distributions for parameter

Parameter	Proposal
Theta	Slice sampling
M	Slice sampling
Divergence	Slice sampling
Divergence Spread	Slice sampling
Genealogy	Metropolis-Hastings

Prior distribution for parameter

Parameter		Prior	Minimum	Mean	Maximum	Delta	Bins	UpdateFreq
1	Theta	** Uniform	0.000000	0.005	0.010	0.001	1500	0.12500
2	Theta	** Uniform	0.000000	0.005	0.010	0.001	1500	0.12500
3	M	** Uniform	0.000000	25000	50000	1000.	1500	0.12500
4	M	** Uniform	0.000000	25000	50000	1000.	1500	0.12500

[\* \* means priors were set globally]

Markov chain settings:

Long chain

Number of chains	1
Recorded steps [a]	1000
Increment (record every x step [b])	200
Number of concurrent chains (replicates) [c]	1
Visited (sampled) parameter values [a*b*c]	200000
Number of discard trees per chain (burn-in)	2500

Multiple Markov chains:

Static heating scheme

1000000.00      4 chains with temperatures  
 3.00      1.50      1.00  
 Swapping interval is 1

Print options:

Data file:

infile.cz\_cfp.500L.out

Haplotyping is turned on:

NO

Output file:	Uni 500L_cz_cfp_bidir
Posterior distribution raw histogram file:	bayesfile
Raw data from the MCMC run:	bayesallfile.gz
Print data:	No
Print genealogies [only some for some data type]:	None

## *Data summary*

Data file: infile.cz\_cfp.500L.out  
 Datatype: Haplotype data  
 Number of loci: 500

### Mutationmodel:

Locus	Sublocus	Mutationmodel	Mutationmodel parameters
1	1	Felsenstein 84	[Bf:0.23 0.26 0.33 0.18, t/t ratio=2.000]
2	1	Felsenstein 84	[Bf:0.13 0.34 0.31 0.23, t/t ratio=2.000]
3	1	Felsenstein 84	[Bf:0.21 0.19 0.21 0.39, t/t ratio=2.000]
4	1	Felsenstein 84	[Bf:0.21 0.21 0.35 0.23, t/t ratio=2.000]
5	1	Felsenstein 84	[Bf:0.27 0.25 0.15 0.33, t/t ratio=2.000]
6	1	Felsenstein 84	[Bf:0.27 0.19 0.20 0.34, t/t ratio=2.000]
7	1	Felsenstein 84	[Bf:0.28 0.24 0.16 0.31, t/t ratio=2.000]
8	1	Felsenstein 84	[Bf:0.25 0.32 0.26 0.18, t/t ratio=2.000]
9	1	Felsenstein 84	[Bf:0.23 0.26 0.21 0.30, t/t ratio=2.000]
10	1	Felsenstein 84	[Bf:0.23 0.30 0.28 0.18, t/t ratio=2.000]
11	1	Felsenstein 84	[Bf:0.21 0.29 0.34 0.16, t/t ratio=2.000]
12	1	Felsenstein 84	[Bf:0.20 0.31 0.29 0.20, t/t ratio=2.000]
13	1	Felsenstein 84	[Bf:0.21 0.26 0.26 0.28, t/t ratio=2.000]
14	1	Felsenstein 84	[Bf:0.26 0.21 0.32 0.21, t/t ratio=2.000]
15	1	Felsenstein 84	[Bf:0.21 0.21 0.33 0.25, t/t ratio=2.000]
16	1	Felsenstein 84	[Bf:0.23 0.24 0.28 0.26, t/t ratio=2.000]
17	1	Felsenstein 84	[Bf:0.18 0.26 0.33 0.23, t/t ratio=2.000]
18	1	Felsenstein 84	[Bf:0.23 0.18 0.37 0.22, t/t ratio=2.000]
19	1	Felsenstein 84	[Bf:0.28 0.16 0.42 0.14, t/t ratio=2.000]
20	1	Felsenstein 84	[Bf:0.30 0.21 0.21 0.28, t/t ratio=2.000]
21	1	Felsenstein 84	[Bf:0.18 0.31 0.30 0.21, t/t ratio=2.000]
22	1	Felsenstein 84	[Bf:0.24 0.38 0.22 0.16, t/t ratio=2.000]
23	1	Felsenstein 84	[Bf:0.15 0.34 0.27 0.23, t/t ratio=2.000]
24	1	Felsenstein 84	[Bf:0.23 0.30 0.32 0.16, t/t ratio=2.000]
25	1	Felsenstein 84	[Bf:0.26 0.16 0.34 0.24, t/t ratio=2.000]
26	1	Felsenstein 84	[Bf:0.27 0.24 0.21 0.29, t/t ratio=2.000]
27	1	Felsenstein 84	[Bf:0.23 0.22 0.38 0.16, t/t ratio=2.000]
28	1	Felsenstein 84	[Bf:0.30 0.33 0.21 0.16, t/t ratio=2.000]
29	1	Felsenstein 84	[Bf:0.29 0.21 0.22 0.29, t/t ratio=2.000]
30	1	Felsenstein 84	[Bf:0.21 0.22 0.36 0.21, t/t ratio=2.000]
31	1	Felsenstein 84	[Bf:0.15 0.31 0.25 0.29, t/t ratio=2.000]
32	1	Felsenstein 84	[Bf:0.26 0.25 0.21 0.29, t/t ratio=2.000]
33	1	Felsenstein 84	[Bf:0.21 0.23 0.32 0.24, t/t ratio=2.000]
34	1	Felsenstein 84	[Bf:0.16 0.26 0.38 0.20, t/t ratio=2.000]

35	1	Felsenstein 84	[Bf:0.22 0.27 0.30 0.21, t/t ratio=2.000]
36	1	Felsenstein 84	[Bf:0.31 0.23 0.23 0.23, t/t ratio=2.000]
37	1	Felsenstein 84	[Bf:0.27 0.22 0.21 0.30, t/t ratio=2.000]
38	1	Felsenstein 84	[Bf:0.26 0.28 0.19 0.26, t/t ratio=2.000]
39	1	Felsenstein 84	[Bf:0.18 0.31 0.31 0.19, t/t ratio=2.000]
40	1	Felsenstein 84	[Bf:0.22 0.36 0.29 0.13, t/t ratio=2.000]
41	1	Felsenstein 84	[Bf:0.31 0.13 0.20 0.36, t/t ratio=2.000]
42	1	Felsenstein 84	[Bf:0.26 0.27 0.18 0.29, t/t ratio=2.000]
43	1	Felsenstein 84	[Bf:0.17 0.31 0.38 0.14, t/t ratio=2.000]
44	1	Felsenstein 84	[Bf:0.23 0.39 0.23 0.15, t/t ratio=2.000]
45	1	Felsenstein 84	[Bf:0.31 0.21 0.24 0.24, t/t ratio=2.000]
46	1	Felsenstein 84	[Bf:0.26 0.31 0.20 0.22, t/t ratio=2.000]
47	1	Felsenstein 84	[Bf:0.25 0.21 0.34 0.20, t/t ratio=2.000]
48	1	Felsenstein 84	[Bf:0.36 0.18 0.24 0.22, t/t ratio=2.000]
49	1	Felsenstein 84	[Bf:0.31 0.17 0.27 0.24, t/t ratio=2.000]
50	1	Felsenstein 84	[Bf:0.23 0.23 0.31 0.22, t/t ratio=2.000]
51	1	Felsenstein 84	[Bf:0.31 0.26 0.34 0.09, t/t ratio=2.000]
52	1	Felsenstein 84	[Bf:0.20 0.34 0.31 0.16, t/t ratio=2.000]
53	1	Felsenstein 84	[Bf:0.17 0.29 0.33 0.20, t/t ratio=2.000]
54	1	Felsenstein 84	[Bf:0.24 0.24 0.24 0.27, t/t ratio=2.000]
55	1	Felsenstein 84	[Bf:0.24 0.26 0.25 0.25, t/t ratio=2.000]
56	1	Felsenstein 84	[Bf:0.38 0.19 0.20 0.24, t/t ratio=2.000]
57	1	Felsenstein 84	[Bf:0.14 0.31 0.24 0.31, t/t ratio=2.000]
58	1	Felsenstein 84	[Bf:0.16 0.32 0.27 0.24, t/t ratio=2.000]
59	1	Felsenstein 84	[Bf:0.27 0.20 0.32 0.21, t/t ratio=2.000]
60	1	Felsenstein 84	[Bf:0.22 0.25 0.34 0.19, t/t ratio=2.000]
61	1	Felsenstein 84	[Bf:0.08 0.22 0.35 0.35, t/t ratio=2.000]
62	1	Felsenstein 84	[Bf:0.17 0.23 0.39 0.20, t/t ratio=2.000]
63	1	Felsenstein 84	[Bf:0.25 0.19 0.35 0.21, t/t ratio=2.000]
64	1	Felsenstein 84	[Bf:0.24 0.26 0.31 0.20, t/t ratio=2.000]
65	1	Felsenstein 84	[Bf:0.23 0.25 0.29 0.23, t/t ratio=2.000]
66	1	Felsenstein 84	[Bf:0.32 0.23 0.24 0.21, t/t ratio=2.000]
67	1	Felsenstein 84	[Bf:0.26 0.38 0.08 0.29, t/t ratio=2.000]
68	1	Felsenstein 84	[Bf:0.24 0.26 0.31 0.19, t/t ratio=2.000]
69	1	Felsenstein 84	[Bf:0.23 0.26 0.24 0.26, t/t ratio=2.000]
70	1	Felsenstein 84	[Bf:0.23 0.35 0.22 0.19, t/t ratio=2.000]
71	1	Felsenstein 84	[Bf:0.33 0.16 0.24 0.26, t/t ratio=2.000]
72	1	Felsenstein 84	[Bf:0.24 0.32 0.16 0.28, t/t ratio=2.000]
73	1	Felsenstein 84	[Bf:0.17 0.24 0.34 0.25, t/t ratio=2.000]
74	1	Felsenstein 84	[Bf:0.19 0.33 0.28 0.20, t/t ratio=2.000]
75	1	Felsenstein 84	[Bf:0.31 0.15 0.34 0.20, t/t ratio=2.000]
76	1	Felsenstein 84	[Bf:0.25 0.14 0.24 0.37, t/t ratio=2.000]
77	1	Felsenstein 84	[Bf:0.13 0.37 0.29 0.21, t/t ratio=2.000]
78	1	Felsenstein 84	[Bf:0.19 0.27 0.34 0.21, t/t ratio=2.000]
79	1	Felsenstein 84	[Bf:0.24 0.20 0.31 0.25, t/t ratio=2.000]

80	1	Felsenstein 84	[Bf:0.22 0.17 0.28 0.33, t/t ratio=2.000]
81	1	Felsenstein 84	[Bf:0.21 0.34 0.28 0.16, t/t ratio=2.000]
82	1	Felsenstein 84	[Bf:0.23 0.28 0.29 0.21, t/t ratio=2.000]
83	1	Felsenstein 84	[Bf:0.20 0.30 0.11 0.38, t/t ratio=2.000]
84	1	Felsenstein 84	[Bf:0.31 0.25 0.25 0.20, t/t ratio=2.000]
85	1	Felsenstein 84	[Bf:0.23 0.16 0.39 0.21, t/t ratio=2.000]
86	1	Felsenstein 84	[Bf:0.20 0.25 0.31 0.24, t/t ratio=2.000]
87	1	Felsenstein 84	[Bf:0.19 0.26 0.34 0.21, t/t ratio=2.000]
88	1	Felsenstein 84	[Bf:0.31 0.20 0.31 0.18, t/t ratio=2.000]
89	1	Felsenstein 84	[Bf:0.29 0.22 0.26 0.22, t/t ratio=2.000]
90	1	Felsenstein 84	[Bf:0.18 0.29 0.23 0.29, t/t ratio=2.000]
91	1	Felsenstein 84	[Bf:0.30 0.20 0.17 0.33, t/t ratio=2.000]
92	1	Felsenstein 84	[Bf:0.29 0.25 0.21 0.25, t/t ratio=2.000]
93	1	Felsenstein 84	[Bf:0.17 0.29 0.31 0.23, t/t ratio=2.000]
94	1	Felsenstein 84	[Bf:0.20 0.25 0.22 0.33, t/t ratio=2.000]
95	1	Felsenstein 84	[Bf:0.23 0.29 0.24 0.23, t/t ratio=2.000]
96	1	Felsenstein 84	[Bf:0.23 0.23 0.22 0.32, t/t ratio=2.000]
97	1	Felsenstein 84	[Bf:0.29 0.20 0.34 0.16, t/t ratio=2.000]
98	1	Felsenstein 84	[Bf:0.34 0.21 0.15 0.30, t/t ratio=2.000]
99	1	Felsenstein 84	[Bf:0.16 0.31 0.32 0.21, t/t ratio=2.000]
100	1	Felsenstein 84	[Bf:0.23 0.28 0.23 0.26, t/t ratio=2.000]
101	1	Felsenstein 84	[Bf:0.16 0.39 0.29 0.16, t/t ratio=2.000]
102	1	Felsenstein 84	[Bf:0.27 0.31 0.22 0.20, t/t ratio=2.000]
103	1	Felsenstein 84	[Bf:0.30 0.31 0.20 0.19, t/t ratio=2.000]
104	1	Felsenstein 84	[Bf:0.23 0.23 0.25 0.28, t/t ratio=2.000]
105	1	Felsenstein 84	[Bf:0.24 0.32 0.28 0.16, t/t ratio=2.000]
106	1	Felsenstein 84	[Bf:0.16 0.28 0.25 0.31, t/t ratio=2.000]
107	1	Felsenstein 84	[Bf:0.26 0.16 0.31 0.27, t/t ratio=2.000]
108	1	Felsenstein 84	[Bf:0.27 0.21 0.22 0.30, t/t ratio=2.000]
109	1	Felsenstein 84	[Bf:0.13 0.27 0.35 0.25, t/t ratio=2.000]
110	1	Felsenstein 84	[Bf:0.37 0.24 0.26 0.12, t/t ratio=2.000]
111	1	Felsenstein 84	[Bf:0.19 0.30 0.31 0.21, t/t ratio=2.000]
112	1	Felsenstein 84	[Bf:0.34 0.16 0.31 0.18, t/t ratio=2.000]
113	1	Felsenstein 84	[Bf:0.27 0.19 0.26 0.28, t/t ratio=2.000]
114	1	Felsenstein 84	[Bf:0.33 0.23 0.23 0.21, t/t ratio=2.000]
115	1	Felsenstein 84	[Bf:0.21 0.26 0.29 0.24, t/t ratio=2.000]
116	1	Felsenstein 84	[Bf:0.21 0.24 0.42 0.14, t/t ratio=2.000]
117	1	Felsenstein 84	[Bf:0.23 0.23 0.27 0.27, t/t ratio=2.000]
118	1	Felsenstein 84	[Bf:0.22 0.24 0.28 0.25, t/t ratio=2.000]
119	1	Felsenstein 84	[Bf:0.26 0.23 0.25 0.26, t/t ratio=2.000]
120	1	Felsenstein 84	[Bf:0.27 0.33 0.23 0.17, t/t ratio=2.000]
121	1	Felsenstein 84	[Bf:0.24 0.25 0.25 0.26, t/t ratio=2.000]
122	1	Felsenstein 84	[Bf:0.14 0.23 0.40 0.23, t/t ratio=2.000]
123	1	Felsenstein 84	[Bf:0.16 0.28 0.22 0.34, t/t ratio=2.000]
124	1	Felsenstein 84	[Bf:0.21 0.23 0.34 0.23, t/t ratio=2.000]

125	1	Felsenstein 84	[Bf:0.32 0.29 0.19 0.19, t/t ratio=2.000]
126	1	Felsenstein 84	[Bf:0.21 0.29 0.31 0.19, t/t ratio=2.000]
127	1	Felsenstein 84	[Bf:0.27 0.25 0.23 0.24, t/t ratio=2.000]
128	1	Felsenstein 84	[Bf:0.27 0.30 0.14 0.28, t/t ratio=2.000]
129	1	Felsenstein 84	[Bf:0.27 0.16 0.33 0.24, t/t ratio=2.000]
130	1	Felsenstein 84	[Bf:0.21 0.28 0.23 0.27, t/t ratio=2.000]
131	1	Felsenstein 84	[Bf:0.24 0.25 0.27 0.24, t/t ratio=2.000]
132	1	Felsenstein 84	[Bf:0.32 0.26 0.25 0.17, t/t ratio=2.000]
133	1	Felsenstein 84	[Bf:0.35 0.19 0.21 0.26, t/t ratio=2.000]
134	1	Felsenstein 84	[Bf:0.26 0.20 0.29 0.25, t/t ratio=2.000]
135	1	Felsenstein 84	[Bf:0.23 0.29 0.26 0.21, t/t ratio=2.000]
136	1	Felsenstein 84	[Bf:0.24 0.31 0.27 0.19, t/t ratio=2.000]
137	1	Felsenstein 84	[Bf:0.21 0.22 0.28 0.28, t/t ratio=2.000]
138	1	Felsenstein 84	[Bf:0.34 0.13 0.23 0.30, t/t ratio=2.000]
139	1	Felsenstein 84	[Bf:0.17 0.34 0.26 0.23, t/t ratio=2.000]
140	1	Felsenstein 84	[Bf:0.28 0.30 0.31 0.11, t/t ratio=2.000]
141	1	Felsenstein 84	[Bf:0.32 0.26 0.19 0.23, t/t ratio=2.000]
142	1	Felsenstein 84	[Bf:0.20 0.34 0.22 0.24, t/t ratio=2.000]
143	1	Felsenstein 84	[Bf:0.21 0.16 0.42 0.21, t/t ratio=2.000]
144	1	Felsenstein 84	[Bf:0.32 0.23 0.25 0.20, t/t ratio=2.000]
145	1	Felsenstein 84	[Bf:0.27 0.24 0.24 0.25, t/t ratio=2.000]
146	1	Felsenstein 84	[Bf:0.17 0.31 0.29 0.22, t/t ratio=2.000]
147	1	Felsenstein 84	[Bf:0.28 0.33 0.23 0.16, t/t ratio=2.000]
148	1	Felsenstein 84	[Bf:0.19 0.29 0.32 0.21, t/t ratio=2.000]
149	1	Felsenstein 84	[Bf:0.29 0.21 0.24 0.26, t/t ratio=2.000]
150	1	Felsenstein 84	[Bf:0.34 0.18 0.24 0.24, t/t ratio=2.000]
151	1	Felsenstein 84	[Bf:0.23 0.27 0.23 0.27, t/t ratio=2.000]
152	1	Felsenstein 84	[Bf:0.21 0.31 0.32 0.16, t/t ratio=2.000]
153	1	Felsenstein 84	[Bf:0.14 0.38 0.26 0.23, t/t ratio=2.000]
154	1	Felsenstein 84	[Bf:0.23 0.18 0.22 0.37, t/t ratio=2.000]
155	1	Felsenstein 84	[Bf:0.27 0.25 0.18 0.30, t/t ratio=2.000]
156	1	Felsenstein 84	[Bf:0.32 0.15 0.21 0.32, t/t ratio=2.000]
157	1	Felsenstein 84	[Bf:0.30 0.34 0.21 0.14, t/t ratio=2.000]
158	1	Felsenstein 84	[Bf:0.22 0.26 0.32 0.21, t/t ratio=2.000]
159	1	Felsenstein 84	[Bf:0.33 0.09 0.27 0.31, t/t ratio=2.000]
160	1	Felsenstein 84	[Bf:0.20 0.26 0.36 0.18, t/t ratio=2.000]
161	1	Felsenstein 84	[Bf:0.34 0.20 0.22 0.24, t/t ratio=2.000]
162	1	Felsenstein 84	[Bf:0.29 0.26 0.19 0.27, t/t ratio=2.000]
163	1	Felsenstein 84	[Bf:0.20 0.27 0.29 0.24, t/t ratio=2.000]
164	1	Felsenstein 84	[Bf:0.25 0.21 0.29 0.25, t/t ratio=2.000]
165	1	Felsenstein 84	[Bf:0.23 0.18 0.24 0.35, t/t ratio=2.000]
166	1	Felsenstein 84	[Bf:0.21 0.24 0.33 0.23, t/t ratio=2.000]
167	1	Felsenstein 84	[Bf:0.26 0.22 0.23 0.29, t/t ratio=2.000]
168	1	Felsenstein 84	[Bf:0.23 0.25 0.23 0.30, t/t ratio=2.000]
169	1	Felsenstein 84	[Bf:0.27 0.32 0.26 0.16, t/t ratio=2.000]

170	1	Felsenstein 84	[Bf:0.24 0.31 0.26 0.19, t/t ratio=2.000]
171	1	Felsenstein 84	[Bf:0.18 0.31 0.32 0.19, t/t ratio=2.000]
172	1	Felsenstein 84	[Bf:0.24 0.18 0.25 0.33, t/t ratio=2.000]
173	1	Felsenstein 84	[Bf:0.28 0.18 0.26 0.28, t/t ratio=2.000]
174	1	Felsenstein 84	[Bf:0.24 0.20 0.37 0.18, t/t ratio=2.000]
175	1	Felsenstein 84	[Bf:0.20 0.39 0.22 0.19, t/t ratio=2.000]
176	1	Felsenstein 84	[Bf:0.29 0.24 0.30 0.17, t/t ratio=2.000]
177	1	Felsenstein 84	[Bf:0.27 0.23 0.13 0.37, t/t ratio=2.000]
178	1	Felsenstein 84	[Bf:0.26 0.20 0.27 0.27, t/t ratio=2.000]
179	1	Felsenstein 84	[Bf:0.27 0.31 0.16 0.26, t/t ratio=2.000]
180	1	Felsenstein 84	[Bf:0.28 0.21 0.27 0.24, t/t ratio=2.000]
181	1	Felsenstein 84	[Bf:0.33 0.23 0.26 0.19, t/t ratio=2.000]
182	1	Felsenstein 84	[Bf:0.21 0.28 0.30 0.21, t/t ratio=2.000]
183	1	Felsenstein 84	[Bf:0.24 0.21 0.29 0.26, t/t ratio=2.000]
184	1	Felsenstein 84	[Bf:0.22 0.28 0.31 0.18, t/t ratio=2.000]
185	1	Felsenstein 84	[Bf:0.16 0.21 0.39 0.24, t/t ratio=2.000]
186	1	Felsenstein 84	[Bf:0.27 0.18 0.26 0.28, t/t ratio=2.000]
187	1	Felsenstein 84	[Bf:0.21 0.12 0.34 0.33, t/t ratio=2.000]
188	1	Felsenstein 84	[Bf:0.39 0.23 0.18 0.20, t/t ratio=2.000]
189	1	Felsenstein 84	[Bf:0.24 0.24 0.23 0.30, t/t ratio=2.000]
190	1	Felsenstein 84	[Bf:0.17 0.31 0.32 0.20, t/t ratio=2.000]
191	1	Felsenstein 84	[Bf:0.17 0.23 0.41 0.19, t/t ratio=2.000]
192	1	Felsenstein 84	[Bf:0.26 0.27 0.17 0.30, t/t ratio=2.000]
193	1	Felsenstein 84	[Bf:0.21 0.28 0.30 0.21, t/t ratio=2.000]
194	1	Felsenstein 84	[Bf:0.24 0.31 0.20 0.25, t/t ratio=2.000]
195	1	Felsenstein 84	[Bf:0.28 0.21 0.23 0.28, t/t ratio=2.000]
196	1	Felsenstein 84	[Bf:0.27 0.25 0.22 0.26, t/t ratio=2.000]
197	1	Felsenstein 84	[Bf:0.26 0.21 0.32 0.22, t/t ratio=2.000]
198	1	Felsenstein 84	[Bf:0.19 0.23 0.32 0.25, t/t ratio=2.000]
199	1	Felsenstein 84	[Bf:0.22 0.34 0.31 0.13, t/t ratio=2.000]
200	1	Felsenstein 84	[Bf:0.29 0.19 0.24 0.29, t/t ratio=2.000]
201	1	Felsenstein 84	[Bf:0.25 0.26 0.18 0.31, t/t ratio=2.000]
202	1	Felsenstein 84	[Bf:0.21 0.29 0.35 0.16, t/t ratio=2.000]
203	1	Felsenstein 84	[Bf:0.26 0.28 0.26 0.20, t/t ratio=2.000]
204	1	Felsenstein 84	[Bf:0.20 0.32 0.20 0.28, t/t ratio=2.000]
205	1	Felsenstein 84	[Bf:0.22 0.29 0.28 0.21, t/t ratio=2.000]
206	1	Felsenstein 84	[Bf:0.29 0.25 0.23 0.24, t/t ratio=2.000]
207	1	Felsenstein 84	[Bf:0.26 0.28 0.30 0.16, t/t ratio=2.000]
208	1	Felsenstein 84	[Bf:0.32 0.25 0.21 0.23, t/t ratio=2.000]
209	1	Felsenstein 84	[Bf:0.30 0.22 0.30 0.18, t/t ratio=2.000]
210	1	Felsenstein 84	[Bf:0.27 0.20 0.26 0.26, t/t ratio=2.000]
211	1	Felsenstein 84	[Bf:0.14 0.31 0.35 0.20, t/t ratio=2.000]
212	1	Felsenstein 84	[Bf:0.22 0.25 0.23 0.30, t/t ratio=2.000]
213	1	Felsenstein 84	[Bf:0.17 0.37 0.28 0.18, t/t ratio=2.000]
214	1	Felsenstein 84	[Bf:0.21 0.27 0.23 0.29, t/t ratio=2.000]



215	1	Felsenstein 84	[Bf:0.22 0.24 0.31 0.23, t/t ratio=2.000]
216	1	Felsenstein 84	[Bf:0.21 0.28 0.33 0.19, t/t ratio=2.000]
217	1	Felsenstein 84	[Bf:0.17 0.23 0.30 0.30, t/t ratio=2.000]
218	1	Felsenstein 84	[Bf:0.31 0.22 0.23 0.23, t/t ratio=2.000]
219	1	Felsenstein 84	[Bf:0.20 0.25 0.27 0.28, t/t ratio=2.000]
220	1	Felsenstein 84	[Bf:0.26 0.23 0.18 0.32, t/t ratio=2.000]
221	1	Felsenstein 84	[Bf:0.26 0.25 0.33 0.16, t/t ratio=2.000]
222	1	Felsenstein 84	[Bf:0.24 0.29 0.29 0.17, t/t ratio=2.000]
223	1	Felsenstein 84	[Bf:0.20 0.29 0.29 0.22, t/t ratio=2.000]
224	1	Felsenstein 84	[Bf:0.29 0.29 0.22 0.21, t/t ratio=2.000]
225	1	Felsenstein 84	[Bf:0.21 0.28 0.34 0.16, t/t ratio=2.000]
226	1	Felsenstein 84	[Bf:0.16 0.28 0.35 0.21, t/t ratio=2.000]
227	1	Felsenstein 84	[Bf:0.26 0.16 0.41 0.16, t/t ratio=2.000]
228	1	Felsenstein 84	[Bf:0.24 0.21 0.21 0.33, t/t ratio=2.000]
229	1	Felsenstein 84	[Bf:0.27 0.20 0.24 0.29, t/t ratio=2.000]
230	1	Felsenstein 84	[Bf:0.17 0.29 0.26 0.29, t/t ratio=2.000]
231	1	Felsenstein 84	[Bf:0.29 0.27 0.15 0.29, t/t ratio=2.000]
232	1	Felsenstein 84	[Bf:0.19 0.33 0.17 0.31, t/t ratio=2.000]
233	1	Felsenstein 84	[Bf:0.16 0.31 0.30 0.23, t/t ratio=2.000]
234	1	Felsenstein 84	[Bf:0.14 0.21 0.38 0.27, t/t ratio=2.000]
235	1	Felsenstein 84	[Bf:0.25 0.32 0.21 0.23, t/t ratio=2.000]
236	1	Felsenstein 84	[Bf:0.17 0.26 0.38 0.18, t/t ratio=2.000]
237	1	Felsenstein 84	[Bf:0.32 0.24 0.15 0.28, t/t ratio=2.000]
238	1	Felsenstein 84	[Bf:0.24 0.20 0.24 0.31, t/t ratio=2.000]
239	1	Felsenstein 84	[Bf:0.24 0.26 0.17 0.32, t/t ratio=2.000]
240	1	Felsenstein 84	[Bf:0.25 0.24 0.21 0.30, t/t ratio=2.000]
241	1	Felsenstein 84	[Bf:0.29 0.27 0.30 0.14, t/t ratio=2.000]
242	1	Felsenstein 84	[Bf:0.17 0.32 0.28 0.23, t/t ratio=2.000]
243	1	Felsenstein 84	[Bf:0.30 0.23 0.20 0.26, t/t ratio=2.000]
244	1	Felsenstein 84	[Bf:0.21 0.24 0.33 0.22, t/t ratio=2.000]
245	1	Felsenstein 84	[Bf:0.18 0.26 0.37 0.18, t/t ratio=2.000]
246	1	Felsenstein 84	[Bf:0.25 0.25 0.21 0.29, t/t ratio=2.000]
247	1	Felsenstein 84	[Bf:0.23 0.33 0.22 0.22, t/t ratio=2.000]
248	1	Felsenstein 84	[Bf:0.23 0.21 0.28 0.28, t/t ratio=2.000]
249	1	Felsenstein 84	[Bf:0.36 0.14 0.34 0.17, t/t ratio=2.000]
250	1	Felsenstein 84	[Bf:0.26 0.31 0.26 0.18, t/t ratio=2.000]
251	1	Felsenstein 84	[Bf:0.20 0.33 0.31 0.16, t/t ratio=2.000]
252	1	Felsenstein 84	[Bf:0.29 0.20 0.23 0.29, t/t ratio=2.000]
253	1	Felsenstein 84	[Bf:0.23 0.28 0.23 0.26, t/t ratio=2.000]
254	1	Felsenstein 84	[Bf:0.21 0.22 0.26 0.30, t/t ratio=2.000]
255	1	Felsenstein 84	[Bf:0.22 0.28 0.33 0.17, t/t ratio=2.000]
256	1	Felsenstein 84	[Bf:0.20 0.27 0.19 0.34, t/t ratio=2.000]
257	1	Felsenstein 84	[Bf:0.19 0.29 0.29 0.23, t/t ratio=2.000]
258	1	Felsenstein 84	[Bf:0.23 0.25 0.35 0.17, t/t ratio=2.000]
259	1	Felsenstein 84	[Bf:0.32 0.24 0.23 0.21, t/t ratio=2.000]

260	1	Felsenstein 84	[Bf:0.15 0.32 0.34 0.19, t/t ratio=2.000]
261	1	Felsenstein 84	[Bf:0.24 0.26 0.32 0.17, t/t ratio=2.000]
262	1	Felsenstein 84	[Bf:0.24 0.31 0.26 0.20, t/t ratio=2.000]
263	1	Felsenstein 84	[Bf:0.33 0.16 0.26 0.26, t/t ratio=2.000]
264	1	Felsenstein 84	[Bf:0.31 0.19 0.31 0.18, t/t ratio=2.000]
265	1	Felsenstein 84	[Bf:0.17 0.24 0.33 0.26, t/t ratio=2.000]
266	1	Felsenstein 84	[Bf:0.25 0.22 0.39 0.15, t/t ratio=2.000]
267	1	Felsenstein 84	[Bf:0.31 0.18 0.26 0.25, t/t ratio=2.000]
268	1	Felsenstein 84	[Bf:0.16 0.30 0.18 0.35, t/t ratio=2.000]
269	1	Felsenstein 84	[Bf:0.22 0.25 0.24 0.29, t/t ratio=2.000]
270	1	Felsenstein 84	[Bf:0.33 0.24 0.21 0.23, t/t ratio=2.000]
271	1	Felsenstein 84	[Bf:0.21 0.35 0.20 0.24, t/t ratio=2.000]
272	1	Felsenstein 84	[Bf:0.36 0.09 0.39 0.15, t/t ratio=2.000]
273	1	Felsenstein 84	[Bf:0.26 0.17 0.36 0.21, t/t ratio=2.000]
274	1	Felsenstein 84	[Bf:0.25 0.33 0.19 0.23, t/t ratio=2.000]
275	1	Felsenstein 84	[Bf:0.24 0.17 0.31 0.28, t/t ratio=2.000]
276	1	Felsenstein 84	[Bf:0.21 0.20 0.23 0.35, t/t ratio=2.000]
277	1	Felsenstein 84	[Bf:0.27 0.24 0.22 0.27, t/t ratio=2.000]
278	1	Felsenstein 84	[Bf:0.21 0.23 0.28 0.28, t/t ratio=2.000]
279	1	Felsenstein 84	[Bf:0.27 0.22 0.29 0.22, t/t ratio=2.000]
280	1	Felsenstein 84	[Bf:0.33 0.18 0.23 0.25, t/t ratio=2.000]
281	1	Felsenstein 84	[Bf:0.26 0.24 0.22 0.28, t/t ratio=2.000]
282	1	Felsenstein 84	[Bf:0.17 0.37 0.27 0.19, t/t ratio=2.000]
283	1	Felsenstein 84	[Bf:0.19 0.39 0.22 0.19, t/t ratio=2.000]
284	1	Felsenstein 84	[Bf:0.24 0.20 0.38 0.19, t/t ratio=2.000]
285	1	Felsenstein 84	[Bf:0.16 0.24 0.38 0.21, t/t ratio=2.000]
286	1	Felsenstein 84	[Bf:0.21 0.31 0.21 0.26, t/t ratio=2.000]
287	1	Felsenstein 84	[Bf:0.31 0.19 0.30 0.21, t/t ratio=2.000]
288	1	Felsenstein 84	[Bf:0.24 0.26 0.28 0.22, t/t ratio=2.000]
289	1	Felsenstein 84	[Bf:0.28 0.18 0.17 0.37, t/t ratio=2.000]
290	1	Felsenstein 84	[Bf:0.29 0.19 0.26 0.26, t/t ratio=2.000]
291	1	Felsenstein 84	[Bf:0.18 0.20 0.30 0.32, t/t ratio=2.000]
292	1	Felsenstein 84	[Bf:0.19 0.29 0.31 0.22, t/t ratio=2.000]
293	1	Felsenstein 84	[Bf:0.28 0.18 0.26 0.28, t/t ratio=2.000]
294	1	Felsenstein 84	[Bf:0.27 0.29 0.26 0.18, t/t ratio=2.000]
295	1	Felsenstein 84	[Bf:0.25 0.21 0.31 0.24, t/t ratio=2.000]
296	1	Felsenstein 84	[Bf:0.21 0.30 0.30 0.19, t/t ratio=2.000]
297	1	Felsenstein 84	[Bf:0.31 0.17 0.24 0.29, t/t ratio=2.000]
298	1	Felsenstein 84	[Bf:0.21 0.28 0.33 0.19, t/t ratio=2.000]
299	1	Felsenstein 84	[Bf:0.20 0.24 0.36 0.20, t/t ratio=2.000]
300	1	Felsenstein 84	[Bf:0.22 0.29 0.26 0.22, t/t ratio=2.000]
301	1	Felsenstein 84	[Bf:0.28 0.24 0.22 0.26, t/t ratio=2.000]
302	1	Felsenstein 84	[Bf:0.21 0.31 0.23 0.25, t/t ratio=2.000]
303	1	Felsenstein 84	[Bf:0.15 0.36 0.32 0.17, t/t ratio=2.000]
304	1	Felsenstein 84	[Bf:0.27 0.28 0.28 0.17, t/t ratio=2.000]

305	1	Felsenstein 84	[Bf:0.21 0.26 0.27 0.26, t/t ratio=2.000]
306	1	Felsenstein 84	[Bf:0.14 0.37 0.33 0.16, t/t ratio=2.000]
307	1	Felsenstein 84	[Bf:0.22 0.23 0.28 0.28, t/t ratio=2.000]
308	1	Felsenstein 84	[Bf:0.25 0.26 0.26 0.22, t/t ratio=2.000]
309	1	Felsenstein 84	[Bf:0.27 0.28 0.26 0.19, t/t ratio=2.000]
310	1	Felsenstein 84	[Bf:0.27 0.29 0.23 0.21, t/t ratio=2.000]
311	1	Felsenstein 84	[Bf:0.28 0.24 0.29 0.20, t/t ratio=2.000]
312	1	Felsenstein 84	[Bf:0.24 0.19 0.30 0.27, t/t ratio=2.000]
313	1	Felsenstein 84	[Bf:0.27 0.31 0.23 0.19, t/t ratio=2.000]
314	1	Felsenstein 84	[Bf:0.35 0.18 0.24 0.23, t/t ratio=2.000]
315	1	Felsenstein 84	[Bf:0.16 0.25 0.36 0.23, t/t ratio=2.000]
316	1	Felsenstein 84	[Bf:0.20 0.26 0.22 0.32, t/t ratio=2.000]
317	1	Felsenstein 84	[Bf:0.32 0.15 0.25 0.28, t/t ratio=2.000]
318	1	Felsenstein 84	[Bf:0.19 0.23 0.31 0.28, t/t ratio=2.000]
319	1	Felsenstein 84	[Bf:0.17 0.30 0.28 0.24, t/t ratio=2.000]
320	1	Felsenstein 84	[Bf:0.26 0.22 0.27 0.26, t/t ratio=2.000]
321	1	Felsenstein 84	[Bf:0.26 0.26 0.27 0.20, t/t ratio=2.000]
322	1	Felsenstein 84	[Bf:0.19 0.26 0.32 0.24, t/t ratio=2.000]
323	1	Felsenstein 84	[Bf:0.29 0.17 0.31 0.23, t/t ratio=2.000]
324	1	Felsenstein 84	[Bf:0.23 0.29 0.30 0.18, t/t ratio=2.000]
325	1	Felsenstein 84	[Bf:0.16 0.29 0.31 0.24, t/t ratio=2.000]
326	1	Felsenstein 84	[Bf:0.25 0.29 0.25 0.21, t/t ratio=2.000]
327	1	Felsenstein 84	[Bf:0.26 0.26 0.25 0.23, t/t ratio=2.000]
328	1	Felsenstein 84	[Bf:0.19 0.30 0.30 0.21, t/t ratio=2.000]
329	1	Felsenstein 84	[Bf:0.16 0.28 0.34 0.21, t/t ratio=2.000]
330	1	Felsenstein 84	[Bf:0.24 0.30 0.27 0.19, t/t ratio=2.000]
331	1	Felsenstein 84	[Bf:0.11 0.38 0.34 0.17, t/t ratio=2.000]
332	1	Felsenstein 84	[Bf:0.29 0.18 0.27 0.26, t/t ratio=2.000]
333	1	Felsenstein 84	[Bf:0.28 0.28 0.25 0.19, t/t ratio=2.000]
334	1	Felsenstein 84	[Bf:0.19 0.28 0.28 0.25, t/t ratio=2.000]
335	1	Felsenstein 84	[Bf:0.25 0.29 0.19 0.27, t/t ratio=2.000]
336	1	Felsenstein 84	[Bf:0.18 0.22 0.41 0.19, t/t ratio=2.000]
337	1	Felsenstein 84	[Bf:0.13 0.42 0.26 0.19, t/t ratio=2.000]
338	1	Felsenstein 84	[Bf:0.21 0.25 0.29 0.24, t/t ratio=2.000]
339	1	Felsenstein 84	[Bf:0.25 0.25 0.35 0.15, t/t ratio=2.000]
340	1	Felsenstein 84	[Bf:0.24 0.22 0.26 0.28, t/t ratio=2.000]
341	1	Felsenstein 84	[Bf:0.30 0.24 0.28 0.19, t/t ratio=2.000]
342	1	Felsenstein 84	[Bf:0.19 0.24 0.35 0.22, t/t ratio=2.000]
343	1	Felsenstein 84	[Bf:0.19 0.32 0.31 0.17, t/t ratio=2.000]
344	1	Felsenstein 84	[Bf:0.34 0.22 0.19 0.25, t/t ratio=2.000]
345	1	Felsenstein 84	[Bf:0.23 0.25 0.24 0.27, t/t ratio=2.000]
346	1	Felsenstein 84	[Bf:0.23 0.23 0.28 0.26, t/t ratio=2.000]
347	1	Felsenstein 84	[Bf:0.28 0.14 0.23 0.35, t/t ratio=2.000]
348	1	Felsenstein 84	[Bf:0.21 0.30 0.34 0.15, t/t ratio=2.000]
349	1	Felsenstein 84	[Bf:0.22 0.30 0.30 0.18, t/t ratio=2.000]

350	1	Felsenstein 84	[Bf:0.26 0.25 0.20 0.29, t/t ratio=2.000]
351	1	Felsenstein 84	[Bf:0.23 0.33 0.25 0.20, t/t ratio=2.000]
352	1	Felsenstein 84	[Bf:0.26 0.23 0.25 0.26, t/t ratio=2.000]
353	1	Felsenstein 84	[Bf:0.23 0.27 0.29 0.22, t/t ratio=2.000]
354	1	Felsenstein 84	[Bf:0.30 0.27 0.20 0.24, t/t ratio=2.000]
355	1	Felsenstein 84	[Bf:0.26 0.15 0.28 0.31, t/t ratio=2.000]
356	1	Felsenstein 84	[Bf:0.26 0.26 0.27 0.21, t/t ratio=2.000]
357	1	Felsenstein 84	[Bf:0.22 0.31 0.24 0.23, t/t ratio=2.000]
358	1	Felsenstein 84	[Bf:0.24 0.21 0.37 0.18, t/t ratio=2.000]
359	1	Felsenstein 84	[Bf:0.27 0.24 0.28 0.20, t/t ratio=2.000]
360	1	Felsenstein 84	[Bf:0.30 0.21 0.27 0.23, t/t ratio=2.000]
361	1	Felsenstein 84	[Bf:0.21 0.33 0.33 0.13, t/t ratio=2.000]
362	1	Felsenstein 84	[Bf:0.36 0.25 0.18 0.21, t/t ratio=2.000]
363	1	Felsenstein 84	[Bf:0.28 0.16 0.33 0.23, t/t ratio=2.000]
364	1	Felsenstein 84	[Bf:0.16 0.34 0.30 0.20, t/t ratio=2.000]
365	1	Felsenstein 84	[Bf:0.22 0.34 0.22 0.21, t/t ratio=2.000]
366	1	Felsenstein 84	[Bf:0.21 0.30 0.31 0.18, t/t ratio=2.000]
367	1	Felsenstein 84	[Bf:0.26 0.19 0.26 0.29, t/t ratio=2.000]
368	1	Felsenstein 84	[Bf:0.18 0.29 0.29 0.24, t/t ratio=2.000]
369	1	Felsenstein 84	[Bf:0.23 0.19 0.43 0.15, t/t ratio=2.000]
370	1	Felsenstein 84	[Bf:0.20 0.28 0.18 0.34, t/t ratio=2.000]
371	1	Felsenstein 84	[Bf:0.26 0.21 0.21 0.33, t/t ratio=2.000]
372	1	Felsenstein 84	[Bf:0.29 0.20 0.22 0.29, t/t ratio=2.000]
373	1	Felsenstein 84	[Bf:0.37 0.11 0.23 0.28, t/t ratio=2.000]
374	1	Felsenstein 84	[Bf:0.26 0.34 0.25 0.15, t/t ratio=2.000]
375	1	Felsenstein 84	[Bf:0.24 0.31 0.23 0.22, t/t ratio=2.000]
376	1	Felsenstein 84	[Bf:0.18 0.19 0.47 0.16, t/t ratio=2.000]
377	1	Felsenstein 84	[Bf:0.29 0.20 0.21 0.30, t/t ratio=2.000]
378	1	Felsenstein 84	[Bf:0.32 0.17 0.35 0.17, t/t ratio=2.000]
379	1	Felsenstein 84	[Bf:0.19 0.30 0.34 0.17, t/t ratio=2.000]
380	1	Felsenstein 84	[Bf:0.27 0.25 0.20 0.28, t/t ratio=2.000]
381	1	Felsenstein 84	[Bf:0.13 0.28 0.36 0.23, t/t ratio=2.000]
382	1	Felsenstein 84	[Bf:0.26 0.15 0.34 0.25, t/t ratio=2.000]
383	1	Felsenstein 84	[Bf:0.19 0.32 0.29 0.21, t/t ratio=2.000]
384	1	Felsenstein 84	[Bf:0.32 0.13 0.38 0.17, t/t ratio=2.000]
385	1	Felsenstein 84	[Bf:0.15 0.35 0.34 0.15, t/t ratio=2.000]
386	1	Felsenstein 84	[Bf:0.18 0.39 0.27 0.16, t/t ratio=2.000]
387	1	Felsenstein 84	[Bf:0.33 0.14 0.21 0.31, t/t ratio=2.000]
388	1	Felsenstein 84	[Bf:0.25 0.21 0.26 0.28, t/t ratio=2.000]
389	1	Felsenstein 84	[Bf:0.30 0.19 0.23 0.28, t/t ratio=2.000]
390	1	Felsenstein 84	[Bf:0.30 0.19 0.25 0.26, t/t ratio=2.000]
391	1	Felsenstein 84	[Bf:0.20 0.23 0.27 0.30, t/t ratio=2.000]
392	1	Felsenstein 84	[Bf:0.20 0.25 0.32 0.23, t/t ratio=2.000]
393	1	Felsenstein 84	[Bf:0.18 0.21 0.29 0.31, t/t ratio=2.000]
394	1	Felsenstein 84	[Bf:0.20 0.27 0.24 0.29, t/t ratio=2.000]

395	1	Felsenstein 84	[Bf:0.24 0.23 0.26 0.28, t/t ratio=2.000]
396	1	Felsenstein 84	[Bf:0.33 0.24 0.20 0.23, t/t ratio=2.000]
397	1	Felsenstein 84	[Bf:0.13 0.31 0.32 0.23, t/t ratio=2.000]
398	1	Felsenstein 84	[Bf:0.26 0.30 0.30 0.14, t/t ratio=2.000]
399	1	Felsenstein 84	[Bf:0.23 0.23 0.24 0.30, t/t ratio=2.000]
400	1	Felsenstein 84	[Bf:0.30 0.21 0.21 0.28, t/t ratio=2.000]
401	1	Felsenstein 84	[Bf:0.24 0.24 0.18 0.34, t/t ratio=2.000]
402	1	Felsenstein 84	[Bf:0.19 0.30 0.25 0.27, t/t ratio=2.000]
403	1	Felsenstein 84	[Bf:0.24 0.23 0.25 0.29, t/t ratio=2.000]
404	1	Felsenstein 84	[Bf:0.22 0.23 0.23 0.32, t/t ratio=2.000]
405	1	Felsenstein 84	[Bf:0.25 0.25 0.26 0.23, t/t ratio=2.000]
406	1	Felsenstein 84	[Bf:0.18 0.29 0.26 0.27, t/t ratio=2.000]
407	1	Felsenstein 84	[Bf:0.20 0.30 0.30 0.21, t/t ratio=2.000]
408	1	Felsenstein 84	[Bf:0.32 0.18 0.12 0.38, t/t ratio=2.000]
409	1	Felsenstein 84	[Bf:0.17 0.21 0.31 0.32, t/t ratio=2.000]
410	1	Felsenstein 84	[Bf:0.24 0.25 0.30 0.22, t/t ratio=2.000]
411	1	Felsenstein 84	[Bf:0.21 0.25 0.25 0.29, t/t ratio=2.000]
412	1	Felsenstein 84	[Bf:0.24 0.30 0.29 0.16, t/t ratio=2.000]
413	1	Felsenstein 84	[Bf:0.31 0.17 0.23 0.29, t/t ratio=2.000]
414	1	Felsenstein 84	[Bf:0.30 0.24 0.25 0.21, t/t ratio=2.000]
415	1	Felsenstein 84	[Bf:0.14 0.35 0.32 0.18, t/t ratio=2.000]
416	1	Felsenstein 84	[Bf:0.25 0.19 0.17 0.39, t/t ratio=2.000]
417	1	Felsenstein 84	[Bf:0.17 0.34 0.29 0.19, t/t ratio=2.000]
418	1	Felsenstein 84	[Bf:0.18 0.29 0.38 0.15, t/t ratio=2.000]
419	1	Felsenstein 84	[Bf:0.24 0.26 0.26 0.24, t/t ratio=2.000]
420	1	Felsenstein 84	[Bf:0.19 0.34 0.28 0.19, t/t ratio=2.000]
421	1	Felsenstein 84	[Bf:0.22 0.25 0.29 0.24, t/t ratio=2.000]
422	1	Felsenstein 84	[Bf:0.18 0.26 0.23 0.33, t/t ratio=2.000]
423	1	Felsenstein 84	[Bf:0.27 0.29 0.22 0.22, t/t ratio=2.000]
424	1	Felsenstein 84	[Bf:0.21 0.25 0.28 0.26, t/t ratio=2.000]
425	1	Felsenstein 84	[Bf:0.32 0.14 0.23 0.32, t/t ratio=2.000]
426	1	Felsenstein 84	[Bf:0.16 0.26 0.30 0.28, t/t ratio=2.000]
427	1	Felsenstein 84	[Bf:0.20 0.23 0.38 0.19, t/t ratio=2.000]
428	1	Felsenstein 84	[Bf:0.21 0.29 0.26 0.24, t/t ratio=2.000]
429	1	Felsenstein 84	[Bf:0.27 0.27 0.27 0.19, t/t ratio=2.000]
430	1	Felsenstein 84	[Bf:0.21 0.21 0.27 0.31, t/t ratio=2.000]
431	1	Felsenstein 84	[Bf:0.23 0.25 0.28 0.24, t/t ratio=2.000]
432	1	Felsenstein 84	[Bf:0.24 0.21 0.26 0.29, t/t ratio=2.000]
433	1	Felsenstein 84	[Bf:0.23 0.21 0.35 0.21, t/t ratio=2.000]
434	1	Felsenstein 84	[Bf:0.26 0.24 0.25 0.24, t/t ratio=2.000]
435	1	Felsenstein 84	[Bf:0.23 0.25 0.26 0.26, t/t ratio=2.000]
436	1	Felsenstein 84	[Bf:0.25 0.14 0.33 0.28, t/t ratio=2.000]
437	1	Felsenstein 84	[Bf:0.19 0.27 0.21 0.33, t/t ratio=2.000]
438	1	Felsenstein 84	[Bf:0.23 0.29 0.29 0.19, t/t ratio=2.000]
439	1	Felsenstein 84	[Bf:0.26 0.27 0.26 0.21, t/t ratio=2.000]

440	1	Felsenstein 84	[Bf:0.14 0.27 0.31 0.29, t/t ratio=2.000]
441	1	Felsenstein 84	[Bf:0.15 0.37 0.21 0.27, t/t ratio=2.000]
442	1	Felsenstein 84	[Bf:0.19 0.20 0.29 0.32, t/t ratio=2.000]
443	1	Felsenstein 84	[Bf:0.15 0.29 0.27 0.29, t/t ratio=2.000]
444	1	Felsenstein 84	[Bf:0.16 0.24 0.34 0.26, t/t ratio=2.000]
445	1	Felsenstein 84	[Bf:0.24 0.24 0.22 0.30, t/t ratio=2.000]
446	1	Felsenstein 84	[Bf:0.33 0.21 0.26 0.20, t/t ratio=2.000]
447	1	Felsenstein 84	[Bf:0.14 0.28 0.30 0.28, t/t ratio=2.000]
448	1	Felsenstein 84	[Bf:0.37 0.18 0.22 0.23, t/t ratio=2.000]
449	1	Felsenstein 84	[Bf:0.21 0.25 0.34 0.20, t/t ratio=2.000]
450	1	Felsenstein 84	[Bf:0.28 0.25 0.27 0.20, t/t ratio=2.000]
451	1	Felsenstein 84	[Bf:0.26 0.30 0.26 0.18, t/t ratio=2.000]
452	1	Felsenstein 84	[Bf:0.28 0.18 0.21 0.33, t/t ratio=2.000]
453	1	Felsenstein 84	[Bf:0.16 0.28 0.26 0.29, t/t ratio=2.000]
454	1	Felsenstein 84	[Bf:0.23 0.32 0.26 0.19, t/t ratio=2.000]
455	1	Felsenstein 84	[Bf:0.15 0.21 0.41 0.22, t/t ratio=2.000]
456	1	Felsenstein 84	[Bf:0.31 0.24 0.27 0.17, t/t ratio=2.000]
457	1	Felsenstein 84	[Bf:0.25 0.24 0.25 0.25, t/t ratio=2.000]
458	1	Felsenstein 84	[Bf:0.12 0.30 0.31 0.26, t/t ratio=2.000]
459	1	Felsenstein 84	[Bf:0.26 0.16 0.46 0.11, t/t ratio=2.000]
460	1	Felsenstein 84	[Bf:0.16 0.24 0.30 0.30, t/t ratio=2.000]
461	1	Felsenstein 84	[Bf:0.25 0.21 0.25 0.28, t/t ratio=2.000]
462	1	Felsenstein 84	[Bf:0.27 0.10 0.32 0.31, t/t ratio=2.000]
463	1	Felsenstein 84	[Bf:0.35 0.18 0.21 0.26, t/t ratio=2.000]
464	1	Felsenstein 84	[Bf:0.28 0.29 0.22 0.21, t/t ratio=2.000]
465	1	Felsenstein 84	[Bf:0.28 0.21 0.27 0.24, t/t ratio=2.000]
466	1	Felsenstein 84	[Bf:0.19 0.33 0.23 0.26, t/t ratio=2.000]
467	1	Felsenstein 84	[Bf:0.21 0.18 0.25 0.36, t/t ratio=2.000]
468	1	Felsenstein 84	[Bf:0.21 0.21 0.31 0.27, t/t ratio=2.000]
469	1	Felsenstein 84	[Bf:0.19 0.30 0.28 0.23, t/t ratio=2.000]
470	1	Felsenstein 84	[Bf:0.29 0.19 0.24 0.28, t/t ratio=2.000]
471	1	Felsenstein 84	[Bf:0.20 0.22 0.20 0.38, t/t ratio=2.000]
472	1	Felsenstein 84	[Bf:0.24 0.26 0.21 0.29, t/t ratio=2.000]
473	1	Felsenstein 84	[Bf:0.25 0.22 0.23 0.30, t/t ratio=2.000]
474	1	Felsenstein 84	[Bf:0.20 0.34 0.26 0.21, t/t ratio=2.000]
475	1	Felsenstein 84	[Bf:0.13 0.24 0.11 0.52, t/t ratio=2.000]
476	1	Felsenstein 84	[Bf:0.19 0.27 0.32 0.22, t/t ratio=2.000]
477	1	Felsenstein 84	[Bf:0.40 0.12 0.37 0.11, t/t ratio=2.000]
478	1	Felsenstein 84	[Bf:0.25 0.23 0.23 0.29, t/t ratio=2.000]
479	1	Felsenstein 84	[Bf:0.14 0.30 0.35 0.21, t/t ratio=2.000]
480	1	Felsenstein 84	[Bf:0.24 0.25 0.26 0.25, t/t ratio=2.000]
481	1	Felsenstein 84	[Bf:0.29 0.26 0.27 0.18, t/t ratio=2.000]
482	1	Felsenstein 84	[Bf:0.19 0.36 0.26 0.18, t/t ratio=2.000]
483	1	Felsenstein 84	[Bf:0.39 0.21 0.23 0.16, t/t ratio=2.000]
484	1	Felsenstein 84	[Bf:0.13 0.26 0.40 0.21, t/t ratio=2.000]

485	1	Felsenstein 84	[Bf:0.16 0.34 0.25 0.25, t/t ratio=2.000]
486	1	Felsenstein 84	[Bf:0.23 0.26 0.18 0.33, t/t ratio=2.000]
487	1	Felsenstein 84	[Bf:0.20 0.27 0.32 0.22, t/t ratio=2.000]
488	1	Felsenstein 84	[Bf:0.23 0.24 0.35 0.18, t/t ratio=2.000]
489	1	Felsenstein 84	[Bf:0.20 0.25 0.27 0.28, t/t ratio=2.000]
490	1	Felsenstein 84	[Bf:0.24 0.26 0.29 0.21, t/t ratio=2.000]
491	1	Felsenstein 84	[Bf:0.18 0.37 0.28 0.17, t/t ratio=2.000]
492	1	Felsenstein 84	[Bf:0.31 0.21 0.30 0.18, t/t ratio=2.000]
493	1	Felsenstein 84	[Bf:0.36 0.18 0.27 0.19, t/t ratio=2.000]
494	1	Felsenstein 84	[Bf:0.20 0.14 0.26 0.39, t/t ratio=2.000]
495	1	Felsenstein 84	[Bf:0.31 0.26 0.15 0.28, t/t ratio=2.000]
496	1	Felsenstein 84	[Bf:0.13 0.38 0.26 0.24, t/t ratio=2.000]
497	1	Felsenstein 84	[Bf:0.26 0.14 0.35 0.26, t/t ratio=2.000]
498	1	Felsenstein 84	[Bf:0.22 0.26 0.30 0.23, t/t ratio=2.000]
499	1	Felsenstein 84	[Bf:0.30 0.25 0.24 0.21, t/t ratio=2.000]
500	1	Felsenstein 84	[Bf:0.20 0.29 0.30 0.21, t/t ratio=2.000]

Data set was subsampled: used a random sample of size:

5

#### Sites per locus

Locus	Sites
1	141
2	140
3	140
4	141
5	141
6	140
7	140
8	140
9	140
10	141
11	140
12	140
13	141
14	140
15	140
16	141
17	141
18	141
19	140
20	140
21	141
22	140
23	140

24	141
25	140
26	140
27	140
28	141
29	140
30	140
31	140
32	140
33	140
34	141
35	140
36	140
37	144
38	141
39	140
40	141
41	140
42	140
43	146
44	141
45	140
46	140
47	140
48	141
49	140
50	140
51	141
52	140
53	141
54	140
55	140
56	140
57	140
58	140
59	140
60	143
61	141
62	141
63	141
64	140
65	140
66	141
67	140
68	140



69	141
70	142
71	141
72	140
73	141
74	140
75	140
76	141
77	140
78	140
79	140
80	141
81	141
82	140
83	143
84	147
85	141
86	141
87	140
88	140
89	148
90	140
91	141
92	140
93	140
94	141
95	140
96	140
97	140
98	142
99	140
100	141
101	140
102	140
103	140
104	140
105	140
106	140
107	140
108	147
109	141
110	140
111	140
112	140
113	140

114	141
115	140
116	140
117	147
118	140
119	140
120	141
121	140
122	142
123	140
124	141
125	141
126	140
127	143
128	140
129	142
130	141
131	140
132	140
133	141
134	140
135	141
136	140
137	141
138	141
139	140
140	140
141	141
142	140
143	141
144	141
145	143
146	140
147	140
148	140
149	140
150	140
151	141
152	141
153	140
154	141
155	141
156	140
157	141
158	140

159	140
160	141
161	140
162	140
163	140
164	140
165	140
166	140
167	141
168	141
169	140
170	140
171	140
172	141
173	141
174	140
175	140
176	141
177	141
178	141
179	140
180	141
181	140
182	141
183	140
184	144
185	140
186	142
187	141
188	140
189	140
190	141
191	141
192	140
193	140
194	141
195	141
196	142
197	141
198	141
199	144
200	140
201	140
202	141
203	141

204	140
205	141
206	140
207	141
208	140
209	141
210	142
211	143
212	140
213	143
214	140
215	141
216	141
217	141
218	140
219	140
220	140
221	141
222	140
223	140
224	140
225	140
226	140
227	140
228	140
229	140
230	141
231	140
232	141
233	140
234	140
235	141
236	141
237	141
238	141
239	140
240	141
241	141
242	141
243	141
244	141
245	141
246	141
247	140
248	140

249	140
250	141
251	140
252	140
253	141
254	140
255	141
256	142
257	140
258	140
259	140
260	140
261	140
262	140
263	141
264	140
265	140
266	140
267	140
268	141
269	140
270	150
271	140
272	143
273	140
274	140
275	141
276	141
277	141
278	141
279	140
280	141
281	141
282	141
283	140
284	140
285	140
286	140
287	140
288	141
289	145
290	140
291	140
292	140
293	141

294	140
295	140
296	140
297	140
298	141
299	141
300	140
301	140
302	140
303	140
304	140
305	140
306	141
307	141
308	140
309	141
310	140
311	140
312	141
313	141
314	141
315	140
316	140
317	140
318	141
319	141
320	141
321	140
322	140
323	140
324	141
325	140
326	140
327	141
328	140
329	141
330	140
331	140
332	141
333	140
334	141
335	140
336	141
337	141
338	140

339	140
340	140
341	140
342	140
343	141
344	140
345	140
346	141
347	141
348	141
349	142
350	145
351	141
352	141
353	140
354	140
355	140
356	140
357	140
358	141
359	140
360	140
361	141
362	140
363	140
364	141
365	140
366	140
367	140
368	140
369	142
370	140
371	141
372	141
373	140
374	141
375	140
376	140
377	140
378	140
379	140
380	140
381	140
382	140
383	140

384	141
385	141
386	140
387	141
388	141
389	141
390	140
391	141
392	140
393	140
394	140
395	140
396	141
397	141
398	140
399	141
400	140
401	140
402	141
403	140
404	140
405	141
406	140
407	141
408	140
409	141
410	140
411	141
412	140
413	141
414	140
415	141
416	140
417	140
418	140
419	141
420	140
421	141
422	141
423	140
424	140
425	142
426	140
427	141
428	140



429	141
430	140
431	140
432	140
433	140
434	141
435	140
436	140
437	140
438	141
439	140
440	147
441	140
442	140
443	140
444	140
445	140
446	140
447	140
448	141
449	141
450	140
451	141
452	141
453	140
454	140
455	140
456	140
457	140
458	140
459	141
460	140
461	140
462	140
463	141
464	140
465	140
466	141
467	140
468	140
469	141
470	140
471	140
472	141
473	142

474	140
475	142
476	141
477	141
478	141
479	141
480	140
481	140
482	141
483	141
484	140
485	140
486	140
487	140
488	140
489	141
490	140
491	140
492	140
493	140
494	140
495	140
496	141
497	141
498	141
499	140
500	141

## Site rate variation and probabilities:

Locus	Sublocus	Region	type	Rate of change	Probability	Patch size
-------	----------	--------	------	----------------	-------------	------------

1	1	1		1.000	1.000	1.000
2	1	1		1.000	1.000	1.000
3	1	1		1.000	1.000	1.000
4	1	1		1.000	1.000	1.000
5	1	1		1.000	1.000	1.000
6	1	1		1.000	1.000	1.000
7	1	1		1.000	1.000	1.000
8	1	1		1.000	1.000	1.000
9	1	1		1.000	1.000	1.000
10	1	1		1.000	1.000	1.000
11	1	1		1.000	1.000	1.000
12	1	1		1.000	1.000	1.000
13	1	1		1.000	1.000	1.000
14	1	1		1.000	1.000	1.000

15	1	1	1.000	1.000	1.000
16	1	1	1.000	1.000	1.000
17	1	1	1.000	1.000	1.000
18	1	1	1.000	1.000	1.000
19	1	1	1.000	1.000	1.000
20	1	1	1.000	1.000	1.000
21	1	1	1.000	1.000	1.000
22	1	1	1.000	1.000	1.000
23	1	1	1.000	1.000	1.000
24	1	1	1.000	1.000	1.000
25	1	1	1.000	1.000	1.000
26	1	1	1.000	1.000	1.000
27	1	1	1.000	1.000	1.000
28	1	1	1.000	1.000	1.000
29	1	1	1.000	1.000	1.000
30	1	1	1.000	1.000	1.000
31	1	1	1.000	1.000	1.000
32	1	1	1.000	1.000	1.000
33	1	1	1.000	1.000	1.000
34	1	1	1.000	1.000	1.000
35	1	1	1.000	1.000	1.000
36	1	1	1.000	1.000	1.000
37	1	1	1.000	1.000	1.000
38	1	1	1.000	1.000	1.000
39	1	1	1.000	1.000	1.000
40	1	1	1.000	1.000	1.000
41	1	1	1.000	1.000	1.000
42	1	1	1.000	1.000	1.000
43	1	1	1.000	1.000	1.000
44	1	1	1.000	1.000	1.000
45	1	1	1.000	1.000	1.000
46	1	1	1.000	1.000	1.000
47	1	1	1.000	1.000	1.000
48	1	1	1.000	1.000	1.000
49	1	1	1.000	1.000	1.000
50	1	1	1.000	1.000	1.000
51	1	1	1.000	1.000	1.000
52	1	1	1.000	1.000	1.000
53	1	1	1.000	1.000	1.000
54	1	1	1.000	1.000	1.000
55	1	1	1.000	1.000	1.000
56	1	1	1.000	1.000	1.000
57	1	1	1.000	1.000	1.000
58	1	1	1.000	1.000	1.000
59	1	1	1.000	1.000	1.000

60	1	1	1.000	1.000	1.000
61	1	1	1.000	1.000	1.000
62	1	1	1.000	1.000	1.000
63	1	1	1.000	1.000	1.000
64	1	1	1.000	1.000	1.000
65	1	1	1.000	1.000	1.000
66	1	1	1.000	1.000	1.000
67	1	1	1.000	1.000	1.000
68	1	1	1.000	1.000	1.000
69	1	1	1.000	1.000	1.000
70	1	1	1.000	1.000	1.000
71	1	1	1.000	1.000	1.000
72	1	1	1.000	1.000	1.000
73	1	1	1.000	1.000	1.000
74	1	1	1.000	1.000	1.000
75	1	1	1.000	1.000	1.000
76	1	1	1.000	1.000	1.000
77	1	1	1.000	1.000	1.000
78	1	1	1.000	1.000	1.000
79	1	1	1.000	1.000	1.000
80	1	1	1.000	1.000	1.000
81	1	1	1.000	1.000	1.000
82	1	1	1.000	1.000	1.000
83	1	1	1.000	1.000	1.000
84	1	1	1.000	1.000	1.000
85	1	1	1.000	1.000	1.000
86	1	1	1.000	1.000	1.000
87	1	1	1.000	1.000	1.000
88	1	1	1.000	1.000	1.000
89	1	1	1.000	1.000	1.000
90	1	1	1.000	1.000	1.000
91	1	1	1.000	1.000	1.000
92	1	1	1.000	1.000	1.000
93	1	1	1.000	1.000	1.000
94	1	1	1.000	1.000	1.000
95	1	1	1.000	1.000	1.000
96	1	1	1.000	1.000	1.000
97	1	1	1.000	1.000	1.000
98	1	1	1.000	1.000	1.000
99	1	1	1.000	1.000	1.000
100	1	1	1.000	1.000	1.000
101	1	1	1.000	1.000	1.000
102	1	1	1.000	1.000	1.000
103	1	1	1.000	1.000	1.000
104	1	1	1.000	1.000	1.000

105	1	1	1.000	1.000	1.000
106	1	1	1.000	1.000	1.000
107	1	1	1.000	1.000	1.000
108	1	1	1.000	1.000	1.000
109	1	1	1.000	1.000	1.000
110	1	1	1.000	1.000	1.000
111	1	1	1.000	1.000	1.000
112	1	1	1.000	1.000	1.000
113	1	1	1.000	1.000	1.000
114	1	1	1.000	1.000	1.000
115	1	1	1.000	1.000	1.000
116	1	1	1.000	1.000	1.000
117	1	1	1.000	1.000	1.000
118	1	1	1.000	1.000	1.000
119	1	1	1.000	1.000	1.000
120	1	1	1.000	1.000	1.000
121	1	1	1.000	1.000	1.000
122	1	1	1.000	1.000	1.000
123	1	1	1.000	1.000	1.000
124	1	1	1.000	1.000	1.000
125	1	1	1.000	1.000	1.000
126	1	1	1.000	1.000	1.000
127	1	1	1.000	1.000	1.000
128	1	1	1.000	1.000	1.000
129	1	1	1.000	1.000	1.000
130	1	1	1.000	1.000	1.000
131	1	1	1.000	1.000	1.000
132	1	1	1.000	1.000	1.000
133	1	1	1.000	1.000	1.000
134	1	1	1.000	1.000	1.000
135	1	1	1.000	1.000	1.000
136	1	1	1.000	1.000	1.000
137	1	1	1.000	1.000	1.000
138	1	1	1.000	1.000	1.000
139	1	1	1.000	1.000	1.000
140	1	1	1.000	1.000	1.000
141	1	1	1.000	1.000	1.000
142	1	1	1.000	1.000	1.000
143	1	1	1.000	1.000	1.000
144	1	1	1.000	1.000	1.000
145	1	1	1.000	1.000	1.000
146	1	1	1.000	1.000	1.000
147	1	1	1.000	1.000	1.000
148	1	1	1.000	1.000	1.000
149	1	1	1.000	1.000	1.000

150	1	1	1.000	1.000	1.000
151	1	1	1.000	1.000	1.000
152	1	1	1.000	1.000	1.000
153	1	1	1.000	1.000	1.000
154	1	1	1.000	1.000	1.000
155	1	1	1.000	1.000	1.000
156	1	1	1.000	1.000	1.000
157	1	1	1.000	1.000	1.000
158	1	1	1.000	1.000	1.000
159	1	1	1.000	1.000	1.000
160	1	1	1.000	1.000	1.000
161	1	1	1.000	1.000	1.000
162	1	1	1.000	1.000	1.000
163	1	1	1.000	1.000	1.000
164	1	1	1.000	1.000	1.000
165	1	1	1.000	1.000	1.000
166	1	1	1.000	1.000	1.000
167	1	1	1.000	1.000	1.000
168	1	1	1.000	1.000	1.000
169	1	1	1.000	1.000	1.000
170	1	1	1.000	1.000	1.000
171	1	1	1.000	1.000	1.000
172	1	1	1.000	1.000	1.000
173	1	1	1.000	1.000	1.000
174	1	1	1.000	1.000	1.000
175	1	1	1.000	1.000	1.000
176	1	1	1.000	1.000	1.000
177	1	1	1.000	1.000	1.000
178	1	1	1.000	1.000	1.000
179	1	1	1.000	1.000	1.000
180	1	1	1.000	1.000	1.000
181	1	1	1.000	1.000	1.000
182	1	1	1.000	1.000	1.000
183	1	1	1.000	1.000	1.000
184	1	1	1.000	1.000	1.000
185	1	1	1.000	1.000	1.000
186	1	1	1.000	1.000	1.000
187	1	1	1.000	1.000	1.000
188	1	1	1.000	1.000	1.000
189	1	1	1.000	1.000	1.000
190	1	1	1.000	1.000	1.000
191	1	1	1.000	1.000	1.000
192	1	1	1.000	1.000	1.000
193	1	1	1.000	1.000	1.000
194	1	1	1.000	1.000	1.000

195	1	1	1.000	1.000	1.000
196	1	1	1.000	1.000	1.000
197	1	1	1.000	1.000	1.000
198	1	1	1.000	1.000	1.000
199	1	1	1.000	1.000	1.000
200	1	1	1.000	1.000	1.000
201	1	1	1.000	1.000	1.000
202	1	1	1.000	1.000	1.000
203	1	1	1.000	1.000	1.000
204	1	1	1.000	1.000	1.000
205	1	1	1.000	1.000	1.000
206	1	1	1.000	1.000	1.000
207	1	1	1.000	1.000	1.000
208	1	1	1.000	1.000	1.000
209	1	1	1.000	1.000	1.000
210	1	1	1.000	1.000	1.000
211	1	1	1.000	1.000	1.000
212	1	1	1.000	1.000	1.000
213	1	1	1.000	1.000	1.000
214	1	1	1.000	1.000	1.000
215	1	1	1.000	1.000	1.000
216	1	1	1.000	1.000	1.000
217	1	1	1.000	1.000	1.000
218	1	1	1.000	1.000	1.000
219	1	1	1.000	1.000	1.000
220	1	1	1.000	1.000	1.000
221	1	1	1.000	1.000	1.000
222	1	1	1.000	1.000	1.000
223	1	1	1.000	1.000	1.000
224	1	1	1.000	1.000	1.000
225	1	1	1.000	1.000	1.000
226	1	1	1.000	1.000	1.000
227	1	1	1.000	1.000	1.000
228	1	1	1.000	1.000	1.000
229	1	1	1.000	1.000	1.000
230	1	1	1.000	1.000	1.000
231	1	1	1.000	1.000	1.000
232	1	1	1.000	1.000	1.000
233	1	1	1.000	1.000	1.000
234	1	1	1.000	1.000	1.000
235	1	1	1.000	1.000	1.000
236	1	1	1.000	1.000	1.000
237	1	1	1.000	1.000	1.000
238	1	1	1.000	1.000	1.000
239	1	1	1.000	1.000	1.000

240	1	1	1.000	1.000	1.000
241	1	1	1.000	1.000	1.000
242	1	1	1.000	1.000	1.000
243	1	1	1.000	1.000	1.000
244	1	1	1.000	1.000	1.000
245	1	1	1.000	1.000	1.000
246	1	1	1.000	1.000	1.000
247	1	1	1.000	1.000	1.000
248	1	1	1.000	1.000	1.000
249	1	1	1.000	1.000	1.000
250	1	1	1.000	1.000	1.000
251	1	1	1.000	1.000	1.000
252	1	1	1.000	1.000	1.000
253	1	1	1.000	1.000	1.000
254	1	1	1.000	1.000	1.000
255	1	1	1.000	1.000	1.000
256	1	1	1.000	1.000	1.000
257	1	1	1.000	1.000	1.000
258	1	1	1.000	1.000	1.000
259	1	1	1.000	1.000	1.000
260	1	1	1.000	1.000	1.000
261	1	1	1.000	1.000	1.000
262	1	1	1.000	1.000	1.000
263	1	1	1.000	1.000	1.000
264	1	1	1.000	1.000	1.000
265	1	1	1.000	1.000	1.000
266	1	1	1.000	1.000	1.000
267	1	1	1.000	1.000	1.000
268	1	1	1.000	1.000	1.000
269	1	1	1.000	1.000	1.000
270	1	1	1.000	1.000	1.000
271	1	1	1.000	1.000	1.000
272	1	1	1.000	1.000	1.000
273	1	1	1.000	1.000	1.000
274	1	1	1.000	1.000	1.000
275	1	1	1.000	1.000	1.000
276	1	1	1.000	1.000	1.000
277	1	1	1.000	1.000	1.000
278	1	1	1.000	1.000	1.000
279	1	1	1.000	1.000	1.000
280	1	1	1.000	1.000	1.000
281	1	1	1.000	1.000	1.000
282	1	1	1.000	1.000	1.000
283	1	1	1.000	1.000	1.000
284	1	1	1.000	1.000	1.000



285	1	1	1.000	1.000	1.000
286	1	1	1.000	1.000	1.000
287	1	1	1.000	1.000	1.000
288	1	1	1.000	1.000	1.000
289	1	1	1.000	1.000	1.000
290	1	1	1.000	1.000	1.000
291	1	1	1.000	1.000	1.000
292	1	1	1.000	1.000	1.000
293	1	1	1.000	1.000	1.000
294	1	1	1.000	1.000	1.000
295	1	1	1.000	1.000	1.000
296	1	1	1.000	1.000	1.000
297	1	1	1.000	1.000	1.000
298	1	1	1.000	1.000	1.000
299	1	1	1.000	1.000	1.000
300	1	1	1.000	1.000	1.000
301	1	1	1.000	1.000	1.000
302	1	1	1.000	1.000	1.000
303	1	1	1.000	1.000	1.000
304	1	1	1.000	1.000	1.000
305	1	1	1.000	1.000	1.000
306	1	1	1.000	1.000	1.000
307	1	1	1.000	1.000	1.000
308	1	1	1.000	1.000	1.000
309	1	1	1.000	1.000	1.000
310	1	1	1.000	1.000	1.000
311	1	1	1.000	1.000	1.000
312	1	1	1.000	1.000	1.000
313	1	1	1.000	1.000	1.000
314	1	1	1.000	1.000	1.000
315	1	1	1.000	1.000	1.000
316	1	1	1.000	1.000	1.000
317	1	1	1.000	1.000	1.000
318	1	1	1.000	1.000	1.000
319	1	1	1.000	1.000	1.000
320	1	1	1.000	1.000	1.000
321	1	1	1.000	1.000	1.000
322	1	1	1.000	1.000	1.000
323	1	1	1.000	1.000	1.000
324	1	1	1.000	1.000	1.000
325	1	1	1.000	1.000	1.000
326	1	1	1.000	1.000	1.000
327	1	1	1.000	1.000	1.000
328	1	1	1.000	1.000	1.000
329	1	1	1.000	1.000	1.000

330	1	1	1.000	1.000	1.000
331	1	1	1.000	1.000	1.000
332	1	1	1.000	1.000	1.000
333	1	1	1.000	1.000	1.000
334	1	1	1.000	1.000	1.000
335	1	1	1.000	1.000	1.000
336	1	1	1.000	1.000	1.000
337	1	1	1.000	1.000	1.000
338	1	1	1.000	1.000	1.000
339	1	1	1.000	1.000	1.000
340	1	1	1.000	1.000	1.000
341	1	1	1.000	1.000	1.000
342	1	1	1.000	1.000	1.000
343	1	1	1.000	1.000	1.000
344	1	1	1.000	1.000	1.000
345	1	1	1.000	1.000	1.000
346	1	1	1.000	1.000	1.000
347	1	1	1.000	1.000	1.000
348	1	1	1.000	1.000	1.000
349	1	1	1.000	1.000	1.000
350	1	1	1.000	1.000	1.000
351	1	1	1.000	1.000	1.000
352	1	1	1.000	1.000	1.000
353	1	1	1.000	1.000	1.000
354	1	1	1.000	1.000	1.000
355	1	1	1.000	1.000	1.000
356	1	1	1.000	1.000	1.000
357	1	1	1.000	1.000	1.000
358	1	1	1.000	1.000	1.000
359	1	1	1.000	1.000	1.000
360	1	1	1.000	1.000	1.000
361	1	1	1.000	1.000	1.000
362	1	1	1.000	1.000	1.000
363	1	1	1.000	1.000	1.000
364	1	1	1.000	1.000	1.000
365	1	1	1.000	1.000	1.000
366	1	1	1.000	1.000	1.000
367	1	1	1.000	1.000	1.000
368	1	1	1.000	1.000	1.000
369	1	1	1.000	1.000	1.000
370	1	1	1.000	1.000	1.000
371	1	1	1.000	1.000	1.000
372	1	1	1.000	1.000	1.000
373	1	1	1.000	1.000	1.000
374	1	1	1.000	1.000	1.000

375	1	1	1.000	1.000	1.000
376	1	1	1.000	1.000	1.000
377	1	1	1.000	1.000	1.000
378	1	1	1.000	1.000	1.000
379	1	1	1.000	1.000	1.000
380	1	1	1.000	1.000	1.000
381	1	1	1.000	1.000	1.000
382	1	1	1.000	1.000	1.000
383	1	1	1.000	1.000	1.000
384	1	1	1.000	1.000	1.000
385	1	1	1.000	1.000	1.000
386	1	1	1.000	1.000	1.000
387	1	1	1.000	1.000	1.000
388	1	1	1.000	1.000	1.000
389	1	1	1.000	1.000	1.000
390	1	1	1.000	1.000	1.000
391	1	1	1.000	1.000	1.000
392	1	1	1.000	1.000	1.000
393	1	1	1.000	1.000	1.000
394	1	1	1.000	1.000	1.000
395	1	1	1.000	1.000	1.000
396	1	1	1.000	1.000	1.000
397	1	1	1.000	1.000	1.000
398	1	1	1.000	1.000	1.000
399	1	1	1.000	1.000	1.000
400	1	1	1.000	1.000	1.000
401	1	1	1.000	1.000	1.000
402	1	1	1.000	1.000	1.000
403	1	1	1.000	1.000	1.000
404	1	1	1.000	1.000	1.000
405	1	1	1.000	1.000	1.000
406	1	1	1.000	1.000	1.000
407	1	1	1.000	1.000	1.000
408	1	1	1.000	1.000	1.000
409	1	1	1.000	1.000	1.000
410	1	1	1.000	1.000	1.000
411	1	1	1.000	1.000	1.000
412	1	1	1.000	1.000	1.000
413	1	1	1.000	1.000	1.000
414	1	1	1.000	1.000	1.000
415	1	1	1.000	1.000	1.000
416	1	1	1.000	1.000	1.000
417	1	1	1.000	1.000	1.000
418	1	1	1.000	1.000	1.000
419	1	1	1.000	1.000	1.000

420	1	1	1.000	1.000	1.000
421	1	1	1.000	1.000	1.000
422	1	1	1.000	1.000	1.000
423	1	1	1.000	1.000	1.000
424	1	1	1.000	1.000	1.000
425	1	1	1.000	1.000	1.000
426	1	1	1.000	1.000	1.000
427	1	1	1.000	1.000	1.000
428	1	1	1.000	1.000	1.000
429	1	1	1.000	1.000	1.000
430	1	1	1.000	1.000	1.000
431	1	1	1.000	1.000	1.000
432	1	1	1.000	1.000	1.000
433	1	1	1.000	1.000	1.000
434	1	1	1.000	1.000	1.000
435	1	1	1.000	1.000	1.000
436	1	1	1.000	1.000	1.000
437	1	1	1.000	1.000	1.000
438	1	1	1.000	1.000	1.000
439	1	1	1.000	1.000	1.000
440	1	1	1.000	1.000	1.000
441	1	1	1.000	1.000	1.000
442	1	1	1.000	1.000	1.000
443	1	1	1.000	1.000	1.000
444	1	1	1.000	1.000	1.000
445	1	1	1.000	1.000	1.000
446	1	1	1.000	1.000	1.000
447	1	1	1.000	1.000	1.000
448	1	1	1.000	1.000	1.000
449	1	1	1.000	1.000	1.000
450	1	1	1.000	1.000	1.000
451	1	1	1.000	1.000	1.000
452	1	1	1.000	1.000	1.000
453	1	1	1.000	1.000	1.000
454	1	1	1.000	1.000	1.000
455	1	1	1.000	1.000	1.000
456	1	1	1.000	1.000	1.000
457	1	1	1.000	1.000	1.000
458	1	1	1.000	1.000	1.000
459	1	1	1.000	1.000	1.000
460	1	1	1.000	1.000	1.000
461	1	1	1.000	1.000	1.000
462	1	1	1.000	1.000	1.000
463	1	1	1.000	1.000	1.000
464	1	1	1.000	1.000	1.000

465	1	1	1.000	1.000	1.000
466	1	1	1.000	1.000	1.000
467	1	1	1.000	1.000	1.000
468	1	1	1.000	1.000	1.000
469	1	1	1.000	1.000	1.000
470	1	1	1.000	1.000	1.000
471	1	1	1.000	1.000	1.000
472	1	1	1.000	1.000	1.000
473	1	1	1.000	1.000	1.000
474	1	1	1.000	1.000	1.000
475	1	1	1.000	1.000	1.000
476	1	1	1.000	1.000	1.000
477	1	1	1.000	1.000	1.000
478	1	1	1.000	1.000	1.000
479	1	1	1.000	1.000	1.000
480	1	1	1.000	1.000	1.000
481	1	1	1.000	1.000	1.000
482	1	1	1.000	1.000	1.000
483	1	1	1.000	1.000	1.000
484	1	1	1.000	1.000	1.000
485	1	1	1.000	1.000	1.000
486	1	1	1.000	1.000	1.000
487	1	1	1.000	1.000	1.000
488	1	1	1.000	1.000	1.000
489	1	1	1.000	1.000	1.000
490	1	1	1.000	1.000	1.000
491	1	1	1.000	1.000	1.000
492	1	1	1.000	1.000	1.000
493	1	1	1.000	1.000	1.000
494	1	1	1.000	1.000	1.000
495	1	1	1.000	1.000	1.000
496	1	1	1.000	1.000	1.000
497	1	1	1.000	1.000	1.000
498	1	1	1.000	1.000	1.000
499	1	1	1.000	1.000	1.000
500	1	1	1.000	1.000	1.000
Population				Locus	Gene copies data (missing)
1 Pop_CFPxCZ				1	30
				2	30
				3	30
				4	30
				5	30
				6	30
				7	30

8	30
9	30
10	30
11	30
12	30
13	30
14	30
15	30
16	30
17	30
18	30
19	30
20	30
21	30
22	30
23	30
24	30
25	30
26	30
27	30
28	30
29	30
30	30
31	30
32	30
33	30
34	30
35	30
36	30
37	30
38	30
39	30
40	30
41	30
42	30
43	30
44	30
45	30
46	30
47	30
48	30
49	30
50	30
51	30
52	30

53	30
54	30
55	30
56	30
57	30
58	30
59	30
60	30
61	30
62	30
63	30
64	30
65	30
66	30
67	30
68	30
69	30
70	30
71	30
72	30
73	30
74	30
75	30
76	30
77	30
78	30
79	30
80	30
81	30
82	30
83	30
84	30
85	30
86	30
87	30
88	30
89	30
90	30
91	30
92	30
93	30
94	30
95	30
96	30
97	30

98	30
99	30
100	30
101	30
102	30
103	30
104	30
105	30
106	30
107	30
108	30
109	30
110	30
111	30
112	30
113	30
114	30
115	30
116	30
117	30
118	30
119	30
120	30
121	30
122	30
123	30
124	30
125	30
126	30
127	30
128	30
129	30
130	30
131	30
132	30
133	30
134	30
135	30
136	30
137	30
138	30
139	30
140	30
141	30
142	30



143	30
144	30
145	30
146	30
147	30
148	30
149	30
150	30
151	30
152	30
153	30
154	30
155	30
156	30
157	30
158	30
159	30
160	30
161	30
162	30
163	30
164	30
165	30
166	30
167	30
168	30
169	30
170	30
171	30
172	30
173	30
174	30
175	30
176	30
177	30
178	30
179	30
180	30
181	30
182	30
183	30
184	30
185	30
186	30
187	30

188	30
189	30
190	30
191	30
192	30
193	30
194	30
195	30
196	30
197	30
198	30
199	30
200	30
201	30
202	30
203	30
204	30
205	30
206	30
207	30
208	30
209	30
210	30
211	30
212	30
213	30
214	30
215	30
216	30
217	30
218	30
219	30
220	30
221	30
222	30
223	30
224	30
225	30
226	30
227	30
228	30
229	30
230	30
231	30
232	30

233	30
234	30
235	30
236	30
237	30
238	30
239	30
240	30
241	30
242	30
243	30
244	30
245	30
246	30
247	30
248	30
249	30
250	30
251	30
252	30
253	30
254	30
255	30
256	30
257	30
258	30
259	30
260	30
261	30
262	30
263	30
264	30
265	30
266	30
267	30
268	30
269	30
270	30
271	30
272	30
273	30
274	30
275	30
276	30
277	30

278	30
279	30
280	30
281	30
282	30
283	30
284	30
285	30
286	30
287	30
288	30
289	30
290	30
291	30
292	30
293	30
294	30
295	30
296	30
297	30
298	30
299	30
300	30
301	30
302	30
303	30
304	30
305	30
306	30
307	30
308	30
309	30
310	30
311	30
312	30
313	30
314	30
315	30
316	30
317	30
318	30
319	30
320	30
321	30
322	30

323	30
324	30
325	30
326	30
327	30
328	30
329	30
330	30
331	30
332	30
333	30
334	30
335	30
336	30
337	30
338	30
339	30
340	30
341	30
342	30
343	30
344	30
345	30
346	30
347	30
348	30
349	30
350	30
351	30
352	30
353	30
354	30
355	30
356	30
357	30
358	30
359	30
360	30
361	30
362	30
363	30
364	30
365	30
366	30
367	30

368	30
369	30
370	30
371	30
372	30
373	30
374	30
375	30
376	30
377	30
378	30
379	30
380	30
381	30
382	30
383	30
384	30
385	30
386	30
387	30
388	30
389	30
390	30
391	30
392	30
393	30
394	30
395	30
396	30
397	30
398	30
399	30
400	30
401	30
402	30
403	30
404	30
405	30
406	30
407	30
408	30
409	30
410	30
411	30
412	30

413	30
414	30
415	30
416	30
417	30
418	30
419	30
420	30
421	30
422	30
423	30
424	30
425	30
426	30
427	30
428	30
429	30
430	30
431	30
432	30
433	30
434	30
435	30
436	30
437	30
438	30
439	30
440	30
441	30
442	30
443	30
444	30
445	30
446	30
447	30
448	30
449	30
450	30
451	30
452	30
453	30
454	30
455	30
456	30
457	30

	458	30
	459	30
	460	30
	461	30
	462	30
	463	30
	464	30
	465	30
	466	30
	467	30
	468	30
	469	30
	470	30
	471	30
	472	30
	473	30
	474	30
	475	30
	476	30
	477	30
	478	30
	479	30
	480	30
	481	30
	482	30
	483	30
	484	30
	485	30
	486	30
	487	30
	488	30
	489	30
	490	30
	491	30
	492	30
	493	30
	494	30
	495	30
	496	30
	497	30
	498	30
	499	30
	500	30
2 Pop_CZ	1	50
	2	50



3	50
4	50
5	50
6	50
7	50
8	50
9	50
10	50
11	50
12	50
13	50
14	50
15	50
16	50
17	50
18	50
19	50
20	50
21	50
22	50
23	50
24	50
25	50
26	50
27	50
28	50
29	50
30	50
31	50
32	50
33	50
34	50
35	50
36	50
37	50
38	50
39	50
40	50
41	50
42	50
43	50
44	50
45	50
46	50
47	50

48	50
49	50
50	50
51	50
52	50
53	50
54	50
55	50
56	50
57	50
58	50
59	50
60	50
61	50
62	50
63	50
64	50
65	50
66	50
67	50
68	50
69	50
70	50
71	50
72	50
73	50
74	50
75	50
76	50
77	50
78	50
79	50
80	50
81	50
82	50
83	50
84	50
85	50
86	50
87	50
88	50
89	50
90	50
91	50
92	50

93	50
94	50
95	50
96	50
97	50
98	50
99	50
100	50
101	50
102	50
103	50
104	50
105	50
106	50
107	50
108	50
109	50
110	50
111	50
112	50
113	50
114	50
115	50
116	50
117	50
118	50
119	50
120	50
121	50
122	50
123	50
124	50
125	50
126	50
127	50
128	50
129	50
130	50
131	50
132	50
133	50
134	50
135	50
136	50
137	50

138	50
139	50
140	50
141	50
142	50
143	50
144	50
145	50
146	50
147	50
148	50
149	50
150	50
151	50
152	50
153	50
154	50
155	50
156	50
157	50
158	50
159	50
160	50
161	50
162	50
163	50
164	50
165	50
166	50
167	50
168	50
169	50
170	50
171	50
172	50
173	50
174	50
175	50
176	50
177	50
178	50
179	50
180	50
181	50
182	50

183	50
184	50
185	50
186	50
187	50
188	50
189	50
190	50
191	50
192	50
193	50
194	50
195	50
196	50
197	50
198	50
199	50
200	50
201	50
202	50
203	50
204	50
205	50
206	50
207	50
208	50
209	50
210	50
211	50
212	50
213	50
214	50
215	50
216	50
217	50
218	50
219	50
220	50
221	50
222	50
223	50
224	50
225	50
226	50
227	50

228	50
229	50
230	50
231	50
232	50
233	50
234	50
235	50
236	50
237	50
238	50
239	50
240	50
241	50
242	50
243	50
244	50
245	50
246	50
247	50
248	50
249	50
250	50
251	50
252	50
253	50
254	50
255	50
256	50
257	50
258	50
259	50
260	50
261	50
262	50
263	50
264	50
265	50
266	50
267	50
268	50
269	50
270	50
271	50
272	50

273	50
274	50
275	50
276	50
277	50
278	50
279	50
280	50
281	50
282	50
283	50
284	50
285	50
286	50
287	50
288	50
289	50
290	50
291	50
292	50
293	50
294	50
295	50
296	50
297	50
298	50
299	50
300	50
301	50
302	50
303	50
304	50
305	50
306	50
307	50
308	50
309	50
310	50
311	50
312	50
313	50
314	50
315	50
316	50
317	50

318	50
319	50
320	50
321	50
322	50
323	50
324	50
325	50
326	50
327	50
328	50
329	50
330	50
331	50
332	50
333	50
334	50
335	50
336	50
337	50
338	50
339	50
340	50
341	50
342	50
343	50
344	50
345	50
346	50
347	50
348	50
349	50
350	50
351	50
352	50
353	50
354	50
355	50
356	50
357	50
358	50
359	50
360	50
361	50
362	50



363	50
364	50
365	50
366	50
367	50
368	50
369	50
370	50
371	50
372	50
373	50
374	50
375	50
376	50
377	50
378	50
379	50
380	50
381	50
382	50
383	50
384	50
385	50
386	50
387	50
388	50
389	50
390	50
391	50
392	50
393	50
394	50
395	50
396	50
397	50
398	50
399	50
400	50
401	50
402	50
403	50
404	50
405	50
406	50
407	50

408	50
409	50
410	50
411	50
412	50
413	50
414	50
415	50
416	50
417	50
418	50
419	50
420	50
421	50
422	50
423	50
424	50
425	50
426	50
427	50
428	50
429	50
430	50
431	50
432	50
433	50
434	50
435	50
436	50
437	50
438	50
439	50
440	50
441	50
442	50
443	50
444	50
445	50
446	50
447	50
448	50
449	50
450	50
451	50
452	50

453	50
454	50
455	50
456	50
457	50
458	50
459	50
460	50
461	50
462	50
463	50
464	50
465	50
466	50
467	50
468	50
469	50
470	50
471	50
472	50
473	50
474	50
475	50
476	50
477	50
478	50
479	50
480	50
481	50
482	50
483	50
484	50
485	50
486	50
487	50
488	50
489	50
490	50
491	50
492	50
493	50
494	50
495	50
496	50
497	50

	498	50	
	499	50	
	500	50	
Total of all populations	1	80	(0)
	2	80	(0)
	3	80	(0)
	4	80	(0)
	5	80	(0)
	6	80	(0)
	7	80	(0)
	8	80	(0)
	9	80	(0)
	10	80	(0)
	11	80	(0)
	12	80	(0)
	13	80	(0)
	14	80	(0)
	15	80	(0)
	16	80	(0)
	17	80	(0)
	18	80	(0)
	19	80	(0)
	20	80	(0)
	21	80	(0)
	22	80	(0)
	23	80	(0)
	24	80	(0)
	25	80	(0)
	26	80	(0)
	27	80	(0)
	28	80	(0)
	29	80	(0)
	30	80	(0)
	31	80	(0)
	32	80	(0)
	33	80	(0)
	34	80	(0)
	35	80	(0)
	36	80	(0)
	37	80	(0)
	38	80	(0)
	39	80	(0)
	40	80	(0)
	41	80	(0)
	42	80	(0)

43	80	(0)
44	80	(0)
45	80	(0)
46	80	(0)
47	80	(0)
48	80	(0)
49	80	(0)
50	80	(0)
51	80	(0)
52	80	(0)
53	80	(0)
54	80	(0)
55	80	(0)
56	80	(0)
57	80	(0)
58	80	(0)
59	80	(0)
60	80	(0)
61	80	(0)
62	80	(0)
63	80	(0)
64	80	(0)
65	80	(0)
66	80	(0)
67	80	(0)
68	80	(0)
69	80	(0)
70	80	(0)
71	80	(0)
72	80	(0)
73	80	(0)
74	80	(0)
75	80	(0)
76	80	(0)
77	80	(0)
78	80	(0)
79	80	(0)
80	80	(0)
81	80	(0)
82	80	(0)
83	80	(0)
84	80	(0)
85	80	(0)
86	80	(0)
87	80	(0)

88	80	(0)
89	80	(0)
90	80	(0)
91	80	(0)
92	80	(0)
93	80	(0)
94	80	(0)
95	80	(0)
96	80	(0)
97	80	(0)
98	80	(0)
99	80	(0)
100	80	(0)
101	80	(0)
102	80	(0)
103	80	(0)
104	80	(0)
105	80	(0)
106	80	(0)
107	80	(0)
108	80	(0)
109	80	(0)
110	80	(0)
111	80	(0)
112	80	(0)
113	80	(0)
114	80	(0)
115	80	(0)
116	80	(0)
117	80	(0)
118	80	(0)
119	80	(0)
120	80	(0)
121	80	(0)
122	80	(0)
123	80	(0)
124	80	(0)
125	80	(0)
126	80	(0)
127	80	(0)
128	80	(0)
129	80	(0)
130	80	(0)
131	80	(0)
132	80	(0)

133	80	(0)
134	80	(0)
135	80	(0)
136	80	(0)
137	80	(0)
138	80	(0)
139	80	(0)
140	80	(0)
141	80	(0)
142	80	(0)
143	80	(0)
144	80	(0)
145	80	(0)
146	80	(0)
147	80	(0)
148	80	(0)
149	80	(0)
150	80	(0)
151	80	(0)
152	80	(0)
153	80	(0)
154	80	(0)
155	80	(0)
156	80	(0)
157	80	(0)
158	80	(0)
159	80	(0)
160	80	(0)
161	80	(0)
162	80	(0)
163	80	(0)
164	80	(0)
165	80	(0)
166	80	(0)
167	80	(0)
168	80	(0)
169	80	(0)
170	80	(0)
171	80	(0)
172	80	(0)
173	80	(0)
174	80	(0)
175	80	(0)
176	80	(0)
177	80	(0)

178	80	(0)
179	80	(0)
180	80	(0)
181	80	(0)
182	80	(0)
183	80	(0)
184	80	(0)
185	80	(0)
186	80	(0)
187	80	(0)
188	80	(0)
189	80	(0)
190	80	(0)
191	80	(0)
192	80	(0)
193	80	(0)
194	80	(0)
195	80	(0)
196	80	(0)
197	80	(0)
198	80	(0)
199	80	(0)
200	80	(0)
201	80	(0)
202	80	(0)
203	80	(0)
204	80	(0)
205	80	(0)
206	80	(0)
207	80	(0)
208	80	(0)
209	80	(0)
210	80	(0)
211	80	(0)
212	80	(0)
213	80	(0)
214	80	(0)
215	80	(0)
216	80	(0)
217	80	(0)
218	80	(0)
219	80	(0)
220	80	(0)
221	80	(0)
222	80	(0)



223	80	(0)
224	80	(0)
225	80	(0)
226	80	(0)
227	80	(0)
228	80	(0)
229	80	(0)
230	80	(0)
231	80	(0)
232	80	(0)
233	80	(0)
234	80	(0)
235	80	(0)
236	80	(0)
237	80	(0)
238	80	(0)
239	80	(0)
240	80	(0)
241	80	(0)
242	80	(0)
243	80	(0)
244	80	(0)
245	80	(0)
246	80	(0)
247	80	(0)
248	80	(0)
249	80	(0)
250	80	(0)
251	80	(0)
252	80	(0)
253	80	(0)
254	80	(0)
255	80	(0)
256	80	(0)
257	80	(0)
258	80	(0)
259	80	(0)
260	80	(0)
261	80	(0)
262	80	(0)
263	80	(0)
264	80	(0)
265	80	(0)
266	80	(0)
267	80	(0)

268	80	(0)
269	80	(0)
270	80	(0)
271	80	(0)
272	80	(0)
273	80	(0)
274	80	(0)
275	80	(0)
276	80	(0)
277	80	(0)
278	80	(0)
279	80	(0)
280	80	(0)
281	80	(0)
282	80	(0)
283	80	(0)
284	80	(0)
285	80	(0)
286	80	(0)
287	80	(0)
288	80	(0)
289	80	(0)
290	80	(0)
291	80	(0)
292	80	(0)
293	80	(0)
294	80	(0)
295	80	(0)
296	80	(0)
297	80	(0)
298	80	(0)
299	80	(0)
300	80	(0)
301	80	(0)
302	80	(0)
303	80	(0)
304	80	(0)
305	80	(0)
306	80	(0)
307	80	(0)
308	80	(0)
309	80	(0)
310	80	(0)
311	80	(0)
312	80	(0)

313	80	(0)
314	80	(0)
315	80	(0)
316	80	(0)
317	80	(0)
318	80	(0)
319	80	(0)
320	80	(0)
321	80	(0)
322	80	(0)
323	80	(0)
324	80	(0)
325	80	(0)
326	80	(0)
327	80	(0)
328	80	(0)
329	80	(0)
330	80	(0)
331	80	(0)
332	80	(0)
333	80	(0)
334	80	(0)
335	80	(0)
336	80	(0)
337	80	(0)
338	80	(0)
339	80	(0)
340	80	(0)
341	80	(0)
342	80	(0)
343	80	(0)
344	80	(0)
345	80	(0)
346	80	(0)
347	80	(0)
348	80	(0)
349	80	(0)
350	80	(0)
351	80	(0)
352	80	(0)
353	80	(0)
354	80	(0)
355	80	(0)
356	80	(0)
357	80	(0)

358	80	(0)
359	80	(0)
360	80	(0)
361	80	(0)
362	80	(0)
363	80	(0)
364	80	(0)
365	80	(0)
366	80	(0)
367	80	(0)
368	80	(0)
369	80	(0)
370	80	(0)
371	80	(0)
372	80	(0)
373	80	(0)
374	80	(0)
375	80	(0)
376	80	(0)
377	80	(0)
378	80	(0)
379	80	(0)
380	80	(0)
381	80	(0)
382	80	(0)
383	80	(0)
384	80	(0)
385	80	(0)
386	80	(0)
387	80	(0)
388	80	(0)
389	80	(0)
390	80	(0)
391	80	(0)
392	80	(0)
393	80	(0)
394	80	(0)
395	80	(0)
396	80	(0)
397	80	(0)
398	80	(0)
399	80	(0)
400	80	(0)
401	80	(0)
402	80	(0)

403	80	(0)
404	80	(0)
405	80	(0)
406	80	(0)
407	80	(0)
408	80	(0)
409	80	(0)
410	80	(0)
411	80	(0)
412	80	(0)
413	80	(0)
414	80	(0)
415	80	(0)
416	80	(0)
417	80	(0)
418	80	(0)
419	80	(0)
420	80	(0)
421	80	(0)
422	80	(0)
423	80	(0)
424	80	(0)
425	80	(0)
426	80	(0)
427	80	(0)
428	80	(0)
429	80	(0)
430	80	(0)
431	80	(0)
432	80	(0)
433	80	(0)
434	80	(0)
435	80	(0)
436	80	(0)
437	80	(0)
438	80	(0)
439	80	(0)
440	80	(0)
441	80	(0)
442	80	(0)
443	80	(0)
444	80	(0)
445	80	(0)
446	80	(0)
447	80	(0)

448	80	(0)
449	80	(0)
450	80	(0)
451	80	(0)
452	80	(0)
453	80	(0)
454	80	(0)
455	80	(0)
456	80	(0)
457	80	(0)
458	80	(0)
459	80	(0)
460	80	(0)
461	80	(0)
462	80	(0)
463	80	(0)
464	80	(0)
465	80	(0)
466	80	(0)
467	80	(0)
468	80	(0)
469	80	(0)
470	80	(0)
471	80	(0)
472	80	(0)
473	80	(0)
474	80	(0)
475	80	(0)
476	80	(0)
477	80	(0)
478	80	(0)
479	80	(0)
480	80	(0)
481	80	(0)
482	80	(0)
483	80	(0)
484	80	(0)
485	80	(0)
486	80	(0)
487	80	(0)
488	80	(0)
489	80	(0)
490	80	(0)
491	80	(0)
492	80	(0)

493	80	(0)
494	80	(0)
495	80	(0)
496	80	(0)
497	80	(0)
498	80	(0)
499	80	(0)
500	80	(0)

## *Subsampled dataset*

Data set was subsampled randomly per population: 5 samples taken

Locus	Population	Individuals
1	Pop_CFPxCZ	57Ba 64b 51Bb 56a 59a
	Pop_CZ	9a 1835a 18b 7b 25b
2	Pop_CFPxCZ	56b 58Bb 54a 59b 58Ba
	Pop_CZ	5Ba 23b 25a 14Bb 25b
3	Pop_CFPxCZ	58Bb 66b 63a 64a 54b
	Pop_CZ	9b 16b 5Bb 3b 21b
4	Pop_CFPxCZ	57Bb 58Ba 61b 63b 62a
	Pop_CZ	23a 25b 1836b 14Ba 8Bb
5	Pop_CFPxCZ	66a 64a 59a 63a 52Ba
	Pop_CZ	14Bb 17a 18a 21b 22a
6	Pop_CFPxCZ	59b 65Ba 52Bb 63a 63b
	Pop_CZ	23b 22a 20a 9b 25a
7	Pop_CFPxCZ	58Ba 52Ba 57Ba 52Bb 57Bb
	Pop_CZ	8Bb 9a 16a 1a 88b
8	Pop_CFPxCZ	66a 53b 52Ba 55a 65Bb
	Pop_CZ	1a 25a 17b 15b 8Bb
9	Pop_CFPxCZ	53b 59b 51Bb 57Bb 65Bb
	Pop_CZ	2a 3b 21a 14Bb 88a
10	Pop_CFPxCZ	64a 52Ba 58Bb 66b 51Bb
	Pop_CZ	8Bb 20b 23b 20a 24Bb
11	Pop_CFPxCZ	52Bb 66b 66a 54a 57Ba
	Pop_CZ	7a 23b 1836b 25a 5Ba
12	Pop_CFPxCZ	65Ba 56b 62a 61b 62b
	Pop_CZ	88a 2b 18a 24Ba 7a
13	Pop_CFPxCZ	66a 62b 65Ba 53b 56b
	Pop_CZ	26a 1836b 16a 22a 7a
14	Pop_CFPxCZ	57Ba 52Bb 66b 64b 63b
	Pop_CZ	5Bb 1836b 22a 15a 14Ba
15	Pop_CFPxCZ	56b 52Ba 54b 59b 55a
	Pop_CZ	16b 9a 1835b 5Bb 2a
16	Pop_CFPxCZ	62a 56a 57Bb 66a 65Ba
	Pop_CZ	26a 23b 24Bb 25b 14Bb
17	Pop_CFPxCZ	57Bb 61b 63a 63b 64a
	Pop_CZ	4b 16a 19a 23b 16b
18	Pop_CFPxCZ	66a 53a 62a 55b 52Bb
	Pop_CZ	22b 19b 1836a 1b 8Ba
19	Pop_CFPxCZ	56a 65Ba 53a 59b 66b



Locus	Population	Individuals
	Pop_CZ	16b 25b 1836a 15b 25a
20	Pop_CFPxCZ	57Bb 58Ba 66a 65Ba 51Bb
	Pop_CZ	5Bb 25b 26a 15a 88a
21	Pop_CFPxCZ	61a 59a 53b 65Ba 55b
	Pop_CZ	2a 25a 18b 9b 15a
22	Pop_CFPxCZ	62a 64b 59a 66a 61b
	Pop_CZ	8Ba 7a 16b 14Ba 6b
23	Pop_CFPxCZ	65Ba 63a 56a 55b 62b
	Pop_CZ	7b 3a 26b 14Bb 23b
24	Pop_CFPxCZ	53b 63a 58Ba 66a 57Ba
	Pop_CZ	1836a 1b 9a 8Ba 1835a
25	Pop_CFPxCZ	57Ba 52Bb 66b 58Bb 51Ba
	Pop_CZ	4a 1a 8Bb 19b 1836a
26	Pop_CFPxCZ	58Ba 59b 63b 51Ba 52Bb
	Pop_CZ	4b 5Ba 24Ba 2b 1a
27	Pop_CFPxCZ	64a 52Bb 59a 63b 55a
	Pop_CZ	1835a 26a 24Bb 1835b 7b
28	Pop_CFPxCZ	52Bb 58Bb 58Ba 57Bb 54b
	Pop_CZ	19a 1836a 16a 2a 15b
29	Pop_CFPxCZ	65Ba 51Bb 54a 63b 52Bb
	Pop_CZ	1835a 25a 19b 14Bb 16b
30	Pop_CFPxCZ	65Ba 58Ba 65Bb 55a 53a
	Pop_CZ	20b 4b 23a 25a 88a
31	Pop_CFPxCZ	51Ba 59b 58Bb 63b 66b
	Pop_CZ	4b 20b 6a 25b 20a
32	Pop_CFPxCZ	58Bb 51Bb 55b 54a 53a
	Pop_CZ	23b 15b 88b 24Ba 24Bb
33	Pop_CFPxCZ	54a 58Ba 59a 55b 55a
	Pop_CZ	2a 5Ba 1a 8Ba 15b
34	Pop_CFPxCZ	59b 56a 57Ba 62b 63a
	Pop_CZ	8Bb 17a 9a 22a 3b
35	Pop_CFPxCZ	57Ba 56b 59a 55b 63b
	Pop_CZ	6a 88a 18b 9a 2b
36	Pop_CFPxCZ	64b 62b 66a 57Ba 65Bb
	Pop_CZ	15a 19b 17b 25b 19a
37	Pop_CFPxCZ	53a 64a 57Ba 57Bb 51Bb
	Pop_CZ	18a 17b 18b 22b 88a
38	Pop_CFPxCZ	58Ba 62b 51Ba 61b 61a
	Pop_CZ	7a 19b 15b 9a 22a
39	Pop_CFPxCZ	61a 63b 65Bb 51Ba 59b
	Pop_CZ	19b 6a 26a 26b 2a
40	Pop_CFPxCZ	65Ba 66b 53a 54b 61b
	Pop_CZ	21a 15b 88b 9b 7b

Locus	Population	Individuals
41	Pop_CFPxCZ	63b 51Ba 65Ba 63a 54a
	Pop_CZ	24Bb 16a 22a 6b 15b
42	Pop_CFPxCZ	66b 63b 61b 53b 62b
	Pop_CZ	23b 3a 1835a 2b 17a
43	Pop_CFPxCZ	53a 59a 63b 53b 66a
	Pop_CZ	8Ba 20b 15a 7b 22a
44	Pop_CFPxCZ	55a 65Ba 58Bb 56a 54b
	Pop_CZ	23b 23a 26a 7a 5Bb
45	Pop_CFPxCZ	64a 51Ba 63b 57Bb 52Bb
	Pop_CZ	20a 4b 23a 1836a 24Ba
46	Pop_CFPxCZ	61a 58Bb 65Ba 66b 56a
	Pop_CZ	2a 8Ba 16a 18a 5Ba
47	Pop_CFPxCZ	53a 54a 62a 62b 63b
	Pop_CZ	1b 6b 24Ba 9b 5Bb
48	Pop_CFPxCZ	61b 61a 51Bb 51Ba 57Bb
	Pop_CZ	3a 19b 7b 6b 2a
49	Pop_CFPxCZ	56b 61b 51Bb 66b 64a
	Pop_CZ	20a 1836a 15a 24Bb 14Ba
50	Pop_CFPxCZ	58Bb 54a 53b 52Bb 61b
	Pop_CZ	1835a 5Bb 24Bb 88b 8Bb
51	Pop_CFPxCZ	57Bb 51Ba 53a 56b 59a
	Pop_CZ	24Bb 20b 26a 19b 18b
52	Pop_CFPxCZ	52Ba 65Ba 56a 51Bb 54a
	Pop_CZ	3b 5Bb 8Ba 25b 21b
53	Pop_CFPxCZ	63a 57Ba 54a 65Bb 63b
	Pop_CZ	2a 21b 18b 23b 7a
54	Pop_CFPxCZ	52Ba 59a 63a 57Ba 65Ba
	Pop_CZ	18a 15a 23a 16a 25a
55	Pop_CFPxCZ	51Bb 55b 53a 66b 64a
	Pop_CZ	8Ba 1836b 16a 5Ba 25a
56	Pop_CFPxCZ	64b 53a 61b 51Ba 54a
	Pop_CZ	23a 1835b 3b 4b 14Bb
57	Pop_CFPxCZ	53a 54b 62b 51Ba 59a
	Pop_CZ	4a 15b 7a 2b 3b
58	Pop_CFPxCZ	66b 53b 57Ba 59b 51Ba
	Pop_CZ	15b 4b 1835b 6b 6a
59	Pop_CFPxCZ	53a 64a 59a 65Ba 54a
	Pop_CZ	1835a 15a 19a 22b 26b
60	Pop_CFPxCZ	56a 62b 55b 54a 59a
	Pop_CZ	15b 1836a 8Bb 1b 2b
61	Pop_CFPxCZ	66b 51Bb 57Bb 56a 62b
	Pop_CZ	8Bb 17a 1836a 7b 2a
62	Pop_CFPxCZ	53a 53b 57Bb 52Bb 55a

Locus	Population	Individuals
	Pop_CZ	19b 1a 5Bb 23b 3b
63	Pop_CFPxCZ	51Bb 57Ba 59a 61a 62a
	Pop_CZ	9a 15a 1835b 3b 7a
64	Pop_CFPxCZ	57Ba 57Bb 53a 65Bb 66b
	Pop_CZ	7b 23b 16a 18b 8Ba
65	Pop_CFPxCZ	58Bb 53b 55a 59b 62a
	Pop_CZ	1b 19a 7a 6a 20a
66	Pop_CFPxCZ	66b 63b 51Bb 52Ba 64a
	Pop_CZ	15a 3a 6b 8Ba 22a
67	Pop_CFPxCZ	58Ba 52Bb 61a 62b 62a
	Pop_CZ	7a 2a 4a 21a 25a
68	Pop_CFPxCZ	58Ba 64b 52Ba 66b 63a
	Pop_CZ	24Bb 6b 22a 20b 4b
69	Pop_CFPxCZ	57Ba 65Ba 53a 52Bb 65Bb
	Pop_CZ	19b 1b 15b 23a 5Ba
70	Pop_CFPxCZ	55b 63b 53a 65Bb 62b
	Pop_CZ	3b 4b 25b 7b 1835a
71	Pop_CFPxCZ	63a 57Ba 65Bb 58Bb 55b
	Pop_CZ	7b 1835b 2a 25b 14Bb
72	Pop_CFPxCZ	64a 65Ba 57Ba 63b 59b
	Pop_CZ	5Ba 19b 4a 8Bb 3a
73	Pop_CFPxCZ	61a 56a 61b 58Bb 59b
	Pop_CZ	3a 25b 8Ba 16b 26a
74	Pop_CFPxCZ	54a 64a 62a 65Bb 66b
	Pop_CZ	19b 14Ba 5Ba 5Bb 1835b
75	Pop_CFPxCZ	66a 57Bb 62a 54a 55b
	Pop_CZ	19a 6b 17a 23a 6a
76	Pop_CFPxCZ	52Ba 61b 63a 51Ba 62a
	Pop_CZ	14Ba 21a 18a 1835a 9b
77	Pop_CFPxCZ	53b 51Bb 65Ba 63b 51Ba
	Pop_CZ	6b 21a 21b 14Bb 1836a
78	Pop_CFPxCZ	53a 55b 57Bb 65Ba 51Bb
	Pop_CZ	7b 26a 17b 25b 3a
79	Pop_CFPxCZ	56a 58Bb 63a 66a 54a
	Pop_CZ	8Bb 24Bb 16a 7b 22a
80	Pop_CFPxCZ	61b 56b 58Bb 63a 55b
	Pop_CZ	23a 5Bb 6a 2b 22b
81	Pop_CFPxCZ	58Bb 59b 51Ba 52Bb 55b
	Pop_CZ	21b 8Bb 2a 18b 17b
82	Pop_CFPxCZ	66b 51Bb 63a 66a 62b
	Pop_CZ	2b 19b 88a 23a 17a
83	Pop_CFPxCZ	65Bb 53a 62b 65Ba 66b
	Pop_CZ	17b 23b 7b 9b 7a

Locus	Population	Individuals
84	Pop_CFPxCZ	56a 63b 55b 61a 54a
	Pop_CZ	17a 8Ba 22a 4b 88a
85	Pop_CFPxCZ	63a 56b 52Bb 53b 58Bb
	Pop_CZ	25b 7b 26a 1835b 20a
86	Pop_CFPxCZ	57Bb 58Bb 64a 66a 59a
	Pop_CZ	20a 24Bb 20b 1a 19a
87	Pop_CFPxCZ	64b 54a 53a 56b 62a
	Pop_CZ	18a 22a 88b 6a 18b
88	Pop_CFPxCZ	59b 52Ba 65Bb 63b 62a
	Pop_CZ	16a 22b 18a 1b 4a
89	Pop_CFPxCZ	56b 59a 53b 66b 54a
	Pop_CZ	21b 26b 17a 18b 18a
90	Pop_CFPxCZ	54a 58Ba 53b 61a 58Bb
	Pop_CZ	1836a 9a 15b 1b 4a
91	Pop_CFPxCZ	53b 61a 61b 52Ba 62b
	Pop_CZ	17b 24Bb 21b 22b 14Bb
92	Pop_CFPxCZ	65Bb 59a 66b 54a 51Ba
	Pop_CZ	21b 9b 6b 19b 23a
93	Pop_CFPxCZ	54a 55a 58Ba 54b 65Ba
	Pop_CZ	1836b 17b 21b 19a 16a
94	Pop_CFPxCZ	63a 58Ba 55b 63b 56b
	Pop_CZ	14Bb 1a 26a 1b 17a
95	Pop_CFPxCZ	64b 56a 52Ba 55a 54b
	Pop_CZ	21b 17a 5Bb 8Ba 3b
96	Pop_CFPxCZ	59a 58Ba 56a 57Bb 61b
	Pop_CZ	23b 2b 1835b 16b 21a
97	Pop_CFPxCZ	53a 52Bb 55b 62a 57Ba
	Pop_CZ	25a 22b 24Ba 17a 22a
98	Pop_CFPxCZ	53b 63a 62b 63b 62a
	Pop_CZ	8Ba 1835a 1836b 9a 3a
99	Pop_CFPxCZ	64a 51Ba 61a 59b 53b
	Pop_CZ	88b 25b 22a 21b 3b
100	Pop_CFPxCZ	58Bb 64b 55a 54b 66a
	Pop_CZ	1835b 1a 21a 15a 9a
101	Pop_CFPxCZ	64b 61a 65Bb 62a 54a
	Pop_CZ	14Bb 23b 88a 9a 15a
102	Pop_CFPxCZ	53b 58Ba 59a 61b 52Bb
	Pop_CZ	8Ba 1835b 24Bb 9b 14Bb
103	Pop_CFPxCZ	59b 54a 58Ba 62b 65Ba
	Pop_CZ	88b 17a 19b 6a 15b
104	Pop_CFPxCZ	51Bb 65Ba 61b 57Ba 52Bb
	Pop_CZ	26b 16b 17a 24Ba 21b
105	Pop_CFPxCZ	51Ba 58Ba 64a 62a 53a

Locus	Population	Individuals
	Pop_CZ	21a 19b 7b 18a 25a
106	Pop_CFPxCZ	55b 56b 62a 64a 58Bb
	Pop_CZ	5Bb 88b 8Ba 21a 20a
107	Pop_CFPxCZ	58Bb 64a 51Ba 59b 56a
	Pop_CZ	23b 19b 20a 25b 9a
108	Pop_CFPxCZ	65Ba 53a 52Bb 57Bb 66b
	Pop_CZ	9a 6b 88b 5Bb 17b
109	Pop_CFPxCZ	64a 56a 63b 54b 62a
	Pop_CZ	18a 23a 20b 1a 3b
110	Pop_CFPxCZ	66b 58Ba 62a 61b 55b
	Pop_CZ	1835b 22b 21a 26a 1835a
111	Pop_CFPxCZ	64b 56a 65Ba 62a 64a
	Pop_CZ	1835b 7a 8Bb 26b 2a
112	Pop_CFPxCZ	51Bb 59a 54a 56b 66a
	Pop_CZ	1836a 1a 5Bb 19b 18a
113	Pop_CFPxCZ	63a 56b 64a 54b 58Bb
	Pop_CZ	23b 17a 5Bb 26a 9b
114	Pop_CFPxCZ	58Bb 58Ba 64a 52Bb 62b
	Pop_CZ	3a 25a 20a 24Ba 15b
115	Pop_CFPxCZ	57Bb 65Bb 55b 54b 62a
	Pop_CZ	5Ba 18b 25b 7a 26a
116	Pop_CFPxCZ	51Ba 63a 62a 57Bb 63b
	Pop_CZ	3a 16b 26a 14Bb 22b
117	Pop_CFPxCZ	58Ba 56a 52Ba 53a 61a
	Pop_CZ	4a 19a 5Bb 20a 15a
118	Pop_CFPxCZ	52Bb 59b 59a 66b 63b
	Pop_CZ	20a 26b 16b 25b 1b
119	Pop_CFPxCZ	51Ba 52Ba 62a 51Bb 66a
	Pop_CZ	5Bb 9b 4a 24Bb 1835b
120	Pop_CFPxCZ	58Ba 51Ba 55b 64a 63a
	Pop_CZ	7a 18b 17b 2a 6a
121	Pop_CFPxCZ	52Bb 55a 52Ba 59b 56a
	Pop_CZ	4a 6a 7a 17b 16b
122	Pop_CFPxCZ	59a 53a 62b 56a 52Ba
	Pop_CZ	26a 5Ba 88a 9a 21b
123	Pop_CFPxCZ	63a 55b 62b 52Ba 65Ba
	Pop_CZ	1835b 23b 22b 2b 25a
124	Pop_CFPxCZ	54a 51Bb 65Ba 56b 61b
	Pop_CZ	6a 6b 14Bb 26b 22b
125	Pop_CFPxCZ	65Bb 65Ba 57Ba 55b 54b
	Pop_CZ	24Ba 7a 1836a 6a 22a
126	Pop_CFPxCZ	63b 58Bb 62b 64a 55a
	Pop_CZ	14Bb 17a 15a 6a 88a

Locus	Population	Individuals
127	Pop_CFPxCZ	56a 66b 58Ba 64a 54a
	Pop_CZ	14Ba 4b 19b 26b 1a
128	Pop_CFPxCZ	59b 63b 61a 51Ba 56a
	Pop_CZ	22b 19b 26a 9b 19a
129	Pop_CFPxCZ	59b 61a 61b 54a 62a
	Pop_CZ	16b 7a 18a 23a 17b
130	Pop_CFPxCZ	61b 53b 57Ba 64b 51Bb
	Pop_CZ	8Ba 21a 1836b 6a 4a
131	Pop_CFPxCZ	66b 53b 51Ba 51Bb 54a
	Pop_CZ	26a 1a 1836a 4b 19b
132	Pop_CFPxCZ	59b 56a 54a 52Bb 61b
	Pop_CZ	1a 7a 22a 88b 19b
133	Pop_CFPxCZ	59b 55b 54a 62b 62a
	Pop_CZ	8Bb 24Bb 1a 26a 9a
134	Pop_CFPxCZ	57Bb 53a 62a 63b 61b
	Pop_CZ	3a 5Ba 17b 23a 14Bb
135	Pop_CFPxCZ	65Ba 59a 66b 51Bb 55b
	Pop_CZ	19b 9b 19a 5Bb 25a
136	Pop_CFPxCZ	58Bb 52Bb 54a 57Ba 54b
	Pop_CZ	3a 6b 18b 14Ba 1835b
137	Pop_CFPxCZ	61a 63a 55a 53a 56a
	Pop_CZ	88a 7b 17b 22a 21b
138	Pop_CFPxCZ	61a 52Bb 55a 64b 64a
	Pop_CZ	8Ba 24Ba 14Bb 25b 26a
139	Pop_CFPxCZ	65Ba 54b 57Bb 51Ba 56a
	Pop_CZ	6b 15b 1836b 14Bb 16b
140	Pop_CFPxCZ	64a 53b 54b 57Ba 55b
	Pop_CZ	7b 23b 18b 19a 17b
141	Pop_CFPxCZ	57Ba 64b 51Ba 53a 65Ba
	Pop_CZ	6b 26b 7b 1835b 23b
142	Pop_CFPxCZ	52Bb 63b 66a 53a 54b
	Pop_CZ	21a 5Ba 19b 22b 25a
143	Pop_CFPxCZ	64a 55b 64b 57Ba 53b
	Pop_CZ	19a 8Bb 1835a 6b 22b
144	Pop_CFPxCZ	64b 55b 52Bb 51Ba 58Bb
	Pop_CZ	24Ba 9b 18b 15a 88b
145	Pop_CFPxCZ	54a 55b 65Ba 53b 52Bb
	Pop_CZ	4a 14Bb 17b 15a 24Ba
146	Pop_CFPxCZ	58Ba 53a 56b 63b 64a
	Pop_CZ	26a 2b 6a 16b 4a
147	Pop_CFPxCZ	58Bb 54b 64b 57Ba 57Bb
	Pop_CZ	17b 15a 16a 20b 23b
148	Pop_CFPxCZ	54a 61a 64a 65Bb 53a

Locus	Population	Individuals
	Pop_CZ	20b 23a 8Ba 4b 7a
149	Pop_CFPxCZ	65Bb 64b 61b 62a 58Ba
	Pop_CZ	9a 16b 23b 7b 23a
150	Pop_CFPxCZ	66b 51Ba 53a 52Bb 51Bb
	Pop_CZ	1836b 24Ba 9b 23a 25a
151	Pop_CFPxCZ	53a 65Ba 66a 51Ba 64a
	Pop_CZ	17b 1835b 15b 22a 8Ba
152	Pop_CFPxCZ	64a 56a 62b 57Bb 56b
	Pop_CZ	4a 16a 2b 22b 22a
153	Pop_CFPxCZ	56b 51Ba 57Bb 52Bb 62b
	Pop_CZ	6b 23b 88a 7a 26b
154	Pop_CFPxCZ	54b 58Bb 52Ba 65Ba 53a
	Pop_CZ	9a 16a 21b 25a 88a
155	Pop_CFPxCZ	54a 64a 66b 55b 59b
	Pop_CZ	6a 2a 1b 5Ba 7a
156	Pop_CFPxCZ	58Bb 62b 61b 57Bb 55b
	Pop_CZ	1b 1a 22b 88a 8Ba
157	Pop_CFPxCZ	62a 55a 57Ba 61b 53b
	Pop_CZ	19b 6b 23b 1836b 5Bb
158	Pop_CFPxCZ	61a 65Ba 63b 58Bb 57Bb
	Pop_CZ	1b 9b 1835b 14Bb 25b
159	Pop_CFPxCZ	56b 57Bb 51Bb 65Bb 51Ba
	Pop_CZ	6b 14Bb 24Bb 8Ba 20a
160	Pop_CFPxCZ	59a 66b 57Ba 55b 57Bb
	Pop_CZ	16b 18b 24Bb 16a 9a
161	Pop_CFPxCZ	55b 53b 54b 52Ba 57Bb
	Pop_CZ	26a 4b 7a 18a 5Bb
162	Pop_CFPxCZ	52Ba 64a 51Ba 59b 63a
	Pop_CZ	8Ba 24Ba 14Bb 6a 2b
163	Pop_CFPxCZ	56b 53b 52Ba 56a 55b
	Pop_CZ	9a 25a 16a 14Ba 4b
164	Pop_CFPxCZ	58Bb 61b 52Ba 57Bb 54b
	Pop_CZ	17b 1835a 3b 1835b 25a
165	Pop_CFPxCZ	55a 57Ba 64b 51Bb 55b
	Pop_CZ	7b 21b 18b 1b 16b
166	Pop_CFPxCZ	57Ba 53b 58Ba 59b 63a
	Pop_CZ	1836b 4b 17a 3a 7b
167	Pop_CFPxCZ	55a 56b 53a 54a 52Ba
	Pop_CZ	22a 7a 6a 17a 3b
168	Pop_CFPxCZ	63b 57Ba 54a 53a 52Ba
	Pop_CZ	26b 24Bb 1835a 4b 16b
169	Pop_CFPxCZ	61a 65Bb 57Ba 55a 54a
	Pop_CZ	23b 3b 15b 1835b 7a

Locus	Population	Individuals
170	Pop_CFPxCZ	56b 64b 52Ba 51Bb 55b
	Pop_CZ	17b 14Ba 18b 1835b 8Bb
171	Pop_CFPxCZ	51Ba 52Bb 62b 61b 56b
	Pop_CZ	3b 25b 17a 16a 2b
172	Pop_CFPxCZ	63b 52Bb 61b 65Ba 62a
	Pop_CZ	3a 23a 1836a 26a 24Bb
173	Pop_CFPxCZ	62a 52Ba 55b 57Ba 66b
	Pop_CZ	23b 20a 1a 16b 6a
174	Pop_CFPxCZ	66a 57Ba 58Ba 55a 54b
	Pop_CZ	7b 24Ba 19b 22b 1835a
175	Pop_CFPxCZ	57Bb 63a 51Ba 55b 64a
	Pop_CZ	22b 20b 20a 25a 2b
176	Pop_CFPxCZ	57Ba 52Ba 63a 53a 66a
	Pop_CZ	4b 88b 25a 3b 7b
177	Pop_CFPxCZ	65Bb 63a 58Ba 66b 55b
	Pop_CZ	3b 20a 1835a 23b 15a
178	Pop_CFPxCZ	55b 51Bb 53a 58Bb 64a
	Pop_CZ	1b 14Ba 3a 88a 1835b
179	Pop_CFPxCZ	59b 56a 58Ba 52Bb 54b
	Pop_CZ	20b 24Bb 7b 15a 15b
180	Pop_CFPxCZ	61b 56b 64a 55a 58Ba
	Pop_CZ	1835b 16a 9b 9a 88b
181	Pop_CFPxCZ	58Ba 51Bb 66b 56b 55b
	Pop_CZ	14Ba 25a 15a 24Bb 5Ba
182	Pop_CFPxCZ	65Bb 58Bb 62b 58Ba 51Ba
	Pop_CZ	26a 7b 3a 8Ba 4b
183	Pop_CFPxCZ	66a 59a 66b 57Bb 53b
	Pop_CZ	8Bb 9a 5Bb 21a 25b
184	Pop_CFPxCZ	66a 58Bb 51Bb 56b 61a
	Pop_CZ	14Bb 26a 1b 20b 15b
185	Pop_CFPxCZ	57Bb 57Ba 51Bb 58Ba 63b
	Pop_CZ	24Bb 2a 14Ba 15b 1836a
186	Pop_CFPxCZ	54a 65Bb 65Ba 63a 59a
	Pop_CZ	21a 3a 23a 5Bb 23b
187	Pop_CFPxCZ	65Bb 61a 64b 66a 59a
	Pop_CZ	22a 19a 4a 15b 25a
188	Pop_CFPxCZ	64a 59a 63a 61b 58Bb
	Pop_CZ	14Ba 26b 21a 23a 4a
189	Pop_CFPxCZ	52Ba 58Ba 64a 65Ba 66a
	Pop_CZ	6b 21a 16b 1a 25b
190	Pop_CFPxCZ	58Ba 66a 64a 63a 61a
	Pop_CZ	26a 88b 16b 3a 5Bb
191	Pop_CFPxCZ	54a 64a 54b 58Bb 51Ba



Locus	Population	Individuals
	Pop_CZ	1a 14Bb 22b 3b 1836b
192	Pop_CFPxCZ	61b 56a 54a 58Bb 65Bb
	Pop_CZ	1836a 21a 8Bb 9b 15b
193	Pop_CFPxCZ	56b 58Ba 52Ba 65Ba 54a
	Pop_CZ	25a 88b 23b 24Ba 21a
194	Pop_CFPxCZ	58Ba 59a 65Ba 64a 62b
	Pop_CZ	14Ba 1835a 25a 2a 25b
195	Pop_CFPxCZ	57Ba 63a 59a 63b 55b
	Pop_CZ	4b 18b 1835a 1835b 14Ba
196	Pop_CFPxCZ	56b 51Ba 56a 54b 61b
	Pop_CZ	14Bb 24Ba 3a 26b 4a
197	Pop_CFPxCZ	66b 56a 53b 55a 62b
	Pop_CZ	3b 20a 6b 19b 16b
198	Pop_CFPxCZ	59b 61a 51Ba 52Bb 58Ba
	Pop_CZ	7b 6a 25b 23a 7a
199	Pop_CFPxCZ	55b 56b 65Ba 54a 62a
	Pop_CZ	22b 1835a 18b 23a 1836b
200	Pop_CFPxCZ	65Bb 56b 59a 63b 56a
	Pop_CZ	7a 15b 3a 18b 7b
201	Pop_CFPxCZ	57Bb 58Bb 54b 63a 66a
	Pop_CZ	3a 8Ba 1836a 20b 21a
202	Pop_CFPxCZ	53a 51Ba 66b 57Ba 58Ba
	Pop_CZ	1a 2a 23a 16a 16b
203	Pop_CFPxCZ	58Bb 54a 58Ba 66b 55b
	Pop_CZ	1836a 1b 15b 18a 5Bb
204	Pop_CFPxCZ	66a 59a 52Bb 58Bb 51Ba
	Pop_CZ	26b 1836a 19b 16a 24Bb
205	Pop_CFPxCZ	52Bb 57Ba 53b 65Ba 59b
	Pop_CZ	5Bb 14Bb 21a 3a 15b
206	Pop_CFPxCZ	59b 62b 58Bb 65Ba 62a
	Pop_CZ	23a 6a 1835b 23b 26a
207	Pop_CFPxCZ	58Bb 66a 57Bb 62b 58Ba
	Pop_CZ	3a 88b 1a 26a 24Bb
208	Pop_CFPxCZ	59b 51Bb 57Bb 56b 66a
	Pop_CZ	25b 26a 21a 22a 15a
209	Pop_CFPxCZ	56b 59b 59a 65Bb 64a
	Pop_CZ	26b 9a 19b 5Ba 88b
210	Pop_CFPxCZ	66a 66b 62a 56a 58Ba
	Pop_CZ	22a 5Ba 23a 16a 18a
211	Pop_CFPxCZ	61a 55a 66a 51Bb 66b
	Pop_CZ	7b 5Bb 17b 1835b 26b
212	Pop_CFPxCZ	59b 56a 58Ba 52Bb 63a
	Pop_CZ	18a 21b 8Ba 19b 4b

Locus	Population	Individuals
213	Pop_CFPxCZ	53b 66b 63a 55a 58Bb
	Pop_CZ	3a 15a 24Bb 23a 16a
214	Pop_CFPxCZ	52Ba 51Bb 54b 66b 57Bb
	Pop_CZ	16a 7a 23a 1836a 24Bb
215	Pop_CFPxCZ	54a 61b 58Bb 58Ba 57Bb
	Pop_CZ	15a 23b 2a 20a 15b
216	Pop_CFPxCZ	63a 62b 57Bb 55a 63b
	Pop_CZ	21b 1836b 25b 1835b 17a
217	Pop_CFPxCZ	54b 64a 58Ba 55b 52Bb
	Pop_CZ	1a 20b 19a 22a 88a
218	Pop_CFPxCZ	63a 56b 57Bb 55a 61a
	Pop_CZ	1835b 20a 3b 5Bb 23a
219	Pop_CFPxCZ	65Ba 51Ba 51Bb 62b 55a
	Pop_CZ	2a 15a 19b 20a 14Ba
220	Pop_CFPxCZ	63a 52Bb 61a 54b 56a
	Pop_CZ	8Bb 26a 88a 23b 22b
221	Pop_CFPxCZ	59b 55a 53a 55b 62b
	Pop_CZ	9b 19a 26b 88b 21b
222	Pop_CFPxCZ	54a 51Ba 57Ba 56a 55b
	Pop_CZ	4b 16a 23b 2a 7b
223	Pop_CFPxCZ	64a 57Bb 53a 61a 52Bb
	Pop_CZ	5Bb 1835a 3a 4b 1836b
224	Pop_CFPxCZ	53a 64b 55b 58Bb 66b
	Pop_CZ	1b 24Ba 1836a 26b 21b
225	Pop_CFPxCZ	51Bb 65Bb 54b 55b 64a
	Pop_CZ	1b 17b 16b 1a 8Bb
226	Pop_CFPxCZ	66a 63b 51Ba 56a 54b
	Pop_CZ	1836a 14Ba 18b 3a 9b
227	Pop_CFPxCZ	59b 55b 57Ba 58Bb 59a
	Pop_CZ	1836a 6a 17a 21b 9a
228	Pop_CFPxCZ	55b 53b 63a 66a 58Bb
	Pop_CZ	19a 5Ba 1b 25a 7a
229	Pop_CFPxCZ	63b 51Bb 57Ba 66a 65Ba
	Pop_CZ	26b 9a 6a 20a 88a
230	Pop_CFPxCZ	61a 62b 66b 58Ba 65Ba
	Pop_CZ	25b 1835b 26a 16b 17b
231	Pop_CFPxCZ	66b 57Bb 64b 53b 56b
	Pop_CZ	17a 19b 24Bb 14Ba 23b
232	Pop_CFPxCZ	66a 65Ba 53b 52Ba 54b
	Pop_CZ	3b 25b 18a 2b 24Bb
233	Pop_CFPxCZ	57Ba 65Ba 55b 63b 52Bb
	Pop_CZ	19a 25b 20b 23b 1836b
234	Pop_CFPxCZ	58Ba 58Bb 65Bb 64a 62a

Locus	Population	Individuals
	Pop_CZ	22b 16b 16a 1835a 1a
235	Pop_CFPxCZ	55a 66a 62a 51Bb 65Bb
	Pop_CZ	14Ba 15b 8Bb 20a 1836a
236	Pop_CFPxCZ	52Bb 61b 65Bb 63a 65Ba
	Pop_CZ	23b 9a 2b 8Ba 21a
237	Pop_CFPxCZ	66b 62b 55b 58Bb 54b
	Pop_CZ	15b 2b 88a 26a 14Bb
238	Pop_CFPxCZ	51Bb 55a 59a 53b 62a
	Pop_CZ	6b 23b 21a 88b 24Bb
239	Pop_CFPxCZ	66b 62b 63b 54b 65Bb
	Pop_CZ	21b 23a 15b 1835b 19a
240	Pop_CFPxCZ	57Ba 52Bb 65Ba 58Ba 63a
	Pop_CZ	4b 4a 3a 23b 2a
241	Pop_CFPxCZ	66a 56a 58Bb 63b 64a
	Pop_CZ	8Ba 88b 21a 7b 26a
242	Pop_CFPxCZ	59a 55b 64b 56a 51Bb
	Pop_CZ	24Bb 5Ba 23a 8Bb 2a
243	Pop_CFPxCZ	62a 54a 52Bb 51Bb 56b
	Pop_CZ	17a 19a 6b 25b 24Ba
244	Pop_CFPxCZ	66a 59b 56a 63a 58Bb
	Pop_CZ	88b 1a 25b 15a 17b
245	Pop_CFPxCZ	63b 64b 51Bb 58Ba 53b
	Pop_CZ	23a 5Ba 3a 1a 23b
246	Pop_CFPxCZ	56b 53b 61b 56a 58Ba
	Pop_CZ	20b 8Ba 7b 3a 24Ba
247	Pop_CFPxCZ	59a 57Ba 51Bb 61b 53a
	Pop_CZ	19a 2b 22b 88a 21b
248	Pop_CFPxCZ	66a 65Bb 62a 58Ba 52Ba
	Pop_CZ	14Ba 3a 88a 17b 22b
249	Pop_CFPxCZ	57Bb 52Ba 53a 51Bb 53b
	Pop_CZ	7b 19b 5Ba 21b 4a
250	Pop_CFPxCZ	59a 65Ba 53a 61b 62a
	Pop_CZ	1835a 2b 26b 6b 5Ba
251	Pop_CFPxCZ	65Bb 51Bb 66a 56b 52Ba
	Pop_CZ	9b 19a 5Bb 17a 22a
252	Pop_CFPxCZ	53b 54b 63a 58Ba 55b
	Pop_CZ	88b 25b 4a 5Bb 7a
253	Pop_CFPxCZ	59b 52Bb 53a 58Ba 55a
	Pop_CZ	88a 1b 24Bb 5Bb 4b
254	Pop_CFPxCZ	66a 64a 65Bb 63a 59a
	Pop_CZ	6b 4b 26a 8Bb 17b
255	Pop_CFPxCZ	52Ba 56b 51Ba 62b 58Bb
	Pop_CZ	15b 5Ba 6a 2b 19a

Locus	Population	Individuals
256	Pop_CFPxCZ	62a 63b 51Ba 52Ba 53a
	Pop_CZ	8Ba 24Bb 18b 17a 25b
257	Pop_CFPxCZ	61b 59b 65Bb 65Ba 52Ba
	Pop_CZ	22b 14Bb 16a 20a 24Ba
258	Pop_CFPxCZ	65Bb 53a 58Bb 51Bb 59b
	Pop_CZ	14Ba 6b 25b 17b 16a
259	Pop_CFPxCZ	63a 61a 66b 64b 58Bb
	Pop_CZ	25b 14Ba 1836a 18a 16a
260	Pop_CFPxCZ	63a 52Bb 62a 52Ba 55b
	Pop_CZ	18a 22b 24Bb 1a 8Bb
261	Pop_CFPxCZ	65Ba 53a 65Bb 54b 66b
	Pop_CZ	14Ba 4a 8Ba 18b 7a
262	Pop_CFPxCZ	63a 57Ba 55a 54b 53a
	Pop_CZ	19a 15b 5Ba 21b 2a
263	Pop_CFPxCZ	62a 58Bb 53a 58Ba 59a
	Pop_CZ	24Bb 25b 16b 26a 22a
264	Pop_CFPxCZ	66a 52Bb 64a 55a 53a
	Pop_CZ	6b 1836a 3b 26a 1b
265	Pop_CFPxCZ	55b 53a 62b 64a 54b
	Pop_CZ	6a 21a 22a 23b 25a
266	Pop_CFPxCZ	63b 61b 53b 65Bb 52Ba
	Pop_CZ	16a 9a 24Bb 14Bb 14Ba
267	Pop_CFPxCZ	54a 64b 56a 54b 59a
	Pop_CZ	5Bb 23a 18a 25a 88a
268	Pop_CFPxCZ	64a 61a 65Ba 51Bb 65Bb
	Pop_CZ	1835a 7a 6a 26a 6b
269	Pop_CFPxCZ	52Bb 57Bb 56a 55a 64a
	Pop_CZ	88b 1835a 22a 3b 7a
270	Pop_CFPxCZ	58Bb 55a 52Ba 54b 62b
	Pop_CZ	8Bb 15b 1836a 20a 22a
271	Pop_CFPxCZ	58Ba 65Bb 52Ba 61a 55b
	Pop_CZ	3a 20a 21a 15b 14Bb
272	Pop_CFPxCZ	66a 63a 62a 57Bb 64a
	Pop_CZ	24Bb 1836b 21b 9b 18a
273	Pop_CFPxCZ	65Bb 61b 59a 54b 63b
	Pop_CZ	4b 21a 4a 5Ba 1836b
274	Pop_CFPxCZ	57Ba 57Bb 64b 64a 65Ba
	Pop_CZ	21b 1a 3a 2b 3b
275	Pop_CFPxCZ	51Ba 61a 58Ba 53a 62a
	Pop_CZ	5Ba 23b 21b 2b 20a
276	Pop_CFPxCZ	56a 61b 57Bb 51Bb 52Bb
	Pop_CZ	3b 15a 25b 19b 2a
277	Pop_CFPxCZ	66a 59b 66b 56a 53b

Locus	Population	Individuals
	Pop_CZ	21a 20a 22a 24Ba 3a
278	Pop_CFPxCZ	58Ba 56b 52Ba 54a 56a
	Pop_CZ	20b 1835a 88b 3a 19a
279	Pop_CFPxCZ	61b 53b 66a 59b 57Ba
	Pop_CZ	88b 4a 21b 88a 7b
280	Pop_CFPxCZ	55b 57Ba 66a 65Ba 59a
	Pop_CZ	22b 15b 1835b 1836b 4b
281	Pop_CFPxCZ	63b 61a 65Bb 51Ba 59a
	Pop_CZ	26a 4b 5Ba 9b 25a
282	Pop_CFPxCZ	58Ba 63a 66b 64a 57Bb
	Pop_CZ	23a 14Bb 18a 23b 15b
283	Pop_CFPxCZ	66b 66a 61a 61b 57Bb
	Pop_CZ	5Ba 2a 88b 1835a 1a
284	Pop_CFPxCZ	59b 52Ba 54b 56b 66b
	Pop_CZ	23b 16a 23a 18a 21a
285	Pop_CFPxCZ	64a 63a 55a 62a 66a
	Pop_CZ	1b 26b 8Ba 9b 25a
286	Pop_CFPxCZ	65Ba 62b 58Bb 56a 63b
	Pop_CZ	22a 25a 20b 2b 18b
287	Pop_CFPxCZ	61b 55b 64b 64a 57Ba
	Pop_CZ	1835b 8Ba 21a 1835a 16a
288	Pop_CFPxCZ	64b 54b 62a 57Bb 55a
	Pop_CZ	4a 4b 14Bb 22a 18b
289	Pop_CFPxCZ	57Ba 57Bb 65Bb 53a 63a
	Pop_CZ	15a 23a 17b 14Bb 9b
290	Pop_CFPxCZ	56a 52Ba 59a 62b 57Ba
	Pop_CZ	17a 9b 25b 20a 23a
291	Pop_CFPxCZ	61b 66a 52Ba 55b 66b
	Pop_CZ	5Bb 7a 21a 6a 24Ba
292	Pop_CFPxCZ	63a 65Bb 66b 62a 66a
	Pop_CZ	16b 19a 21b 7b 4b
293	Pop_CFPxCZ	54a 53b 65Ba 51Bb 56a
	Pop_CZ	1836a 18b 8Bb 6a 24Ba
294	Pop_CFPxCZ	52Ba 61a 53b 51Bb 55b
	Pop_CZ	4a 21b 16a 17a 9b
295	Pop_CFPxCZ	55b 58Ba 51Ba 54a 54b
	Pop_CZ	14Bb 20a 19b 9b 16b
296	Pop_CFPxCZ	58Ba 62b 54a 53a 53b
	Pop_CZ	20b 1835b 25a 1a 20a
297	Pop_CFPxCZ	57Bb 56b 63a 53b 56a
	Pop_CZ	88a 16b 14Ba 18a 2b
298	Pop_CFPxCZ	54a 58Bb 51Bb 53a 61b
	Pop_CZ	22b 88b 1835a 3b 8Ba

Locus	Population	Individuals
299	Pop_CFPxCZ	61a 65Bb 62a 53b 58Bb
	Pop_CZ	3b 2a 25a 14Bb 3a
300	Pop_CFPxCZ	59b 64b 52Bb 55a 52Ba
	Pop_CZ	1835a 15b 19b 9a 2a
301	Pop_CFPxCZ	57Bb 53b 51Ba 56a 58Bb
	Pop_CZ	7b 1836b 2a 22b 23b
302	Pop_CFPxCZ	61b 65Bb 63b 54b 59a
	Pop_CZ	25a 26a 17b 14Bb 8Ba
303	Pop_CFPxCZ	53a 55a 51Ba 64b 51Bb
	Pop_CZ	26a 1835b 4a 6a 7b
304	Pop_CFPxCZ	54b 64a 53b 57Bb 65Bb
	Pop_CZ	19a 15a 6b 21a 18b
305	Pop_CFPxCZ	65Bb 54b 61b 64a 55a
	Pop_CZ	25b 15b 21b 9b 24Ba
306	Pop_CFPxCZ	61b 57Ba 62a 65Bb 51Bb
	Pop_CZ	22a 2a 7b 88b 14Bb
307	Pop_CFPxCZ	64b 59b 63a 55b 57Ba
	Pop_CZ	22b 7b 20b 15b 3a
308	Pop_CFPxCZ	65Bb 57Ba 52Ba 51Bb 56b
	Pop_CZ	4a 24Ba 17a 23a 15a
309	Pop_CFPxCZ	58Bb 63b 65Bb 64a 54b
	Pop_CZ	2a 21a 26a 23a 25a
310	Pop_CFPxCZ	51Ba 58Ba 64a 66a 54b
	Pop_CZ	3a 23b 6a 1a 9b
311	Pop_CFPxCZ	57Ba 51Ba 54a 63b 63a
	Pop_CZ	4a 1835b 9b 26a 14Ba
312	Pop_CFPxCZ	63a 65Ba 52Bb 54a 61a
	Pop_CZ	24Ba 1b 20a 88a 5Ba
313	Pop_CFPxCZ	51Bb 65Ba 53b 66a 53a
	Pop_CZ	2a 9a 1836a 22b 9b
314	Pop_CFPxCZ	59b 59a 54a 52Ba 61a
	Pop_CZ	22b 7b 14Ba 2b 9a
315	Pop_CFPxCZ	66a 53a 51Bb 53b 55b
	Pop_CZ	18a 1836a 3a 26a 15a
316	Pop_CFPxCZ	52Bb 63a 51Bb 62a 58Ba
	Pop_CZ	8Bb 6a 8Ba 23a 25b
317	Pop_CFPxCZ	56a 52Bb 65Bb 51Bb 62a
	Pop_CZ	17a 6b 18a 5Bb 20a
318	Pop_CFPxCZ	64b 55a 62a 61b 54b
	Pop_CZ	20a 18b 16a 25b 19b
319	Pop_CFPxCZ	51Ba 56a 57Bb 53a 53b
	Pop_CZ	6a 1b 26a 5Ba 15a
320	Pop_CFPxCZ	61a 58Bb 52Bb 62b 55b

Locus	Population	Individuals
	Pop_CZ	18a 21a 6b 19b 9a
321	Pop_CFPxCZ	55a 58Ba 52Bb 61a 65Ba
	Pop_CZ	5Bb 17b 14Bb 8Ba 1836b
322	Pop_CFPxCZ	58Ba 52Ba 57Ba 51Bb 53a
	Pop_CZ	20a 6b 22b 18a 17a
323	Pop_CFPxCZ	57Bb 58Bb 54b 65Ba 56a
	Pop_CZ	17a 1835a 3a 7b 15b
324	Pop_CFPxCZ	53a 56a 62b 61a 56b
	Pop_CZ	8Bb 24Bb 88b 14Ba 2b
325	Pop_CFPxCZ	59b 59a 61b 65Bb 58Ba
	Pop_CZ	1b 3b 2a 20a 16a
326	Pop_CFPxCZ	55b 61b 64b 51Ba 55a
	Pop_CZ	14Bb 14Ba 1b 88b 1835b
327	Pop_CFPxCZ	59b 53a 65Bb 57Bb 59a
	Pop_CZ	21a 19a 24Ba 15a 17a
328	Pop_CFPxCZ	66b 56b 65Ba 63a 57Bb
	Pop_CZ	21a 2b 1836b 9b 4b
329	Pop_CFPxCZ	57Ba 58Bb 66a 63b 52Bb
	Pop_CZ	3a 2a 19b 18b 88b
330	Pop_CFPxCZ	51Ba 62b 61b 66a 54b
	Pop_CZ	1835a 1b 16a 4b 2a
331	Pop_CFPxCZ	58Bb 66a 53b 64b 53a
	Pop_CZ	22b 15a 15b 24Bb 21a
332	Pop_CFPxCZ	66a 58Ba 65Ba 56a 51Ba
	Pop_CZ	1835b 6b 19a 7a 16b
333	Pop_CFPxCZ	53b 66a 66b 54a 64a
	Pop_CZ	7a 23b 4a 17a 14Ba
334	Pop_CFPxCZ	59b 63a 66a 51Bb 52Bb
	Pop_CZ	21b 2a 25b 5Ba 23b
335	Pop_CFPxCZ	54a 66a 63b 53a 63a
	Pop_CZ	21b 6a 88a 26a 3a
336	Pop_CFPxCZ	61b 56a 66a 57Bb 64a
	Pop_CZ	1836a 2b 15a 15b 26b
337	Pop_CFPxCZ	59b 51Bb 66b 61a 54b
	Pop_CZ	3a 6b 7a 24Bb 8Ba
338	Pop_CFPxCZ	64b 65Bb 57Bb 62a 61b
	Pop_CZ	15b 3b 14Bb 20b 22b
339	Pop_CFPxCZ	55a 59b 54b 51Bb 62a
	Pop_CZ	24Bb 19b 20b 17b 24Ba
340	Pop_CFPxCZ	61b 51Ba 64b 59b 53b
	Pop_CZ	25a 1836b 1b 19a 1835a
341	Pop_CFPxCZ	63a 51Bb 54a 64b 54b
	Pop_CZ	22a 6a 25a 14Bb 4a

Locus	Population	Individuals
342	Pop_CFPxCZ	64b 53a 58Ba 51Ba 61b
	Pop_CZ	3a 15a 21a 19b 4b
343	Pop_CFPxCZ	66a 61b 66b 62b 59b
	Pop_CZ	4a 5Ba 8Ba 1835a 9a
344	Pop_CFPxCZ	61b 52Ba 56b 63a 55a
	Pop_CZ	16b 3b 1a 9b 8Bb
345	Pop_CFPxCZ	54a 64a 63a 66b 52Bb
	Pop_CZ	9a 18b 1835b 18a 2b
346	Pop_CFPxCZ	55b 52Bb 58Bb 51Bb 59b
	Pop_CZ	15a 1835b 2a 20b 4b
347	Pop_CFPxCZ	66a 65Bb 64b 65Ba 61b
	Pop_CZ	6a 14Ba 2a 3a 7b
348	Pop_CFPxCZ	51Ba 61b 59a 62b 53a
	Pop_CZ	8Bb 21a 88a 7a 5Ba
349	Pop_CFPxCZ	54b 59a 55b 66b 53a
	Pop_CZ	23b 25b 2b 5Ba 19a
350	Pop_CFPxCZ	66a 56b 63b 65Ba 59a
	Pop_CZ	1835b 17a 3b 17b 15a
351	Pop_CFPxCZ	65Ba 63b 58Ba 52Bb 58Bb
	Pop_CZ	26b 14Bb 6a 18a 14Ba
352	Pop_CFPxCZ	66b 59b 55a 57Bb 56a
	Pop_CZ	88b 19a 6a 16a 25a
353	Pop_CFPxCZ	53a 65Bb 57Bb 63a 55a
	Pop_CZ	21b 23a 8Bb 2a 4a
354	Pop_CFPxCZ	58Ba 56a 66a 64a 57Bb
	Pop_CZ	19a 25b 21a 1835a 1b
355	Pop_CFPxCZ	66a 53b 64a 63b 55b
	Pop_CZ	16b 19b 24Ba 5Ba 18a
356	Pop_CFPxCZ	56b 61b 58Bb 54a 59b
	Pop_CZ	24Bb 7a 1836b 21b 20a
357	Pop_CFPxCZ	56b 51Ba 54b 56a 65Bb
	Pop_CZ	7a 4b 9b 14Ba 3b
358	Pop_CFPxCZ	58Bb 55b 59a 58Ba 62b
	Pop_CZ	20a 1835a 25a 17b 25b
359	Pop_CFPxCZ	63b 57Ba 53b 58Bb 65Ba
	Pop_CZ	21a 20a 88a 14Ba 2a
360	Pop_CFPxCZ	54a 63b 53a 55a 53b
	Pop_CZ	15b 3b 26b 6a 4b
361	Pop_CFPxCZ	59b 61a 66a 52Ba 57Ba
	Pop_CZ	23a 26a 7a 17b 3a
362	Pop_CFPxCZ	52Bb 59b 51Ba 52Ba 56b
	Pop_CZ	1836b 18b 1b 22a 8Bb
363	Pop_CFPxCZ	65Bb 59b 54a 51Ba 55b



Locus	Population	Individuals
	Pop_CZ	5Bb 23a 19a 15a 3a
364	Pop_CFPxCZ	51Ba 54b 64b 61b 63a
	Pop_CZ	14Ba 9a 19b 15a 2a
365	Pop_CFPxCZ	66a 56a 58Ba 53a 51Ba
	Pop_CZ	21a 1836b 22a 26a 8Ba
366	Pop_CFPxCZ	58Ba 63a 51Ba 64a 59b
	Pop_CZ	26b 22a 14Bb 18a 15a
367	Pop_CFPxCZ	53a 52Bb 58Ba 64b 55b
	Pop_CZ	23a 20a 17b 26a 2b
368	Pop_CFPxCZ	52Bb 66a 64b 55b 53b
	Pop_CZ	1836b 22a 23a 3a 1835a
369	Pop_CFPxCZ	59b 53b 58Ba 64a 51Ba
	Pop_CZ	7a 1835a 24Bb 24Ba 18b
370	Pop_CFPxCZ	64b 53b 62a 55a 54b
	Pop_CZ	1835b 16a 15b 14Bb 26a
371	Pop_CFPxCZ	65Ba 64b 56a 57Ba 57Bb
	Pop_CZ	20a 5Bb 88b 7a 16a
372	Pop_CFPxCZ	56a 51Bb 54a 61b 63b
	Pop_CZ	4b 9b 19a 88a 26b
373	Pop_CFPxCZ	53b 66a 66b 59b 52Bb
	Pop_CZ	20b 7b 24Ba 88a 23b
374	Pop_CFPxCZ	61a 66b 57Bb 62b 56b
	Pop_CZ	1b 16a 23a 2a 25a
375	Pop_CFPxCZ	52Ba 66b 63a 61b 53a
	Pop_CZ	21a 4b 22b 6a 23b
376	Pop_CFPxCZ	65Bb 59a 65Ba 59b 63a
	Pop_CZ	25b 25a 23b 9b 26b
377	Pop_CFPxCZ	55a 55b 61b 66b 51Bb
	Pop_CZ	26b 16b 18a 1835a 21a
378	Pop_CFPxCZ	64a 66b 58Bb 62a 57Bb
	Pop_CZ	88a 15a 15b 21b 26a
379	Pop_CFPxCZ	51Bb 54b 61a 53a 55b
	Pop_CZ	1835a 19b 18a 22a 19a
380	Pop_CFPxCZ	59a 61b 63a 65Bb 66a
	Pop_CZ	2b 18b 25a 7a 1836b
381	Pop_CFPxCZ	59a 58Bb 53b 65Bb 58Ba
	Pop_CZ	25b 1b 9b 3a 19a
382	Pop_CFPxCZ	62a 52Bb 62b 59b 57Ba
	Pop_CZ	26b 6a 22b 5Ba 15b
383	Pop_CFPxCZ	51Ba 65Bb 54a 53b 58Ba
	Pop_CZ	4a 8Bb 5Ba 2a 20a
384	Pop_CFPxCZ	64b 58Bb 66a 57Bb 59b
	Pop_CZ	15a 23a 3b 4b 16a

Locus	Population	Individuals
385	Pop_CFPxCZ	52Ba 57Ba 56b 59b 57Bb
	Pop_CZ	22b 4b 15a 88b 4a
386	Pop_CFPxCZ	58Bb 61b 61a 51Bb 52Bb
	Pop_CZ	25b 23a 17a 1836b 4b
387	Pop_CFPxCZ	56b 64b 63b 65Ba 66b
	Pop_CZ	19a 1835b 1835a 1b 4b
388	Pop_CFPxCZ	65Ba 56b 54b 57Ba 58Bb
	Pop_CZ	15a 16a 22b 18a 24Bb
389	Pop_CFPxCZ	63b 55a 54b 66a 61b
	Pop_CZ	9a 5Ba 6b 14Bb 19b
390	Pop_CFPxCZ	65Ba 54b 52Ba 51Ba 66b
	Pop_CZ	1835a 4a 6b 9a 18a
391	Pop_CFPxCZ	64a 57Ba 63a 56a 58Bb
	Pop_CZ	1835b 88b 1835a 18a 7a
392	Pop_CFPxCZ	63b 65Ba 62a 54a 65Bb
	Pop_CZ	5Ba 15b 15a 1835b 1836b
393	Pop_CFPxCZ	64a 55b 61b 53a 51Bb
	Pop_CZ	6a 7a 2b 21a 25a
394	Pop_CFPxCZ	55a 63a 56a 58Bb 62b
	Pop_CZ	21b 8Bb 8Ba 19a 1836a
395	Pop_CFPxCZ	66a 52Bb 54a 55a 54b
	Pop_CZ	4b 5Bb 25b 26a 1a
396	Pop_CFPxCZ	52Ba 54a 51Bb 57Bb 62b
	Pop_CZ	22a 88a 21b 5Ba 17b
397	Pop_CFPxCZ	52Ba 61b 53a 64b 58Ba
	Pop_CZ	26a 1b 1a 9b 22a
398	Pop_CFPxCZ	59b 58Ba 54b 55b 61a
	Pop_CZ	19a 25a 1836b 20b 14Bb
399	Pop_CFPxCZ	58Ba 63a 55a 59b 56a
	Pop_CZ	8Ba 1836a 1b 20a 26b
400	Pop_CFPxCZ	51Bb 66b 63a 51Ba 56a
	Pop_CZ	1836a 7b 15b 1a 88a
401	Pop_CFPxCZ	56b 61a 51Ba 56a 51Bb
	Pop_CZ	5Ba 20b 1835a 5Bb 24Ba
402	Pop_CFPxCZ	59a 62b 64b 66b 64a
	Pop_CZ	24Bb 5Bb 1835b 20b 16b
403	Pop_CFPxCZ	59b 62b 53a 51Bb 65Bb
	Pop_CZ	19b 25b 2a 6b 24Ba
404	Pop_CFPxCZ	59b 65Ba 57Bb 58Bb 54b
	Pop_CZ	19b 88a 14Ba 18a 21b
405	Pop_CFPxCZ	54b 58Bb 64b 53a 52Bb
	Pop_CZ	88b 1835b 21b 9a 26b
406	Pop_CFPxCZ	51Bb 57Bb 65Bb 57Ba 53a

Locus	Population	Individuals
	Pop_CZ	3a 6b 14Bb 22a 3b
407	Pop_CFPxCZ	65Bb 51Bb 56a 58Ba 64a
	Pop_CZ	22a 17b 2a 5Ba 14Bb
408	Pop_CFPxCZ	63a 56b 57Ba 56a 53b
	Pop_CZ	4a 16a 19a 15a 14Ba
409	Pop_CFPxCZ	57Bb 62b 66a 63a 53a
	Pop_CZ	1835a 7b 25a 14Bb 14Ba
410	Pop_CFPxCZ	54b 59b 58Bb 53b 63a
	Pop_CZ	19b 14Bb 18b 21a 2a
411	Pop_CFPxCZ	65Bb 51Ba 64a 52Bb 55a
	Pop_CZ	24Bb 19b 15a 9b 3a
412	Pop_CFPxCZ	61a 54a 52Bb 51Ba 53b
	Pop_CZ	4a 23a 88a 19b 1836a
413	Pop_CFPxCZ	55a 51Bb 53b 53a 52Bb
	Pop_CZ	1835b 14Bb 25b 88a 1b
414	Pop_CFPxCZ	58Bb 61b 52Ba 56b 53b
	Pop_CZ	6a 1835b 88a 1836a 14Bb
415	Pop_CFPxCZ	65Ba 54a 63b 51Ba 57Bb
	Pop_CZ	7a 8Ba 16b 20b 20a
416	Pop_CFPxCZ	64a 54b 63a 66b 55a
	Pop_CZ	15b 8Ba 16a 22b 2a
417	Pop_CFPxCZ	57Bb 52Ba 62b 59b 51Ba
	Pop_CZ	6a 22a 1836b 7a 6b
418	Pop_CFPxCZ	56b 51Bb 57Ba 66b 59b
	Pop_CZ	1a 88b 9a 19a 23a
419	Pop_CFPxCZ	64b 65Ba 63a 62b 65Bb
	Pop_CZ	20b 16b 19a 2a 23a
420	Pop_CFPxCZ	59a 51Bb 53a 58Bb 65Ba
	Pop_CZ	17a 9b 6b 18b 19a
421	Pop_CFPxCZ	61a 55b 56a 62b 54a
	Pop_CZ	17a 88b 3b 8Ba 2a
422	Pop_CFPxCZ	66a 66b 52Ba 62a 53a
	Pop_CZ	15b 7b 9a 16a 21b
423	Pop_CFPxCZ	59a 63a 53b 52Ba 55a
	Pop_CZ	17b 21a 19b 18b 5Bb
424	Pop_CFPxCZ	55a 66b 61b 52Ba 51Ba
	Pop_CZ	19a 1835a 25b 1836b 4b
425	Pop_CFPxCZ	56a 52Ba 57Bb 65Bb 53a
	Pop_CZ	18a 5Ba 9b 23a 8Ba
426	Pop_CFPxCZ	61b 59b 51Ba 55a 56b
	Pop_CZ	8Bb 15b 14Ba 88b 1836b
427	Pop_CFPxCZ	62a 53a 56b 56a 59a
	Pop_CZ	20b 6b 2b 5Ba 1835b

Locus	Population	Individuals
428	Pop_CFPxCZ	55b 59a 52Ba 65Ba 64a
	Pop_CZ	7a 19b 1835a 8Bb 24Bb
429	Pop_CFPxCZ	63b 64a 65Bb 59b 51Ba
	Pop_CZ	3a 16a 22a 20a 88a
430	Pop_CFPxCZ	54b 57Bb 66a 58Bb 63a
	Pop_CZ	21a 18b 20b 1835a 1835b
431	Pop_CFPxCZ	52Ba 53b 62a 63b 66a
	Pop_CZ	17a 6b 20a 5Ba 3b
432	Pop_CFPxCZ	56b 54a 61b 53b 57Bb
	Pop_CZ	25a 8Bb 16b 14Ba 19b
433	Pop_CFPxCZ	64b 58Ba 51Ba 66b 63a
	Pop_CZ	1836b 19b 14Bb 22a 7b
434	Pop_CFPxCZ	64a 55a 53b 63a 52Ba
	Pop_CZ	7a 22a 25a 1b 21a
435	Pop_CFPxCZ	51Ba 54a 57Ba 59b 52Bb
	Pop_CZ	9a 23a 15b 5Bb 9b
436	Pop_CFPxCZ	52Bb 54a 56b 63a 66b
	Pop_CZ	1835a 88a 8Ba 20b 25b
437	Pop_CFPxCZ	64b 55b 53b 61b 65Bb
	Pop_CZ	6b 9b 20a 2a 16a
438	Pop_CFPxCZ	55b 53b 57Ba 61b 58Bb
	Pop_CZ	26a 1a 14Ba 22b 6a
439	Pop_CFPxCZ	64b 65Bb 58Bb 54b 59a
	Pop_CZ	9b 25b 21b 20a 23a
440	Pop_CFPxCZ	59b 54a 51Bb 66a 57Bb
	Pop_CZ	3b 2a 88b 16a 25a
441	Pop_CFPxCZ	63a 53b 52Ba 61a 51Bb
	Pop_CZ	16b 6a 5Bb 26b 4a
442	Pop_CFPxCZ	66a 51Bb 58Bb 59b 61a
	Pop_CZ	19a 7b 24Bb 1835a 18a
443	Pop_CFPxCZ	63a 52Ba 55b 53b 61b
	Pop_CZ	1836b 21b 20a 18b 7b
444	Pop_CFPxCZ	58Bb 66a 51Ba 56b 51Bb
	Pop_CZ	22b 26b 1b 15a 6a
445	Pop_CFPxCZ	57Bb 59a 51Bb 57Ba 52Bb
	Pop_CZ	19b 9a 1836a 14Ba 4a
446	Pop_CFPxCZ	58Ba 52Bb 61b 53a 56a
	Pop_CZ	2b 15a 5Bb 19a 7a
447	Pop_CFPxCZ	64a 57Bb 54b 66a 55b
	Pop_CZ	26a 17a 26b 23b 20a
448	Pop_CFPxCZ	59a 65Ba 63a 65Bb 66b
	Pop_CZ	26a 1835a 1b 20b 2b
449	Pop_CFPxCZ	55a 53b 66a 53a 66b

Locus	Population	Individuals
	Pop_CZ	6a 2b 22b 8Ba 3a
450	Pop_CFPxCZ	58Ba 52Ba 66b 51Bb 53b
	Pop_CZ	88b 6b 21a 9a 17a
451	Pop_CFPxCZ	51Ba 65Ba 51Bb 53b 62a
	Pop_CZ	7b 9a 23a 19b 23b
452	Pop_CFPxCZ	55b 54a 61a 63a 66b
	Pop_CZ	22b 14Ba 17b 22a 19b
453	Pop_CFPxCZ	53a 65Bb 63b 63a 52Bb
	Pop_CZ	6b 18b 17a 26a 23b
454	Pop_CFPxCZ	55a 57Bb 51Bb 53a 54a
	Pop_CZ	3b 17b 22a 14Ba 24Ba
455	Pop_CFPxCZ	62a 51Bb 51Ba 58Bb 63b
	Pop_CZ	4b 6a 7b 88a 22a
456	Pop_CFPxCZ	59a 58Bb 52Bb 57Ba 54b
	Pop_CZ	88a 1835b 17a 20b 88b
457	Pop_CFPxCZ	52Bb 54b 66a 53b 52Ba
	Pop_CZ	21b 2b 3b 19a 20a
458	Pop_CFPxCZ	58Ba 51Bb 55b 65Ba 64a
	Pop_CZ	18a 23a 20a 21a 24Ba
459	Pop_CFPxCZ	63a 61b 65Bb 57Bb 54b
	Pop_CZ	8Ba 20a 2b 19a 16b
460	Pop_CFPxCZ	63a 61b 56b 55b 51Bb
	Pop_CZ	17b 6a 5Ba 22a 8Bb
461	Pop_CFPxCZ	58Ba 53b 62b 54b 63a
	Pop_CZ	8Bb 8Ba 23a 88b 24Bb
462	Pop_CFPxCZ	63b 64a 57Ba 59b 52Ba
	Pop_CZ	18a 19b 7b 4b 26a
463	Pop_CFPxCZ	53a 65Bb 57Ba 62a 63b
	Pop_CZ	1836b 25b 23a 22b 6a
464	Pop_CFPxCZ	51Ba 59a 62b 55a 54a
	Pop_CZ	18a 26a 17a 6a 21a
465	Pop_CFPxCZ	63b 55b 58Bb 62b 65Ba
	Pop_CZ	24Ba 8Ba 2a 2b 22b
466	Pop_CFPxCZ	52Ba 59b 61b 63b 56a
	Pop_CZ	25a 1836a 23a 1836b 22a
467	Pop_CFPxCZ	56a 59b 58Ba 62a 66a
	Pop_CZ	23b 5Ba 19a 25a 6b
468	Pop_CFPxCZ	59b 52Ba 55b 54a 57Ba
	Pop_CZ	16b 17a 7a 3a 19a
469	Pop_CFPxCZ	59b 63a 55a 57Bb 66b
	Pop_CZ	17a 24Ba 22a 1836a 25a
470	Pop_CFPxCZ	62a 51Ba 55b 56b 64a
	Pop_CZ	3a 17a 1835b 26a 14Bb

Locus	Population	Individuals
471	Pop_CFPxCZ	61b 54b 58Ba 52Ba 59b
	Pop_CZ	4b 6a 16b 88a 14Bb
472	Pop_CFPxCZ	61a 55b 61b 59b 59a
	Pop_CZ	20a 14Bb 22b 5Bb 9b
473	Pop_CFPxCZ	57Ba 63b 65Ba 62a 52Bb
	Pop_CZ	21b 8Ba 15a 16a 1b
474	Pop_CFPxCZ	53b 66b 58Bb 58Ba 62a
	Pop_CZ	24Ba 17a 1a 25a 18a
475	Pop_CFPxCZ	57Bb 62b 55b 62a 52Ba
	Pop_CZ	17b 20b 14Bb 88a 22b
476	Pop_CFPxCZ	59b 59a 61b 51Ba 51Bb
	Pop_CZ	19b 1a 19a 9a 26b
477	Pop_CFPxCZ	59b 56a 55a 64b 57Ba
	Pop_CZ	14Bb 19b 1835b 18b 18a
478	Pop_CFPxCZ	63b 55b 65Ba 64b 66b
	Pop_CZ	6b 14Ba 1835b 14Bb 23a
479	Pop_CFPxCZ	52Bb 65Ba 51Ba 62b 56b
	Pop_CZ	2b 1836a 26b 23b 19b
480	Pop_CFPxCZ	51Bb 64b 62b 64a 63b
	Pop_CZ	26b 5Ba 5Bb 6a 18a
481	Pop_CFPxCZ	53a 61b 66a 62b 51Ba
	Pop_CZ	20a 4a 16a 20b 9b
482	Pop_CFPxCZ	56b 54a 51Bb 51Ba 65Bb
	Pop_CZ	20b 26a 20a 2b 26b
483	Pop_CFPxCZ	63a 59b 61a 53a 66b
	Pop_CZ	1835a 21b 14Ba 26b 16a
484	Pop_CFPxCZ	54b 52Bb 65Bb 56a 65Ba
	Pop_CZ	18a 88b 26b 6a 14Bb
485	Pop_CFPxCZ	61b 55a 56a 59b 58Ba
	Pop_CZ	2b 6b 1b 16b 7a
486	Pop_CFPxCZ	55b 66a 56a 59b 55a
	Pop_CZ	1b 6b 26a 25a 15b
487	Pop_CFPxCZ	59b 52Ba 51Bb 56b 54a
	Pop_CZ	9b 4b 16a 25a 7b
488	Pop_CFPxCZ	61a 55a 56b 66b 57Bb
	Pop_CZ	20b 20a 18b 26a 15a
489	Pop_CFPxCZ	52Ba 58Bb 53a 56b 52Bb
	Pop_CZ	26b 16b 23b 22a 21b
490	Pop_CFPxCZ	54b 65Ba 52Bb 58Ba 56b
	Pop_CZ	16b 22a 20a 8Ba 2b
491	Pop_CFPxCZ	66b 58Bb 56b 65Bb 62b
	Pop_CZ	21a 19a 16a 20b 1835a
492	Pop_CFPxCZ	58Bb 63a 51Bb 66b 53a

Locus	Population	Individuals
	Pop_CZ	21a 22b 88b 6a 9b
493	Pop_CFPxCZ	57Ba 64b 65Bb 63a 54a
	Pop_CZ	26a 21b 8Ba 3b 1835b
494	Pop_CFPxCZ	66b 59a 56b 58Ba 65Bb
	Pop_CZ	23b 2a 25b 1835a 88b
495	Pop_CFPxCZ	55b 64a 59a 51Bb 56a
	Pop_CZ	2b 16a 1b 1836b 4b
496	Pop_CFPxCZ	65Ba 59a 58Ba 54a 53b
	Pop_CZ	14Ba 4a 24Bb 20b 16b
497	Pop_CFPxCZ	51Bb 66b 66a 58Ba 64a
	Pop_CZ	1835a 2b 22b 16a 26b
498	Pop_CFPxCZ	52Bb 53a 63a 62b 54b
	Pop_CZ	9a 16b 7a 17a 8Bb
499	Pop_CFPxCZ	54b 54a 65Ba 63b 59b
	Pop_CZ	25b 88a 4a 19b 25a
500	Pop_CFPxCZ	54b 55b 65Bb 65Ba 52Bb
	Pop_CZ	15b 23a 16a 2a 3b

## *Bayesian Analysis: Posterior distribution table*

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
All	$\Theta_1$	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001	0.00000
All	$\Theta_2$	0.00000	0.00000	0.00000	0.00001	0.00001	0.00001	0.00000
All	$M_{2 \rightarrow 1}$	23433.333	23666.667	23750.000	23800.000	23866.667	23750.000	23699.393
All	$M_{1 \rightarrow 2}$	23366.667	23633.333	23750.000	23800.000	23866.667	23750.000	23670.722

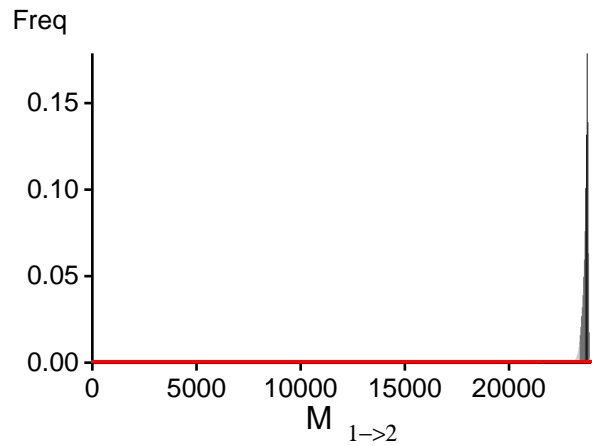
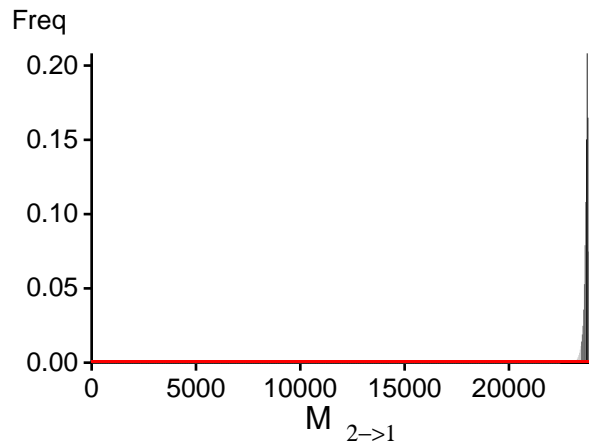
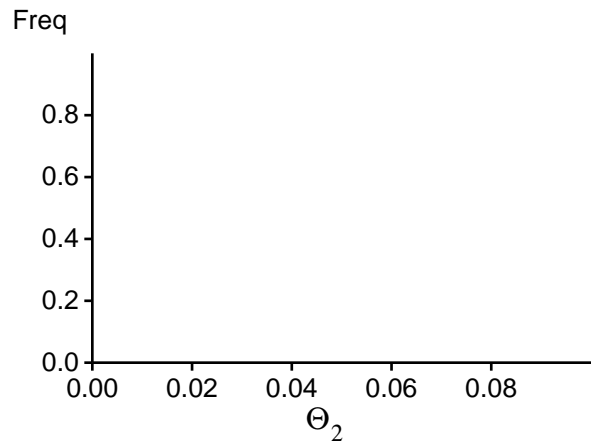
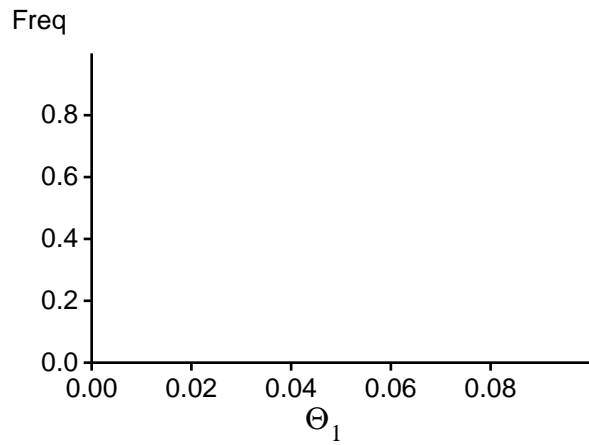
### Citation suggestions:

Beerli P., 2006. Comparison of Bayesian and maximum-likelihood inference of population genetic parameters.  
*Bioinformatics* 22:341-345

Beerli P., 2009. How to use MIGRATE or why are Markov chain Monte Carlo programs difficult to use?  
 In *Population Genetics for Animal Conservation*, G. Bertorelle, M. W. Bruford, H. C. Hauffe, A. Rizzoli,  
 and C. Vernesi, eds., vol. 17 of *Conservation Biology*, Cambridge University Press, Cambridge UK, pp. 42-79.



*Bayesian Analysis: Posterior distribution over all loci*



## *Log-Probability of the data given the model (marginal likelihood)*

Use this value for Bayes factor calculations:

BF =  $\text{Exp}[\ln(\text{Prob}(D \mid \text{thisModel}) - \ln(\text{Prob}(D \mid \text{otherModel}))]$

or as LBF =  $2 (\ln(\text{Prob}(D \mid \text{thisModel}) - \ln(\text{Prob}(D \mid \text{otherModel})))$

shows the support for thisModel]

Locus	Raw thermodynamic score(1a)	Bezier approximation score(1b)	Harmonic mean(2)
1	-248.02	-244.78	-238.31
2	-201.81	-199.79	-201.82
3	-234.56	-230.51	-232.48
4	-191.49	-189.59	-191.49
5	-235.01	-232.84	-234.33
6	-220.21	-216.52	-215.35
7	-190.43	-188.55	-190.43
8	-207.18	-205.12	-207.21
9	-223.56	-218.52	-218.04
10	-192.63	-190.73	-192.63
11	-188.10	-186.24	-188.10
12	-191.24	-189.35	-191.24
13	-194.64	-192.71	-194.64
14	-191.84	-189.94	-191.84
15	-206.16	-204.10	-206.13
16	-195.09	-193.16	-195.09
17	-222.88	-220.61	-222.64
18	-220.20	-217.96	-220.04
19	-180.32	-178.53	-180.32
20	-192.28	-190.38	-192.28
21	-229.62	-227.78	-223.19
22	-211.39	-209.75	-203.91
23	-203.33	-201.30	-203.34
24	-215.40	-212.19	-206.48
25	-219.00	-216.77	-219.03
26	-252.70	-247.95	-241.10
27	-201.90	-199.88	-201.90
28	-221.86	-219.60	-221.73
29	-192.62	-190.71	-192.62

30	-208.85	-205.11	-206.63
31	-233.91	-231.43	-233.85
32	-193.18	-191.27	-193.18
33	-206.77	-204.71	-206.74
34	-226.51	-220.29	-220.94
35	-192.52	-190.61	-192.52
36	-210.35	-206.67	-208.23
37	-198.10	-196.14	-198.10
38	-209.33	-207.23	-209.33
39	-189.36	-187.49	-189.36
40	-265.59	-255.87	-247.95
41	-245.91	-240.70	-233.89
42	-207.48	-205.41	-207.53
43	-208.82	-205.03	-206.63
44	-202.41	-200.39	-202.32
45	-192.78	-190.87	-192.78
46	-191.97	-190.07	-191.97
47	-190.62	-188.74	-190.62
48	-208.23	-204.59	-206.15
49	-190.93	-189.04	-190.93
50	-222.83	-220.60	-222.63
51	-183.10	-181.29	-183.10
52	-187.84	-185.98	-187.84
53	-258.19	-255.98	-256.99
54	-226.12	-223.85	-226.10
55	-193.97	-192.05	-193.97
56	-217.66	-215.46	-217.50
57	-225.19	-223.61	-224.20
58	-205.22	-203.17	-205.26
59	-191.35	-189.46	-191.35
60	-194.54	-192.61	-194.54
61	-196.35	-194.39	-196.33
62	-213.07	-211.29	-212.51
63	-191.10	-189.21	-191.10
64	-192.41	-190.50	-192.41
65	-255.64	-244.84	-246.34
66	-225.11	-222.84	-225.04
67	-211.08	-208.92	-211.21
68	-217.84	-213.54	-208.71
69	-195.29	-193.35	-195.29
70	-218.95	-214.71	-208.83
71	-191.20	-189.31	-191.20
72	-189.75	-187.87	-189.75
73	-191.35	-189.46	-191.35
74	-234.39	-230.77	-233.92

75	-187.13	-185.28	-187.13
76	-203.12	-201.08	-203.10
77	-212.44	-208.00	-200.61
78	-214.39	-212.82	-207.51
79	-192.20	-190.30	-192.20
80	-191.38	-189.48	-191.38
81	-216.29	-214.46	-214.82
82	-209.11	-207.02	-209.08
83	-185.54	-183.70	-185.54
84	-256.30	-253.31	-257.28
85	-187.84	-185.98	-187.84
86	-241.72	-240.32	-227.44
87	-190.05	-188.17	-190.05
88	-280.92	-276.97	-279.70
89	-256.06	-249.51	-251.27
90	-229.52	-227.79	-222.69
91	-206.72	-204.65	-206.66
92	-220.46	-217.22	-210.50
93	-190.59	-188.71	-190.59
94	-209.10	-207.01	-209.05
95	-219.19	-217.33	-218.37
96	-192.27	-190.37	-192.27
97	-203.31	-201.27	-203.26
98	-232.76	-229.16	-229.73
99	-188.37	-186.51	-188.37
100	-195.00	-193.07	-195.00
101	-183.75	-181.93	-183.75
102	-257.81	-242.55	-242.10
103	-236.74	-232.80	-234.09
104	-241.88	-239.39	-241.74
105	-215.71	-212.83	-206.94
106	-190.01	-188.13	-190.01
107	-190.75	-188.86	-190.75
108	-202.37	-200.37	-202.37
109	-203.18	-201.14	-203.18
110	-199.67	-197.67	-199.65
111	-190.75	-188.87	-190.76
112	-186.92	-185.07	-186.92
113	-192.41	-190.50	-192.41
114	-208.58	-206.49	-208.59
115	-208.20	-206.12	-208.25
116	-208.36	-206.49	-207.02
117	-233.24	-230.86	-233.10
118	-211.30	-207.54	-209.00
119	-248.89	-240.42	-241.15

120	-191.41	-189.52	-191.41
121	-208.89	-206.80	-208.84
122	-202.58	-200.55	-202.52
123	-189.42	-187.55	-189.43
124	-192.50	-190.59	-192.50
125	-248.95	-240.25	-241.31
126	-191.10	-189.21	-191.10
127	-261.02	-253.72	-246.08
128	-206.49	-202.82	-204.31
129	-224.20	-221.90	-224.13
130	-194.57	-192.65	-194.57
131	-239.09	-236.57	-238.91
132	-226.82	-220.42	-221.90
133	-206.72	-204.66	-206.69
134	-250.05	-241.23	-243.18
135	-260.04	-246.19	-246.65
136	-237.95	-235.44	-237.65
137	-194.18	-192.25	-194.18
138	-188.13	-186.27	-188.13
139	-206.19	-204.12	-206.18
140	-230.77	-229.87	-216.49
141	-192.98	-191.07	-192.98
142	-208.30	-204.68	-206.24
143	-200.54	-198.53	-200.52
144	-193.35	-191.44	-193.35
145	-220.42	-218.86	-213.41
146	-220.11	-217.85	-220.00
147	-189.81	-187.94	-189.81
148	-216.14	-213.23	-207.25
149	-193.15	-191.23	-193.15
150	-206.66	-204.59	-206.64
151	-195.03	-193.10	-195.03
152	-189.93	-188.05	-189.93
153	-185.55	-183.71	-185.55
154	-210.90	-205.98	-207.16
155	-211.09	-207.42	-208.72
156	-215.94	-211.50	-211.46
157	-219.64	-215.88	-217.06
158	-207.23	-205.17	-207.22
159	-198.63	-196.65	-198.65
160	-190.23	-188.35	-190.23
161	-191.22	-189.33	-191.22
162	-192.33	-190.43	-192.33
163	-192.66	-190.75	-192.66
164	-207.93	-205.85	-207.93

165	-265.58	-260.80	-253.90
166	-247.43	-238.73	-239.02
167	-194.56	-192.63	-194.56
168	-194.55	-192.62	-194.55
169	-230.42	-227.43	-221.00
170	-192.12	-190.22	-192.12
171	-247.59	-244.01	-238.32
172	-192.01	-190.11	-192.01
173	-208.36	-206.26	-208.35
174	-211.90	-210.55	-204.34
175	-187.68	-185.82	-187.68
176	-215.83	-214.13	-208.83
177	-218.78	-216.55	-218.78
178	-194.41	-192.49	-194.41
179	-215.97	-214.06	-214.07
180	-220.78	-216.71	-210.29
181	-239.96	-237.10	-224.07
182	-193.55	-191.63	-193.55
183	-193.34	-191.42	-193.34
184	-196.48	-194.54	-196.48
185	-186.27	-184.43	-186.27
186	-194.98	-193.05	-194.98
187	-264.40	-255.26	-249.94
188	-226.88	-222.66	-218.14
189	-193.18	-191.26	-193.18
190	-205.81	-203.76	-205.80
191	-258.51	-254.73	-254.83
192	-235.43	-232.96	-235.33
193	-207.22	-205.16	-207.18
194	-193.64	-191.72	-193.64
195	-224.02	-221.73	-223.90
196	-211.50	-209.38	-211.44
197	-193.36	-191.45	-193.36
198	-263.29	-259.36	-253.37
199	-239.20	-236.64	-238.86
200	-215.09	-213.51	-207.97
201	-208.95	-205.36	-206.65
202	-189.17	-187.29	-189.17
203	-209.55	-207.46	-209.49
204	-235.34	-222.63	-223.02
205	-193.86	-191.94	-193.86
206	-221.51	-218.00	-218.50
207	-206.45	-204.40	-206.47
208	-219.66	-215.12	-208.22
209	-192.14	-190.23	-192.14

210	-214.81	-210.90	-212.58
211	-205.85	-203.79	-205.78
212	-193.05	-191.14	-193.05
213	-208.03	-204.76	-206.50
214	-192.79	-190.88	-192.79
215	-209.28	-207.19	-209.27
216	-208.44	-206.36	-208.40
217	-191.89	-189.99	-191.89
218	-235.49	-231.94	-225.79
219	-192.98	-191.07	-192.98
220	-205.83	-203.77	-205.80
221	-191.50	-189.60	-191.50
222	-206.13	-204.07	-206.13
223	-192.26	-190.36	-192.26
224	-192.62	-190.71	-192.62
225	-218.39	-216.15	-218.25
226	-188.21	-186.35	-188.21
227	-232.10	-229.47	-215.87
228	-236.13	-233.59	-235.77
229	-192.85	-190.94	-192.85
230	-228.73	-223.29	-224.24
231	-235.09	-232.65	-234.95
232	-226.75	-225.09	-219.69
233	-205.01	-202.97	-205.03
234	-185.61	-183.77	-185.61
235	-193.48	-191.57	-193.48
236	-234.69	-232.26	-234.69
237	-246.82	-243.24	-237.75
238	-241.10	-235.21	-224.77
239	-190.76	-188.87	-190.76
240	-194.42	-192.50	-194.42
241	-238.87	-236.35	-238.63
242	-229.32	-223.22	-224.51
243	-210.58	-208.46	-210.56
244	-208.30	-206.21	-208.29
245	-189.29	-187.41	-189.29
246	-194.61	-192.68	-194.61
247	-237.35	-224.63	-224.84
248	-209.03	-206.94	-209.03
249	-183.05	-181.24	-183.05
250	-219.32	-213.89	-216.84
251	-188.56	-186.70	-188.56
252	-192.52	-190.61	-192.52
253	-194.93	-193.00	-194.93
254	-192.76	-190.85	-192.76

255	-232.02	-228.95	-229.89
256	-193.04	-191.13	-193.04
257	-192.13	-190.23	-192.13
258	-189.52	-187.64	-189.52
259	-206.91	-204.84	-206.89
260	-186.07	-184.23	-186.07
261	-190.76	-188.87	-190.76
262	-207.24	-205.17	-207.24
263	-191.04	-189.15	-191.04
264	-189.36	-187.49	-189.36
265	-226.80	-220.34	-221.72
266	-219.03	-215.31	-216.96
267	-206.49	-204.41	-206.50
268	-205.02	-202.97	-205.04
269	-208.29	-206.21	-208.29
270	-232.53	-228.36	-222.59
271	-216.26	-212.42	-207.70
272	-177.46	-175.70	-177.46
273	-238.58	-232.54	-220.84
274	-239.53	-234.41	-235.86
275	-192.22	-190.32	-192.22
276	-223.67	-221.39	-223.63
277	-194.97	-193.04	-194.97
278	-212.29	-208.57	-210.02
279	-301.92	-279.28	-277.80
280	-237.39	-234.90	-237.14
281	-209.62	-207.52	-209.64
282	-188.82	-186.95	-188.82
283	-187.00	-185.15	-187.00
284	-254.19	-251.34	-236.89
285	-225.53	-223.63	-227.40
286	-208.47	-206.38	-208.49
287	-208.42	-204.81	-206.31
288	-194.94	-193.01	-194.94
289	-208.68	-206.59	-208.66
290	-225.04	-222.74	-224.90
291	-219.53	-217.29	-219.44
292	-270.50	-266.60	-258.79
293	-193.62	-191.71	-193.62
294	-191.87	-189.97	-191.87
295	-223.51	-221.24	-223.39
296	-225.40	-221.60	-223.26
297	-207.09	-205.02	-207.07
298	-192.14	-190.24	-192.14
299	-217.08	-214.04	-206.99



300	-193.06	-191.15	-193.06
301	-218.80	-217.06	-218.54
302	-240.24	-236.23	-237.96
303	-184.72	-182.89	-184.72
304	-214.06	-212.41	-206.84
305	-208.43	-206.35	-208.38
306	-183.44	-181.62	-183.44
307	-209.94	-207.84	-209.94
308	-193.73	-191.81	-193.73
309	-194.00	-192.08	-194.00
310	-192.79	-190.88	-192.79
311	-192.71	-190.80	-192.71
312	-228.02	-222.33	-223.86
313	-193.15	-191.24	-193.15
314	-190.90	-189.01	-190.90
315	-239.86	-234.62	-221.38
316	-191.77	-189.87	-191.77
317	-212.24	-210.82	-205.15
318	-209.41	-207.32	-209.43
319	-234.85	-224.76	-225.43
320	-211.64	-209.52	-211.58
321	-193.09	-191.18	-193.09
322	-207.64	-205.57	-207.62
323	-223.01	-219.17	-220.77
324	-192.68	-190.77	-192.68
325	-205.54	-203.49	-205.49
326	-253.69	-248.44	-240.72
327	-195.23	-193.29	-195.23
328	-206.15	-204.10	-206.18
329	-208.42	-204.67	-206.20
330	-236.81	-232.84	-232.31
331	-179.81	-178.03	-179.81
332	-193.22	-191.30	-193.22
333	-220.87	-216.29	-216.99
334	-210.30	-208.21	-210.26
335	-272.39	-264.35	-266.19
336	-186.36	-184.51	-186.36
337	-210.75	-207.65	-199.85
338	-230.67	-229.01	-223.92
339	-218.51	-216.32	-218.55
340	-233.55	-229.97	-226.63
341	-191.87	-189.97	-191.87
342	-190.31	-188.42	-190.31
343	-264.61	-261.62	-263.74
344	-217.79	-214.63	-215.75

345	-193.88	-191.97	-193.88
346	-195.00	-193.07	-195.01
347	-188.90	-187.03	-188.90
348	-205.05	-203.00	-205.05
349	-295.55	-281.09	-275.24
350	-199.76	-197.78	-199.76
351	-193.02	-191.11	-193.02
352	-223.07	-219.97	-212.54
353	-255.06	-240.98	-241.29
354	-282.02	-273.05	-257.88
355	-219.86	-217.61	-219.89
356	-240.94	-239.02	-227.19
357	-192.85	-190.94	-192.85
358	-223.56	-218.03	-219.50
359	-226.24	-222.50	-223.78
360	-251.41	-246.46	-246.00
361	-187.56	-185.70	-187.56
362	-207.18	-203.53	-204.87
363	-263.30	-257.74	-251.64
364	-229.56	-227.95	-222.22
365	-206.03	-203.97	-206.04
366	-264.10	-261.14	-263.48
367	-192.68	-190.77	-192.68
368	-232.33	-229.04	-222.27
369	-203.66	-199.91	-201.43
370	-213.26	-209.78	-205.18
371	-192.96	-191.05	-192.96
372	-225.48	-223.14	-225.62
373	-213.96	-211.74	-214.07
374	-189.98	-188.10	-189.98
375	-284.50	-273.42	-274.14
376	-214.91	-209.08	-210.58
377	-191.96	-190.06	-191.96
378	-253.61	-251.30	-246.02
379	-188.05	-186.19	-188.05
380	-223.64	-221.34	-223.70
381	-200.93	-198.92	-200.95
382	-188.63	-186.77	-188.63
383	-190.61	-188.73	-190.61
384	-206.36	-205.08	-198.75
385	-296.02	-290.45	-278.25
386	-185.61	-183.77	-185.61
387	-218.73	-216.47	-218.69
388	-213.40	-209.57	-211.17
389	-209.35	-207.25	-209.32

390	-217.72	-214.00	-208.08
391	-193.88	-191.96	-193.88
392	-210.05	-206.42	-207.53
393	-213.98	-212.18	-212.20
394	-192.85	-190.94	-192.85
395	-193.66	-191.74	-193.66
396	-232.73	-231.11	-225.08
397	-188.64	-186.78	-188.64
398	-215.97	-212.74	-212.74
399	-194.61	-192.68	-194.61
400	-192.28	-190.38	-192.28
401	-190.26	-188.38	-190.26
402	-209.72	-207.62	-209.70
403	-230.95	-224.13	-225.56
404	-192.27	-190.37	-192.27
405	-225.29	-223.02	-225.25
406	-191.97	-190.07	-191.97
407	-192.86	-190.95	-192.86
408	-242.12	-239.87	-241.36
409	-217.31	-214.23	-207.61
410	-237.95	-229.88	-224.98
411	-239.37	-235.37	-235.92
412	-205.78	-203.73	-205.80
413	-191.84	-189.94	-191.84
414	-220.45	-216.04	-215.03
415	-186.25	-184.41	-186.25
416	-186.73	-184.88	-186.73
417	-188.50	-186.63	-188.50
418	-242.14	-233.47	-234.37
419	-243.81	-239.69	-241.39
420	-226.43	-220.40	-221.34
421	-194.73	-192.80	-194.73
422	-208.89	-206.79	-208.86
423	-216.04	-214.59	-215.91
424	-232.91	-227.56	-226.70
425	-206.45	-204.39	-206.41
426	-206.13	-204.07	-206.11
427	-222.24	-218.44	-219.99
428	-193.02	-191.11	-193.02
429	-223.04	-218.38	-211.37
430	-191.80	-189.90	-191.80
431	-193.71	-191.80	-193.71
432	-230.74	-228.94	-230.66
433	-227.60	-225.64	-221.37
434	-221.62	-218.79	-213.11

435	-193.88	-191.96	-193.88
436	-203.43	-201.40	-203.46
437	-190.85	-188.96	-190.85
438	-235.24	-231.08	-224.27
439	-216.49	-215.03	-209.25
440	-197.70	-195.74	-197.70
441	-186.55	-184.70	-186.55
442	-190.69	-188.80	-190.69
443	-240.45	-236.27	-223.81
444	-189.85	-187.97	-189.85
445	-272.38	-264.92	-257.73
446	-219.44	-214.65	-207.39
447	-246.10	-241.96	-237.44
448	-205.42	-203.38	-205.44
449	-192.18	-190.28	-192.18
450	-228.59	-222.31	-223.83
451	-208.65	-206.57	-208.63
452	-191.58	-189.68	-191.58
453	-215.46	-213.86	-215.32
454	-214.03	-212.51	-207.01
455	-183.90	-182.08	-183.90
456	-221.98	-219.71	-222.08
457	-261.00	-243.05	-242.50
458	-186.58	-184.73	-186.58
459	-239.29	-236.72	-238.90
460	-189.97	-188.09	-189.97
461	-220.93	-216.49	-209.82
462	-210.99	-208.88	-208.15
463	-190.81	-188.92	-190.81
464	-192.59	-190.68	-192.59
465	-193.30	-191.39	-193.30
466	-224.58	-222.29	-224.54
467	-203.64	-201.62	-203.60
468	-238.93	-225.84	-225.76
469	-208.25	-206.18	-208.25
470	-215.61	-214.18	-208.39
471	-203.78	-201.75	-203.73
472	-228.92	-223.17	-224.86
473	-195.90	-193.96	-195.90
474	-252.47	-241.04	-241.13
475	-168.94	-167.27	-168.94
476	-223.41	-218.33	-218.30
477	-174.37	-172.64	-174.37
478	-194.79	-192.87	-194.79
479	-203.49	-201.46	-203.48

480	-209.11	-207.02	-209.09
481	-191.97	-190.07	-191.97
482	-205.03	-202.98	-204.99
483	-187.84	-185.98	-187.84
484	-183.34	-181.53	-183.34
485	-205.24	-203.18	-205.20
486	-208.00	-204.34	-205.89
487	-221.39	-219.12	-221.35
488	-189.86	-187.98	-189.86
489	-209.45	-207.36	-209.47
490	-193.34	-191.42	-193.34
491	-330.04	-316.53	-308.16
492	-190.22	-188.34	-190.22
493	-207.44	-202.77	-204.05
494	-184.61	-182.78	-184.61
495	-241.60	-234.68	-235.78
496	-205.04	-200.40	-201.67
497	-206.80	-203.14	-204.59
498	-255.25	-252.49	-254.57
499	-249.39	-240.57	-241.30
500	-209.64	-207.54	-209.62

All	-100257.79	-98763.64	-98956.89
-----	------------	-----------	-----------

(1a, 1b and 2) are approximations to the marginal likelihood, make sure that the program run long enough!

(1a, 1b) and (2) should give similar results, in principle.

But (2) is overestimating the likelihood, it is presented for historical reasons and should not be used

(1a, 1b) needs heating with chains that span a temperature range of 1.0 to at least 100,000.

(1b) is using a Bezier-curve to get better approximations for runs with low number of heated chains

[Scaling factor = 5521.064285]

Citation suggestions:

Beerli P. and M. Palczewski, 2010. Unified framework to evaluate panmixia and migration direction among multiple sampling locations, *Genetics*, 185: 313-326.

*Acceptance ratios for all parameters and the genealogies*

Parameter	Accepted changes	Ratio
$\Theta_1$	12496793/12496793	1.00000
$\Theta_2$	12505748/12505748	1.00000
$M_{2 \rightarrow 1}$	12495842/12495842	1.00000
$M_{1 \rightarrow 2}$	12502082/12502082	1.00000
Genealogies	3686118/49999535	0.07372

*MCMC-Autocorrelation and Effective MCMC Sample Size*

Parameter	Autocorrelation	Effective Sample Size
$\Theta_1$	0.00905	12943534.19
$\Theta_2$	0.01004	12923366.29
$M_{2 \rightarrow 1}$	0.00747	12982889.89
$M_{1 \rightarrow 2}$	0.00471	13058216.07
Genealogies	0.12362	10518057.67

## *Potential Problems*

This section reports potential problems with your run, but such reporting is often not very accurate. With many parameters in a multilocus analysis, it is very common that some parameters for some loci will not be very informative, triggering suggestions (for example to increase the prior range) that are not sensible. This suggestion tool will improve with time, therefore do not blindly follow its suggestions. If some parameters are flagged, inspect the tables carefully and judge whether an action is required. For example, if you run a Bayesian inference with sequence data, for macroscopic species there is rarely the need to increase the prior for Theta beyond 0.1; but if you use microsatellites it is rather common that your prior distribution for Theta should have a range from 0.0 to 100 or more. With many populations (>3) it is also very common that some migration routes are estimated poorly because the data contains little or no information for that route. Increasing the range will not help in such situations, reducing number of parameters may help in such situations.

Param 3 (Locus 1): Upper prior boundary seems too low!  
 Param 3 (Locus 5): Upper prior boundary seems too low!  
 Param 3 (Locus 8): Upper prior boundary seems too low!  
 Param 3 (Locus 9): Upper prior boundary seems too low!  
 Param 3 (Locus 20): Upper prior boundary seems too low!  
 Param 4 (Locus 21): Upper prior boundary seems too low!  
 Param 4 (Locus 22): Upper prior boundary seems too low!  
 Param 4 (Locus 33): Upper prior boundary seems too low!  
 Param 3 (Locus 38): Upper prior boundary seems too low!  
 Param 4 (Locus 40): Upper prior boundary seems too low!  
 Param 4 (Locus 42): Upper prior boundary seems too low!  
 Param 4 (Locus 44): Upper prior boundary seems too low!  
 Param 3 (Locus 52): Upper prior boundary seems too low!  
 Param 3 (Locus 53): Upper prior boundary seems too low!  
 Param 3 (Locus 59): Upper prior boundary seems too low!  
 Param 3 (Locus 60): Upper prior boundary seems too low!  
 Param 4 (Locus 67): Upper prior boundary seems too low!  
 Param 3 (Locus 68): Upper prior boundary seems too low!  
 Param 4 (Locus 69): Upper prior boundary seems too low!  
 Param 3 (Locus 74): Upper prior boundary seems too low!  
 Param 4 (Locus 77): Upper prior boundary seems too low!  
 Param 4 (Locus 78): Upper prior boundary seems too low!  
 Param 3 (Locus 81): Upper prior boundary seems too low!  
 Param 4 (Locus 81): Upper prior boundary seems too low!  
 Param 4 (Locus 86): Upper prior boundary seems too low!  
 Param 3 (Locus 89): Upper prior boundary seems too low!  
 Param 3 (Locus 91): Upper prior boundary seems too low!



Param 4 (Locus 91): Upper prior boundary seems too low!  
Param 3 (Locus 94): Upper prior boundary seems too low!  
Param 4 (Locus 94): Upper prior boundary seems too low!  
Param 3 (Locus 97): Upper prior boundary seems too low!  
Param 3 (Locus 98): Upper prior boundary seems too low!  
Param 3 (Locus 99): Upper prior boundary seems too low!  
Param 3 (Locus 102): Upper prior boundary seems too low!  
Param 4 (Locus 112): Upper prior boundary seems too low!  
Param 3 (Locus 114): Upper prior boundary seems too low!  
Param 4 (Locus 118): Upper prior boundary seems too low!  
Param 4 (Locus 119): Upper prior boundary seems too low!  
Param 4 (Locus 127): Upper prior boundary seems too low!  
Param 3 (Locus 128): Upper prior boundary seems too low!  
Param 4 (Locus 129): Upper prior boundary seems too low!  
Param 3 (Locus 134): Upper prior boundary seems too low!  
Param 3 (Locus 135): Upper prior boundary seems too low!  
Param 3 (Locus 136): Upper prior boundary seems too low!  
Param 4 (Locus 136): Upper prior boundary seems too low!  
Param 3 (Locus 140): Upper prior boundary seems too low!  
Param 4 (Locus 145): Upper prior boundary seems too low!  
Param 3 (Locus 151): Upper prior boundary seems too low!  
Param 3 (Locus 153): Upper prior boundary seems too low!  
Param 4 (Locus 155): Upper prior boundary seems too low!  
Param 4 (Locus 157): Upper prior boundary seems too low!  
Param 4 (Locus 159): Upper prior boundary seems too low!  
Param 3 (Locus 160): Upper prior boundary seems too low!  
Param 4 (Locus 168): Upper prior boundary seems too low!  
Param 3 (Locus 170): Upper prior boundary seems too low!  
Param 4 (Locus 172): Upper prior boundary seems too low!  
Param 4 (Locus 174): Upper prior boundary seems too low!  
Param 3 (Locus 179): Upper prior boundary seems too low!  
Param 4 (Locus 185): Upper prior boundary seems too low!  
Param 3 (Locus 188): Upper prior boundary seems too low!  
Param 3 (Locus 189): Upper prior boundary seems too low!  
Param 3 (Locus 191): Upper prior boundary seems too low!  
Param 4 (Locus 192): Upper prior boundary seems too low!  
Param 4 (Locus 198): Upper prior boundary seems too low!  
Param 4 (Locus 199): Upper prior boundary seems too low!  
Param 3 (Locus 203): Upper prior boundary seems too low!  
Param 4 (Locus 206): Upper prior boundary seems too low!  
Param 4 (Locus 207): Upper prior boundary seems too low!  
Param 4 (Locus 208): Upper prior boundary seems too low!  
Param 4 (Locus 211): Upper prior boundary seems too low!  
Param 4 (Locus 212): Upper prior boundary seems too low!  
Param 4 (Locus 216): Upper prior boundary seems too low!

Param 3 (Locus 218): Upper prior boundary seems too low!  
Param 4 (Locus 218): Upper prior boundary seems too low!  
Param 3 (Locus 226): Upper prior boundary seems too low!  
Param 4 (Locus 229): Upper prior boundary seems too low!  
Param 3 (Locus 232): Upper prior boundary seems too low!  
Param 3 (Locus 235): Upper prior boundary seems too low!  
Param 3 (Locus 237): Upper prior boundary seems too low!  
Param 4 (Locus 239): Upper prior boundary seems too low!  
Param 4 (Locus 240): Upper prior boundary seems too low!  
Param 3 (Locus 241): Upper prior boundary seems too low!  
Param 4 (Locus 242): Upper prior boundary seems too low!  
Param 4 (Locus 246): Upper prior boundary seems too low!  
Param 3 (Locus 247): Upper prior boundary seems too low!  
Param 3 (Locus 249): Upper prior boundary seems too low!  
Param 3 (Locus 251): Upper prior boundary seems too low!  
Param 3 (Locus 255): Upper prior boundary seems too low!  
Param 3 (Locus 258): Upper prior boundary seems too low!  
Param 3 (Locus 264): Upper prior boundary seems too low!  
Param 4 (Locus 267): Upper prior boundary seems too low!  
Param 3 (Locus 271): Upper prior boundary seems too low!  
Param 4 (Locus 273): Upper prior boundary seems too low!  
Param 3 (Locus 276): Upper prior boundary seems too low!  
Param 3 (Locus 278): Upper prior boundary seems too low!  
Param 4 (Locus 284): Upper prior boundary seems too low!  
Param 3 (Locus 290): Upper prior boundary seems too low!  
Param 3 (Locus 292): Upper prior boundary seems too low!  
Param 3 (Locus 293): Upper prior boundary seems too low!  
Param 4 (Locus 293): Upper prior boundary seems too low!  
Param 3 (Locus 296): Upper prior boundary seems too low!  
Param 4 (Locus 296): Upper prior boundary seems too low!  
Param 3 (Locus 301): Upper prior boundary seems too low!  
Param 3 (Locus 304): Upper prior boundary seems too low!  
Param 3 (Locus 315): Upper prior boundary seems too low!  
Param 4 (Locus 323): Upper prior boundary seems too low!  
Param 4 (Locus 327): Upper prior boundary seems too low!  
Param 4 (Locus 335): Upper prior boundary seems too low!  
Param 3 (Locus 337): Upper prior boundary seems too low!  
Param 3 (Locus 338): Upper prior boundary seems too low!  
Param 4 (Locus 338): Upper prior boundary seems too low!  
Param 4 (Locus 349): Upper prior boundary seems too low!  
Param 3 (Locus 353): Upper prior boundary seems too low!  
Param 4 (Locus 354): Upper prior boundary seems too low!  
Param 3 (Locus 355): Upper prior boundary seems too low!  
Param 4 (Locus 356): Upper prior boundary seems too low!  
Param 3 (Locus 361): Upper prior boundary seems too low!

Param 3 (Locus 378): Upper prior boundary seems too low!  
Param 4 (Locus 384): Upper prior boundary seems too low!  
Param 3 (Locus 385): Upper prior boundary seems too low!  
Param 4 (Locus 387): Upper prior boundary seems too low!  
Param 3 (Locus 393): Upper prior boundary seems too low!  
Param 4 (Locus 395): Upper prior boundary seems too low!  
Param 4 (Locus 397): Upper prior boundary seems too low!  
Param 4 (Locus 398): Upper prior boundary seems too low!  
Param 4 (Locus 402): Upper prior boundary seems too low!  
Param 3 (Locus 403): Upper prior boundary seems too low!  
Param 4 (Locus 409): Upper prior boundary seems too low!  
Param 3 (Locus 414): Upper prior boundary seems too low!  
Param 3 (Locus 415): Upper prior boundary seems too low!  
Param 3 (Locus 418): Upper prior boundary seems too low!  
Param 4 (Locus 423): Upper prior boundary seems too low!  
Param 3 (Locus 424): Upper prior boundary seems too low!  
Param 4 (Locus 424): Upper prior boundary seems too low!  
Param 4 (Locus 433): Upper prior boundary seems too low!  
Param 3 (Locus 434): Upper prior boundary seems too low!  
Param 4 (Locus 438): Upper prior boundary seems too low!  
Param 4 (Locus 440): Upper prior boundary seems too low!  
Param 4 (Locus 441): Upper prior boundary seems too low!  
Param 3 (Locus 442): Upper prior boundary seems too low!  
Param 4 (Locus 443): Upper prior boundary seems too low!  
Param 3 (Locus 446): Upper prior boundary seems too low!  
Param 4 (Locus 452): Upper prior boundary seems too low!  
Param 3 (Locus 453): Upper prior boundary seems too low!  
Param 3 (Locus 457): Upper prior boundary seems too low!  
Param 3 (Locus 461): Upper prior boundary seems too low!  
Param 3 (Locus 462): Upper prior boundary seems too low!  
Param 4 (Locus 466): Upper prior boundary seems too low!  
Param 4 (Locus 468): Upper prior boundary seems too low!  
Param 3 (Locus 470): Upper prior boundary seems too low!  
Param 4 (Locus 470): Upper prior boundary seems too low!  
Param 4 (Locus 472): Upper prior boundary seems too low!  
Param 3 (Locus 474): Upper prior boundary seems too low!  
Param 4 (Locus 474): Upper prior boundary seems too low!  
Param 3 (Locus 476): Upper prior boundary seems too low!  
Param 4 (Locus 480): Upper prior boundary seems too low!  
Param 4 (Locus 482): Upper prior boundary seems too low!  
Param 4 (Locus 486): Upper prior boundary seems too low!  
Param 3 (Locus 490): Upper prior boundary seems too low!  
Param 3 (Locus 492): Upper prior boundary seems too low!  
Param 3 (Locus 494): Upper prior boundary seems too low!

