

simdata

POPULATION SIZE, MIGRATION, DIVERGENCE, ASSIGNMENT, HISTORY

Bayesian inference using the structured coalescent

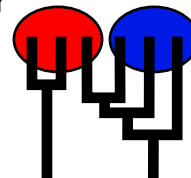
Migrate-n version 5.0.2(git:v5.0.2-1-g8ac0205-dirty) [December-1-2021]

Compiled for PARALLEL computer architectures

One master and 10 compute nodes are available.

Program started at Sun Feb 13 12:13:55 2022

Program finished at Sun Feb 13 13:29:01 2022 [Runtime:0000:01:15:06]



Options

Inheritance multipliers in use for Thetas:

All loci use an inheritance multiplier of 1.0

Random number seed:

(with internal timer)

1710520963

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	3	4	5	6	7	8	9	10
1 Romanshorn_0	*	*	*	*	*	*	*	*	*	*
2 Arbon_1	*	*	*	*	*	*	*	*	*	*
3 Kreuzlingen_2	*	*	*	*	*	*	*	*	*	*
4 Frauenfeld_3	*	*	*	*	*	*	*	*	*	*
5 Guendelhart_4	*	*	*	*	*	*	*	*	*	*
6 Homburg_5	*	*	*	*	*	*	*	*	*	*
7 Aarau_6	*	*	*	*	*	*	*	*	*	*
8 L'Abbaye_7	*	*	*	*	*	*	*	*	*	*
9 Aigle_8	*	*	*	*	*	*	*	*	*	*

10 Alpnach_9

* * * * *

Order of parameters:

1	Θ_1	<displayed>
2	Θ_2	<displayed>
3	Θ_3	<displayed>
4	Θ_4	<displayed>
5	Θ_5	<displayed>
6	Θ_6	<displayed>
7	Θ_7	<displayed>
8	Θ_8	<displayed>
9	Θ_9	<displayed>
10	Θ_{10}	<displayed>
11	$M_{2 \rightarrow 1}$	<displayed>
12	$M_{3 \rightarrow 1}$	<displayed>
13	$M_{4 \rightarrow 1}$	<displayed>
14	$M_{5 \rightarrow 1}$	<displayed>
15	$M_{6 \rightarrow 1}$	<displayed>
16	$M_{7 \rightarrow 1}$	<displayed>
17	$M_{8 \rightarrow 1}$	<displayed>
18	$M_{9 \rightarrow 1}$	<displayed>
19	$M_{10 \rightarrow 1}$	<displayed>
20	$M_{1 \rightarrow 2}$	<displayed>
21	$M_{3 \rightarrow 2}$	<displayed>
22	$M_{4 \rightarrow 2}$	<displayed>
23	$M_{5 \rightarrow 2}$	<displayed>
24	$M_{6 \rightarrow 2}$	<displayed>
25	$M_{7 \rightarrow 2}$	<displayed>
26	$M_{8 \rightarrow 2}$	<displayed>
27	$M_{9 \rightarrow 2}$	<displayed>
28	$M_{10 \rightarrow 2}$	<displayed>
29	$M_{1 \rightarrow 3}$	<displayed>
30	$M_{2 \rightarrow 3}$	<displayed>
31	$M_{4 \rightarrow 3}$	<displayed>
32	$M_{5 \rightarrow 3}$	<displayed>
33	$M_{6 \rightarrow 3}$	<displayed>
34	$M_{7 \rightarrow 3}$	<displayed>
35	$M_{8 \rightarrow 3}$	<displayed>
36	$M_{9 \rightarrow 3}$	<displayed>
37	$M_{10 \rightarrow 3}$	<displayed>
38	$M_{1 \rightarrow 4}$	<displayed>
39	$M_{2 \rightarrow 4}$	<displayed>
40	$M_{3 \rightarrow 4}$	<displayed>
41	$M_{5 \rightarrow 4}$	<displayed>

42	M	6->4	<displayed>
43	M	7->4	<displayed>
44	M	8->4	<displayed>
45	M	9->4	<displayed>
46	M	10->4	<displayed>
47	M	1->5	<displayed>
48	M	2->5	<displayed>
49	M	3->5	<displayed>
50	M	4->5	<displayed>
51	M	6->5	<displayed>
52	M	7->5	<displayed>
53	M	8->5	<displayed>
54	M	9->5	<displayed>
55	M	10->5	<displayed>
56	M	1->6	<displayed>
57	M	2->6	<displayed>
58	M	3->6	<displayed>
59	M	4->6	<displayed>
60	M	5->6	<displayed>
61	M	7->6	<displayed>
62	M	8->6	<displayed>
63	M	9->6	<displayed>
64	M	10->6	<displayed>
65	M	1->7	<displayed>
66	M	2->7	<displayed>
67	M	3->7	<displayed>
68	M	4->7	<displayed>
69	M	5->7	<displayed>
70	M	6->7	<displayed>
71	M	8->7	<displayed>
72	M	9->7	<displayed>
73	M	10->7	<displayed>
74	M	1->8	<displayed>
75	M	2->8	<displayed>
76	M	3->8	<displayed>
77	M	4->8	<displayed>
78	M	5->8	<displayed>
79	M	6->8	<displayed>
80	M	7->8	<displayed>
81	M	9->8	<displayed>
82	M	10->8	<displayed>
83	M	1->9	<displayed>
84	M	2->9	<displayed>
85	M	3->9	<displayed>
86	M	4->9	<displayed>

87	M	5->9	<displayed>
88	M	6->9	<displayed>
89	M	7->9	<displayed>
90	M	8->9	<displayed>
91	M	10->9	<displayed>
92	M	1->10	<displayed>
93	M	2->10	<displayed>
94	M	3->10	<displayed>
95	M	4->10	<displayed>
96	M	5->10	<displayed>
97	M	6->10	<displayed>
98	M	7->10	<displayed>
99	M	8->10	<displayed>
100	M	9->10	<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	Metropolis sampling
M	Metropolis sampling
Divergence	Metropolis sampling
Divergence Spread	Metropolis sampling
Genealogy	Metropolis-Hastings

Prior distribution for parameter

Parameter	Prior	Minimum	Mean	Maximum	Delta	Bins	UpdateFreq
1	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
2	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
3	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
4	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
5	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
6	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
7	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
8	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
9	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
10	Theta ** Uniform	0.000000	0.050	0.100	0.010	1500	0.00333
11	M ** Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
12	M ** Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
13	M ** Uniform	0.000000	500.0	1000.	100.0	1500	0.00333

14	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
15	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
16	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
17	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
18	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
19	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
20	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
21	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
22	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
23	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
24	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
25	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
26	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
27	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
28	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
29	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
30	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
31	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
32	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
33	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
34	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
35	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
36	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
37	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
38	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
39	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
40	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
41	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
42	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
43	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
44	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
45	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
46	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
47	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
48	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
49	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
50	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
51	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
52	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
53	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
54	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
55	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
56	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
57	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
58	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333

59	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
60	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
61	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
62	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
63	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
64	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
65	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
66	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
67	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
68	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
69	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
70	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
71	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
72	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
73	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
74	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
75	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
76	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
77	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
78	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
79	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
80	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
81	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
82	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
83	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
84	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
85	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
86	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
87	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
88	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
89	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
90	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
91	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
92	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
93	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
94	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
95	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
96	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
97	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
98	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
99	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333
100	M	**	Uniform	0.000000	500.0	1000.	100.0	1500	0.00333

[* * means priors were set globally]

Markov chain settings:

Long chain

Number of chains		1
Recorded steps [a]		10000
Increment (record every x step [b])		100
Number of concurrent chains (replicates) [c]		1
Visited (sampled) parameter values [a*b*c]		1000000
Number of discard trees per chain (burn-in)		1000
 Multiple Markov chains:		
Static heating scheme		4 chains with temperatures
	1000000.00	3.00 1.50 1.00
		Swapping interval is 1
 Print options:		
Data file:		infile.linear10
		parmfile.linear10
Haplotyping is turned on:		NO
Output file:		outfile
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.linear10
 Datatype: Haplotype data
 Number of loci: 10

Mutationmodel:

Locus	Sublocus	Mutationmodel	Mutationmodel parameters
1	1	Jukes-Cantor	[Basefreq: =0.25]
2	1	Jukes-Cantor	[Basefreq: =0.25]
3	1	Jukes-Cantor	[Basefreq: =0.25]
4	1	Jukes-Cantor	[Basefreq: =0.25]
5	1	Jukes-Cantor	[Basefreq: =0.25]
6	1	Jukes-Cantor	[Basefreq: =0.25]
7	1	Jukes-Cantor	[Basefreq: =0.25]
8	1	Jukes-Cantor	[Basefreq: =0.25]
9	1	Jukes-Cantor	[Basefreq: =0.25]
10	1	Jukes-Cantor	[Basefreq: =0.25]

Sites per locus

Locus	Sites
1	1000
2	1000
3	1000
4	1000
5	1000
6	1000
7	1000
8	1000
9	1000
10	1000

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		
Population			Locus			Gene copies	
						data	(missing)
1 Romanshorn_0			1			8	
			2			8	
			3			8	
			4			8	
			5			8	
			6			8	
			7			8	
			8			8	
			9			8	
			10			8	
2 Arbon_1			1			10	
			2			10	
			3			10	
			4			10	
			5			10	
			6			10	
			7			10	
			8			10	
			9			10	
			10			10	
3 Kreuzlingen_2			1			10	
			2			10	
			3			10	
			4			10	
			5			10	
			6			10	
			7			10	
			8			10	
			9			10	
			10			10	
4 Frauenfeld_3			1			10	
			2			10	
			3			10	
			4			10	
			5			10	
			6			10	
			7			10	
			8			10	
			9			10	

	10	10
5 Guendelhart_4	1	9
	2	9
	3	9
	4	9
	5	9
	6	9
	7	9
	8	9
	9	9
	10	9
6 Homburg_5	1	11
	2	11
	3	11
	4	11
	5	11
	6	11
	7	11
	8	11
	9	11
	10	11
7 Aarau_6	1	10
	2	10
	3	10
	4	10
	5	10
	6	10
	7	10
	8	10
	9	10
	10	10
8 L'Abbaye_7	1	10
	2	10
	3	10
	4	10
	5	10
	6	10
	7	10
	8	10
	9	10
	10	10
9 Aigle_8	1	10
	2	10
	3	10
	4	10

10 Alpnach_9	5	10	
	6	10	
	7	10	
	8	10	
	9	10	
	10	10	
	1	12	
	2	12	
	3	12	
	4	12	
Total of all populations	5	12	
	6	12	
	7	12	
	8	12	
	9	12	
	10	12	
	1	100	(0)
	2	100	(0)
	3	100	(0)
	4	100	(0)
	5	100	(0)
	6	100	(0)
	7	100	(0)
	8	100	(0)
	9	100	(0)
	10	100	(0)

Bayesian Analysis: Posterior distribution table

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
1	Θ_1	0.00000	0.00120	0.00263	0.00433	0.01027	0.00350	0.00369
1	Θ_2	0.00000	0.00093	0.00217	0.00353	0.00840	0.00283	0.00286
1	Θ_3	0.00000	0.00067	0.00263	0.00507	0.02900	0.00457	0.00916
1	Θ_4	0.00000	0.00000	0.00230	0.01447	0.06467	0.01450	0.02208
1	Θ_5	0.00000	0.00087	0.00210	0.00327	0.00620	0.00257	0.00217
1	Θ_6	0.00000	0.00053	0.00143	0.00233	0.00427	0.00190	0.00097
1	Θ_7	0.00000	0.00100	0.00263	0.00467	0.01667	0.00397	0.00498
1	Θ_8	0.00000	0.00113	0.00423	0.00913	0.04040	0.00837	0.01641
1	Θ_9	0.00000	0.00047	0.00290	0.00680	0.03473	0.00637	0.01108
1	Θ_{10}	0.00000	0.00093	0.00297	0.00540	0.03047	0.00477	0.00807
1	$M_{2 \rightarrow 1}$	370.000	704.000	763.000	917.333	997.333	692.333	682.329
1	$M_{3 \rightarrow 1}$	0.000	15.333	56.333	125.333	570.000	251.667	261.564
1	$M_{4 \rightarrow 1}$	9.333	114.000	269.000	343.333	698.000	301.667	331.041
1	$M_{5 \rightarrow 1}$	3.333	48.667	88.333	256.667	520.000	236.333	250.766
1	$M_{6 \rightarrow 1}$	0.000	6.000	62.333	174.000	584.667	226.333	255.056
1	$M_{7 \rightarrow 1}$	172.000	524.000	715.667	774.000	883.333	549.667	545.081
1	$M_{8 \rightarrow 1}$	0.000	16.667	93.667	166.000	554.000	154.333	206.513
1	$M_{9 \rightarrow 1}$	0.000	18.667	93.000	150.667	472.000	137.000	172.108
1	$M_{10 \rightarrow 1}$	1.333	12.667	231.000	348.000	604.667	351.667	412.356
1	$M_{1 \rightarrow 2}$	302.667	692.667	787.000	896.667	991.333	661.667	613.354
1	$M_{3 \rightarrow 2}$	75.333	292.000	337.667	517.333	903.333	474.333	489.608
1	$M_{4 \rightarrow 2}$	0.000	11.333	51.000	182.667	637.333	174.333	233.080
1	$M_{5 \rightarrow 2}$	70.667	272.667	400.333	614.667	669.333	469.000	492.085
1	$M_{6 \rightarrow 2}$	1.333	154.000	343.667	438.667	757.333	356.333	383.336
1	$M_{7 \rightarrow 2}$	6.667	83.333	160.333	252.667	686.667	281.667	311.662
1	$M_{8 \rightarrow 2}$	0.000	220.000	375.000	475.333	829.333	383.667	411.513
1	$M_{9 \rightarrow 2}$	0.000	16.667	45.667	212.000	644.667	256.333	291.634
1	$M_{10 \rightarrow 2}$	1.333	76.667	150.333	329.333	638.000	283.667	313.448
1	$M_{1 \rightarrow 3}$	190.667	501.333	643.000	694.000	962.000	523.667	499.986
1	$M_{2 \rightarrow 3}$	12.667	42.000	83.000	174.667	666.000	343.667	338.291
1	$M_{4 \rightarrow 3}$	0.000	0.000	30.333	149.333	664.667	175.667	236.329
1	$M_{5 \rightarrow 3}$	133.333	219.333	326.333	474.000	906.667	444.333	476.478
1	$M_{6 \rightarrow 3}$	0.000	22.667	129.000	188.000	548.000	203.000	243.072
1	$M_{7 \rightarrow 3}$	166.667	410.000	520.333	616.667	738.667	511.000	528.729
1	$M_{8 \rightarrow 3}$	0.000	6.000	28.333	182.667	556.667	177.000	251.753
1	$M_{9 \rightarrow 3}$	2.667	141.333	271.667	427.333	767.333	341.000	370.067

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
1	M _{10->3}	244.667	390.667	521.667	687.333	999.333	559.667	567.744
1	M _{1->4}	268.000	579.333	747.667	848.667	999.333	637.667	599.241
1	M _{2->4}	0.000	5.333	37.667	222.000	608.667	398.333	416.281
1	M _{3->4}	0.000	141.333	237.000	436.667	732.000	348.333	393.390
1	M _{5->4}	159.333	485.333	523.000	634.667	999.333	607.667	608.292
1	M _{6->4}	192.667	820.000	869.000	932.000	992.667	575.000	595.593
1	M _{7->4}	11.333	26.000	65.000	318.667	734.667	377.667	417.631
1	M _{8->4}	18.667	90.667	134.333	354.000	736.000	306.333	351.847
1	M _{9->4}	125.333	438.000	545.667	642.000	725.333	500.333	498.495
1	M _{10->4}	0.000	0.000	43.667	220.000	394.000	287.667	363.816
1	M _{1->5}	48.667	480.000	618.333	716.667	914.000	510.333	498.104
1	M _{2->5}	0.000	2.667	26.333	82.667	127.333	515.667	493.088
1	M _{3->5}	190.667	401.333	635.000	677.333	985.333	541.000	542.439
1	M _{4->5}	20.000	147.333	321.000	522.667	702.000	433.667	452.735
1	M _{6->5}	95.333	475.333	661.000	766.667	942.667	571.667	530.334
1	M _{7->5}	27.333	308.000	405.000	474.000	832.667	413.667	427.757
1	M _{8->5}	0.000	6.667	75.000	210.000	658.000	204.333	262.965
1	M _{9->5}	6.000	214.000	341.667	525.333	790.667	413.000	421.396
1	M _{10->5}	18.000	474.000	522.333	639.333	782.000	439.000	442.920
1	M _{1->6}	14.667	140.667	244.333	390.000	762.667	329.667	359.110
1	M _{2->6}	0.000	206.667	354.333	433.333	779.333	366.333	386.563
1	M _{3->6}	634.000	766.667	846.333	944.000	987.333	541.667	529.003
1	M _{4->6}	140.000	375.333	534.333	652.000	995.333	540.333	547.357
1	M _{5->6}	4.000	96.000	145.667	236.667	431.333	486.333	482.063
1	M _{7->6}	239.333	311.333	459.667	533.333	993.333	491.000	520.384
1	M _{8->6}	8.667	36.000	228.333	324.000	696.000	375.000	416.076
1	M _{9->6}	0.000	22.000	73.667	235.333	458.667	301.667	379.672
1	M _{10->6}	102.000	327.333	381.000	615.333	912.000	497.667	504.347
1	M _{1->7}	2.667	102.000	173.000	348.667	689.333	291.667	322.435
1	M _{2->7}	0.000	1.333	32.333	159.333	630.667	209.667	253.399
1	M _{3->7}	0.000	19.333	126.333	278.000	706.667	321.000	379.215
1	M _{4->7}	0.000	107.333	184.333	296.000	555.333	247.000	298.949
1	M _{5->7}	94.000	258.667	346.333	479.333	654.000	365.667	368.973
1	M _{6->7}	4.667	17.333	86.333	269.333	670.000	366.333	410.400
1	M _{8->7}	0.000	0.667	36.333	118.667	542.000	443.000	445.301
1	M _{9->7}	0.000	2.667	31.000	151.333	496.000	148.333	208.310
1	M _{10->7}	146.667	414.667	590.333	623.333	999.333	563.667	573.176
1	M _{1->8}	0.000	89.333	128.333	318.667	643.333	265.667	287.368
1	M _{2->8}	7.333	32.667	152.333	350.000	394.667	328.333	420.642
1	M _{3->8}	5.333	47.333	109.000	270.000	774.000	309.667	360.455
1	M _{4->8}	10.000	198.667	251.000	501.333	861.333	383.667	409.501

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
1	M _{5->8}	3.333	203.333	345.000	400.667	801.333	369.667	420.239
1	M _{6->8}	24.667	291.333	349.667	404.667	601.333	459.667	492.276
1	M _{7->8}	119.333	377.333	507.667	607.333	899.333	473.667	472.647
1	M _{9->8}	550.667	818.667	889.667	990.667	997.333	573.000	546.837
1	M _{10->8}	0.000	20.667	95.000	265.333	856.000	251.667	335.508
1	M _{1->9}	289.333	878.667	958.333	984.667	999.333	677.000	666.628
1	M _{2->9}	0.000	10.000	41.667	168.000	419.333	160.333	224.784
1	M _{3->9}	12.667	477.333	571.667	748.000	857.333	533.000	507.395
1	M _{4->9}	0.000	0.000	29.000	156.000	650.000	195.667	246.736
1	M _{5->9}	234.667	452.667	547.667	749.333	993.333	589.000	594.941
1	M _{6->9}	0.000	2.667	37.667	187.333	576.000	184.333	260.498
1	M _{7->9}	0.667	68.000	160.333	292.000	522.000	313.667	375.658
1	M _{8->9}	4.667	338.667	562.333	654.000	814.667	483.000	473.638
1	M _{10->9}	168.000	438.667	541.000	697.333	988.000	583.667	582.553
1	M _{1->10}	0.667	200.667	238.333	398.000	540.000	286.333	278.987
1	M _{2->10}	180.000	420.000	510.333	599.333	990.667	519.000	521.339
1	M _{3->10}	0.000	18.000	102.333	210.667	596.000	197.000	239.013
1	M _{4->10}	0.000	230.000	302.333	409.333	754.000	317.000	344.721
1	M _{5->10}	0.000	49.333	123.667	220.667	544.000	192.333	243.721
1	M _{6->10}	0.000	78.667	135.667	269.333	591.333	221.667	258.760
1	M _{7->10}	386.000	540.000	672.333	841.333	982.667	640.333	598.303
1	M _{8->10}	55.333	156.000	207.667	264.667	562.000	306.333	310.428
1	M _{9->10}	530.667	640.667	757.000	873.333	976.667	611.667	545.549
2	Θ_1	0.00000	0.00127	0.00297	0.00500	0.01113	0.00410	0.00447
2	Θ_2	0.00000	0.00093	0.00310	0.00580	0.02760	0.00517	0.00801
2	Θ_3	0.00000	0.00160	0.00297	0.00440	0.00713	0.00343	0.00329
2	Θ_4	0.00000	0.00080	0.00217	0.00367	0.00953	0.00303	0.00308
2	Θ_5	0.00000	0.00093	0.00210	0.00320	0.00540	0.00250	0.00207
2	Θ_6	0.00000	0.00113	0.00277	0.00460	0.01387	0.00383	0.00460
2	Θ_7	0.00187	0.00347	0.00690	0.02740	0.08727	0.03630	0.03984
2	Θ_8	0.00000	0.00080	0.00203	0.00320	0.00693	0.00263	0.00235
2	Θ_9	0.00000	0.00167	0.00470	0.00880	0.03573	0.00790	0.01218
2	Θ_{10}	0.00000	0.00100	0.00237	0.00393	0.00893	0.00323	0.00328
2	M _{2->1}	16.000	60.000	103.000	178.667	468.667	159.000	201.641
2	M _{3->1}	0.000	0.000	21.000	57.333	228.000	57.667	69.674
2	M _{4->1}	128.000	222.000	265.667	321.333	454.667	277.000	281.663
2	M _{5->1}	8.000	48.667	75.000	107.333	203.333	88.333	95.951
2	M _{6->1}	0.000	26.667	62.333	97.333	181.333	79.667	81.613
2	M _{7->1}	0.000	0.000	21.000	60.667	243.333	61.000	73.570
2	M _{8->1}	0.000	19.333	41.000	68.667	168.000	57.000	64.927

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
2	M _{9->1}	0.000	20.000	48.333	114.000	276.667	101.667	117.104
2	M _{10->1}	9.333	41.333	94.333	160.000	468.000	143.667	189.427
2	M _{1->2}	109.333	198.000	299.000	355.333	726.000	385.667	416.769
2	M _{3->2}	0.000	26.667	61.667	100.000	240.000	83.667	95.786
2	M _{4->2}	0.000	18.667	41.667	74.667	165.333	63.000	68.797
2	M _{5->2}	0.000	80.000	123.667	212.000	369.333	155.667	162.697
2	M _{6->2}	0.000	19.333	47.000	84.667	252.000	72.333	87.751
2	M _{7->2}	55.333	92.000	169.667	275.333	654.667	248.333	297.667
2	M _{8->2}	188.000	296.667	366.333	446.000	692.667	393.667	424.713
2	M _{9->2}	0.000	41.333	86.333	136.000	288.000	113.000	126.711
2	M _{10->2}	226.667	376.000	499.000	546.000	710.667	473.000	472.923
2	M _{1->3}	0.000	8.667	24.333	50.667	116.667	43.667	42.655
2	M _{2->3}	19.333	70.000	108.333	148.667	232.000	119.000	122.212
2	M _{4->3}	0.000	10.000	23.667	41.333	85.333	33.667	30.796
2	M _{5->3}	0.000	14.667	30.333	48.667	92.000	39.000	38.203
2	M _{6->3}	130.000	190.667	230.333	320.667	558.667	287.667	308.694
2	M _{7->3}	6.667	60.667	84.333	152.000	234.000	115.667	118.328
2	M _{8->3}	60.000	182.000	256.333	331.333	420.667	244.333	242.445
2	M _{9->3}	6.000	29.333	57.667	138.667	290.000	122.333	133.360
2	M _{10->3}	0.000	6.667	24.333	54.667	156.000	49.667	53.270
2	M _{1->4}	11.333	65.333	105.000	214.000	432.667	205.000	214.753
2	M _{2->4}	277.333	544.000	636.333	728.000	962.000	602.333	599.063
2	M _{3->4}	28.000	98.667	158.333	248.000	528.000	211.000	244.790
2	M _{5->4}	26.000	108.667	223.667	291.333	505.333	247.000	262.449
2	M _{6->4}	72.000	144.000	233.000	333.333	648.667	297.000	328.289
2	M _{7->4}	0.000	32.667	92.333	161.333	331.333	139.667	149.468
2	M _{8->4}	61.333	167.333	241.000	332.000	572.000	276.333	300.079
2	M _{9->4}	55.333	130.000	250.333	295.333	569.333	269.000	286.282
2	M _{10->4}	12.667	137.333	183.667	378.667	638.667	303.000	334.530
2	M _{1->5}	8.667	34.667	77.000	134.667	306.000	129.000	143.408
2	M _{2->5}	52.000	344.667	381.667	414.000	565.333	305.000	308.578
2	M _{3->5}	21.333	68.000	107.000	162.000	324.667	137.667	151.100
2	M _{4->5}	12.000	64.000	101.000	147.333	260.000	120.333	128.457
2	M _{6->5}	58.000	120.667	170.333	230.667	370.000	195.667	205.170
2	M _{7->5}	42.000	116.667	165.667	212.667	333.333	175.000	181.697
2	M _{8->5}	0.000	0.000	24.333	123.333	364.667	123.667	144.226
2	M _{9->5}	0.000	21.333	65.667	109.333	270.667	96.333	112.298
2	M _{10->5}	0.000	4.667	24.333	57.333	476.667	260.333	234.824
2	M _{1->6}	0.000	0.000	28.333	107.333	191.333	402.333	381.417
2	M _{2->6}	3.333	68.667	118.333	160.667	268.667	125.000	130.813
2	M _{3->6}	40.000	150.667	259.000	295.333	446.667	236.333	240.924

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
2	M _{4->6}	0.000	19.333	45.667	80.667	197.333	69.000	78.621
2	M _{5->6}	117.333	209.333	272.333	334.000	477.333	285.667	291.621
2	M _{7->6}	122.667	242.667	319.000	384.667	556.000	325.667	333.864
2	M _{8->6}	18.000	70.667	135.667	173.333	306.667	145.000	154.692
2	M _{9->6}	0.000	5.333	23.000	46.667	146.667	42.333	45.724
2	M _{10->6}	0.000	2.000	32.333	111.333	363.333	130.333	145.939
2	M _{1->7}	0.000	8.667	25.000	48.667	116.000	41.667	42.101
2	M _{2->7}	24.000	78.667	121.667	174.000	330.667	145.000	157.266
2	M _{3->7}	301.333	487.333	573.667	662.667	842.667	565.667	548.906
2	M _{4->7}	28.667	82.000	135.667	230.000	492.667	200.333	227.853
2	M _{5->7}	0.000	6.000	27.000	78.000	281.333	108.333	111.886
2	M _{6->7}	0.000	3.333	25.000	89.333	316.667	86.333	104.553
2	M _{8->7}	0.000	12.667	42.333	113.333	342.667	104.333	127.499
2	M _{9->7}	76.000	234.000	291.667	381.333	554.000	315.667	324.067
2	M _{10->7}	0.000	13.333	43.667	136.000	371.333	127.000	148.935
2	M _{1->8}	0.000	16.667	47.000	89.333	231.333	78.333	90.850
2	M _{2->8}	80.000	179.333	278.333	320.667	502.000	271.667	282.315
2	M _{3->8}	118.667	238.667	293.667	404.000	562.000	330.333	335.419
2	M _{4->8}	54.000	95.333	152.333	255.333	605.333	261.667	319.340
2	M _{5->8}	83.333	190.667	222.333	354.000	535.333	290.333	300.376
2	M _{6->8}	0.000	5.333	22.333	42.000	126.667	37.667	38.768
2	M _{7->8}	39.333	78.000	130.333	252.000	667.333	231.667	293.297
2	M _{9->8}	0.000	8.000	35.000	107.333	302.000	100.333	114.940
2	M _{10->8}	210.667	298.000	415.667	494.000	839.333	449.667	478.520
2	M _{1->9}	0.000	18.000	57.667	124.000	368.000	113.667	145.274
2	M _{2->9}	2.667	42.667	89.000	128.000	255.333	106.333	117.318
2	M _{3->9}	6.000	84.667	191.000	220.667	385.333	177.000	184.241
2	M _{4->9}	18.000	80.667	112.333	182.667	326.000	152.333	163.275
2	M _{5->9}	0.000	28.000	57.000	126.667	272.667	110.333	121.291
2	M _{6->9}	16.667	88.000	133.667	224.000	429.333	211.000	219.474
2	M _{7->9}	0.667	33.333	97.000	176.667	372.000	156.333	172.086
2	M _{8->9}	70.000	180.000	269.000	344.000	605.333	311.667	328.304
2	M _{10->9}	19.333	86.667	135.000	185.333	301.333	148.333	155.484
2	M _{1->10}	2.000	94.667	169.000	274.000	416.667	202.333	205.851
2	M _{2->10}	0.000	56.667	116.333	155.333	236.667	117.000	116.426
2	M _{3->10}	59.333	106.667	175.000	236.000	556.667	213.667	250.371
2	M _{4->10}	0.000	47.333	93.667	130.000	234.667	101.000	106.204
2	M _{5->10}	178.667	274.667	315.000	420.000	647.333	373.000	389.906
2	M _{6->10}	10.000	96.000	167.667	306.667	690.667	267.000	313.354
2	M _{7->10}	0.000	33.333	63.000	108.667	241.333	93.000	107.883
2	M _{8->10}	10.667	73.333	119.667	190.000	362.000	155.000	169.262

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
2	$M_{9 \rightarrow 10}$	0.000	13.333	72.333	214.667	684.000	207.667	292.110
3	Θ_1	0.00000	0.00073	0.00183	0.00280	0.00513	0.00223	0.00165
3	Θ_2	0.00000	0.00000	0.00350	0.01787	0.02100	0.03170	0.03757
3	Θ_3	0.00000	0.00080	0.00297	0.00593	0.02673	0.00537	0.00772
3	Θ_4	0.00000	0.00020	0.00383	0.01093	0.04473	0.01183	0.01826
3	Θ_5	0.00000	0.00127	0.00257	0.00400	0.00707	0.00310	0.00292
3	Θ_6	0.00000	0.00087	0.00237	0.00387	0.01167	0.00323	0.00356
3	Θ_7	0.00073	0.00313	0.00570	0.02413	0.05767	0.02277	0.02586
3	Θ_8	0.00000	0.00067	0.00177	0.00273	0.00500	0.00217	0.00159
3	Θ_9	0.00000	0.00127	0.00303	0.00507	0.01347	0.00423	0.00623
3	Θ_{10}	0.00000	0.00080	0.00257	0.00460	0.02340	0.00403	0.00593
3	$M_{2 \rightarrow 1}$	34.000	353.333	423.667	569.333	832.000	435.000	441.500
3	$M_{3 \rightarrow 1}$	0.000	24.000	116.333	248.000	628.000	243.667	290.194
3	$M_{4 \rightarrow 1}$	3.333	204.667	303.000	392.000	682.000	308.333	323.205
3	$M_{5 \rightarrow 1}$	0.000	145.333	209.000	373.333	570.667	264.333	275.249
3	$M_{6 \rightarrow 1}$	74.667	174.667	278.333	414.000	896.000	463.000	476.087
3	$M_{7 \rightarrow 1}$	171.333	580.667	717.000	824.000	956.000	607.667	577.856
3	$M_{8 \rightarrow 1}$	187.333	213.333	323.000	459.333	951.333	451.000	483.547
3	$M_{9 \rightarrow 1}$	134.667	749.333	805.667	910.667	982.667	548.333	550.508
3	$M_{10 \rightarrow 1}$	12.000	94.000	178.333	250.000	679.333	271.000	315.961
3	$M_{1 \rightarrow 2}$	17.333	308.000	359.000	398.667	756.000	470.333	463.309
3	$M_{3 \rightarrow 2}$	18.667	77.333	181.000	258.667	712.000	229.000	308.445
3	$M_{4 \rightarrow 2}$	0.000	18.667	41.000	120.000	466.667	170.333	190.372
3	$M_{5 \rightarrow 2}$	82.667	214.000	266.333	494.667	901.333	413.667	443.201
3	$M_{6 \rightarrow 2}$	0.000	142.667	219.667	362.667	717.333	270.333	306.987
3	$M_{7 \rightarrow 2}$	238.667	361.333	545.000	640.000	976.000	540.333	550.466
3	$M_{8 \rightarrow 2}$	246.000	846.000	903.000	980.000	999.333	667.000	654.657
3	$M_{9 \rightarrow 2}$	12.667	66.667	121.000	195.333	728.000	291.667	323.563
3	$M_{10 \rightarrow 2}$	8.667	136.667	329.000	365.333	806.000	401.000	417.182
3	$M_{1 \rightarrow 3}$	0.000	354.000	429.667	538.667	714.000	384.333	373.650
3	$M_{2 \rightarrow 3}$	34.000	211.333	313.667	465.333	793.333	402.333	432.734
3	$M_{4 \rightarrow 3}$	4.000	162.667	278.333	360.667	711.333	348.333	391.944
3	$M_{5 \rightarrow 3}$	54.667	339.333	397.667	432.000	488.000	525.667	532.531
3	$M_{6 \rightarrow 3}$	0.000	9.333	29.000	96.667	784.667	433.667	444.788
3	$M_{7 \rightarrow 3}$	0.000	87.333	161.667	294.667	631.333	241.667	305.603
3	$M_{8 \rightarrow 3}$	1.333	136.667	319.000	433.333	745.333	346.333	380.273
3	$M_{9 \rightarrow 3}$	0.000	91.333	224.333	316.000	587.333	251.667	299.056
3	$M_{10 \rightarrow 3}$	149.333	898.000	969.667	992.667	999.333	591.000	564.332
3	$M_{1 \rightarrow 4}$	6.000	422.000	561.000	727.333	776.667	476.333	437.368
3	$M_{2 \rightarrow 4}$	112.667	172.667	311.000	416.000	958.000	495.667	516.178

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
3	M _{3->4}	0.000	6.667	30.333	355.333	612.000	357.000	407.853
3	M _{5->4}	526.667	759.333	961.667	992.667	999.333	741.667	669.674
3	M _{6->4}	666.667	789.333	971.667	989.333	997.333	497.000	517.693
3	M _{7->4}	15.333	273.333	438.333	514.000	752.667	378.333	398.568
3	M _{8->4}	200.000	544.000	628.333	861.333	995.333	628.333	607.452
3	M _{9->4}	0.000	86.000	159.667	278.667	666.667	302.333	319.731
3	M _{10->4}	0.000	1.333	31.667	208.667	628.667	207.667	249.082
3	M _{1->5}	0.000	6.667	37.000	136.000	482.000	130.333	169.022
3	M _{2->5}	217.333	325.333	407.667	526.000	939.333	526.333	542.548
3	M _{3->5}	0.000	34.000	77.000	194.667	559.333	176.333	230.364
3	M _{4->5}	0.000	6.667	102.333	181.333	477.333	175.000	238.546
3	M _{6->5}	20.667	142.667	281.000	410.000	538.667	344.333	408.725
3	M _{7->5}	0.000	10.000	41.000	186.000	706.667	291.000	319.357
3	M _{8->5}	11.333	164.000	257.667	403.333	790.667	330.333	369.558
3	M _{9->5}	21.333	72.667	128.333	219.333	780.000	381.667	416.403
3	M _{10->5}	93.333	224.000	421.000	506.000	928.000	424.333	455.582
3	M _{1->6}	16.000	476.000	515.000	584.000	860.000	437.667	455.767
3	M _{2->6}	61.333	523.333	561.667	590.667	879.333	449.000	462.781
3	M _{3->6}	2.667	20.667	49.000	78.000	119.333	559.667	542.069
3	M _{4->6}	0.000	10.000	64.333	221.333	613.333	213.000	248.317
3	M _{5->6}	248.667	852.000	922.333	982.667	999.333	687.667	667.111
3	M _{7->6}	48.667	285.333	411.667	466.667	712.667	401.667	420.473
3	M _{8->6}	0.000	11.333	113.667	265.333	694.000	256.333	322.115
3	M _{9->6}	254.667	351.333	509.667	658.667	819.333	485.000	482.886
3	M _{10->6}	90.667	292.000	471.000	503.333	626.667	443.000	490.059
3	M _{1->7}	73.333	354.667	449.000	600.000	707.333	490.333	514.272
3	M _{2->7}	43.333	376.000	455.667	523.333	593.333	359.667	333.157
3	M _{3->7}	9.333	49.333	92.333	279.333	538.667	253.000	302.201
3	M _{4->7}	6.000	48.000	113.667	218.667	472.667	190.333	212.646
3	M _{5->7}	180.000	271.333	322.333	454.667	860.667	446.333	450.846
3	M _{6->7}	0.000	0.000	35.000	188.000	488.667	189.667	302.030
3	M _{8->7}	4.000	126.000	277.000	360.000	574.667	295.000	334.950
3	M _{9->7}	38.000	76.667	154.333	314.667	733.333	372.333	422.113
3	M _{10->7}	0.000	251.333	355.000	502.667	658.667	353.000	342.386
3	M _{1->8}	77.333	122.000	217.000	416.667	498.000	377.667	454.920
3	M _{2->8}	85.333	198.000	318.333	419.333	806.000	398.333	431.297
3	M _{3->8}	22.000	78.667	133.000	318.000	815.333	377.667	398.431
3	M _{4->8}	16.000	445.333	519.000	558.667	715.333	484.333	497.428
3	M _{5->8}	0.000	32.667	129.000	290.667	638.000	267.000	294.710
3	M _{6->8}	0.000	9.333	69.667	212.667	720.667	228.333	277.965
3	M _{7->8}	4.000	134.000	219.000	339.333	596.000	357.000	416.521

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
3	M _{9->8}	232.000	460.667	627.000	748.000	976.667	605.667	596.051
3	M _{10->8}	16.000	137.333	239.000	346.667	514.000	270.333	311.305
3	M _{1->9}	0.000	24.000	169.000	286.000	687.333	274.333	325.676
3	M _{2->9}	12.000	53.333	136.333	300.667	765.333	359.000	396.433
3	M _{3->9}	0.000	13.333	101.667	150.667	696.667	271.667	297.275
3	M _{4->9}	0.000	0.000	37.667	150.667	334.000	267.000	408.041
3	M _{5->9}	23.333	133.333	168.333	256.000	785.333	386.333	406.856
3	M _{6->9}	368.667	482.667	531.000	777.333	994.000	595.000	550.638
3	M _{7->9}	30.667	148.667	231.667	306.000	874.667	489.667	486.961
3	M _{8->9}	22.667	130.667	193.000	291.333	493.333	231.667	247.876
3	M _{10->9}	6.667	242.000	318.333	436.000	752.667	365.000	385.508
3	M _{1->10}	0.000	92.000	161.000	336.000	631.333	277.000	307.533
3	M _{2->10}	0.000	74.667	112.333	146.667	547.333	247.667	277.210
3	M _{3->10}	11.333	204.000	248.333	350.667	499.333	245.000	250.407
3	M _{4->10}	0.000	4.000	30.333	135.333	446.000	131.667	158.545
3	M _{5->10}	11.333	239.333	288.333	341.333	821.333	345.667	388.335
3	M _{6->10}	116.000	320.000	481.000	554.000	866.667	459.667	475.957
3	M _{7->10}	160.000	501.333	545.667	797.333	988.000	557.000	531.373
3	M _{8->10}	2.000	90.667	174.333	309.333	574.000	257.667	342.103
3	M _{9->10}	11.333	304.667	436.333	517.333	698.667	391.667	383.567
4	Θ_1	0.00000	0.00120	0.00237	0.00367	0.00627	0.00283	0.00259
4	Θ_2	0.00087	0.00447	0.01097	0.01847	0.04420	0.01643	0.01955
4	Θ_3	0.00000	0.00213	0.00530	0.01187	0.03500	0.01070	0.01392
4	Θ_4	0.00000	0.00140	0.00297	0.00480	0.00933	0.00383	0.00380
4	Θ_5	0.00000	0.00153	0.00297	0.00460	0.00880	0.00363	0.00369
4	Θ_6	0.00000	0.00160	0.00297	0.00447	0.00760	0.00350	0.00342
4	Θ_7	0.00000	0.00067	0.00183	0.00287	0.00573	0.00230	0.00182
4	Θ_8	0.00000	0.00373	0.00643	0.00987	0.03787	0.00857	0.01535
4	Θ_9	0.00000	0.00113	0.00303	0.00533	0.01413	0.00457	0.00528
4	Θ_{10}	0.00000	0.00160	0.00323	0.00500	0.01000	0.00403	0.00414
4	M _{2->1}	23.333	77.333	129.667	164.000	304.000	137.667	148.548
4	M _{3->1}	34.667	80.000	133.000	190.000	374.000	163.000	180.670
4	M _{4->1}	3.333	46.000	74.333	113.333	228.000	93.667	102.165
4	M _{5->1}	58.667	116.667	166.333	216.667	356.000	183.000	196.292
4	M _{6->1}	49.333	97.333	153.667	253.333	534.667	217.667	252.787
4	M _{7->1}	0.000	45.333	79.000	130.000	250.667	105.667	114.397
4	M _{8->1}	20.667	70.000	111.667	155.333	259.333	125.667	132.238
4	M _{9->1}	36.000	95.333	143.000	187.333	306.000	155.000	162.534
4	M _{10->1}	129.333	242.667	268.333	388.000	546.000	319.667	327.487
4	M _{1->2}	0.000	37.333	74.333	108.667	194.667	85.667	88.955

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
4	M _{3->2}	0.000	4.667	33.667	72.000	413.333	193.667	189.352
4	M _{4->2}	11.333	40.000	70.333	174.000	360.000	156.333	169.145
4	M _{5->2}	0.000	20.000	43.667	74.000	190.000	62.333	73.098
4	M _{6->2}	0.000	0.000	27.667	69.333	158.667	391.667	334.408
4	M _{7->2}	49.333	109.333	148.333	220.667	366.000	189.667	205.402
4	M _{8->2}	6.000	35.333	67.000	112.000	238.000	95.667	107.908
4	M _{9->2}	39.333	124.667	173.000	217.333	297.333	171.667	171.633
4	M _{10->2}	76.667	148.667	199.000	311.333	516.000	266.333	282.930
4	M _{1->3}	86.667	147.333	205.667	273.333	442.667	236.333	247.851
4	M _{2->3}	4.667	42.000	79.000	164.000	334.667	143.000	159.038
4	M _{4->3}	8.000	72.000	121.000	172.000	287.333	136.333	142.970
4	M _{5->3}	38.000	146.667	225.667	286.667	456.667	225.667	234.543
4	M _{6->3}	79.333	130.667	207.667	300.667	618.000	305.667	324.170
4	M _{7->3}	0.000	8.000	26.333	62.667	166.667	56.333	60.321
4	M _{8->3}	10.000	44.000	64.333	118.667	365.333	175.667	177.659
4	M _{9->3}	0.000	0.000	28.333	84.667	170.667	407.000	358.396
4	M _{10->3}	18.000	58.000	94.333	140.000	242.667	115.667	122.564
4	M _{1->4}	0.000	19.333	45.000	74.667	214.667	63.667	77.979
4	M _{2->4}	0.000	0.000	19.000	77.333	206.667	77.667	187.597
4	M _{3->4}	14.000	156.000	216.333	292.667	400.667	215.667	214.019
4	M _{5->4}	0.000	84.000	121.667	170.667	232.667	119.000	112.700
4	M _{6->4}	8.000	35.333	67.667	126.000	325.333	111.667	144.648
4	M _{7->4}	0.000	142.667	193.667	238.000	322.667	176.333	160.675
4	M _{8->4}	72.000	248.000	295.667	397.333	504.667	304.333	297.713
4	M _{9->4}	0.000	5.333	31.000	72.000	285.333	67.667	94.620
4	M _{10->4}	15.333	50.667	89.000	136.000	342.667	118.333	143.947
4	M _{1->5}	23.333	73.333	113.000	148.000	235.333	121.000	125.615
4	M _{2->5}	14.667	76.667	128.333	164.667	258.667	131.667	135.262
4	M _{3->5}	32.000	117.333	187.000	218.667	307.333	171.000	171.827
4	M _{4->5}	31.333	74.667	116.333	174.667	352.000	151.000	169.304
4	M _{6->5}	42.667	148.000	207.000	252.667	364.667	205.667	208.079
4	M _{7->5}	0.000	23.333	55.000	97.333	272.000	85.000	106.163
4	M _{8->5}	0.000	30.000	65.667	127.333	392.667	113.000	150.450
4	M _{9->5}	30.000	71.333	107.667	165.333	378.667	143.667	168.424
4	M _{10->5}	26.667	79.333	114.333	176.000	369.333	150.333	168.557
4	M _{1->6}	29.333	73.333	107.000	151.333	250.667	125.000	131.458
4	M _{2->6}	102.000	182.000	228.333	274.667	369.333	231.000	232.781
4	M _{3->6}	0.000	24.667	50.333	71.333	121.333	55.667	53.559
4	M _{4->6}	7.333	56.667	90.333	121.333	186.000	94.333	95.908
4	M _{5->6}	28.667	72.000	110.333	158.000	336.667	136.333	156.050
4	M _{7->6}	29.333	176.667	223.000	271.333	346.000	196.333	188.837

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
4	M _{8->6}	0.000	12.000	27.667	48.000	107.333	39.667	40.466
4	M _{9->6}	0.000	65.333	100.333	129.333	188.000	94.333	92.663
4	M _{10->6}	30.000	70.000	101.667	146.667	251.333	125.000	132.279
4	M _{1->7}	0.000	16.000	25.000	91.333	193.333	79.000	79.114
4	M _{2->7}	10.000	51.333	83.000	118.000	200.667	95.667	101.331
4	M _{3->7}	24.000	67.333	97.667	133.333	212.000	109.667	114.019
4	M _{4->7}	40.000	92.000	131.000	172.667	306.000	146.333	156.530
4	M _{5->7}	0.000	18.667	40.333	66.667	128.000	54.333	54.837
4	M _{6->7}	57.333	160.667	223.667	280.000	391.333	226.333	227.910
4	M _{8->7}	86.000	242.667	315.000	395.333	500.000	307.000	302.851
4	M _{9->7}	44.667	100.667	147.667	190.667	327.333	162.333	172.666
4	M _{10->7}	0.000	0.000	19.667	62.000	398.667	62.333	118.623
4	M _{1->8}	0.000	107.333	151.667	206.667	294.000	152.333	147.059
4	M _{2->8}	0.000	30.667	52.333	76.667	134.667	61.000	64.165
4	M _{3->8}	10.667	39.333	79.000	124.667	364.667	111.667	150.772
4	M _{4->8}	22.000	121.333	160.333	209.333	285.333	162.333	161.748
4	M _{5->8}	0.000	22.667	47.000	78.000	212.667	66.333	82.745
4	M _{6->8}	40.667	81.333	130.333	188.667	499.333	170.333	218.231
4	M _{7->8}	3.333	35.333	75.667	120.667	456.000	106.333	159.363
4	M _{9->8}	0.000	4.667	27.000	60.000	339.333	55.667	94.828
4	M _{10->8}	157.333	218.000	267.667	324.000	489.333	292.333	306.880
4	M _{1->9}	68.000	126.667	178.333	231.333	374.667	199.667	210.304
4	M _{2->9}	21.333	71.333	105.667	146.000	249.333	121.000	128.320
4	M _{3->9}	19.333	68.000	101.667	138.000	212.667	110.333	113.099
4	M _{4->9}	21.333	60.000	91.667	126.667	510.000	267.667	260.385
4	M _{5->9}	50.000	106.000	157.667	221.333	374.667	185.667	195.867
4	M _{6->9}	0.000	24.000	58.333	106.000	216.000	91.000	97.905
4	M _{7->9}	24.667	83.333	119.000	170.667	276.667	139.667	146.173
4	M _{8->9}	55.333	115.333	154.333	196.000	291.333	165.000	170.089
4	M _{10->9}	0.000	1.333	19.000	38.667	274.667	130.333	118.437
4	M _{1->10}	0.000	18.667	58.333	110.667	313.333	100.333	129.395
4	M _{2->10}	48.667	112.000	148.333	195.333	288.667	161.000	165.112
4	M _{3->10}	0.000	5.333	22.333	46.000	128.667	41.000	40.812
4	M _{4->10}	35.333	228.667	283.000	344.667	419.333	241.000	231.706
4	M _{5->10}	0.000	36.000	75.000	120.000	217.333	97.667	103.394
4	M _{6->10}	0.000	18.667	52.333	90.667	460.667	241.000	227.952
4	M _{7->10}	0.000	27.333	54.333	88.000	188.000	73.667	82.620
4	M _{8->10}	102.667	218.000	268.333	337.333	446.000	280.333	281.315
4	M _{9->10}	78.000	148.000	224.333	258.667	396.667	219.667	225.441
5	Θ_1	0.00000	0.00073	0.00297	0.00567	0.03527	0.00510	0.01269

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
5	Θ_2	0.00000	0.00153	0.00403	0.00740	0.02527	0.00657	0.00897
5	Θ_3	0.00000	0.00027	0.00250	0.00513	0.03013	0.00490	0.01594
5	Θ_4	0.00000	0.00127	0.00283	0.00460	0.01220	0.00377	0.00429
5	Θ_5	0.00000	0.00073	0.00217	0.00360	0.01320	0.00303	0.00459
5	Θ_6	0.00000	0.00107	0.00230	0.00367	0.00720	0.00290	0.00273
5	Θ_7	0.00000	0.00253	0.00470	0.00693	0.01513	0.00557	0.00620
5	Θ_8	0.00000	0.00113	0.00243	0.00373	0.00693	0.00297	0.00275
5	Θ_9	0.00000	0.00267	0.00443	0.00640	0.01160	0.00510	0.00544
5	Θ_{10}	0.00000	0.00240	0.00517	0.01047	0.03093	0.00917	0.01177
5	$M_{2 \rightarrow 1}$	0.000	10.000	23.000	38.667	72.667	517.000	494.109
5	$M_{3 \rightarrow 1}$	14.667	186.000	243.000	307.333	576.667	245.667	263.630
5	$M_{4 \rightarrow 1}$	0.000	0.000	24.333	110.000	520.000	110.333	171.477
5	$M_{5 \rightarrow 1}$	0.000	49.333	112.333	191.333	525.333	163.667	221.061
5	$M_{6 \rightarrow 1}$	17.333	358.000	509.000	588.667	786.000	471.667	464.413
5	$M_{7 \rightarrow 1}$	342.667	683.333	737.000	957.333	999.333	715.000	657.083
5	$M_{8 \rightarrow 1}$	178.000	588.667	699.000	800.667	984.000	587.667	569.998
5	$M_{9 \rightarrow 1}$	0.000	126.000	201.000	302.000	546.667	255.667	271.297
5	$M_{10 \rightarrow 1}$	98.667	507.333	679.000	720.000	934.667	565.000	539.098
5	$M_{1 \rightarrow 2}$	4.000	132.000	224.333	342.667	612.000	284.333	313.721
5	$M_{3 \rightarrow 2}$	0.000	3.333	26.333	94.000	370.667	91.000	119.589
5	$M_{4 \rightarrow 2}$	116.667	309.333	419.000	479.333	880.000	483.000	492.189
5	$M_{5 \rightarrow 2}$	0.000	4.667	30.333	142.000	482.667	191.667	201.790
5	$M_{6 \rightarrow 2}$	0.000	8.000	33.667	127.333	376.000	121.000	141.357
5	$M_{7 \rightarrow 2}$	0.000	228.000	272.333	413.333	675.333	348.333	355.283
5	$M_{8 \rightarrow 2}$	18.667	44.000	139.667	272.667	589.333	247.667	278.525
5	$M_{9 \rightarrow 2}$	67.333	166.000	222.333	311.333	529.333	261.667	281.837
5	$M_{10 \rightarrow 2}$	288.000	532.667	709.000	749.333	874.667	598.333	590.561
5	$M_{1 \rightarrow 3}$	48.000	170.667	223.667	386.000	688.000	317.667	351.511
5	$M_{2 \rightarrow 3}$	0.000	52.667	150.333	216.000	552.667	188.333	234.106
5	$M_{4 \rightarrow 3}$	636.667	814.667	971.667	999.333	999.333	727.000	649.876
5	$M_{5 \rightarrow 3}$	0.000	10.667	121.667	180.000	605.333	217.000	256.274
5	$M_{6 \rightarrow 3}$	14.000	354.000	423.667	486.667	755.333	409.667	396.616
5	$M_{7 \rightarrow 3}$	0.000	10.667	120.333	227.333	623.333	228.333	272.884
5	$M_{8 \rightarrow 3}$	54.000	369.333	495.000	587.333	813.333	450.333	440.113
5	$M_{9 \rightarrow 3}$	0.000	188.000	230.333	382.667	504.667	256.333	253.594
5	$M_{10 \rightarrow 3}$	272.000	338.000	461.000	619.333	988.667	519.000	535.577
5	$M_{1 \rightarrow 4}$	230.000	316.667	453.000	542.667	800.000	457.000	456.709
5	$M_{2 \rightarrow 4}$	18.667	60.000	106.333	164.667	355.333	142.333	163.693
5	$M_{3 \rightarrow 4}$	0.000	24.667	75.000	146.667	477.333	133.000	201.975
5	$M_{5 \rightarrow 4}$	238.667	452.000	490.333	646.000	904.000	563.000	571.180
5	$M_{6 \rightarrow 4}$	0.000	24.000	53.667	94.667	230.000	80.333	92.499

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
5	M _{7->4}	2.667	38.000	82.333	142.667	350.667	123.667	148.986
5	M _{8->4}	5.333	102.667	146.333	237.333	487.333	204.333	222.075
5	M _{9->4}	99.333	174.667	249.000	341.333	540.000	297.000	311.565
5	M _{10->4}	24.000	93.333	189.000	226.667	365.333	185.667	191.392
5	M _{1->5}	0.000	20.000	50.333	182.000	398.667	167.667	179.245
5	M _{2->5}	86.667	244.000	287.667	337.333	746.667	370.333	387.507
5	M _{3->5}	16.000	74.000	117.667	202.000	398.000	174.333	190.721
5	M _{4->5}	112.000	310.667	509.000	599.333	884.667	492.333	496.748
5	M _{6->5}	0.000	67.333	175.000	250.667	533.333	199.667	225.024
5	M _{7->5}	33.333	118.000	219.667	273.333	714.000	239.000	294.605
5	M _{8->5}	34.000	292.667	395.667	510.667	698.667	401.000	394.180
5	M _{9->5}	0.000	0.000	25.667	127.333	613.333	235.000	251.326
5	M _{10->5}	98.667	428.000	573.000	696.667	902.667	525.000	511.102
5	M _{1->6}	0.000	0.667	25.667	120.667	434.000	127.000	153.061
5	M _{2->6}	1.333	237.333	376.333	506.000	764.667	392.333	400.283
5	M _{3->6}	98.667	228.667	313.667	498.000	672.667	381.667	403.674
5	M _{4->6}	122.000	302.000	390.333	520.000	897.333	459.000	487.722
5	M _{5->6}	0.667	38.000	109.000	257.333	656.000	235.000	289.783
5	M _{7->6}	345.333	511.333	537.667	702.000	999.333	677.000	677.601
5	M _{8->6}	16.667	68.000	164.333	258.667	586.667	254.333	294.936
5	M _{9->6}	19.333	296.667	408.333	466.667	865.333	411.000	440.440
5	M _{10->6}	0.000	16.667	75.667	215.333	638.667	204.333	266.522
5	M _{1->7}	36.667	82.000	120.333	180.000	353.333	155.667	171.345
5	M _{2->7}	0.000	10.667	35.000	71.333	347.333	63.667	100.230
5	M _{3->7}	0.000	38.667	75.000	137.333	363.333	117.667	145.381
5	M _{4->7}	136.667	242.000	323.000	364.000	558.000	322.333	337.045
5	M _{5->7}	0.000	24.000	49.000	77.333	151.333	63.000	67.038
5	M _{6->7}	7.333	60.667	95.667	155.333	306.667	127.667	141.588
5	M _{8->7}	16.000	91.333	150.333	227.333	437.333	193.667	213.784
5	M _{9->7}	17.333	122.000	213.667	284.000	564.667	231.000	262.006
5	M _{10->7}	8.667	220.000	277.000	325.333	422.000	229.667	221.897
5	M _{1->8}	0.000	13.333	35.667	97.333	337.333	87.667	107.864
5	M _{2->8}	84.000	139.333	174.333	329.333	576.000	292.333	309.200
5	M _{3->8}	0.000	7.333	26.333	125.333	354.667	119.000	135.886
5	M _{4->8}	13.333	247.333	383.000	454.667	639.333	358.333	358.986
5	M _{5->8}	14.000	112.667	160.333	260.000	498.667	217.000	240.267
5	M _{6->8}	32.667	104.000	189.667	259.333	500.000	220.333	244.164
5	M _{7->8}	0.000	2.000	31.000	94.000	476.000	91.667	148.492
5	M _{9->8}	64.000	118.667	207.000	291.333	650.667	309.000	332.220
5	M _{10->8}	92.000	192.667	233.000	400.000	654.000	336.333	353.862
5	M _{1->9}	0.000	36.000	66.333	112.667	264.667	93.667	109.118

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
5	M _{2->9}	66.667	130.667	187.000	270.667	466.667	233.667	251.244
5	M _{3->9}	0.000	60.000	126.333	192.667	451.333	159.667	192.867
5	M _{4->9}	0.000	10.000	36.333	87.333	271.333	80.333	98.069
5	M _{5->9}	162.000	216.667	317.667	392.000	898.000	531.000	537.208
5	M _{6->9}	0.000	4.000	25.000	68.667	376.000	65.000	105.681
5	M _{7->9}	18.000	295.333	450.333	539.333	860.667	427.000	435.076
5	M _{8->9}	18.000	63.333	137.000	183.333	374.000	156.333	173.022
5	M _{10->9}	0.000	0.000	23.000	90.667	291.333	91.000	105.441
5	M _{1->10}	0.000	108.667	195.000	252.667	500.667	201.667	226.952
5	M _{2->10}	126.000	226.667	323.667	397.333	583.333	319.667	312.256
5	M _{3->10}	0.000	2.000	25.000	74.667	277.333	73.000	90.159
5	M _{4->10}	20.667	86.000	156.333	209.333	428.667	178.333	203.477
5	M _{5->10}	0.000	32.667	83.000	130.000	287.333	111.667	158.638
5	M _{6->10}	0.000	35.333	91.667	144.667	333.333	119.000	132.628
5	M _{7->10}	45.333	129.333	187.000	271.333	470.667	223.667	239.512
5	M _{8->10}	2.667	148.000	247.000	326.000	432.667	245.667	259.594
5	M _{9->10}	552.667	787.333	944.333	990.000	999.333	796.333	735.252
6	Θ_1	0.00000	0.00093	0.00223	0.00347	0.00660	0.00277	0.00247
6	Θ_2	0.00000	0.00173	0.00337	0.00513	0.01033	0.00410	0.00438
6	Θ_3	0.00000	0.00253	0.00423	0.00600	0.01160	0.00483	0.00527
6	Θ_4	0.00000	0.00020	0.00270	0.00607	0.04393	0.00590	0.01423
6	Θ_5	0.00000	0.00140	0.00323	0.00520	0.01600	0.00430	0.00552
6	Θ_6	0.00000	0.00133	0.00297	0.00473	0.01167	0.00390	0.00423
6	Θ_7	0.00000	0.00247	0.00430	0.00640	0.01267	0.00517	0.00567
6	Θ_8	0.00000	0.00187	0.00350	0.00507	0.00953	0.00403	0.00426
6	Θ_9	0.00000	0.00107	0.00230	0.00360	0.00693	0.00283	0.00262
6	Θ_{10}	0.00000	0.00047	0.00437	0.01193	0.03827	0.01150	0.02480
6	M _{2->1}	0.000	0.000	25.000	94.667	392.667	94.333	140.344
6	M _{3->1}	0.000	0.000	23.000	93.333	247.333	93.667	182.354
6	M _{4->1}	0.000	6.000	23.000	44.667	129.333	39.667	40.363
6	M _{5->1}	0.000	6.000	22.333	42.667	128.667	37.667	39.561
6	M _{6->1}	91.333	189.333	235.000	342.667	588.667	289.000	312.483
6	M _{7->1}	71.333	146.000	176.333	274.000	417.333	239.000	243.500
6	M _{8->1}	44.667	248.667	396.333	478.667	676.667	361.000	362.191
6	M _{9->1}	0.000	29.333	57.667	89.333	166.000	72.333	75.296
6	M _{10->1}	4.000	38.000	67.667	116.000	220.667	96.333	103.464
6	M _{1->2}	2.667	52.000	99.000	134.667	217.333	105.000	107.575
6	M _{3->2}	0.000	40.000	77.000	107.333	193.333	85.667	90.415
6	M _{4->2}	29.333	185.333	233.667	267.333	424.000	215.000	221.517
6	M _{5->2}	0.000	9.333	25.667	53.333	127.333	46.333	46.730

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
6	M _{6->2}	0.000	11.333	27.667	50.000	118.667	41.667	44.028
6	M _{7->2}	0.000	4.000	19.000	34.000	314.000	129.000	126.663
6	M _{8->2}	0.000	26.000	53.000	83.333	184.000	69.667	79.164
6	M _{9->2}	34.667	84.667	126.333	171.333	324.000	147.667	161.658
6	M _{10->2}	0.000	10.667	38.333	75.333	597.333	316.333	301.430
6	M _{1->3}	0.000	4.667	16.333	26.667	66.667	22.333	15.394
6	M _{2->3}	31.333	80.667	137.667	176.000	268.000	143.000	146.252
6	M _{4->3}	0.000	18.667	41.000	66.667	130.000	54.333	53.980
6	M _{5->3}	12.000	56.667	84.333	114.667	176.000	91.000	92.956
6	M _{6->3}	0.000	12.000	37.000	97.333	216.667	90.333	97.522
6	M _{7->3}	56.667	184.000	261.667	312.000	416.667	245.000	244.493
6	M _{8->3}	46.667	96.000	127.667	162.000	242.667	137.000	141.933
6	M _{9->3}	0.000	7.333	21.000	37.333	78.667	31.000	25.623
6	M _{10->3}	20.000	74.000	109.000	140.667	233.333	115.000	121.014
6	M _{1->4}	52.667	152.667	182.333	294.000	528.000	253.667	275.962
6	M _{2->4}	0.000	0.000	23.000	85.333	434.667	85.667	147.682
6	M _{3->4}	82.667	371.333	412.333	454.667	808.000	399.667	416.546
6	M _{5->4}	32.000	146.667	214.333	307.333	532.667	247.000	264.761
6	M _{6->4}	0.000	3.333	23.667	64.000	266.000	61.000	78.665
6	M _{7->4}	20.000	177.333	275.667	362.667	802.667	300.333	355.866
6	M _{8->4}	54.667	130.000	251.000	281.333	462.667	232.333	240.899
6	M _{9->4}	0.000	12.000	33.000	78.000	214.667	69.000	78.647
6	M _{10->4}	0.000	168.000	261.000	322.667	493.333	254.333	256.101
6	M _{1->5}	0.000	65.333	201.000	283.333	573.333	235.667	265.527
6	M _{2->5}	0.000	5.333	33.000	124.000	337.333	119.667	137.439
6	M _{3->5}	106.667	196.000	369.667	415.333	677.333	363.667	378.457
6	M _{4->5}	39.333	310.667	373.000	402.667	486.667	263.000	266.129
6	M _{6->5}	0.000	27.333	59.000	164.000	360.000	145.667	160.900
6	M _{7->5}	4.000	38.667	99.667	188.000	436.000	167.000	191.307
6	M _{8->5}	56.000	133.333	211.667	356.667	761.333	328.333	369.213
6	M _{9->5}	0.000	5.333	151.667	223.333	633.333	234.333	271.464
6	M _{10->5}	14.000	74.667	129.667	210.667	370.667	167.667	179.012
6	M _{1->6}	160.000	473.333	594.333	674.667	938.667	536.333	535.668
6	M _{2->6}	0.000	28.000	65.667	118.000	270.667	103.000	120.417
6	M _{3->6}	0.000	2.000	21.667	47.333	462.667	179.667	191.142
6	M _{4->6}	292.667	724.000	952.333	988.667	999.333	625.667	591.883
6	M _{5->6}	32.000	96.000	172.333	262.000	526.000	242.333	267.289
6	M _{7->6}	16.667	67.333	114.333	180.667	340.000	150.333	165.335
6	M _{8->6}	0.000	48.667	107.000	208.667	384.000	174.333	183.397
6	M _{9->6}	24.667	85.333	153.667	213.333	474.667	201.000	221.490
6	M _{10->6}	18.000	215.333	325.000	428.000	570.000	312.333	310.074

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
6	M _{1->7}	0.000	18.667	51.000	84.667	181.333	71.667	74.679
6	M _{2->7}	2.000	66.667	112.333	144.667	222.667	109.667	112.201
6	M _{3->7}	84.000	304.667	359.667	402.667	583.333	331.000	328.675
6	M _{4->7}	25.333	73.333	101.667	168.000	288.000	141.000	148.886
6	M _{5->7}	0.000	0.667	22.333	51.333	214.000	51.000	64.191
6	M _{6->7}	112.667	225.333	283.667	358.000	535.333	303.000	313.674
6	M _{8->7}	0.000	24.667	53.667	112.000	261.333	99.000	113.146
6	M _{9->7}	59.333	151.333	187.000	269.333	372.000	214.333	217.239
6	M _{10->7}	38.667	94.000	129.000	180.667	308.667	152.333	163.975
6	M _{1->8}	0.000	20.667	53.000	101.333	295.333	90.333	117.002
6	M _{2->8}	101.333	206.667	268.333	324.000	450.000	271.000	275.680
6	M _{3->8}	22.000	92.000	144.333	194.667	301.333	152.333	157.255
6	M _{4->8}	0.000	0.000	19.667	44.667	246.667	45.000	65.452
6	M _{5->8}	8.667	31.333	59.667	125.333	268.000	123.000	131.254
6	M _{6->8}	10.000	45.333	75.667	114.667	222.000	95.667	104.503
6	M _{7->8}	162.000	242.667	296.333	348.000	460.667	305.000	308.665
6	M _{9->8}	12.667	102.667	145.000	195.333	261.333	145.667	142.599
6	M _{10->8}	24.000	78.000	116.333	155.333	257.333	127.667	134.136
6	M _{1->9}	0.000	38.667	89.667	120.000	211.333	93.000	94.494
6	M _{2->9}	0.000	5.333	21.000	38.667	106.667	33.667	32.346
6	M _{3->9}	12.000	136.000	200.333	280.667	379.333	201.667	200.427
6	M _{4->9}	0.000	17.333	43.000	98.000	244.667	86.333	97.831
6	M _{5->9}	0.000	14.667	34.333	61.333	136.000	51.000	53.054
6	M _{6->9}	10.000	58.000	94.333	142.000	258.000	116.333	127.424
6	M _{7->9}	12.000	60.667	91.000	134.000	248.667	110.333	119.503
6	M _{8->9}	160.000	282.667	355.000	484.000	679.333	402.333	412.650
6	M _{10->9}	4.000	146.667	204.333	278.667	364.667	201.667	196.885
6	M _{1->10}	25.333	75.333	108.333	154.000	257.333	126.333	133.096
6	M _{2->10}	14.667	170.667	216.333	356.667	445.333	243.667	240.309
6	M _{3->10}	98.000	181.333	230.333	296.667	446.667	252.333	261.621
6	M _{4->10}	22.667	77.333	131.667	192.667	366.667	159.000	173.206
6	M _{5->10}	0.000	5.333	20.333	36.000	99.333	31.667	29.666
6	M _{6->10}	0.000	148.000	217.667	286.000	402.000	211.667	202.416
6	M _{7->10}	27.333	76.667	122.333	172.000	303.333	144.333	153.920
6	M _{8->10}	50.000	198.667	330.333	406.000	604.667	327.000	336.431
6	M _{9->10}	149.333	232.000	304.333	370.000	516.000	319.667	326.463
7	Θ_1	0.00000	0.00140	0.00277	0.00420	0.00780	0.00330	0.00328
7	Θ_2	0.00000	0.00127	0.00317	0.00587	0.01347	0.00503	0.00527
7	Θ_3	0.00000	0.00073	0.00190	0.00300	0.00567	0.00237	0.00186
7	Θ_4	0.00040	0.00367	0.00630	0.00973	0.02473	0.00830	0.00999

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
7	Θ_5	0.00000	0.00053	0.00210	0.00373	0.01693	0.00330	0.00810
7	Θ_6	0.00000	0.00087	0.00263	0.00487	0.01527	0.00423	0.00508
7	Θ_7	0.00000	0.00233	0.00437	0.00673	0.01713	0.00557	0.00663
7	Θ_8	0.00000	0.00287	0.00563	0.01007	0.03833	0.00883	0.01283
7	Θ_9	0.00080	0.00367	0.00643	0.01027	0.02960	0.00890	0.01134
7	Θ_{10}	0.00000	0.00133	0.00290	0.00473	0.01060	0.00390	0.00413
7	$M_{2 \rightarrow 1}$	18.667	50.667	77.667	116.667	242.000	119.667	125.792
7	$M_{3 \rightarrow 1}$	0.000	0.000	19.667	48.667	146.667	49.000	48.505
7	$M_{4 \rightarrow 1}$	23.333	82.667	117.667	149.333	224.667	121.000	123.390
7	$M_{5 \rightarrow 1}$	6.667	39.333	72.333	123.333	211.333	101.667	104.833
7	$M_{6 \rightarrow 1}$	63.333	106.667	143.667	178.000	266.000	153.667	157.968
7	$M_{7 \rightarrow 1}$	0.000	0.000	19.000	51.333	150.667	51.667	51.303
7	$M_{8 \rightarrow 1}$	0.000	21.333	41.000	108.667	211.333	94.333	97.911
7	$M_{9 \rightarrow 1}$	0.000	26.000	46.333	67.333	118.000	53.667	55.442
7	$M_{10 \rightarrow 1}$	34.000	71.333	105.667	162.000	354.000	170.333	180.488
7	$M_{1 \rightarrow 2}$	0.000	0.000	26.333	63.333	96.000	228.333	195.629
7	$M_{3 \rightarrow 2}$	21.333	62.000	92.333	136.000	308.667	119.000	139.999
7	$M_{4 \rightarrow 2}$	11.333	40.667	67.000	149.333	296.667	130.333	140.862
7	$M_{5 \rightarrow 2}$	0.000	7.333	25.000	82.000	180.000	75.667	75.507
7	$M_{6 \rightarrow 2}$	0.000	8.667	23.667	50.000	147.333	67.667	63.352
7	$M_{7 \rightarrow 2}$	2.000	34.000	62.333	125.333	272.000	109.000	121.685
7	$M_{8 \rightarrow 2}$	46.000	64.000	115.667	176.000	260.000	323.000	320.093
7	$M_{9 \rightarrow 2}$	28.000	94.000	147.667	206.667	432.667	177.000	200.692
7	$M_{10 \rightarrow 2}$	11.333	62.000	141.000	172.000	292.667	141.000	146.196
7	$M_{1 \rightarrow 3}$	128.000	238.000	291.667	369.333	564.000	319.000	334.751
7	$M_{2 \rightarrow 3}$	23.333	90.000	125.667	171.333	286.000	143.000	150.327
7	$M_{4 \rightarrow 3}$	0.000	0.000	25.000	70.000	436.667	182.333	175.614
7	$M_{5 \rightarrow 3}$	0.667	32.667	68.333	128.000	300.667	111.000	129.993
7	$M_{6 \rightarrow 3}$	0.000	10.667	31.000	88.667	214.000	80.333	85.739
7	$M_{7 \rightarrow 3}$	0.000	54.667	87.667	172.667	366.000	148.333	168.312
7	$M_{8 \rightarrow 3}$	23.333	36.667	89.667	180.000	578.000	203.667	260.357
7	$M_{9 \rightarrow 3}$	7.333	21.333	70.333	140.000	174.667	340.333	332.896
7	$M_{10 \rightarrow 3}$	0.000	7.333	26.333	82.667	260.000	121.667	119.392
7	$M_{1 \rightarrow 4}$	0.000	14.000	54.333	102.667	141.333	95.667	156.904
7	$M_{2 \rightarrow 4}$	46.667	101.333	137.667	187.333	354.667	161.667	178.149
7	$M_{3 \rightarrow 4}$	0.000	15.333	39.000	68.667	176.667	59.000	69.615
7	$M_{5 \rightarrow 4}$	0.000	34.667	69.667	116.667	312.667	101.000	125.037
7	$M_{6 \rightarrow 4}$	28.000	80.667	111.000	147.333	211.333	118.333	119.727
7	$M_{7 \rightarrow 4}$	1.333	33.333	65.667	115.333	244.000	99.000	110.803
7	$M_{8 \rightarrow 4}$	14.000	54.667	79.667	106.000	163.333	85.667	86.970
7	$M_{9 \rightarrow 4}$	1.333	32.000	51.667	73.333	119.333	57.667	59.439

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
7	M _{10->4}	60.000	171.333	211.000	265.333	362.667	221.000	221.357
7	M _{1->5}	0.000	20.667	50.333	96.000	260.667	84.333	103.163
7	M _{2->5}	0.000	3.333	22.333	45.333	284.000	141.000	130.952
7	M _{3->5}	20.667	99.333	149.000	195.333	290.667	151.667	154.586
7	M _{4->5}	25.333	50.667	87.667	142.667	472.000	226.333	231.721
7	M _{6->5}	4.667	57.333	93.667	137.333	263.333	113.000	123.367
7	M _{7->5}	0.000	9.333	49.667	132.667	350.000	143.000	155.986
7	M _{8->5}	113.333	170.667	214.333	278.000	724.667	377.667	395.101
7	M _{9->5}	0.000	17.333	41.000	140.667	326.667	129.000	140.448
7	M _{10->5}	24.000	120.000	207.667	282.000	481.333	234.333	252.367
7	M _{1->6}	0.000	13.333	30.333	59.333	118.000	49.667	48.958
7	M _{2->6}	56.000	106.667	141.000	184.667	285.333	157.667	164.209
7	M _{3->6}	34.000	110.000	155.000	198.667	295.333	159.667	162.264
7	M _{4->6}	140.667	212.000	267.667	338.000	491.333	295.667	304.920
7	M _{5->6}	123.333	192.000	256.333	313.333	480.000	274.333	285.912
7	M _{7->6}	0.000	26.000	46.333	122.667	242.000	106.333	111.741
7	M _{8->6}	0.000	77.333	121.667	174.000	250.000	123.667	123.632
7	M _{9->6}	0.000	25.333	59.667	96.667	208.667	81.667	90.668
7	M _{10->6}	82.667	155.333	227.000	279.333	426.667	238.333	246.861
7	M _{1->7}	0.667	29.333	60.333	128.000	273.333	111.667	125.291
7	M _{2->7}	7.333	47.333	77.000	110.000	188.667	89.000	93.348
7	M _{3->7}	0.000	0.000	19.667	58.667	217.333	60.333	69.703
7	M _{4->7}	2.000	31.333	58.333	102.667	208.667	86.333	95.183
7	M _{5->7}	0.000	3.333	37.667	88.667	306.000	85.667	118.919
7	M _{6->7}	22.667	91.333	149.667	186.667	281.333	146.333	148.423
7	M _{8->7}	71.333	126.667	158.333	203.333	301.333	175.000	180.640
7	M _{9->7}	12.000	50.667	75.667	107.333	182.000	87.667	92.789
7	M _{10->7}	12.667	54.667	85.000	114.667	196.667	94.333	99.662
7	M _{1->8}	0.000	10.667	27.667	53.333	133.333	45.667	48.089
7	M _{2->8}	8.000	22.000	67.000	130.000	182.667	120.333	184.088
7	M _{3->8}	64.000	114.000	149.667	198.667	310.667	171.000	179.012
7	M _{4->8}	68.000	130.667	169.667	218.000	329.333	185.667	193.138
7	M _{5->8}	7.333	38.667	62.333	90.000	146.667	72.333	74.705
7	M _{6->8}	52.000	102.667	138.333	188.000	318.000	163.000	173.836
7	M _{7->8}	0.000	3.333	20.333	40.667	225.333	115.667	100.669
7	M _{9->8}	49.333	178.667	255.667	301.333	369.333	225.667	217.838
7	M _{10->8}	29.333	83.333	117.000	169.333	279.333	141.000	147.737
7	M _{1->9}	20.000	72.000	116.333	160.000	300.667	134.333	147.233
7	M _{2->9}	28.667	67.333	95.000	124.667	198.667	104.333	108.482
7	M _{3->9}	1.333	34.667	58.333	83.333	140.667	65.667	68.385
7	M _{4->9}	44.667	157.333	222.333	270.000	393.333	213.667	217.132

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
7	M _{5->9}	0.000	9.333	23.000	39.333	86.667	32.333	29.882
7	M _{6->9}	21.333	104.667	141.667	185.333	253.333	144.333	143.133
7	M _{7->9}	22.000	94.667	123.667	221.333	332.000	173.667	176.901
7	M _{8->9}	10.667	46.667	72.333	102.667	170.667	83.667	86.940
7	M _{10->9}	6.667	46.667	75.000	111.333	206.667	91.000	98.303
7	M _{1->10}	114.667	188.000	247.667	307.333	529.333	270.333	290.185
7	M _{2->10}	22.667	68.667	110.333	166.000	327.333	140.333	155.203
7	M _{3->10}	84.000	131.333	224.333	276.667	480.667	248.333	268.388
7	M _{4->10}	0.000	17.333	49.667	104.667	326.667	94.333	124.031
7	M _{5->10}	23.333	50.667	131.667	234.667	578.667	213.667	260.797
7	M _{6->10}	22.667	59.333	85.000	117.333	203.333	99.000	104.984
7	M _{7->10}	14.000	57.333	89.667	122.000	214.667	100.333	107.238
7	M _{8->10}	40.667	92.000	129.667	167.333	253.333	138.333	142.877
7	M _{9->10}	12.667	37.333	74.333	126.667	298.667	111.667	131.941
8	Θ_1	0.00000	0.00053	0.00150	0.00233	0.00420	0.00190	0.00107
8	Θ_2	0.00000	0.00220	0.00403	0.00600	0.01267	0.00483	0.00534
8	Θ_3	0.00153	0.00727	0.01057	0.02593	0.05520	0.02297	0.02574
8	Θ_4	0.00000	0.00147	0.00283	0.00427	0.00780	0.00337	0.00330
8	Θ_5	0.00127	0.00320	0.00870	0.02453	0.04440	0.02323	0.03515
8	Θ_6	0.00000	0.00180	0.00370	0.00580	0.01460	0.00483	0.01435
8	Θ_7	0.00000	0.00147	0.00297	0.00453	0.00860	0.00357	0.00357
8	Θ_8	0.00000	0.00107	0.00250	0.00427	0.01047	0.00350	0.00373
8	Θ_9	0.00000	0.00187	0.00337	0.00500	0.00920	0.00397	0.00414
8	Θ_{10}	0.00000	0.00107	0.00263	0.00453	0.01527	0.00383	0.00517
8	M _{2->1}	0.000	37.333	101.000	129.333	265.333	107.000	116.346
8	M _{3->1}	42.000	91.333	133.000	174.000	286.000	147.000	154.892
8	M _{4->1}	52.000	125.333	165.000	232.000	348.000	189.000	194.667
8	M _{5->1}	4.000	14.000	79.000	159.333	529.333	194.333	235.277
8	M _{6->1}	22.000	70.000	112.333	158.000	281.333	131.667	141.597
8	M _{7->1}	13.333	60.667	94.333	136.000	220.667	109.667	114.062
8	M _{8->1}	4.667	30.000	79.667	158.000	343.333	141.667	157.898
8	M _{9->1}	0.000	0.000	33.000	123.333	544.000	199.000	223.932
8	M _{10->1}	220.000	333.333	359.667	394.667	708.000	459.000	466.759
8	M _{1->2}	4.667	27.333	55.667	91.333	265.333	129.000	130.351
8	M _{3->2}	32.000	77.333	106.333	138.000	213.333	115.667	120.238
8	M _{4->2}	6.667	30.667	62.333	124.000	314.667	132.333	145.073
8	M _{5->2}	40.667	88.000	121.667	156.000	232.667	130.333	133.634
8	M _{6->2}	39.333	68.667	97.000	140.667	304.667	164.333	168.174
8	M _{7->2}	13.333	50.667	75.667	101.333	159.333	82.333	84.957
8	M _{8->2}	0.000	24.000	44.333	66.667	118.667	53.000	55.092

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
8	M _{9->2}	8.000	48.667	80.333	116.000	185.333	91.667	94.618
8	M _{10->2}	42.000	89.333	121.000	154.000	231.333	129.000	133.547
8	M _{1->3}	23.333	66.667	103.667	188.667	338.667	161.000	172.785
8	M _{2->3}	38.667	89.333	121.667	162.000	261.333	137.000	143.993
8	M _{4->3}	54.667	101.333	187.000	235.333	501.333	262.333	271.981
8	M _{5->3}	0.000	0.000	21.667	68.000	301.333	124.333	120.345
8	M _{6->3}	55.333	107.333	143.667	183.333	279.333	156.333	162.335
8	M _{7->3}	0.000	0.000	21.000	58.000	213.333	84.333	81.458
8	M _{8->3}	72.000	122.000	162.333	202.000	311.333	174.333	180.562
8	M _{9->3}	46.000	108.667	203.000	234.667	416.667	200.333	213.492
8	M _{10->3}	80.667	146.000	184.333	238.000	358.667	206.333	214.514
8	M _{1->4}	0.667	24.000	55.667	119.333	284.667	109.000	124.468
8	M _{2->4}	12.667	31.333	81.667	162.667	231.333	191.667	282.569
8	M _{3->4}	22.000	92.667	137.667	169.333	262.000	136.333	140.516
8	M _{5->4}	0.000	24.000	45.000	69.333	127.333	55.667	57.878
8	M _{6->4}	0.000	5.333	21.667	40.667	114.667	36.333	35.415
8	M _{7->4}	18.000	72.667	103.667	145.333	209.333	113.000	113.766
8	M _{8->4}	27.333	89.333	125.667	164.000	246.000	131.667	134.258
8	M _{9->4}	24.000	50.667	91.000	148.000	542.000	217.667	251.124
8	M _{10->4}	26.000	64.000	91.667	136.000	262.667	117.000	128.866
8	M _{1->5}	34.667	90.667	166.333	202.667	390.000	173.667	190.176
8	M _{2->5}	114.000	232.000	267.667	381.333	508.667	312.333	313.301
8	M _{3->5}	48.000	104.000	155.667	218.667	375.333	185.667	199.060
8	M _{4->5}	88.000	166.000	215.667	278.000	417.333	235.667	244.504
8	M _{6->5}	0.000	4.000	24.333	80.000	240.000	76.333	86.093
8	M _{7->5}	0.000	0.000	20.333	83.333	327.333	129.667	134.072
8	M _{8->5}	6.667	39.333	69.667	106.000	194.667	87.667	93.733
8	M _{9->5}	0.000	2.000	21.667	74.000	184.000	71.667	70.482
8	M _{10->5}	36.000	96.667	143.000	175.333	262.000	143.000	146.613
8	M _{1->6}	0.000	0.000	24.333	69.333	408.667	157.000	156.150
8	M _{2->6}	0.000	15.333	41.000	77.333	179.333	67.667	76.599
8	M _{3->6}	24.667	86.667	132.333	166.667	244.667	132.333	134.045
8	M _{4->6}	0.000	0.000	17.667	53.333	85.333	179.000	154.109
8	M _{5->6}	0.000	31.333	55.000	81.333	145.333	65.000	68.169
8	M _{7->6}	24.667	49.333	88.333	182.000	458.667	181.000	212.371
8	M _{8->6}	1.333	26.667	57.667	111.333	253.333	96.333	110.836
8	M _{9->6}	3.333	16.000	53.000	123.333	432.000	161.000	187.967
8	M _{10->6}	12.000	64.000	100.333	139.333	218.000	108.333	111.938
8	M _{1->7}	0.000	32.667	61.000	91.333	153.333	72.333	73.642
8	M _{2->7}	0.000	14.667	37.000	84.667	177.333	74.333	79.912
8	M _{3->7}	45.333	69.333	117.667	191.333	618.667	265.667	303.876

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
8	M _{4->7}	3.333	30.000	60.333	103.333	233.333	89.000	102.691
8	M _{5->7}	0.000	10.667	25.000	44.667	91.333	37.000	34.080
8	M _{6->7}	28.667	85.333	119.667	156.667	234.667	127.667	130.303
8	M _{8->7}	56.000	109.333	141.000	181.333	258.667	151.000	153.450
8	M _{9->7}	2.667	44.667	77.667	110.000	184.000	86.333	89.401
8	M _{10->7}	4.000	38.000	61.667	92.667	161.333	75.000	78.998
8	M _{1->8}	24.000	45.333	95.000	166.667	431.333	198.333	212.544
8	M _{2->8}	96.667	173.333	236.333	278.667	426.667	238.333	245.306
8	M _{3->8}	60.000	112.000	156.333	202.667	448.667	233.000	241.749
8	M _{4->8}	0.000	12.000	31.667	68.000	148.000	59.000	60.194
8	M _{5->8}	22.000	74.667	132.333	172.000	302.667	142.333	151.464
8	M _{6->8}	56.667	104.000	180.333	233.333	432.000	206.333	223.902
8	M _{7->8}	124.667	206.000	281.667	336.667	482.667	291.000	297.599
8	M _{9->8}	26.667	56.000	99.667	252.000	539.333	232.333	258.247
8	M _{10->8}	0.000	16.000	36.333	73.333	160.000	61.667	62.504
8	M _{1->9}	12.667	30.000	70.333	130.667	435.333	180.333	205.164
8	M _{2->9}	40.667	86.667	122.333	162.000	244.667	135.667	138.919
8	M _{3->9}	0.000	18.667	38.333	74.000	144.000	61.000	62.084
8	M _{4->9}	0.000	20.667	42.333	76.667	148.667	63.000	65.297
8	M _{5->9}	4.667	26.667	57.667	122.667	265.333	108.333	120.684
8	M _{6->9}	7.333	45.333	68.333	126.667	226.667	103.667	109.428
8	M _{7->9}	19.333	62.667	91.000	122.667	198.000	101.000	104.849
8	M _{8->9}	15.333	34.667	78.333	128.667	478.000	209.667	228.051
8	M _{10->9}	0.000	5.333	21.000	42.667	170.667	71.667	66.942
8	M _{1->10}	0.000	24.000	63.000	142.000	328.667	127.667	144.264
8	M _{2->10}	11.333	27.333	61.667	148.667	488.000	222.333	229.695
8	M _{3->10}	54.667	118.000	167.667	214.000	310.667	175.000	178.398
8	M _{4->10}	146.667	220.667	280.333	348.000	490.667	303.000	310.867
8	M _{5->10}	0.000	26.667	53.667	84.000	154.667	68.333	71.517
8	M _{6->10}	11.333	51.333	81.000	118.000	210.000	97.000	103.008
8	M _{7->10}	36.667	80.667	156.333	250.667	531.333	241.667	270.807
8	M _{8->10}	14.000	78.000	120.333	172.667	282.000	135.000	142.181
8	M _{9->10}	50.667	98.000	155.667	206.667	449.333	232.333	240.848
9	Θ_1	0.00000	0.00127	0.00323	0.00553	0.01840	0.00470	0.00602
9	Θ_2	0.00000	0.00093	0.00217	0.00340	0.00660	0.00270	0.00239
9	Θ_3	0.00000	0.00147	0.00357	0.00600	0.02120	0.00510	0.00702
9	Θ_4	0.00000	0.00253	0.00617	0.01240	0.03247	0.01117	0.02624
9	Θ_5	0.00000	0.00193	0.00350	0.00507	0.00860	0.00397	0.00401
9	Θ_6	0.00000	0.00213	0.00383	0.00560	0.01027	0.00443	0.00468
9	Θ_7	0.00000	0.00113	0.00243	0.00387	0.00727	0.00303	0.00288

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
9	Θ_8	0.00000	0.00240	0.00450	0.00693	0.01467	0.00563	0.00628
9	Θ_9	0.00000	0.00140	0.00283	0.00433	0.00840	0.00343	0.00352
9	Θ_{10}	0.00000	0.00127	0.00277	0.00440	0.00947	0.00357	0.00363
9	$M_{2 \rightarrow 1}$	55.333	101.333	168.333	258.000	506.000	241.000	258.743
9	$M_{3 \rightarrow 1}$	60.667	208.667	291.000	381.333	535.333	291.000	295.514
9	$M_{4 \rightarrow 1}$	0.000	22.667	48.333	79.333	158.000	65.000	68.372
9	$M_{5 \rightarrow 1}$	30.667	88.000	127.667	176.000	281.333	143.667	149.016
9	$M_{6 \rightarrow 1}$	13.333	77.333	120.333	166.667	264.000	131.000	136.438
9	$M_{7 \rightarrow 1}$	0.000	29.333	63.000	102.667	209.333	85.667	94.170
9	$M_{8 \rightarrow 1}$	24.000	85.333	116.333	169.333	424.000	212.333	217.716
9	$M_{9 \rightarrow 1}$	12.000	56.000	89.000	129.333	234.000	106.333	114.509
9	$M_{10 \rightarrow 1}$	0.000	23.333	61.667	140.667	416.000	150.333	171.873
9	$M_{1 \rightarrow 2}$	14.667	76.667	141.000	207.333	449.333	177.667	206.203
9	$M_{3 \rightarrow 2}$	17.333	61.333	103.667	241.333	553.333	217.000	249.335
9	$M_{4 \rightarrow 2}$	80.000	186.000	245.000	331.333	474.000	272.333	277.674
9	$M_{5 \rightarrow 2}$	2.667	48.000	88.333	154.667	340.000	130.333	149.684
9	$M_{6 \rightarrow 2}$	0.000	86.000	123.000	212.000	340.000	161.667	167.160
9	$M_{7 \rightarrow 2}$	3.333	44.667	79.000	134.667	302.000	113.000	131.189
9	$M_{8 \rightarrow 2}$	41.333	74.667	128.333	191.333	549.333	260.333	272.630
9	$M_{9 \rightarrow 2}$	31.333	120.667	199.667	251.333	468.667	207.000	225.256
9	$M_{10 \rightarrow 2}$	58.000	172.000	255.667	365.333	622.667	289.000	307.842
9	$M_{1 \rightarrow 3}$	26.000	72.000	104.333	150.000	250.000	123.667	129.964
9	$M_{2 \rightarrow 3}$	2.000	22.000	62.333	152.667	412.000	141.000	171.556
9	$M_{4 \rightarrow 3}$	0.000	123.333	176.333	249.333	346.000	181.000	177.150
9	$M_{5 \rightarrow 3}$	0.000	96.000	147.000	194.667	298.667	141.000	136.877
9	$M_{6 \rightarrow 3}$	92.667	150.667	221.667	298.667	607.333	264.333	297.199
9	$M_{7 \rightarrow 3}$	0.000	12.667	35.000	72.000	208.000	63.000	74.359
9	$M_{8 \rightarrow 3}$	3.333	56.667	119.000	162.000	302.667	131.000	140.036
9	$M_{9 \rightarrow 3}$	0.000	8.667	27.000	54.000	145.333	47.667	51.774
9	$M_{10 \rightarrow 3}$	30.667	89.333	130.333	172.667	290.667	143.000	151.481
9	$M_{1 \rightarrow 4}$	0.000	0.000	19.000	66.667	302.667	67.000	95.650
9	$M_{2 \rightarrow 4}$	0.000	16.000	35.000	58.667	123.333	48.333	50.754
9	$M_{3 \rightarrow 4}$	48.667	144.000	187.667	228.667	314.667	186.333	186.181
9	$M_{5 \rightarrow 4}$	9.333	107.333	159.667	200.667	268.667	149.667	146.797
9	$M_{6 \rightarrow 4}$	36.000	75.333	113.000	155.333	292.667	133.667	145.524
9	$M_{7 \rightarrow 4}$	47.333	120.667	165.667	238.000	424.000	201.667	218.248
9	$M_{8 \rightarrow 4}$	24.667	51.333	94.333	154.667	402.667	138.333	172.100
9	$M_{9 \rightarrow 4}$	22.667	66.667	103.667	157.333	372.000	137.000	162.279
9	$M_{10 \rightarrow 4}$	0.000	5.333	29.667	72.667	237.333	68.333	84.325
9	$M_{1 \rightarrow 5}$	5.333	43.333	77.667	120.667	211.333	97.667	103.034
9	$M_{2 \rightarrow 5}$	4.000	39.333	69.667	117.333	222.000	97.667	105.331

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
9	M _{3->5}	0.000	26.667	51.000	82.000	160.000	67.000	71.232
9	M _{4->5}	61.333	116.000	156.333	199.333	304.667	167.667	172.772
9	M _{6->5}	180.667	232.000	321.667	385.333	606.000	362.333	378.165
9	M _{7->5}	52.667	114.667	153.667	204.000	324.000	171.667	180.300
9	M _{8->5}	36.000	96.667	131.667	170.667	278.667	143.000	150.748
9	M _{9->5}	0.000	13.333	25.000	62.667	232.000	100.333	100.194
9	M _{10->5}	0.000	6.667	37.000	118.667	394.000	129.000	152.225
9	M _{1->6}	8.667	30.667	47.000	65.333	350.000	183.000	178.396
9	M _{2->6}	40.000	120.667	163.667	208.000	318.667	169.667	174.587
9	M _{3->6}	31.333	73.333	103.667	135.333	216.667	113.667	117.929
9	M _{4->6}	26.000	66.000	89.667	137.333	229.333	115.667	121.258
9	M _{5->6}	16.667	70.000	143.000	167.333	256.667	131.667	134.293
9	M _{7->6}	84.000	136.000	178.333	234.000	383.333	205.667	218.403
9	M _{8->6}	2.000	35.333	63.667	96.000	181.333	79.000	85.340
9	M _{9->6}	14.667	62.667	108.333	147.333	246.667	117.667	122.656
9	M _{10->6}	6.000	39.333	65.667	98.000	174.667	80.333	85.118
9	M _{1->7}	0.000	8.667	24.333	48.667	111.333	42.333	40.035
9	M _{2->7}	0.000	14.667	39.000	70.667	371.333	197.000	182.895
9	M _{3->7}	5.333	38.000	63.000	98.667	176.667	81.667	86.879
9	M _{4->7}	8.667	44.667	77.000	114.000	219.333	95.000	103.352
9	M _{5->7}	7.333	49.333	81.000	108.667	176.000	86.333	89.503
9	M _{6->7}	2.000	46.667	79.000	122.000	226.000	98.333	106.573
9	M _{8->7}	9.333	51.333	87.000	132.667	228.667	108.333	114.321
9	M _{9->7}	80.000	176.000	221.000	312.000	419.333	241.667	246.285
9	M _{10->7}	0.000	15.333	48.333	101.333	275.333	91.667	110.596
9	M _{1->8}	10.000	58.000	101.000	133.333	208.667	104.333	106.880
9	M _{2->8}	0.000	1.333	21.667	50.000	240.000	101.000	96.623
9	M _{3->8}	0.000	23.333	47.667	134.667	294.000	119.667	130.671
9	M _{4->8}	42.000	92.667	126.333	170.000	286.000	145.000	154.570
9	M _{5->8}	23.333	85.333	116.333	157.333	226.667	125.000	126.496
9	M _{6->8}	33.333	80.667	126.333	169.333	312.667	145.000	157.449
9	M _{7->8}	0.667	24.000	57.667	123.333	291.333	123.000	135.795
9	M _{9->8}	52.000	123.333	160.333	216.667	332.667	179.667	185.804
9	M _{10->8}	0.000	45.333	95.667	127.333	200.000	97.000	97.656
9	M _{1->9}	0.000	0.667	25.667	86.667	282.000	85.667	102.227
9	M _{2->9}	2.667	38.000	64.333	97.333	182.000	79.667	86.420
9	M _{3->9}	0.000	6.000	22.333	43.333	108.000	38.333	36.413
9	M _{4->9}	26.667	70.000	108.333	178.667	389.333	160.333	208.563
9	M _{5->9}	32.000	89.333	115.667	168.000	271.333	139.000	145.652
9	M _{6->9}	10.000	54.667	91.667	128.667	222.667	104.333	110.042
9	M _{7->9}	2.667	25.333	60.333	121.333	304.667	108.333	130.696

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
9	M _{8->9}	31.333	76.667	107.667	153.333	288.000	131.000	142.567
9	M _{10->9}	22.667	49.333	86.333	144.667	316.667	129.667	149.416
9	M _{1->10}	17.333	56.667	86.333	180.667	364.000	155.667	169.277
9	M _{2->10}	6.667	52.667	87.667	126.667	224.667	103.667	110.694
9	M _{3->10}	0.000	19.333	40.333	69.333	139.333	57.000	59.281
9	M _{4->10}	85.333	144.667	193.667	247.333	382.000	213.000	222.011
9	M _{5->10}	0.000	38.667	86.333	127.333	276.000	103.667	113.517
9	M _{6->10}	29.333	66.000	109.000	160.667	366.667	181.667	190.765
9	M _{7->10}	17.333	65.333	97.000	134.000	230.667	110.333	116.545
9	M _{8->10}	3.333	48.667	92.333	118.000	188.000	91.667	93.339
9	M _{9->10}	4.000	40.667	69.000	99.333	164.000	79.000	81.491
10	Θ_1	0.00047	0.00387	0.00590	0.00813	0.01560	0.00677	0.00766
10	Θ_2	0.00007	0.00280	0.00463	0.00653	0.01140	0.00523	0.00551
10	Θ_3	0.00040	0.00333	0.00523	0.00740	0.01360	0.00610	0.00663
10	Θ_4	0.00000	0.00107	0.00243	0.00393	0.00947	0.00317	0.00337
10	Θ_5	0.00013	0.00300	0.00510	0.00767	0.01487	0.00630	0.00689
10	Θ_6	0.00000	0.00307	0.00530	0.00807	0.01633	0.00670	0.00763
10	Θ_7	0.00000	0.00160	0.00470	0.01020	0.02727	0.00923	0.02162
10	Θ_8	0.00000	0.00247	0.00417	0.00600	0.01007	0.00477	0.00490
10	Θ_9	0.00200	0.00547	0.01537	0.02060	0.03187	0.01817	0.02309
10	Θ_{10}	0.00000	0.00227	0.00383	0.00547	0.00913	0.00430	0.00444
10	M _{2->1}	62.000	101.333	128.333	174.667	268.667	152.333	158.411
10	M _{3->1}	11.333	42.000	63.667	90.667	158.000	75.000	79.803
10	M _{4->1}	66.667	106.667	139.000	176.667	285.333	155.667	164.121
10	M _{5->1}	0.000	6.000	33.667	69.333	144.667	65.000	109.589
10	M _{6->1}	23.333	63.333	87.000	110.667	158.667	89.667	90.757
10	M _{7->1}	24.000	53.333	83.000	118.000	217.333	100.333	109.316
10	M _{8->1}	95.333	156.667	193.667	230.667	297.333	195.667	195.658
10	M _{9->1}	0.000	10.667	23.667	38.000	72.667	30.333	27.360
10	M _{10->1}	76.000	129.333	160.333	192.000	260.667	165.000	166.148
10	M _{1->2}	74.000	118.667	149.000	180.667	246.000	155.667	157.680
10	M _{3->2}	105.333	158.667	200.333	240.667	364.000	213.000	222.402
10	M _{4->2}	23.333	62.000	87.000	113.333	167.333	92.333	94.019
10	M _{5->2}	100.667	170.000	212.333	248.000	320.000	210.333	209.870
10	M _{6->2}	10.667	44.000	65.000	88.000	143.333	71.667	74.311
10	M _{7->2}	2.000	17.333	49.000	96.000	295.333	87.000	118.425
10	M _{8->2}	0.000	5.333	19.000	32.667	79.333	28.333	22.742
10	M _{9->2}	8.667	41.333	67.000	97.333	170.667	80.333	84.858
10	M _{10->2}	56.000	105.333	135.667	172.667	261.333	147.667	152.816
10	M _{1->3}	34.667	70.000	91.667	117.333	166.000	98.333	99.327

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
10	M _{2->3}	23.333	46.667	75.667	120.000	239.333	106.333	119.119
10	M _{4->3}	19.333	46.000	73.000	107.333	204.000	92.333	101.386
10	M _{5->3}	26.000	102.000	139.667	176.667	226.000	132.333	129.529
10	M _{6->3}	2.667	19.333	45.667	77.333	199.333	68.333	85.405
10	M _{7->3}	0.000	11.333	26.333	45.333	94.667	37.000	36.346
10	M _{8->3}	48.667	83.333	113.667	154.667	256.000	135.000	142.888
10	M _{9->3}	24.000	82.667	117.667	148.667	192.667	112.333	110.231
10	M _{10->3}	12.667	42.667	64.333	98.667	180.667	82.333	88.491
10	M _{1->4}	41.333	90.000	117.667	155.333	240.000	131.667	137.237
10	M _{2->4}	69.333	174.000	209.667	294.000	396.000	237.667	238.964
10	M _{3->4}	73.333	128.000	173.667	206.667	297.333	176.333	179.520
10	M _{5->4}	30.000	59.333	113.667	193.333	479.333	175.000	222.009
10	M _{6->4}	48.000	101.333	133.667	173.333	272.000	147.667	154.001
10	M _{7->4}	84.667	152.667	197.000	249.333	364.667	211.000	217.692
10	M _{8->4}	29.333	86.000	113.000	160.667	254.000	132.333	137.478
10	M _{9->4}	158.000	240.667	281.000	339.333	450.667	293.667	296.522
10	M _{10->4}	35.333	80.667	117.000	178.667	332.000	154.333	170.465
10	M _{1->5}	29.333	125.333	158.333	189.333	272.667	145.667	147.978
10	M _{2->5}	8.667	38.000	59.000	84.667	136.667	68.333	70.224
10	M _{3->5}	7.333	35.333	53.667	72.667	114.667	58.333	59.608
10	M _{4->5}	0.000	121.333	151.000	184.667	234.667	133.000	121.628
10	M _{6->5}	72.000	111.333	135.000	189.333	273.333	163.667	168.021
10	M _{7->5}	4.667	32.667	51.667	86.000	136.000	67.667	68.809
10	M _{8->5}	103.333	173.333	210.333	243.333	309.333	182.333	162.067
10	M _{9->5}	9.333	36.667	55.667	78.000	128.667	63.667	65.850
10	M _{10->5}	38.000	75.333	98.333	150.667	241.333	128.333	133.666
10	M _{1->6}	40.667	58.000	100.333	155.333	237.333	141.667	184.939
10	M _{2->6}	46.000	84.667	110.333	142.000	214.667	122.333	126.444
10	M _{3->6}	96.000	146.667	177.667	207.333	279.333	182.333	184.754
10	M _{4->6}	88.000	137.333	174.333	218.000	262.000	157.667	139.965
10	M _{5->6}	0.000	20.667	40.333	61.333	117.333	49.667	52.410
10	M _{7->6}	20.667	54.000	80.333	116.667	204.667	98.333	104.620
10	M _{8->6}	12.000	36.667	65.000	107.333	244.000	93.667	109.343
10	M _{9->6}	0.000	1.333	21.667	44.667	166.667	43.000	52.912
10	M _{10->6}	53.333	90.000	121.000	164.000	277.333	144.333	154.063
10	M _{1->7}	0.000	7.333	23.000	46.000	247.333	115.000	111.619
10	M _{2->7}	0.000	4.667	23.000	46.667	288.667	145.667	135.606
10	M _{3->7}	0.000	5.333	38.333	94.000	263.333	89.667	112.105
10	M _{4->7}	82.667	136.000	167.000	218.000	340.667	189.667	198.200
10	M _{5->7}	20.667	57.333	98.333	175.333	342.667	155.667	170.400
10	M _{6->7}	43.333	110.667	144.333	193.333	282.667	156.333	160.591

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
10	M _{8->7}	24.667	74.667	105.667	138.000	219.333	114.333	119.277
10	M _{9->7}	70.667	131.333	187.667	232.667	345.333	197.667	203.518
10	M _{10->7}	60.000	106.000	147.000	188.667	304.000	162.333	170.084
10	M _{1->8}	70.000	122.000	149.667	179.333	243.333	154.333	155.562
10	M _{2->8}	28.667	64.667	86.333	109.333	158.667	91.000	92.096
10	M _{3->8}	20.667	55.333	77.000	98.667	144.000	80.333	81.552
10	M _{4->8}	12.000	44.667	65.000	86.667	135.333	70.333	72.396
10	M _{5->8}	78.000	120.667	149.000	176.000	245.333	154.333	157.353
10	M _{6->8}	0.000	0.000	19.000	51.333	297.333	51.667	92.565
10	M _{7->8}	0.000	28.667	49.667	74.667	143.333	61.000	66.574
10	M _{9->8}	38.667	122.667	169.000	207.333	253.333	155.000	150.676
10	M _{10->8}	0.000	7.333	20.333	32.667	70.000	27.000	22.223
10	M _{1->9}	16.667	51.333	73.000	96.000	142.667	77.667	78.881
10	M _{2->9}	20.667	54.667	76.333	100.000	154.667	82.333	84.729
10	M _{3->9}	32.667	56.667	96.333	143.333	216.667	130.333	180.390
10	M _{4->9}	0.000	22.667	40.333	59.333	99.333	47.000	47.425
10	M _{5->9}	61.333	109.333	138.333	168.000	232.000	143.000	144.906
10	M _{6->9}	6.000	51.333	82.333	108.667	152.667	81.000	79.834
10	M _{7->9}	21.333	55.333	87.667	134.000	286.667	116.333	132.943
10	M _{8->9}	37.333	94.667	131.667	160.667	228.000	131.000	132.522
10	M _{10->9}	38.667	78.000	107.000	143.333	230.000	122.333	127.903
10	M _{1->10}	46.667	82.667	113.667	158.000	276.667	137.667	148.207
10	M _{2->10}	0.000	15.333	36.333	61.333	129.333	51.667	55.972
10	M _{3->10}	72.667	117.333	145.000	170.000	218.667	145.667	145.582
10	M _{4->10}	0.000	8.000	34.333	68.000	226.000	62.333	87.889
10	M _{5->10}	59.333	104.667	132.333	164.667	242.667	142.333	146.639
10	M _{6->10}	12.667	157.333	204.333	240.000	281.333	174.333	157.495
10	M _{7->10}	0.000	0.667	20.333	41.333	152.667	40.333	47.234
10	M _{8->10}	13.333	49.333	73.667	98.000	150.667	79.000	80.341
10	M _{9->10}	6.000	34.667	53.667	73.333	118.000	59.000	60.696
All	Θ_1	0.00020	0.00147	0.00250	0.00340	0.00473	0.00257	0.00248
All	Θ_2	0.00080	0.00227	0.00330	0.00427	0.00580	0.00337	0.00332
All	Θ_3	0.00093	0.00240	0.00350	0.00440	0.00593	0.00350	0.00347
All	Θ_4	0.00053	0.00200	0.00303	0.00400	0.00540	0.00310	0.00304
All	Θ_5	0.00040	0.00180	0.00283	0.00373	0.00513	0.00290	0.00283
All	Θ_6	0.00027	0.00160	0.00263	0.00353	0.00487	0.00270	0.00262
All	Θ_7	0.00093	0.00247	0.00350	0.00447	0.00593	0.00357	0.00350
All	Θ_8	0.00073	0.00213	0.00317	0.00407	0.00553	0.00323	0.00316
All	Θ_9	0.00100	0.00253	0.00357	0.00453	0.00607	0.00363	0.00358
All	Θ_{10}	0.00053	0.00200	0.00303	0.00400	0.00547	0.00310	0.00306

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
All	M _{2->1}	70.000	105.333	124.333	142.667	182.000	125.667	126.155
All	M _{3->1}	46.000	68.667	83.667	98.667	134.000	87.667	88.546
All	M _{4->1}	64.667	94.667	115.667	135.333	166.000	116.333	115.707
All	M _{5->1}	39.333	68.000	82.333	96.667	126.000	83.667	83.494
All	M _{6->1}	82.000	109.333	124.333	138.667	165.333	125.000	124.627
All	M _{7->1}	60.667	86.667	103.667	122.667	170.667	110.333	122.775
All	M _{8->1}	68.000	98.667	114.333	130.000	169.333	117.000	118.739
All	M _{9->1}	16.000	38.000	51.000	64.000	90.000	53.000	53.164
All	M _{10->1}	136.667	190.000	212.333	234.667	258.000	196.333	179.447
All	M _{1->2}	73.333	117.333	137.667	156.667	221.333	141.000	144.767
All	M _{3->2}	48.000	104.667	123.000	142.000	172.667	122.333	119.218
All	M _{4->2}	46.667	77.333	107.000	122.667	164.667	103.667	104.527
All	M _{5->2}	53.333	93.333	113.000	131.333	168.667	113.000	111.455
All	M _{6->2}	18.000	39.333	53.667	66.667	93.333	55.667	55.536
All	M _{7->2}	63.333	97.333	117.667	134.000	162.667	115.667	114.793
All	M _{8->2}	30.667	50.000	61.000	72.000	90.000	62.333	65.616
All	M _{9->2}	76.000	106.000	123.000	140.667	172.667	124.333	124.378
All	M _{10->2}	69.333	115.333	128.333	142.000	165.333	128.333	133.617
All	M _{1->3}	212.000	226.667	250.333	278.000	313.333	243.000	210.092
All	M _{2->3}	58.667	83.333	101.667	124.667	169.333	111.000	112.591
All	M _{4->3}	4.667	15.333	31.000	48.000	113.333	51.667	57.379
All	M _{5->3}	28.667	50.667	69.000	91.333	144.667	81.667	87.959
All	M _{6->3}	112.000	145.333	161.667	176.667	209.333	161.667	161.122
All	M _{7->3}	25.333	49.333	65.000	86.667	134.667	75.000	78.875
All	M _{8->3}	80.000	105.333	121.667	140.000	186.000	127.667	130.036
All	M _{9->3}	20.667	43.333	56.333	69.333	95.333	58.333	58.577
All	M _{10->3}	62.000	93.333	109.667	126.000	156.000	110.333	110.380
All	M _{1->4}	35.333	64.000	79.000	92.667	140.667	82.333	88.128
All	M _{2->4}	34.000	54.667	67.000	78.000	98.667	69.667	75.746
All	M _{3->4}	94.667	130.000	151.667	172.000	213.333	153.000	153.010
All	M _{5->4}	53.333	86.667	106.333	119.333	145.333	103.000	107.507
All	M _{6->4}	52.667	78.000	93.667	109.333	147.333	97.000	98.177
All	M _{7->4}	86.667	120.000	139.667	158.667	202.000	142.333	142.841
All	M _{8->4}	84.667	116.667	131.667	147.333	178.000	133.000	132.400
All	M _{9->4}	43.333	62.667	79.000	96.000	182.667	89.667	119.192
All	M _{10->4}	59.333	90.000	116.333	144.667	204.000	126.333	129.030
All	M _{1->5}	40.000	64.000	81.667	100.667	164.000	89.667	94.667
All	M _{2->5}	70.667	100.000	126.333	151.333	183.333	123.000	123.816
All	M _{3->5}	53.333	82.000	97.667	113.333	158.000	102.333	107.223
All	M _{4->5}	94.000	120.667	138.333	158.667	213.333	145.667	149.246
All	M _{6->5}	83.333	155.333	186.333	212.000	234.667	172.333	164.764

Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
All	M _{7->5}	46.000	86.000	106.333	126.000	172.667	109.000	111.247
All	M _{8->5}	99.333	149.333	176.333	194.667	227.333	169.000	165.936
All	M _{9->5}	23.333	47.333	65.000	87.333	131.333	73.000	75.035
All	M _{10->5}	94.000	140.667	160.333	179.333	225.333	161.000	160.122
All	M _{1->6}	12.000	32.667	43.667	54.667	102.667	46.333	49.958
All	M _{2->6}	86.000	119.333	135.667	151.333	185.333	136.333	136.219
All	M _{3->6}	78.667	116.000	133.667	150.000	181.333	133.000	132.750
All	M _{4->6}	14.000	30.000	49.667	70.000	82.667	65.000	93.248
All	M _{5->6}	62.000	116.000	142.333	161.333	190.000	138.333	148.411
All	M _{7->6}	83.333	124.000	143.000	158.000	176.000	136.333	134.277
All	M _{8->6}	30.000	54.000	68.333	83.333	116.000	71.667	72.219
All	M _{9->6}	22.000	50.000	67.667	84.667	114.000	69.000	68.722
All	M _{10->6}	77.333	105.333	123.000	141.333	182.667	127.000	128.090
All	M _{1->7}	24.000	52.667	68.333	84.000	112.000	69.000	68.647
All	M _{2->7}	18.000	44.667	63.000	84.000	131.333	69.667	71.454
All	M _{3->7}	62.000	83.333	99.667	118.667	162.000	107.000	109.139
All	M _{4->7}	62.667	123.333	145.000	163.333	194.000	141.000	137.638
All	M _{5->7}	16.667	37.333	49.667	62.000	85.333	51.000	50.985
All	M _{6->7}	78.000	114.000	132.333	149.333	181.333	131.667	131.096
All	M _{8->7}	79.333	107.333	125.000	142.000	177.333	127.667	128.080
All	M _{9->7}	86.000	118.667	138.333	158.000	197.333	141.000	141.309
All	M _{10->7}	47.333	70.000	87.667	110.000	157.333	97.667	99.600
All	M _{1->8}	54.667	92.000	112.333	130.000	160.000	110.333	108.796
All	M _{2->8}	80.000	115.333	131.667	148.667	193.333	137.000	149.441
All	M _{3->8}	68.000	98.000	114.333	131.333	169.333	117.667	120.175
All	M _{4->8}	67.333	105.333	123.667	139.333	170.000	122.333	121.363
All	M _{5->8}	77.333	100.667	116.333	133.333	166.667	120.333	120.838
All	M _{6->8}	68.000	98.667	114.333	130.000	164.667	116.333	116.734
All	M _{7->8}	0.000	20.000	37.667	58.667	68.000	109.000	107.377
All	M _{9->8}	66.000	130.667	148.333	191.333	230.667	156.333	154.362
All	M _{10->8}	8.000	58.667	75.000	91.333	107.333	73.000	77.460
All	M _{1->9}	40.000	66.000	80.333	94.000	125.333	82.333	83.075
All	M _{2->9}	50.667	74.000	88.333	102.000	128.667	89.667	89.603
All	M _{3->9}	38.667	63.333	78.333	92.000	118.667	79.000	78.697
All	M _{4->9}	38.000	62.667	77.000	90.667	114.667	77.667	76.908
All	M _{5->9}	43.333	62.667	82.333	102.667	200.667	94.333	114.112
All	M _{6->9}	30.667	60.667	78.333	95.333	130.667	80.333	80.566
All	M _{7->9}	53.333	79.333	95.667	113.333	154.667	100.333	101.630
All	M _{8->9}	60.000	119.333	138.333	156.000	192.667	137.000	134.751
All	M _{10->9}	64.000	96.000	114.333	131.333	174.000	116.333	116.842
All	M _{1->10}	96.667	142.667	169.000	190.000	238.667	167.000	166.566

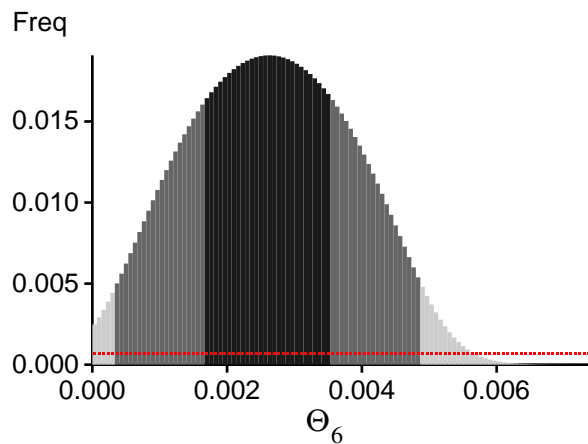
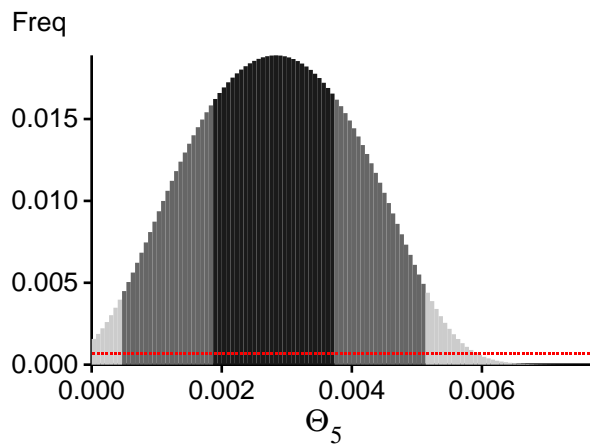
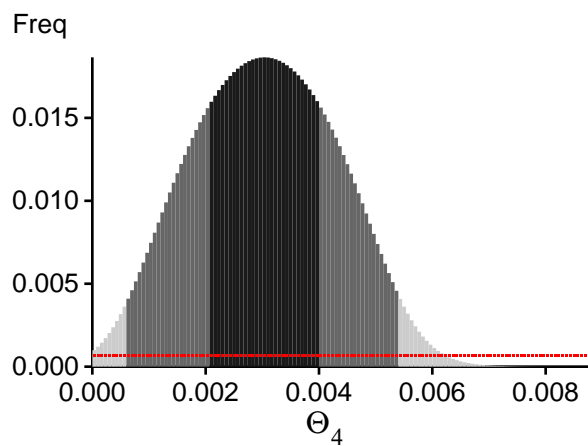
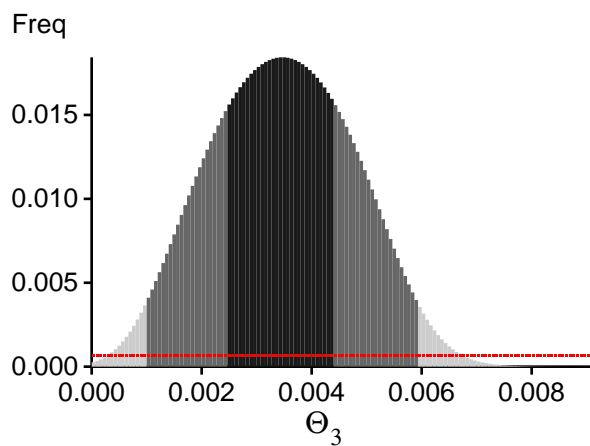
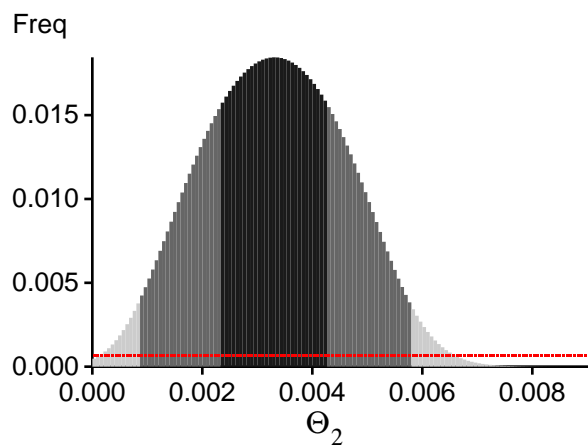
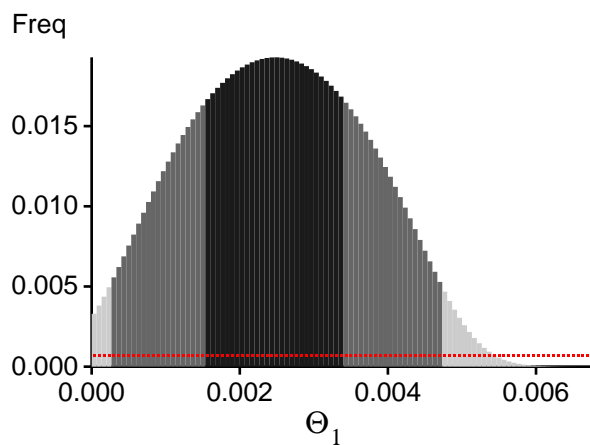
Locus	Parameter	2.5%	25.0%	Mode	75.0%	97.5%	Median	Mean
All	$M_{2 \rightarrow 10}$	33.333	88.000	111.000	130.000	163.333	107.000	105.468
All	$M_{3 \rightarrow 10}$	84.667	114.667	131.667	148.000	176.000	132.333	131.465
All	$M_{4 \rightarrow 10}$	97.333	148.000	171.000	192.667	234.667	169.000	166.445
All	$M_{5 \rightarrow 10}$	41.333	68.000	81.000	94.000	114.667	81.000	79.279
All	$M_{6 \rightarrow 10}$	52.667	122.000	149.000	170.667	204.667	135.000	130.500
All	$M_{7 \rightarrow 10}$	54.000	88.667	109.000	126.000	159.333	107.667	107.526
All	$M_{8 \rightarrow 10}$	78.000	108.667	126.333	144.000	178.000	128.333	128.002
All	$M_{9 \rightarrow 10}$	246.000	264.667	290.333	324.000	355.333	265.000	218.870

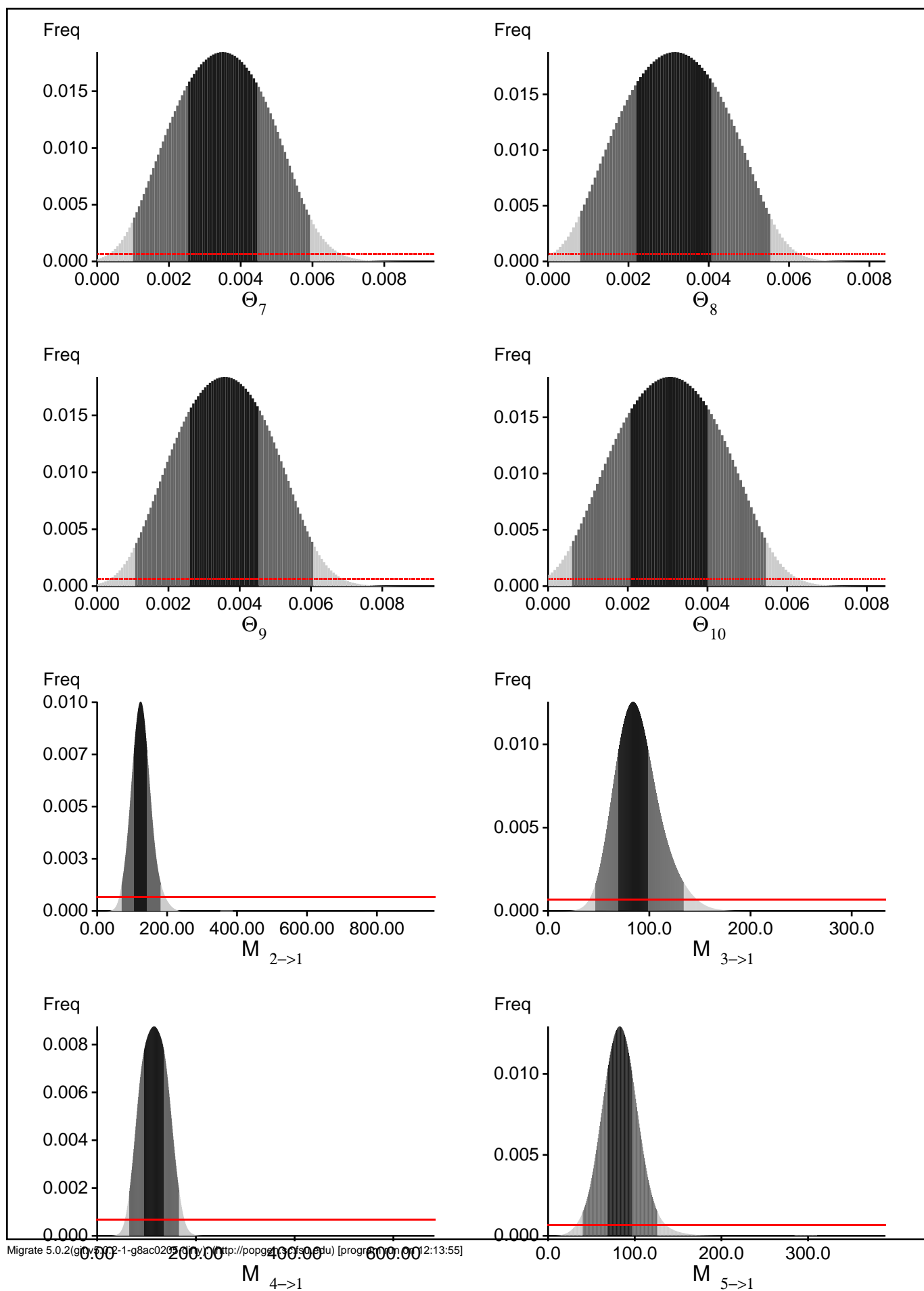
Citation suggestions:

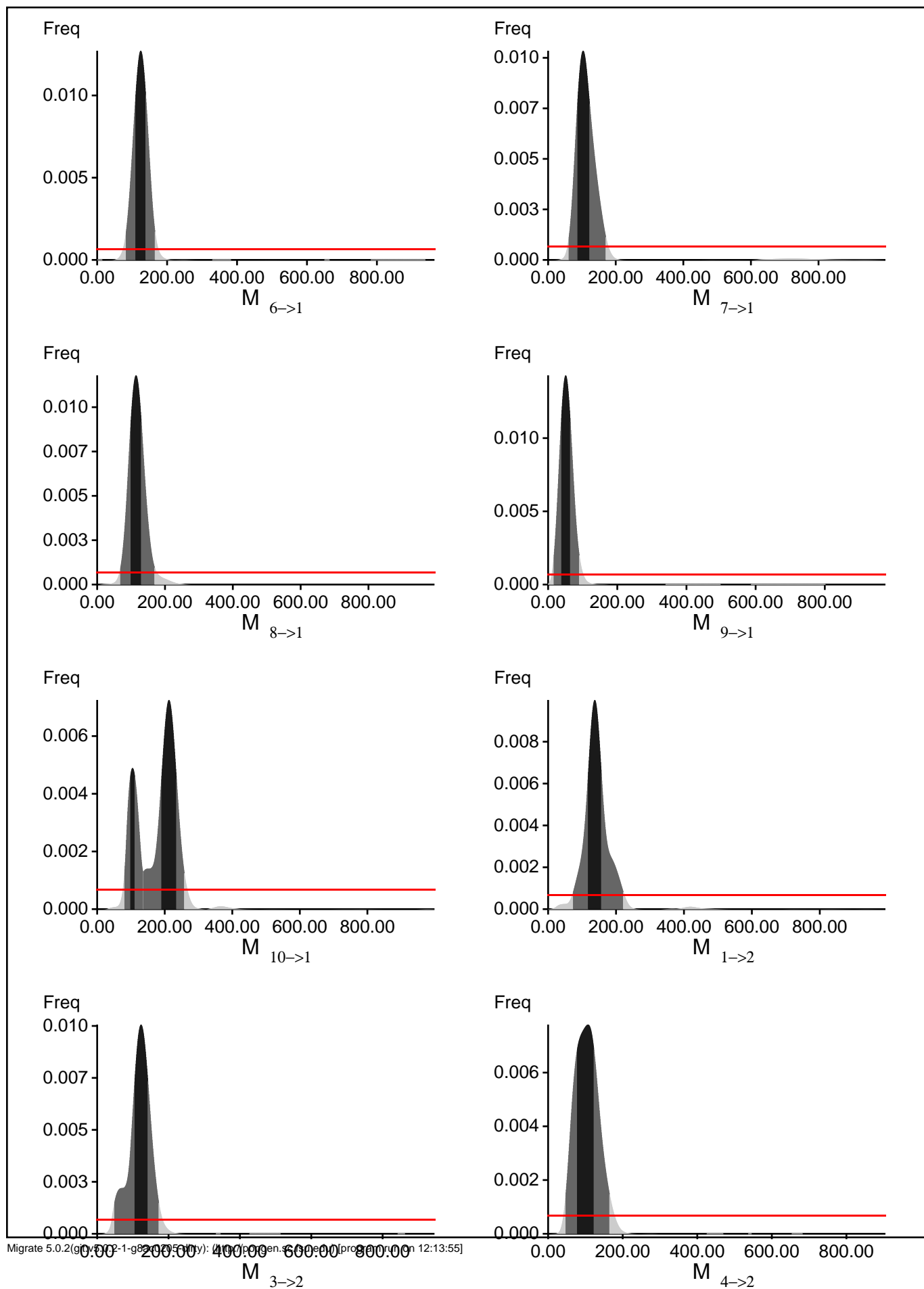
Beerli P., 2006. Comparison of Bayesian and maximum-likelihood inference of population genetic parameters. *Bioinformatics* 22:341-345

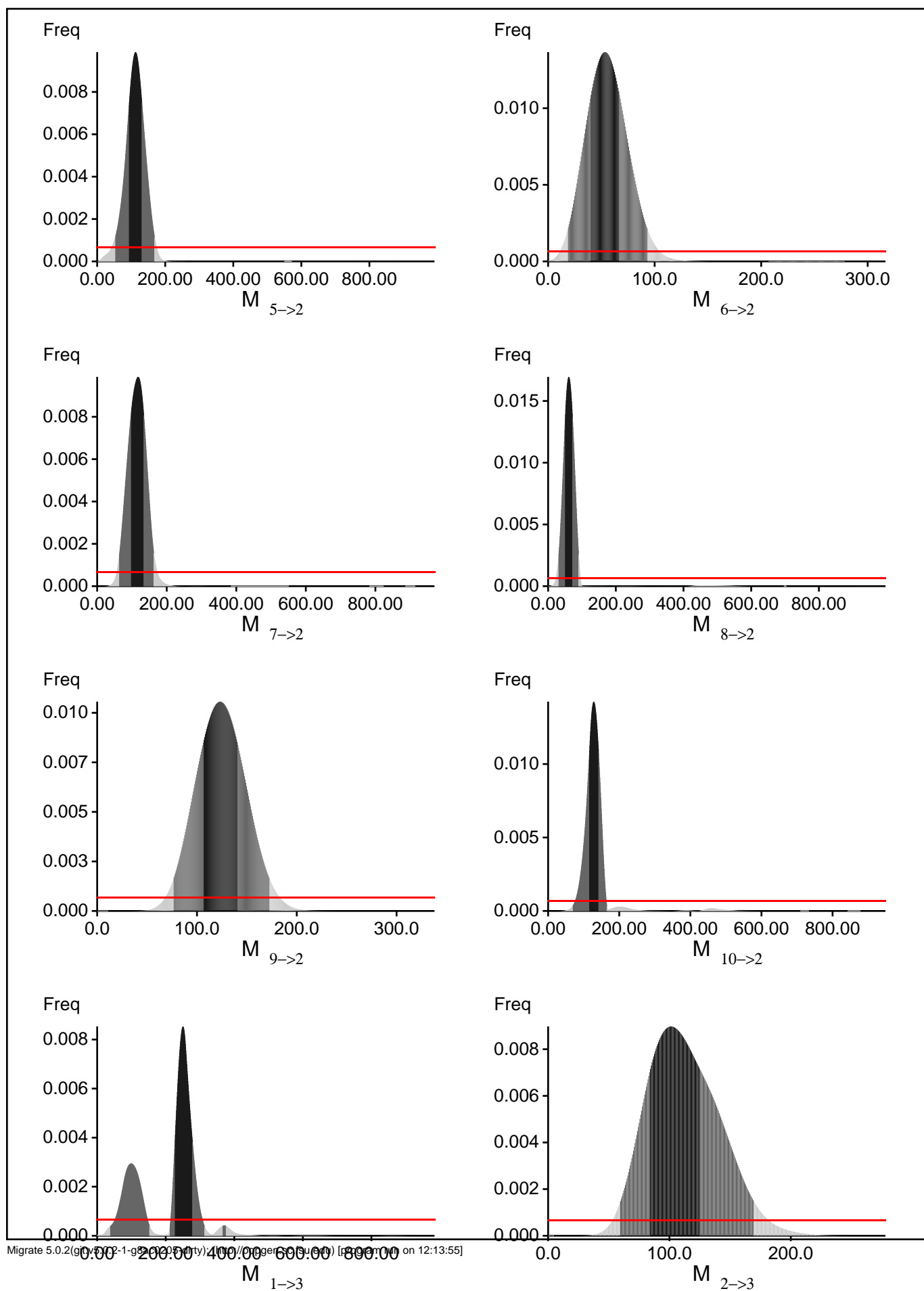
Beerli P., 2009. How to use MIGRATE or why are Markov chain Monte Carlo programs difficult to use?

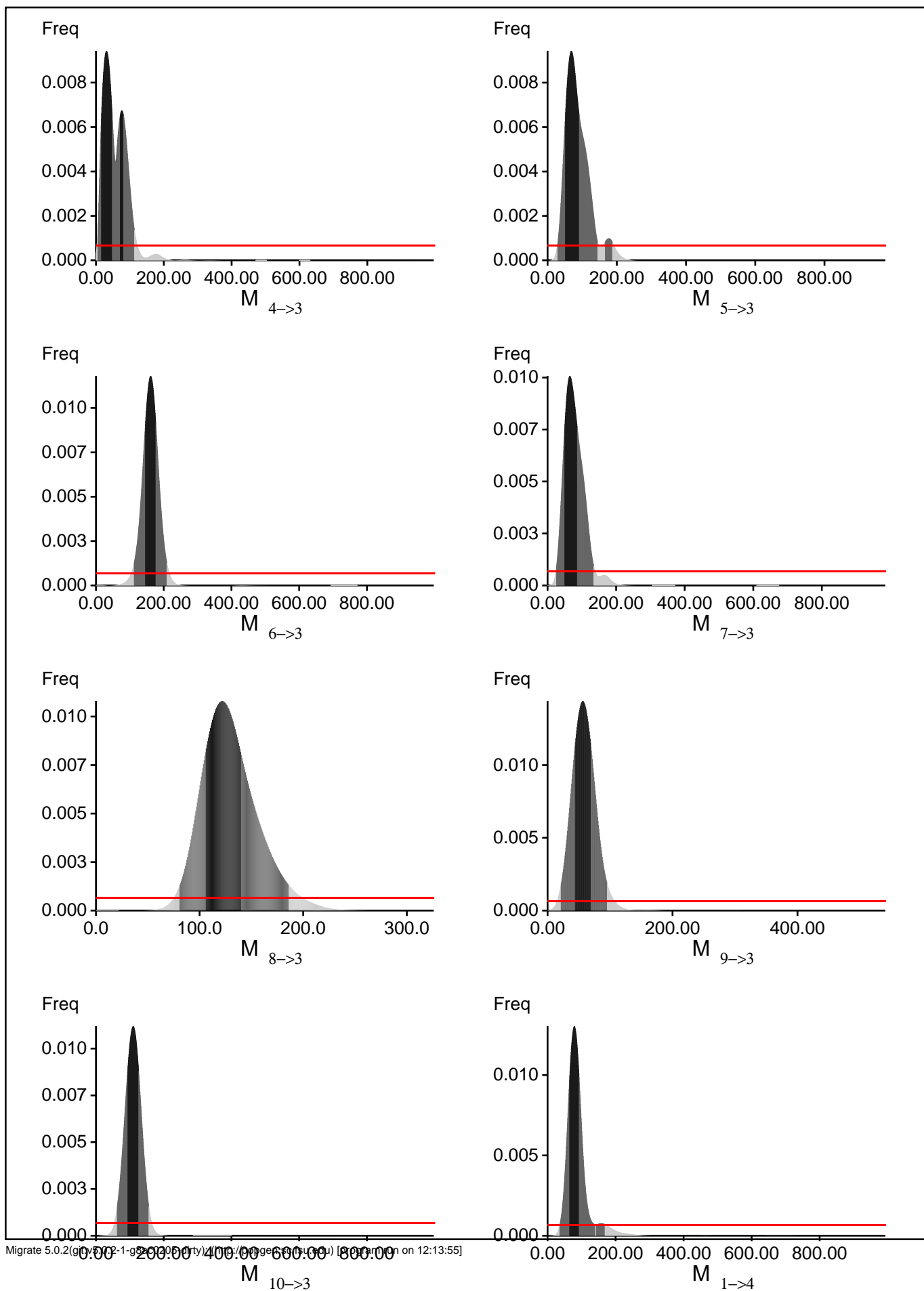
In *Population Genetics for Animal Conservation*, G. Bertorelle, M. W. Bruford, H. C. Hauffe, A. Rizzoli, and C. Vernesi, eds., vol. 17 of *Conservation Biology*, Cambridge University Press, Cambridge UK, pp. 42-79.

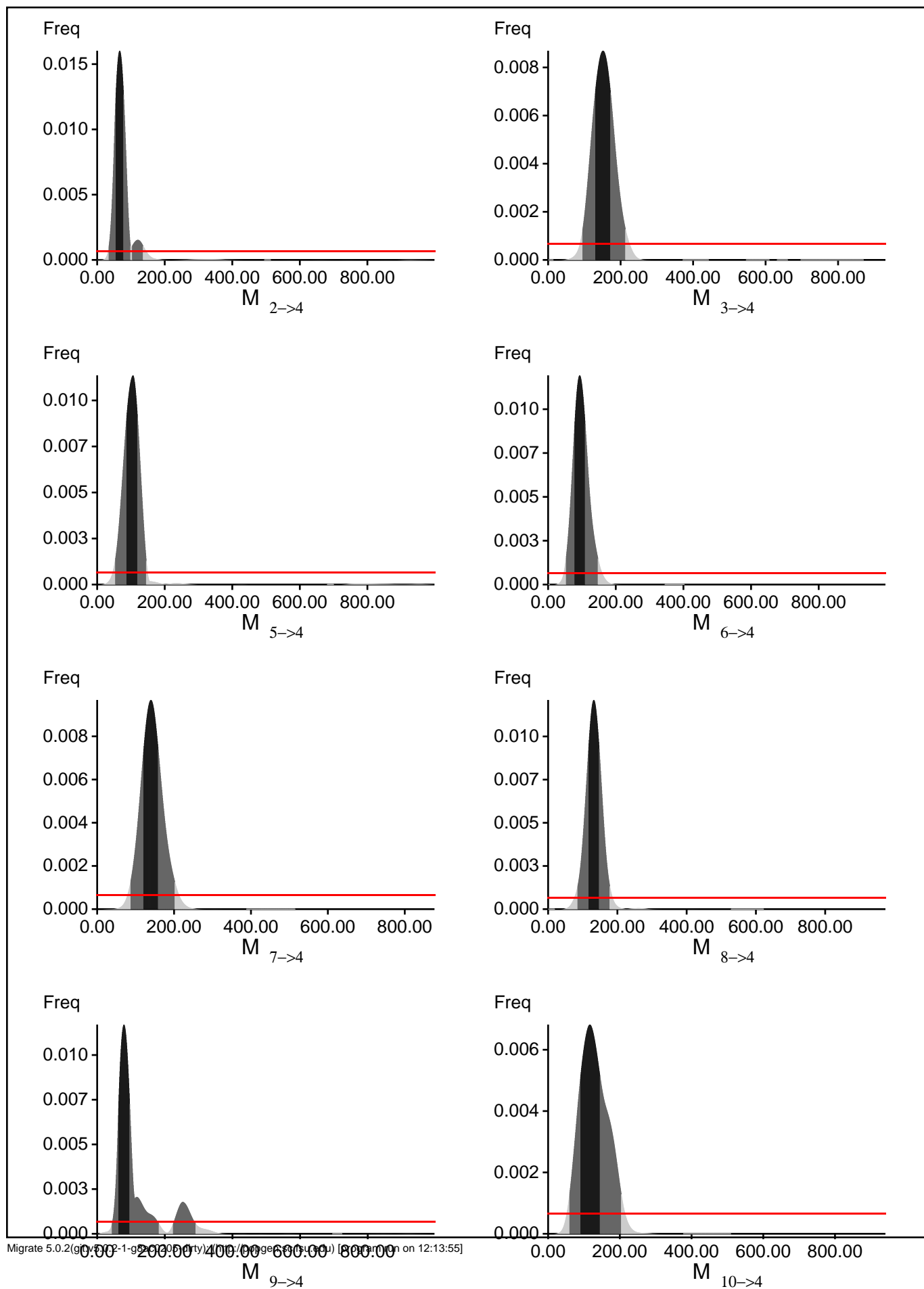
Bayesian Analysis: Posterior distribution over all loci

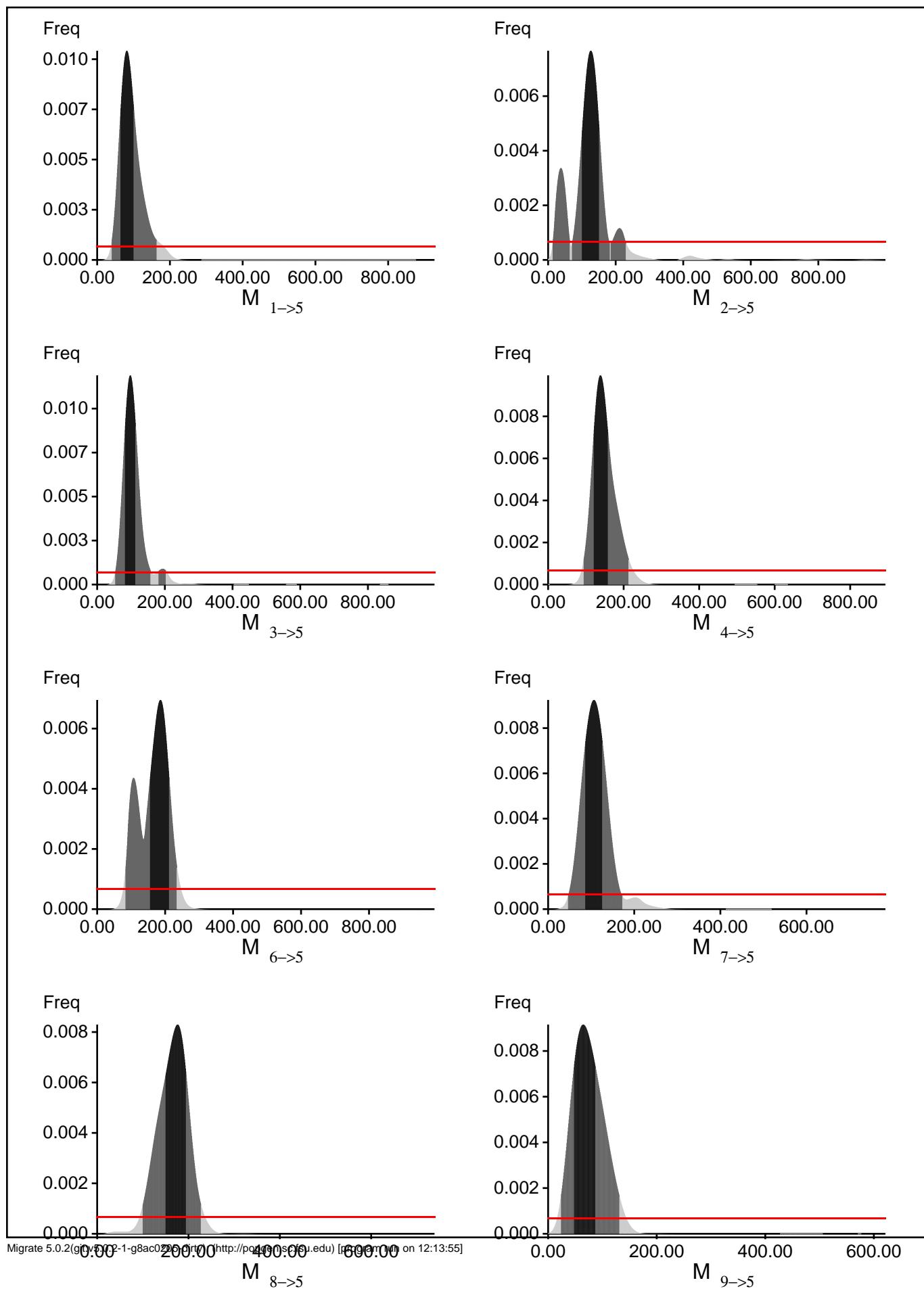


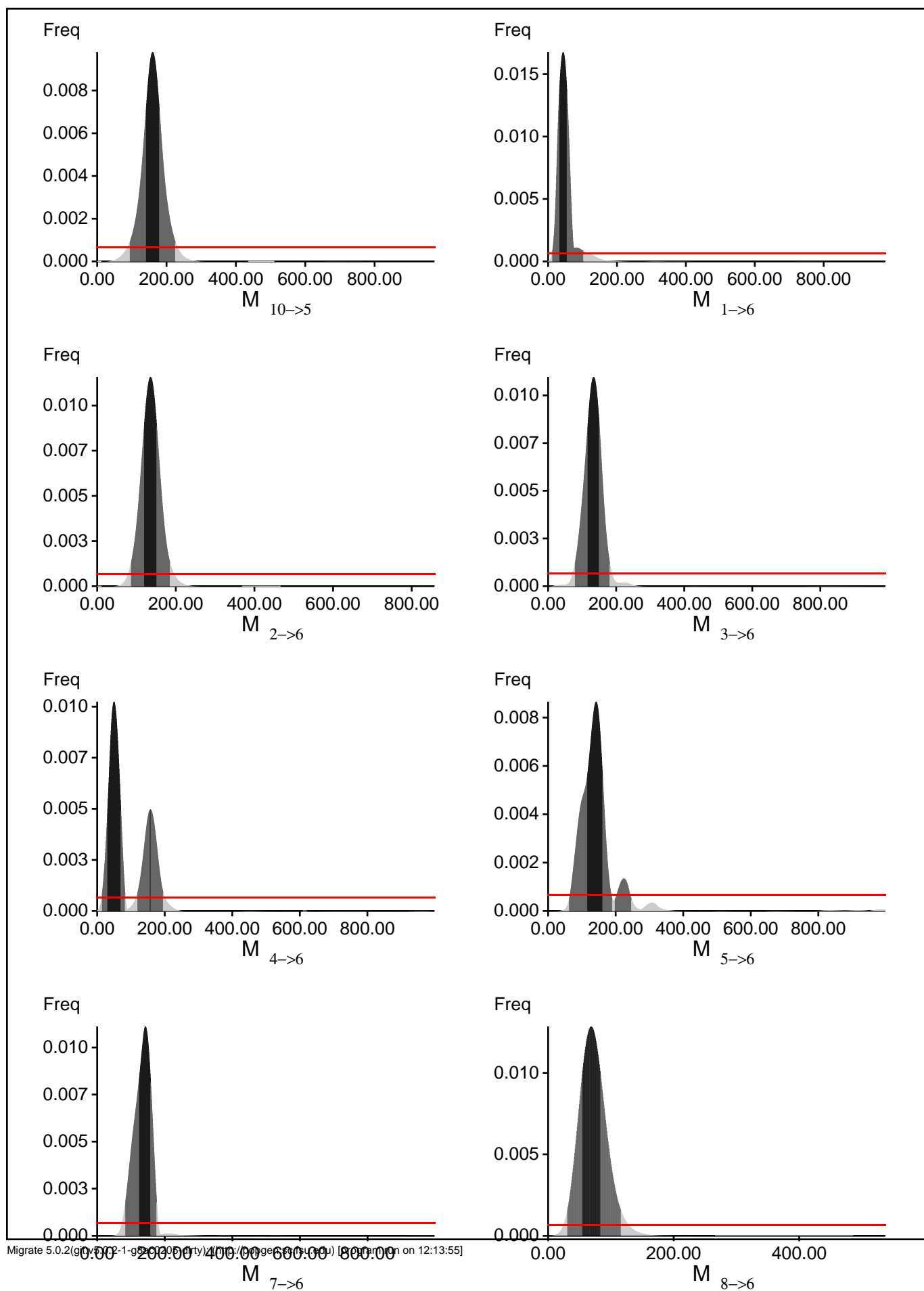


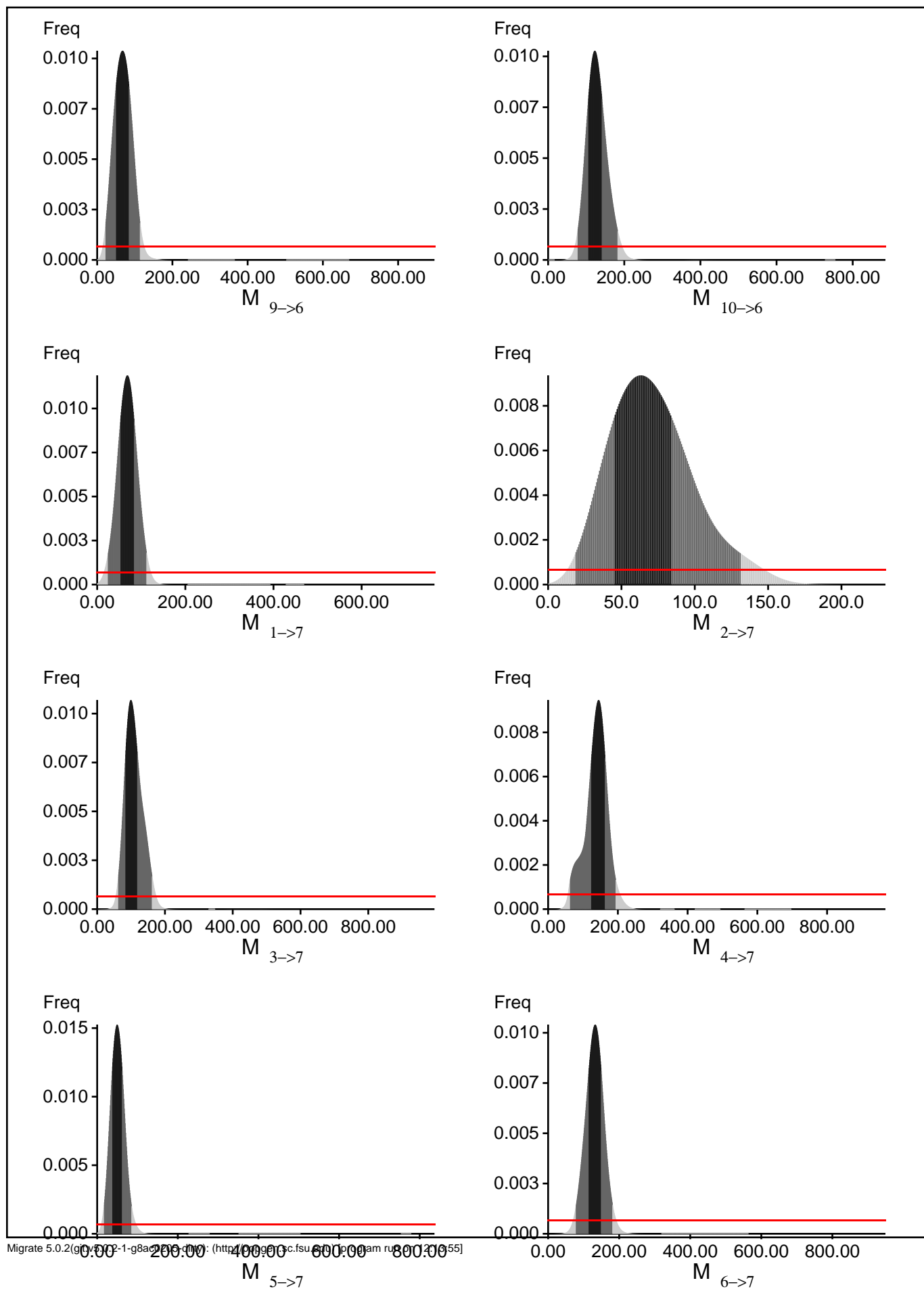


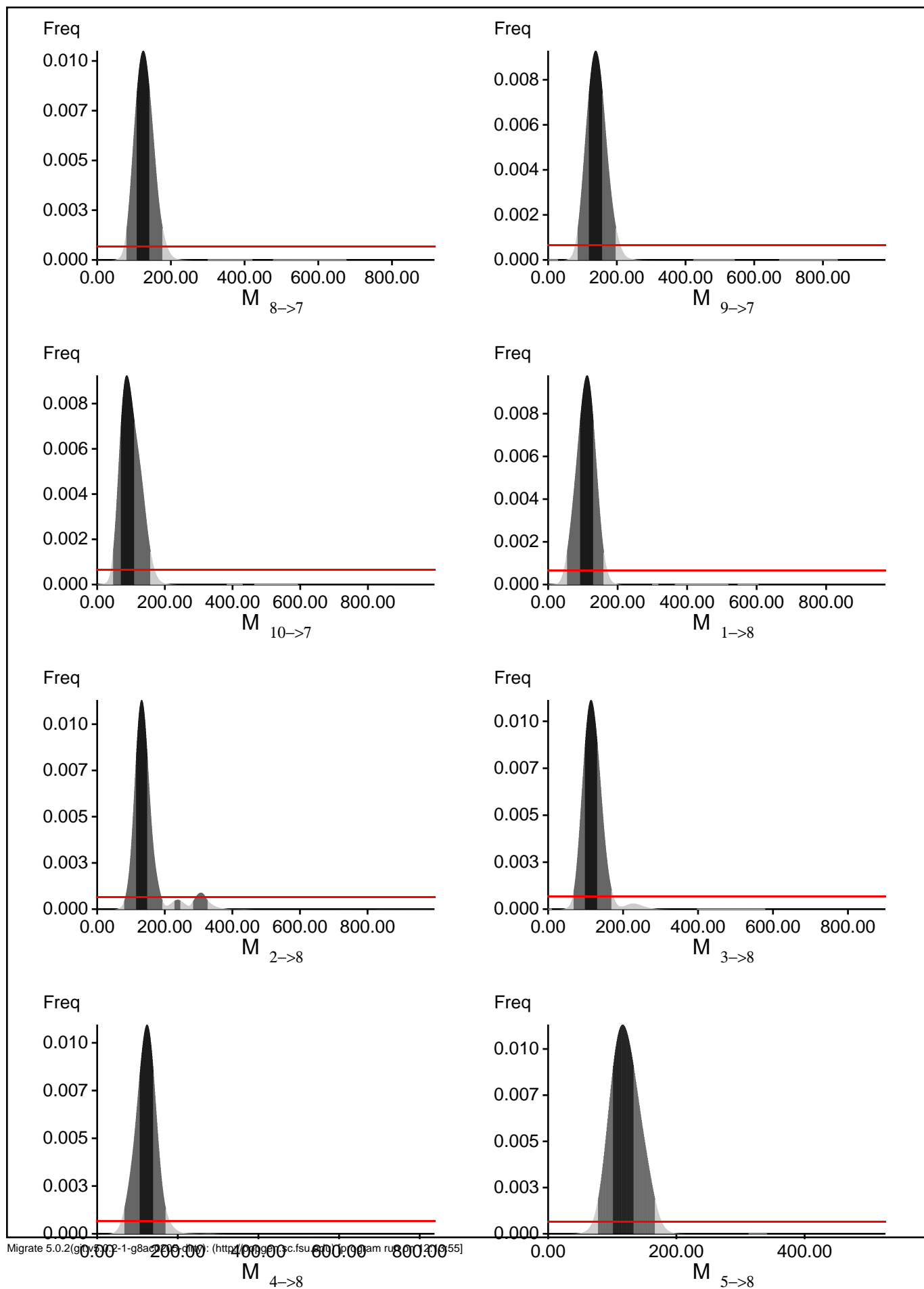


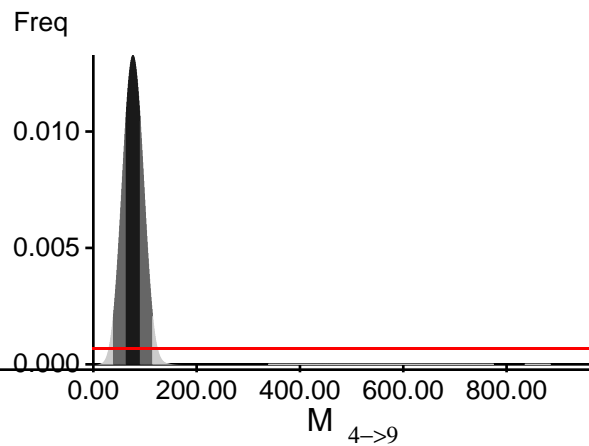
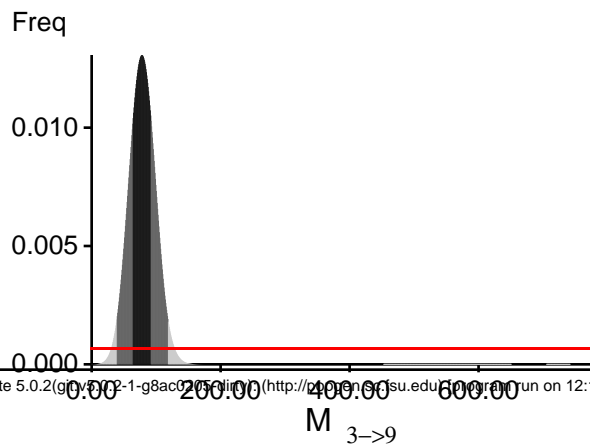
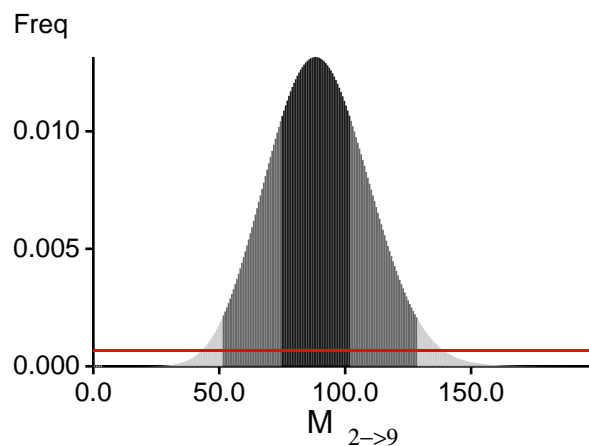
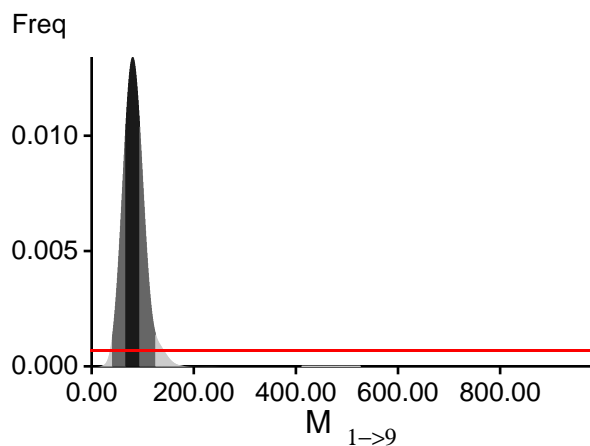
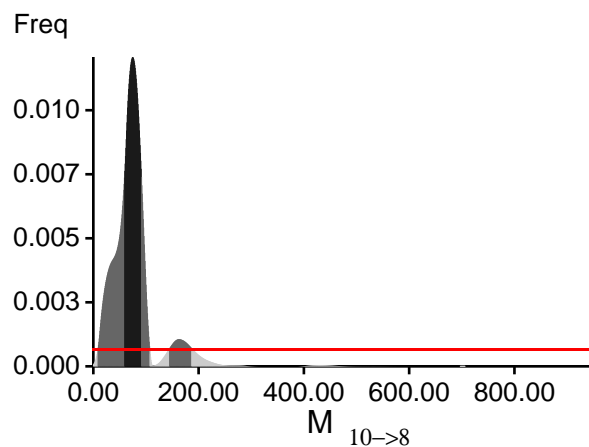
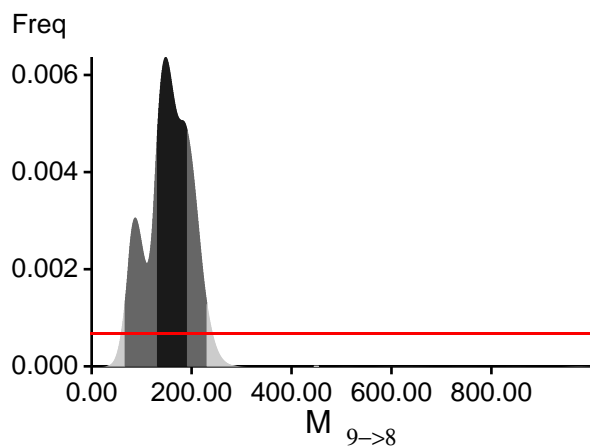
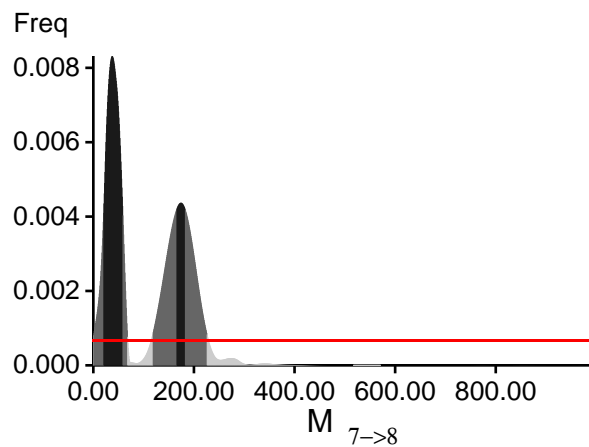
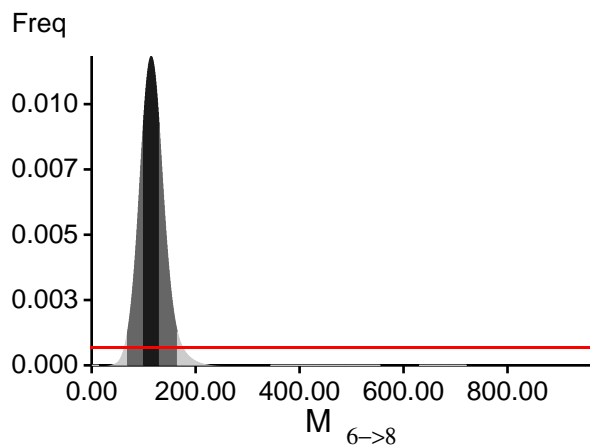


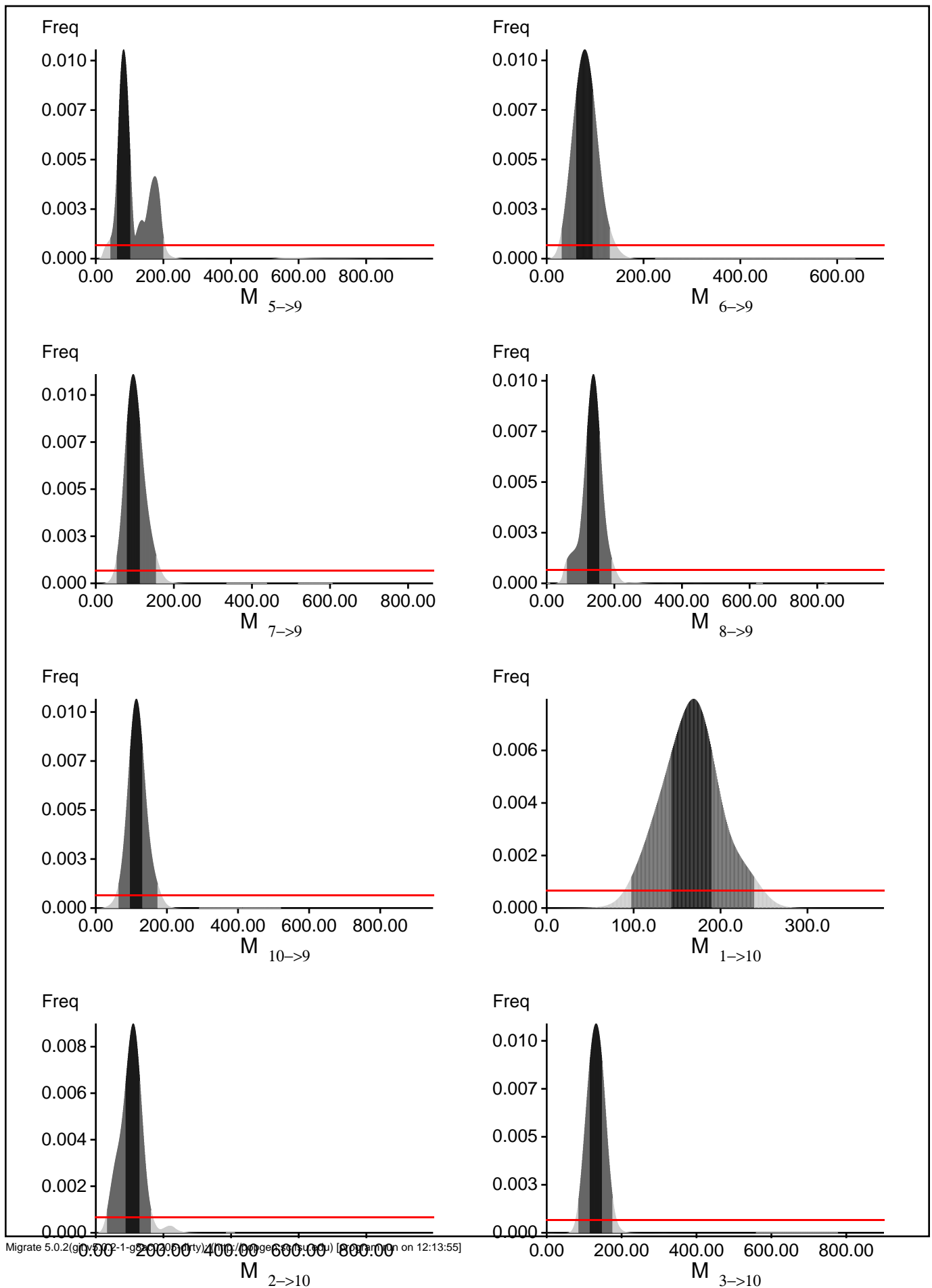


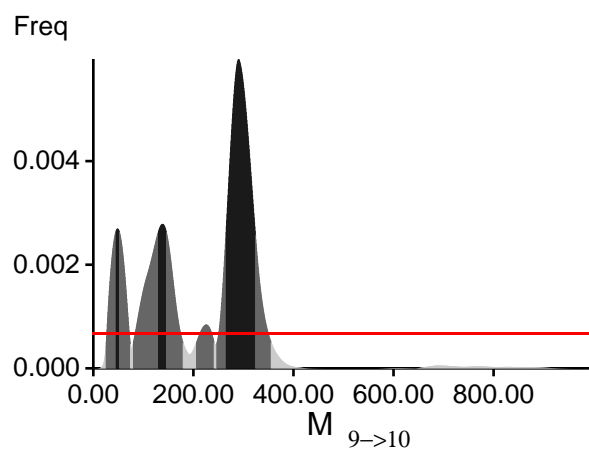
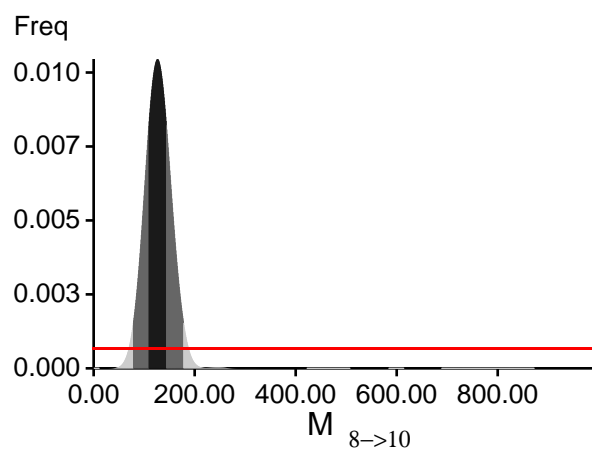
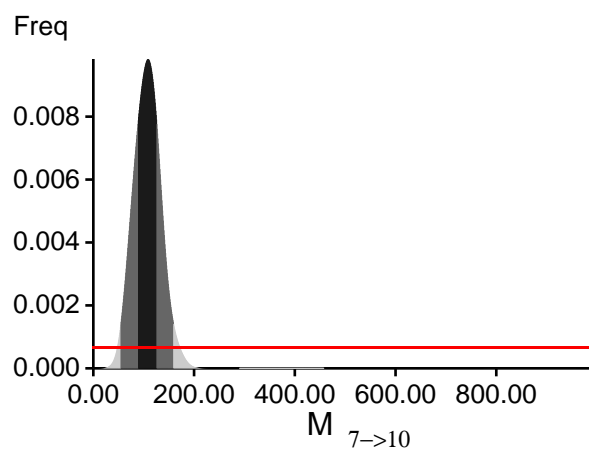
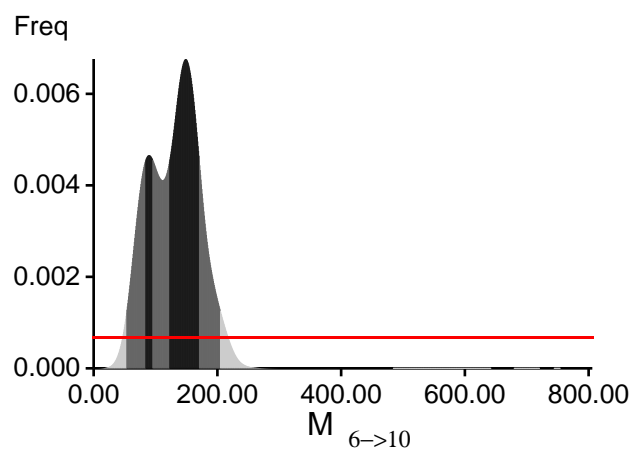
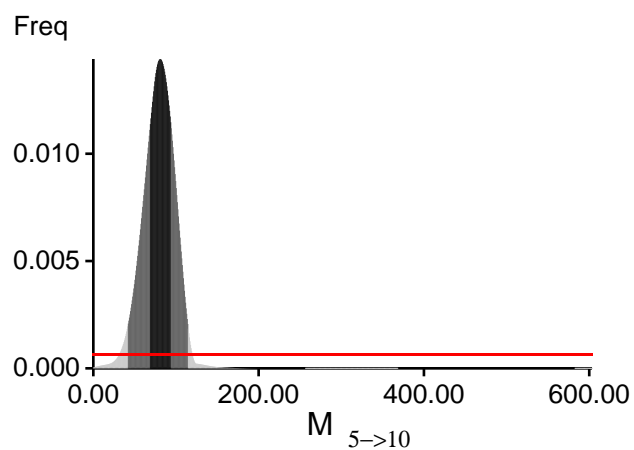
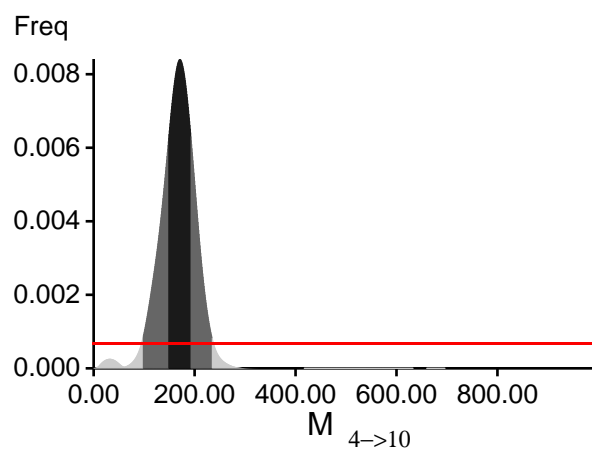












Log-Probability of the data given the model (marginal likelihood)

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	TI(1a)	BTI(1b)	HS(3)
1	-6566.32	-3232.34	-2582.72
2	-16964.01	-5535.50	-3347.00
3	-8084.96	-3622.25	-2758.11
4	-19584.09	-5998.19	-3393.33
5	-14323.81	-5242.94	-3495.95
6	-16860.34	-5412.16	-3223.52
7	-22136.76	-6584.86	-3626.38
8	-20289.44	-5951.86	-3178.23
9	-19927.15	-6142.07	-3497.07
10	-26773.59	-7499.90	-3825.01
All	-170789.79	-54501.38	-32206.63

(1a) TI: Thermodynamic integration: $\log(\text{Prob}(D|\text{Model}))$: Good approximation with many temperatures

(1b) BTI: Bezier-approximated Thermodynamic integration: when using few temperatures USE THIS!

(2) SS: Steppingstone Sampling (Xie et al 2011)

(3) HS: Harmonic mean approximation: Overestimates the marginal likelihood, poor variance

[Scaling factor = 720.679844]

Citation suggestions:

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

Palczewski M. and P. Beerli, 2014. Population model comparison using multi-locus datasets.

In M.-H. Chen, L. Kuo, and P. O. Lewis, editors, *Bayesian Phylogenetics: Methods, Algorithms, and Applications*, pages 187-200. CRC Press, 2014.

Xie W., P. O. Lewis, Y. Fan, L. Kuo, and M.-H. Chen. 2011. Improving marginal likelihood estimation for Bayesian phylogenetic model selection. *Systematic Biology*, 60(2):150â 160, 2011.

Acceptance ratios for all parameters and the genealogies

Parameter	Accepted changes	Ratio
Θ_1	12554/33086	0.37944
Θ_2	17706/33435	0.52956
Θ_3	17768/33290	0.53373
Θ_4	17760/33225	0.53454
Θ_5	14487/33441	0.43321
Θ_6	13812/33361	0.41402
Θ_7	17632/33370	0.52838
Θ_8	15312/33251	0.46050
Θ_9	17813/33730	0.52811
Θ_{10}	15981/33431	0.47803
M _{2→1}	27310/33433	0.81686
M _{3→1}	25848/33344	0.77519
M _{4→1}	26820/33479	0.80110
M _{5→1}	26089/33334	0.78265
M _{6→1}	27139/33381	0.81301
M _{7→1}	26252/33292	0.78854
M _{8→1}	27285/33367	0.81772
M _{9→1}	26054/33427	0.77943
M _{10→1}	27756/33334	0.83266
M _{1→2}	27004/33086	0.81618
M _{3→2}	26253/32951	0.79673
M _{4→2}	26732/33393	0.80053
M _{5→2}	26391/33323	0.79198
M _{6→2}	25848/33388	0.77417
M _{7→2}	26473/33279	0.79549
M _{8→2}	26074/33330	0.78230
M _{9→2}	26828/33426	0.80261
M _{10→2}	27936/33366	0.83726
M _{1→3}	25814/33315	0.77485
M _{2→3}	26990/33582	0.80370
M _{4→3}	25871/33560	0.77089
M _{5→3}	26029/33143	0.78535
M _{6→3}	26579/33178	0.80110
M _{7→3}	25565/33222	0.76952
M _{8→3}	27460/33540	0.81872
M _{9→3}	25896/33535	0.77221
M _{10→3}	26639/33473	0.79584

M	1->4	26540/33093	0.80198
M	2->4	26775/33327	0.80340
M	3->4	27341/33137	0.82509
M	5->4	27286/33178	0.82241
M	6->4	26352/33223	0.79319
M	7->4	27199/33233	0.81843
M	8->4	27485/33327	0.82471
M	9->4	26993/33272	0.81128
M	10->4	27377/33488	0.81752
M	1->5	26806/33346	0.80387
M	2->5	27363/33182	0.82463
M	3->5	26703/33005	0.80906
M	4->5	27464/33326	0.82410
M	6->5	27718/33551	0.82615
M	7->5	26443/33035	0.80045
M	8->5	26953/33033	0.81594
M	9->5	26155/33520	0.78028
M	10->5	27454/33070	0.83018
M	1->6	26434/32877	0.80403
M	2->6	27547/33527	0.82164
M	3->6	27032/33362	0.81026
M	4->6	26555/32997	0.80477
M	5->6	27057/33450	0.80888
M	7->6	27669/33345	0.82978
M	8->6	26041/33200	0.78437
M	9->6	26327/33760	0.77983
M	10->6	27091/33255	0.81464
M	1->7	24873/33321	0.74647
M	2->7	25641/33563	0.76397
M	3->7	26430/33350	0.79250
M	4->7	26654/33357	0.79905
M	5->7	24575/33171	0.74086
M	6->7	26463/33183	0.79749
M	8->7	26769/33371	0.80216
M	9->7	27043/33361	0.81062
M	10->7	25954/33441	0.77611
M	1->8	26046/33410	0.77959
M	2->8	26669/33286	0.80121
M	3->8	26374/33103	0.79673
M	4->8	26204/33319	0.78646
M	5->8	26258/33281	0.78898
M	6->8	26352/33753	0.78073
M	7->8	26462/33413	0.79197
M	9->8	27134/33540	0.80900
M	10->8	26248/33133	0.79220

M	1→9	25932/33193	0.78125
M	2→9	25574/33339	0.76709
M	3→9	25726/33309	0.77234
M	4→9	25895/33479	0.77347
M	5→9	26762/33754	0.79285
M	6→9	25597/33038	0.77477
M	7→9	26839/33500	0.80116
M	8→9	27088/33320	0.81297
M	10→9	25551/33229	0.76894
M	1→10	26832/33384	0.80374
M	2→10	26274/33179	0.79189
M	3→10	26224/33193	0.79005
M	4→10	26843/33649	0.79774
M	5→10	25552/32740	0.78045
M	6→10	26285/32934	0.79811
M	7→10	26138/33251	0.78608
M	8→10	26968/33503	0.80494
M	9→10	27126/33541	0.80874
Genealogies		462026/6667889	0.06929

MCMC-Autocorrelation and Effective MCMC Sample Size

Parameter	Autocorrelation	Effective Sample Size
Θ_1	0.96786	1640.78
Θ_2	0.97697	1172.20
Θ_3	0.98123	954.74
Θ_4	0.98303	861.09
Θ_5	0.97197	1432.57
Θ_6	0.97289	1379.06
Θ_7	0.97988	1021.45
Θ_8	0.97375	1337.77
Θ_9	0.97898	1068.06
Θ_{10}	0.98037	996.57
$M_{2 \rightarrow 1}$	0.98838	586.66
$M_{3 \rightarrow 1}$	0.98592	713.38
$M_{4 \rightarrow 1}$	0.97759	1138.65
$M_{5 \rightarrow 1}$	0.98360	830.83
$M_{6 \rightarrow 1}$	0.98008	1016.04
$M_{7 \rightarrow 1}$	0.98344	838.02
$M_{8 \rightarrow 1}$	0.98477	771.69
$M_{9 \rightarrow 1}$	0.97123	1481.57
$M_{10 \rightarrow 1}$	0.98740	638.62
$M_{1 \rightarrow 2}$	0.98513	755.33
$M_{3 \rightarrow 2}$	0.98531	743.70
$M_{4 \rightarrow 2}$	0.98256	888.67
$M_{5 \rightarrow 2}$	0.98035	997.92
$M_{6 \rightarrow 2}$	0.97825	1112.67
$M_{7 \rightarrow 2}$	0.98597	714.82
$M_{8 \rightarrow 2}$	0.98017	1015.75
$M_{9 \rightarrow 2}$	0.98222	901.91
$M_{10 \rightarrow 2}$	0.98673	672.89
$M_{1 \rightarrow 3}$	0.97482	1290.60
$M_{2 \rightarrow 3}$	0.98380	819.78
$M_{4 \rightarrow 3}$	0.98048	999.96
$M_{5 \rightarrow 3}$	0.97798	1133.64
$M_{6 \rightarrow 3}$	0.98840	585.43
$M_{7 \rightarrow 3}$	0.98284	871.60
$M_{8 \rightarrow 3}$	0.98613	702.02
$M_{9 \rightarrow 3}$	0.98259	888.03
$M_{10 \rightarrow 3}$	0.98133	945.80

M	1->4	0.98909	551.60
M	2->4	0.98897	560.37
M	3->4	0.98603	707.09
M	5->4	0.98594	716.22
M	6->4	0.98137	945.45
M	7->4	0.98724	644.75
M	8->4	0.98288	871.60
M	9->4	0.98330	854.29
M	10->4	0.98893	558.02
M	1->5	0.98560	727.82
M	2->5	0.98451	787.66
M	3->5	0.97748	1153.40
M	4->5	0.98815	597.77
M	6->5	0.98709	651.41
M	7->5	0.98708	654.15
M	8->5	0.98980	515.80
M	9->5	0.98484	772.68
M	10->5	0.98917	546.91
M	1->6	0.98845	587.21
M	2->6	0.98011	1009.78
M	3->6	0.97709	1169.58
M	4->6	0.98625	697.00
M	5->6	0.98102	967.80
M	7->6	0.98735	639.12
M	8->6	0.98322	851.22
M	9->6	0.98628	693.59
M	10->6	0.98361	831.01
M	1->7	0.97636	1203.30
M	2->7	0.98231	897.01
M	3->7	0.98697	660.52
M	4->7	0.98295	861.72
M	5->7	0.97323	1371.15
M	6->7	0.98418	800.39
M	8->7	0.98202	911.61
M	9->7	0.98289	867.60
M	10->7	0.98318	854.46
M	1->8	0.98097	967.49
M	2->8	0.97922	1065.34
M	3->8	0.98260	890.50
M	4->8	0.98011	1015.98
M	5->8	0.97753	1146.48
M	6->8	0.98591	713.32
M	7->8	0.98862	575.00
M	9->8	0.98846	582.13
M	10->8	0.97814	1116.85

M 1→9	0.98201	919.28
M 2→9	0.96960	1556.05
M 3→9	0.97719	1165.14
M 4→9	0.98013	1019.57
M 5→9	0.97446	1308.47
M 6→9	0.98145	940.65
M 7→9	0.98445	788.05
M 8→9	0.98216	906.43
M 10→9	0.98452	782.82
M 1→10	0.98852	578.69
M 2→10	0.98482	768.25
M 3→10	0.97721	1164.50
M 4→10	0.98886	560.80
M 5→10	0.98170	930.47
M 6→10	0.98638	690.29
M 7→10	0.98264	879.03
M 8→10	0.98043	996.39
M 9→10	0.98026	1013.97
Genealogies	0.96786	1640.78

Average temperatures during the run

Chain	Temperatures
-------	--------------

1	0.00000
2	0.00000
3	0.00000
4	0.00000

Adaptive heating often fails, if the average temperatures are very close together try to rerun using static heating! If you want to compare models using marginal likelihoods then you **MUST** use static heating

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 11 (Locus 1): Upper prior boundary seems too low!

Param 42 (Locus 1): Upper prior boundary seems too low!

Param 58 (Locus 1): Upper prior boundary seems too low!

Param 81 (Locus 1): Upper prior boundary seems too low!

Param 83 (Locus 1): Upper prior boundary seems too low!

Param 18 (Locus 3): Upper prior boundary seems too low!

Param 26 (Locus 3): Upper prior boundary seems too low!

Param 37 (Locus 3): Upper prior boundary seems too low!

Param 41 (Locus 3): Upper prior boundary seems too low!

Param 42 (Locus 3): Upper prior boundary seems too low!

Param 60 (Locus 3): Upper prior boundary seems too low!

Param 16 (Locus 5): Upper prior boundary seems too low!

Param 31 (Locus 5): Upper prior boundary seems too low!

Param 100 (Locus 5): Upper prior boundary seems too low!

Param 59 (Locus 6): Upper prior boundary seems too low!

Summary Assignment of Individuals to Populations

Individual	Population									
	1	2	3	4	5	6	7	8	9	10
?0BAG	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?1BAB	0.001	0.999	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?1BAG	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?1BAI	0.000	0.415	0.386	0.193	0.006	0.000	0.000	0.000	0.000	0.000
?2BAA	0.000	0.483	0.517	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?2BAG	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?8BAC	0.000	0.000	0.000	0.000	0.000	0.000	0.106	0.034	0.003	0.857
?3BAA	0.000	0.001	0.000	0.991	0.008	0.000	0.000	0.000	0.000	0.000
?3BAB	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000
?3BAH	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000
?4BAG	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000
?4BAD	0.000	0.000	0.000	0.002	0.998	0.000	0.000	0.000	0.000	0.000
?5BAD	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000
?5BAI	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000
?0BAC	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?9BAG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.989
?6BAH	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000
?6BAJ	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
?6BAF	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
?7BAB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000
?7BAJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000
?7BAG	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000
?8BAH	0.000	0.000	0.000	0.002	0.000	0.001	0.001	0.140	0.798	0.060
?8BAF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000
?4BAJ	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000
?2BAH	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?9BAA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000
?9BAJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000
?0BAH	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?5BAG	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000

Detailed Assignment of Individuals to Populations

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10
?0BAG	1	0.417	0.064	0.048	0.132	0.072	0.025	0.052	0.068	0.079	0.044
?0BAG	2	0.835	0.021	0.007	0.028	0.011	0.041	0.006	0.005	0.038	0.009
?0BAG	3	0.587	0.061	0.052	0.060	0.026	0.062	0.047	0.023	0.041	0.041
?0BAG	4	0.696	0.035	0.044	0.020	0.045	0.045	0.019	0.039	0.036	0.020
?0BAG	5	0.684	0.032	0.046	0.061	0.022	0.020	0.055	0.055	0.003	0.023
?0BAG	6	0.504	0.086	0.139	0.062	0.033	0.055	0.007	0.016	0.029	0.069
?0BAG	7	0.829	0.027	0.022	0.019	0.016	0.009	0.017	0.012	0.027	0.022
?0BAG	8	0.819	0.005	0.016	0.018	0.017	0.039	0.009	0.020	0.032	0.025
?0BAG	9	0.021	0.872	0.016	0.019	0.002	0.008	0.002	0.007	0.027	0.025
?0BAG	10	0.673	0.043	0.028	0.025	0.065	0.012	0.051	0.030	0.031	0.042
?0BAG	All	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?1BAB	1	0.062	0.708	0.017	0.029	0.070	0.006	0.039	0.010	0.018	0.041
?1BAB	2	0.060	0.187	0.432	0.051	0.073	0.040	0.072	0.040	0.013	0.031
?1BAB	3	0.078	0.362	0.144	0.080	0.027	0.008	0.120	0.054	0.064	0.061
?1BAB	4	0.559	0.031	0.052	0.051	0.072	0.028	0.033	0.055	0.047	0.070
?1BAB	5	0.054	0.602	0.025	0.040	0.015	0.125	0.052	0.013	0.053	0.022
?1BAB	6	0.816	0.025	0.007	0.039	0.015	0.045	0.019	0.021	0.002	0.012
?1BAB	7	0.046	0.735	0.015	0.067	0.023	0.015	0.008	0.043	0.039	0.010
?1BAB	8	0.030	0.679	0.024	0.019	0.098	0.035	0.021	0.026	0.015	0.053
?1BAB	9	0.495	0.042	0.048	0.084	0.043	0.067	0.025	0.045	0.030	0.121
?1BAB	10	0.051	0.673	0.050	0.056	0.011	0.044	0.041	0.023	0.026	0.024
?1BAB	All	0.001	0.999	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?1BAG	1	0.137	0.146	0.362	0.082	0.031	0.031	0.064	0.057	0.052	0.038
?1BAG	2	0.022	0.829	0.007	0.035	0.001	0.013	0.051	0.035	0.006	0.000
?1BAG	3	0.113	0.209	0.098	0.160	0.071	0.061	0.092	0.079	0.071	0.045
?1BAG	4	0.018	0.091	0.290	0.356	0.034	0.028	0.022	0.049	0.075	0.035
?1BAG	5	0.045	0.422	0.052	0.079	0.081	0.039	0.049	0.064	0.055	0.113
?1BAG	6	0.221	0.305	0.232	0.040	0.036	0.046	0.028	0.024	0.020	0.048
?1BAG	7	0.013	0.744	0.047	0.046	0.019	0.032	0.034	0.036	0.019	0.011
?1BAG	8	0.123	0.395	0.033	0.038	0.208	0.015	0.026	0.127	0.017	0.019
?1BAG	9	0.419	0.151	0.063	0.040	0.095	0.042	0.040	0.039	0.049	0.063
?1BAG	10	0.028	0.892	0.013	0.031	0.009	0.001	0.000	0.001	0.007	0.019
?1BAG	All	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?1BAI	1	0.134	0.131	0.092	0.153	0.085	0.030	0.058	0.147	0.132	0.038
?1BAI	2	0.065	0.107	0.444	0.058	0.033	0.051	0.095	0.038	0.064	0.045
?1BAI	3	0.582	0.057	0.042	0.094	0.013	0.074	0.046	0.029	0.028	0.035

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10
?1BAI	4	0.022	0.208	0.079	0.017	0.153	0.096	0.048	0.179	0.117	0.081
?1BAI	5	0.074	0.068	0.267	0.086	0.066	0.070	0.077	0.092	0.082	0.118
?1BAI	6	0.103	0.286	0.202	0.101	0.062	0.039	0.046	0.066	0.029	0.064
?1BAI	7	0.022	0.034	0.553	0.192	0.041	0.037	0.013	0.033	0.026	0.049
?1BAI	8	0.010	0.228	0.022	0.601	0.042	0.025	0.008	0.007	0.022	0.033
?1BAI	9	0.036	0.039	0.084	0.346	0.280	0.037	0.032	0.103	0.021	0.021
?1BAI	10	0.030	0.322	0.039	0.029	0.426	0.024	0.038	0.014	0.046	0.033
?1BAI	All	0.000	0.415	0.386	0.193	0.006	0.000	0.000	0.000	0.000	0.000
?2BAA	1	0.024	0.020	0.476	0.070	0.058	0.008	0.092	0.089	0.047	0.115
?2BAA	2	0.015	0.041	0.007	0.288	0.499	0.027	0.033	0.036	0.018	0.035
?2BAA	3	0.071	0.101	0.099	0.242	0.064	0.064	0.127	0.092	0.067	0.075
?2BAA	4	0.152	0.092	0.217	0.049	0.091	0.030	0.019	0.083	0.136	0.131
?2BAA	5	0.034	0.061	0.615	0.048	0.041	0.043	0.035	0.028	0.010	0.086
?2BAA	6	0.089	0.310	0.309	0.061	0.043	0.034	0.027	0.053	0.017	0.058
?2BAA	7	0.478	0.216	0.111	0.033	0.015	0.024	0.026	0.023	0.042	0.033
?2BAA	8	0.020	0.698	0.043	0.048	0.054	0.022	0.030	0.023	0.012	0.049
?2BAA	9	0.034	0.861	0.013	0.014	0.008	0.021	0.009	0.013	0.008	0.020
?2BAA	10	0.031	0.031	0.695	0.024	0.024	0.067	0.027	0.005	0.054	0.042
?2BAA	All	0.000	0.483	0.517	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?2BAG	1	0.163	0.109	0.347	0.087	0.042	0.025	0.057	0.069	0.063	0.039
?2BAG	2	0.033	0.154	0.540	0.033	0.043	0.020	0.075	0.050	0.035	0.019
?2BAG	3	0.048	0.161	0.313	0.061	0.049	0.061	0.103	0.057	0.064	0.083
?2BAG	4	0.010	0.000	0.560	0.000	0.342	0.017	0.030	0.001	0.033	0.008
?2BAG	5	0.048	0.030	0.702	0.013	0.011	0.025	0.057	0.011	0.031	0.073
?2BAG	6	0.247	0.276	0.255	0.046	0.032	0.028	0.029	0.036	0.024	0.026
?2BAG	7	0.027	0.025	0.539	0.221	0.048	0.022	0.017	0.037	0.028	0.037
?2BAG	8	0.066	0.064	0.189	0.378	0.097	0.045	0.019	0.036	0.042	0.065
?2BAG	9	0.041	0.027	0.568	0.122	0.058	0.066	0.036	0.022	0.017	0.043
?2BAG	10	0.066	0.376	0.139	0.055	0.053	0.076	0.071	0.056	0.067	0.041
?2BAG	All	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?8BAC	1	0.025	0.037	0.085	0.039	0.041	0.061	0.551	0.047	0.039	0.075
?8BAC	2	0.039	0.072	0.050	0.055	0.028	0.060	0.037	0.064	0.061	0.533
?8BAC	3	0.029	0.049	0.037	0.047	0.045	0.072	0.044	0.069	0.055	0.554
?8BAC	4	0.037	0.046	0.085	0.093	0.067	0.016	0.026	0.438	0.106	0.086
?8BAC	5	0.053	0.055	0.050	0.039	0.044	0.105	0.506	0.025	0.048	0.075
?8BAC	6	0.055	0.008	0.022	0.054	0.052	0.034	0.100	0.610	0.009	0.056
?8BAC	7	0.007	0.023	0.031	0.071	0.021	0.018	0.704	0.039	0.046	0.040
?8BAC	8	0.002	0.045	0.055	0.033	0.027	0.053	0.026	0.017	0.694	0.048
?8BAC	9	0.088	0.095	0.051	0.049	0.092	0.025	0.033	0.070	0.046	0.450
?8BAC	10	0.087	0.082	0.047	0.059	0.107	0.036	0.081	0.279	0.154	0.068
?8BAC	All	0.000	0.000	0.000	0.000	0.000	0.000	0.106	0.034	0.003	0.857
?3BAA	1	0.279	0.085	0.089	0.118	0.054	0.013	0.087	0.082	0.125	0.067

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10
?3BAA	2	0.095	0.091	0.059	0.087	0.078	0.123	0.239	0.021	0.156	0.051
?3BAA	3	0.015	0.065	0.070	0.069	0.513	0.035	0.079	0.027	0.076	0.050
?3BAA	4	0.156	0.074	0.210	0.048	0.077	0.028	0.057	0.082	0.137	0.130
?3BAA	5	0.041	0.074	0.197	0.384	0.062	0.063	0.028	0.014	0.082	0.055
?3BAA	6	0.082	0.001	0.012	0.125	0.325	0.211	0.064	0.137	0.004	0.037
?3BAA	7	0.014	0.779	0.059	0.042	0.007	0.039	0.018	0.008	0.012	0.021
?3BAA	8	0.012	0.144	0.033	0.101	0.444	0.031	0.004	0.083	0.063	0.085
?3BAA	9	0.026	0.029	0.052	0.546	0.053	0.051	0.059	0.083	0.064	0.038
?3BAA	10	0.016	0.102	0.037	0.557	0.032	0.035	0.055	0.025	0.126	0.014
?3BAA	All	0.000	0.001	0.000	0.991	0.008	0.000	0.000	0.000	0.000	0.000
?3BAB	1	0.023	0.016	0.037	0.058	0.706	0.012	0.016	0.034	0.064	0.034
?3BAB	2	0.056	0.009	0.000	0.868	0.002	0.009	0.023	0.007	0.005	0.020
?3BAB	3	0.060	0.211	0.152	0.209	0.042	0.101	0.070	0.012	0.064	0.080
?3BAB	4	0.013	0.020	0.014	0.812	0.008	0.020	0.005	0.047	0.021	0.041
?3BAB	5	0.043	0.039	0.078	0.261	0.355	0.046	0.035	0.037	0.059	0.047
?3BAB	6	0.121	0.018	0.192	0.543	0.033	0.025	0.000	0.000	0.037	0.032
?3BAB	7	0.023	0.028	0.562	0.199	0.035	0.031	0.023	0.036	0.019	0.044
?3BAB	8	0.020	0.178	0.089	0.346	0.144	0.074	0.021	0.050	0.026	0.052
?3BAB	9	0.115	0.063	0.066	0.280	0.095	0.111	0.003	0.102	0.073	0.091
?3BAB	10	0.063	0.024	0.022	0.343	0.457	0.037	0.019	0.013	0.011	0.010
?3BAB	All	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000
?3BAH	1	0.104	0.025	0.134	0.096	0.064	0.022	0.105	0.176	0.152	0.123
?3BAH	2	0.056	0.037	0.018	0.742	0.021	0.031	0.016	0.023	0.032	0.023
?3BAH	3	0.044	0.022	0.095	0.462	0.025	0.149	0.107	0.016	0.029	0.053
?3BAH	4	0.038	0.028	0.010	0.738	0.067	0.008	0.003	0.034	0.031	0.045
?3BAH	5	0.083	0.094	0.084	0.047	0.060	0.078	0.156	0.041	0.194	0.163
?3BAH	6	0.148	0.032	0.130	0.241	0.144	0.075	0.097	0.056	0.024	0.052
?3BAH	7	0.000	0.023	0.013	0.709	0.027	0.048	0.040	0.052	0.070	0.018
?3BAH	8	0.041	0.223	0.025	0.582	0.026	0.025	0.019	0.021	0.007	0.031
?3BAH	9	0.051	0.010	0.006	0.027	0.828	0.013	0.007	0.047	0.009	0.003
?3BAH	10	0.015	0.034	0.339	0.547	0.011	0.014	0.003	0.002	0.029	0.007
?3BAH	All	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000
?4BAG	1	0.073	0.031	0.108	0.196	0.061	0.060	0.138	0.077	0.156	0.100
?4BAG	2	0.014	0.010	0.021	0.015	0.846	0.043	0.008	0.024	0.002	0.017
?4BAG	3	0.001	0.087	0.026	0.026	0.694	0.046	0.018	0.035	0.029	0.038
?4BAG	4	0.002	0.025	0.022	0.050	0.797	0.063	0.004	0.019	0.016	0.002
?4BAG	5	0.032	0.032	0.064	0.377	0.350	0.023	0.025	0.018	0.041	0.036
?4BAG	6	0.072	0.004	0.032	0.108	0.308	0.214	0.084	0.156	0.016	0.006
?4BAG	7	0.011	0.022	0.021	0.061	0.715	0.024	0.006	0.010	0.006	0.124
?4BAG	8	0.044	0.025	0.069	0.001	0.635	0.014	0.021	0.089	0.007	0.095
?4BAG	9	0.015	0.012	0.006	0.049	0.818	0.020	0.006	0.026	0.028	0.021
?4BAG	10	0.072	0.159	0.063	0.419	0.019	0.059	0.039	0.019	0.116	0.036

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10
?4BAG	All	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000
?4BAD	1	0.050	0.039	0.080	0.299	0.235	0.066	0.028	0.057	0.090	0.056
?4BAD	2	0.051	0.042	0.011	0.730	0.014	0.030	0.019	0.029	0.041	0.032
?4BAD	3	0.005	0.151	0.030	0.101	0.579	0.028	0.045	0.014	0.014	0.033
?4BAD	4	0.061	0.169	0.108	0.048	0.057	0.082	0.021	0.199	0.155	0.100
?4BAD	5	0.059	0.050	0.100	0.232	0.369	0.036	0.032	0.041	0.052	0.028
?4BAD	6	0.015	0.040	0.253	0.301	0.200	0.050	0.025	0.055	0.008	0.054
?4BAD	7	0.012	0.023	0.010	0.024	0.748	0.015	0.031	0.076	0.007	0.054
?4BAD	8	0.016	0.092	0.137	0.034	0.228	0.155	0.027	0.159	0.088	0.064
?4BAD	9	0.028	0.018	0.027	0.039	0.802	0.022	0.005	0.026	0.019	0.015
?4BAD	10	0.057	0.032	0.037	0.330	0.434	0.032	0.033	0.006	0.010	0.030
?4BAD	All	0.000	0.000	0.000	0.002	0.998	0.000	0.000	0.000	0.000	0.000
?5BAD	1	0.043	0.048	0.053	0.056	0.046	0.347	0.049	0.043	0.138	0.177
?5BAD	2	0.028	0.048	0.036	0.078	0.031	0.029	0.083	0.276	0.356	0.036
?5BAD	3	0.029	0.127	0.012	0.028	0.041	0.622	0.042	0.066	0.017	0.016
?5BAD	4	0.026	0.041	0.043	0.001	0.021	0.540	0.167	0.081	0.029	0.051
?5BAD	5	0.075	0.077	0.101	0.057	0.040	0.037	0.038	0.469	0.061	0.044
?5BAD	6	0.063	0.026	0.115	0.170	0.032	0.067	0.307	0.055	0.038	0.127
?5BAD	7	0.031	0.054	0.047	0.011	0.032	0.445	0.035	0.312	0.012	0.020
?5BAD	8	0.011	0.019	0.092	0.046	0.102	0.597	0.028	0.050	0.017	0.038
?5BAD	9	0.009	0.018	0.040	0.011	0.012	0.855	0.019	0.017	0.009	0.009
?5BAD	10	0.072	0.052	0.082	0.081	0.060	0.191	0.212	0.038	0.142	0.070
?5BAD	All	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000
?5BAI	1	0.072	0.049	0.075	0.153	0.046	0.075	0.234	0.136	0.071	0.090
?5BAI	2	0.017	0.028	0.057	0.041	0.017	0.721	0.051	0.012	0.030	0.027
?5BAI	3	0.022	0.095	0.038	0.074	0.094	0.470	0.097	0.032	0.041	0.037
?5BAI	4	0.046	0.075	0.073	0.062	0.054	0.462	0.072	0.075	0.054	0.026
?5BAI	5	0.043	0.028	0.095	0.070	0.030	0.609	0.040	0.018	0.054	0.013
?5BAI	6	0.054	0.183	0.046	0.066	0.074	0.188	0.147	0.023	0.044	0.175
?5BAI	7	0.025	0.051	0.041	0.038	0.018	0.552	0.132	0.058	0.042	0.043
?5BAI	8	0.008	0.032	0.011	0.003	0.041	0.681	0.152	0.018	0.051	0.004
?5BAI	9	0.026	0.025	0.024	0.049	0.055	0.288	0.289	0.199	0.020	0.027
?5BAI	10	0.095	0.018	0.095	0.062	0.072	0.269	0.095	0.053	0.129	0.114
?5BAI	All	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000
?0BAC	1	0.440	0.056	0.074	0.048	0.079	0.052	0.132	0.053	0.039	0.026
?0BAC	2	0.125	0.082	0.043	0.247	0.033	0.111	0.111	0.033	0.118	0.096
?0BAC	3	0.370	0.086	0.078	0.068	0.054	0.069	0.077	0.063	0.059	0.078
?0BAC	4	0.675	0.042	0.074	0.026	0.029	0.051	0.025	0.033	0.029	0.015
?0BAC	5	0.132	0.069	0.231	0.049	0.049	0.044	0.089	0.070	0.139	0.128
?0BAC	6	0.093	0.185	0.147	0.131	0.074	0.063	0.070	0.060	0.064	0.114
?0BAC	7	0.796	0.025	0.024	0.024	0.015	0.014	0.024	0.009	0.030	0.039
?0BAC	8	0.835	0.006	0.021	0.017	0.011	0.026	0.011	0.018	0.038	0.016

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10
?0BAC	9	0.178	0.198	0.230	0.204	0.026	0.048	0.023	0.041	0.024	0.027
?0BAC	10	0.719	0.027	0.033	0.021	0.051	0.032	0.067	0.021	0.007	0.023
?0BAC	All	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?9BAG	1	0.035	0.045	0.036	0.055	0.042	0.387	0.048	0.045	0.134	0.172
?9BAG	2	0.006	0.099	0.018	0.153	0.001	0.011	0.059	0.004	0.605	0.046
?9BAG	3	0.076	0.167	0.150	0.123	0.063	0.134	0.121	0.039	0.078	0.048
?9BAG	4	0.053	0.141	0.128	0.065	0.079	0.090	0.072	0.160	0.066	0.146
?9BAG	5	0.082	0.071	0.061	0.051	0.058	0.053	0.059	0.102	0.338	0.124
?9BAG	6	0.048	0.059	0.037	0.075	0.099	0.099	0.099	0.061	0.226	0.197
?9BAG	7	0.033	0.030	0.053	0.044	0.024	0.067	0.026	0.016	0.396	0.312
?9BAG	8	0.029	0.026	0.044	0.016	0.025	0.052	0.033	0.054	0.025	0.697
?9BAG	9	0.031	0.067	0.056	0.067	0.135	0.046	0.058	0.222	0.035	0.283
?9BAG	10	0.027	0.011	0.021	0.026	0.027	0.023	0.043	0.001	0.063	0.758
?9BAG	All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.989
?6BAH	1	0.040	0.044	0.036	0.053	0.051	0.347	0.049	0.062	0.131	0.187
?6BAH	2	0.027	0.071	0.038	0.053	0.020	0.023	0.116	0.538	0.079	0.035
?6BAH	3	0.008	0.118	0.013	0.023	0.014	0.694	0.011	0.022	0.049	0.047
?6BAH	4	0.032	0.024	0.003	0.014	0.022	0.028	0.835	0.032	0.005	0.005
?6BAH	5	0.077	0.053	0.074	0.021	0.036	0.031	0.062	0.537	0.021	0.088
?6BAH	6	0.058	0.009	0.033	0.070	0.021	0.068	0.610	0.061	0.006	0.063
?6BAH	7	0.004	0.000	0.016	0.011	0.028	0.001	0.040	0.744	0.085	0.072
?6BAH	8	0.001	0.010	0.054	0.050	0.099	0.157	0.037	0.477	0.093	0.023
?6BAH	9	0.036	0.031	0.081	0.086	0.082	0.515	0.038	0.065	0.026	0.040
?6BAH	10	0.031	0.000	0.033	0.021	0.037	0.011	0.046	0.783	0.026	0.011
?6BAH	All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000
?6BAJ	1	0.023	0.026	0.046	0.053	0.035	0.512	0.205	0.037	0.030	0.033
?6BAJ	2	0.038	0.065	0.073	0.073	0.030	0.081	0.151	0.128	0.317	0.044
?6BAJ	3	0.081	0.135	0.078	0.147	0.079	0.070	0.252	0.039	0.047	0.073
?6BAJ	4	0.017	0.038	0.014	0.020	0.022	0.115	0.697	0.027	0.039	0.011
?6BAJ	5	0.090	0.087	0.057	0.056	0.046	0.121	0.419	0.029	0.044	0.051
?6BAJ	6	0.043	0.030	0.089	0.053	0.110	0.040	0.155	0.346	0.044	0.091
?6BAJ	7	0.022	0.018	0.000	0.016	0.024	0.016	0.610	0.263	0.011	0.020
?6BAJ	8	0.005	0.026	0.059	0.014	0.025	0.040	0.451	0.313	0.015	0.053
?6BAJ	9	0.027	0.036	0.032	0.039	0.051	0.311	0.252	0.195	0.022	0.034
?6BAJ	10	0.042	0.039	0.050	0.052	0.038	0.359	0.224	0.044	0.115	0.036
?6BAJ	All	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
?6BAF	1	0.029	0.026	0.039	0.055	0.020	0.497	0.225	0.057	0.029	0.022
?6BAF	2	0.032	0.066	0.118	0.094	0.029	0.034	0.041	0.377	0.155	0.054
?6BAF	3	0.122	0.150	0.023	0.096	0.010	0.029	0.461	0.003	0.049	0.057
?6BAF	4	0.070	0.173	0.091	0.049	0.075	0.036	0.042	0.205	0.134	0.126
?6BAF	5	0.047	0.013	0.052	0.050	0.016	0.657	0.044	0.016	0.070	0.036
?6BAF	6	0.035	0.043	0.022	0.035	0.047	0.005	0.791	0.003	0.017	0.002

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10
?6BAF	7	0.002	0.030	0.035	0.006	0.013	0.023	0.447	0.362	0.045	0.038
?6BAF	8	0.027	0.030	0.058	0.012	0.056	0.609	0.105	0.066	0.015	0.022
?6BAF	9	0.020	0.032	0.004	0.011	0.029	0.003	0.394	0.383	0.111	0.014
?6BAF	10	0.062	0.038	0.009	0.039	0.006	0.533	0.235	0.020	0.049	0.010
?6BAF	All	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000
?7BAB	1	0.004	0.015	0.025	0.036	0.018	0.030	0.022	0.072	0.745	0.032
?7BAB	2	0.026	0.060	0.053	0.060	0.019	0.014	0.085	0.544	0.100	0.039
?7BAB	3	0.048	0.052	0.064	0.047	0.058	0.294	0.059	0.306	0.027	0.046
?7BAB	4	0.021	0.063	0.087	0.041	0.044	0.084	0.135	0.251	0.064	0.210
?7BAB	5	0.054	0.052	0.019	0.028	0.035	0.047	0.039	0.038	0.593	0.094
?7BAB	6	0.040	0.025	0.019	0.028	0.042	0.046	0.028	0.165	0.424	0.184
?7BAB	7	0.059	0.067	0.038	0.125	0.079	0.049	0.042	0.250	0.128	0.163
?7BAB	8	0.005	0.000	0.021	0.010	0.004	0.006	0.011	0.911	0.022	0.010
?7BAB	9	0.023	0.050	0.031	0.045	0.061	0.261	0.299	0.186	0.018	0.025
?7BAB	10	0.062	0.000	0.006	0.025	0.008	0.000	0.013	0.827	0.014	0.044
?7BAB	All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000
?7BAJ	1	0.037	0.035	0.043	0.049	0.029	0.494	0.187	0.042	0.043	0.041
?7BAJ	2	0.021	0.050	0.041	0.057	0.021	0.032	0.095	0.529	0.112	0.044
?7BAJ	3	0.010	0.039	0.004	0.014	0.020	0.011	0.014	0.883	0.001	0.003
?7BAJ	4	0.013	0.073	0.088	0.040	0.067	0.023	0.023	0.063	0.573	0.037
?7BAJ	5	0.053	0.031	0.062	0.017	0.025	0.046	0.030	0.689	0.021	0.025
?7BAJ	6	0.037	0.005	0.010	0.065	0.062	0.028	0.250	0.444	0.042	0.058
?7BAJ	7	0.010	0.108	0.015	0.139	0.094	0.057	0.070	0.197	0.243	0.068
?7BAJ	8	0.009	0.017	0.053	0.042	0.039	0.041	0.227	0.495	0.058	0.019
?7BAJ	9	0.033	0.028	0.017	0.032	0.041	0.003	0.020	0.787	0.024	0.015
?7BAJ	10	0.056	0.037	0.047	0.038	0.032	0.366	0.199	0.059	0.112	0.055
?7BAJ	All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000
?7BAG	1	0.036	0.022	0.095	0.103	0.058	0.027	0.076	0.488	0.068	0.027
?7BAG	2	0.029	0.079	0.113	0.116	0.035	0.044	0.070	0.303	0.132	0.080
?7BAG	3	0.061	0.188	0.090	0.098	0.056	0.053	0.183	0.068	0.083	0.120
?7BAG	4	0.040	0.067	0.049	0.079	0.043	0.034	0.041	0.496	0.069	0.080
?7BAG	5	0.020	0.009	0.040	0.011	0.012	0.017	0.023	0.802	0.020	0.046
?7BAG	6	0.059	0.021	0.037	0.042	0.050	0.018	0.137	0.584	0.027	0.027
?7BAG	7	0.034	0.048	0.091	0.157	0.026	0.140	0.065	0.184	0.187	0.067
?7BAG	8	0.027	0.103	0.064	0.027	0.035	0.100	0.153	0.140	0.313	0.038
?7BAG	9	0.033	0.037	0.017	0.028	0.044	0.027	0.052	0.033	0.491	0.237
?7BAG	10	0.124	0.069	0.051	0.080	0.096	0.062	0.101	0.168	0.182	0.068
?7BAG	All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000
?8BAH	1	0.033	0.046	0.047	0.063	0.034	0.361	0.051	0.052	0.130	0.183
?8BAH	2	0.044	0.087	0.072	0.093	0.030	0.043	0.145	0.304	0.149	0.032
?8BAH	3	0.086	0.041	0.058	0.085	0.079	0.101	0.078	0.349	0.061	0.062
?8BAH	4	0.009	0.003	0.035	0.020	0.011	0.032	0.014	0.047	0.782	0.046

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10
?8BAH	5	0.061	0.032	0.040	0.023	0.038	0.050	0.059	0.035	0.543	0.119
?8BAH	6	0.050	0.046	0.032	0.075	0.070	0.077	0.084	0.066	0.349	0.152
?8BAH	7	0.123	0.059	0.014	0.137	0.023	0.072	0.037	0.319	0.119	0.097
?8BAH	8	0.050	0.034	0.070	0.120	0.048	0.046	0.197	0.051	0.019	0.365
?8BAH	9	0.058	0.022	0.064	0.101	0.073	0.054	0.051	0.251	0.043	0.282
?8BAH	10	0.097	0.084	0.112	0.159	0.069	0.039	0.102	0.155	0.130	0.053
?8BAH	All	0.000	0.000	0.000	0.002	0.000	0.001	0.001	0.140	0.798	0.060
?8BAF	1	0.068	0.036	0.084	0.057	0.053	0.055	0.079	0.121	0.331	0.117
?8BAF	2	0.044	0.057	0.104	0.101	0.031	0.052	0.070	0.352	0.140	0.049
?8BAF	3	0.036	0.049	0.041	0.058	0.116	0.025	0.060	0.050	0.536	0.029
?8BAF	4	0.023	0.060	0.038	0.008	0.037	0.015	0.010	0.021	0.764	0.023
?8BAF	5	0.053	0.051	0.051	0.030	0.065	0.014	0.035	0.111	0.520	0.070
?8BAF	6	0.043	0.016	0.022	0.032	0.030	0.025	0.052	0.157	0.428	0.195
?8BAF	7	0.081	0.057	0.037	0.093	0.132	0.110	0.048	0.092	0.278	0.073
?8BAF	8	0.021	0.017	0.055	0.042	0.034	0.030	0.240	0.476	0.049	0.035
?8BAF	9	0.028	0.040	0.027	0.042	0.031	0.038	0.044	0.024	0.504	0.223
?8BAF	10	0.015	0.027	0.053	0.041	0.045	0.048	0.032	0.525	0.195	0.019
?8BAF	All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000
?4BAJ	1	0.045	0.036	0.019	0.074	0.679	0.009	0.035	0.048	0.044	0.009
?4BAJ	2	0.026	0.018	0.008	0.256	0.532	0.032	0.031	0.034	0.027	0.037
?4BAJ	3	0.008	0.013	0.013	0.019	0.768	0.035	0.018	0.031	0.043	0.050
?4BAJ	4	0.007	0.010	0.019	0.006	0.898	0.005	0.004	0.005	0.028	0.018
?4BAJ	5	0.037	0.043	0.080	0.261	0.368	0.043	0.035	0.042	0.055	0.035
?4BAJ	6	0.040	0.001	0.001	0.034	0.740	0.026	0.018	0.061	0.005	0.075
?4BAJ	7	0.283	0.069	0.085	0.170	0.027	0.048	0.075	0.077	0.095	0.071
?4BAJ	8	0.089	0.441	0.044	0.052	0.161	0.019	0.022	0.099	0.026	0.047
?4BAJ	9	0.020	0.015	0.012	0.046	0.836	0.000	0.006	0.032	0.013	0.018
?4BAJ	10	0.063	0.285	0.044	0.026	0.456	0.023	0.021	0.027	0.023	0.032
?4BAJ	All	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000
?2BAH	1	0.092	0.246	0.101	0.090	0.063	0.029	0.071	0.085	0.125	0.098
?2BAH	2	0.007	0.015	0.830	0.026	0.010	0.007	0.047	0.008	0.024	0.027
?2BAH	3	0.186	0.199	0.062	0.129	0.045	0.089	0.068	0.105	0.076	0.041
?2BAH	4	0.100	0.061	0.432	0.128	0.012	0.010	0.043	0.091	0.058	0.065
?2BAH	5	0.100	0.062	0.087	0.114	0.075	0.134	0.141	0.072	0.127	0.087
?2BAH	6	0.120	0.048	0.097	0.167	0.142	0.105	0.123	0.073	0.020	0.104
?2BAH	7	0.017	0.022	0.512	0.243	0.050	0.037	0.025	0.034	0.017	0.043
?2BAH	8	0.793	0.013	0.019	0.038	0.030	0.016	0.012	0.019	0.038	0.024
?2BAH	9	0.032	0.010	0.847	0.034	0.022	0.010	0.003	0.018	0.005	0.020
?2BAH	10	0.023	0.021	0.742	0.033	0.065	0.019	0.043	0.000	0.032	0.020
?2BAH	All	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?9BAA	1	0.029	0.040	0.044	0.060	0.038	0.328	0.044	0.072	0.143	0.201
?9BAA	2	0.033	0.063	0.014	0.065	0.019	0.007	0.035	0.049	0.035	0.679

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10
?9BAA	3	0.064	0.076	0.067	0.031	0.032	0.053	0.065	0.040	0.031	0.541
?9BAA	4	0.026	0.034	0.029	0.019	0.003	0.013	0.019	0.096	0.002	0.761
?9BAA	5	0.025	0.033	0.073	0.020	0.059	0.045	0.017	0.040	0.039	0.650
?9BAA	6	0.004	0.010	0.015	0.004	0.038	0.020	0.005	0.024	0.719	0.161
?9BAA	7	0.028	0.024	0.017	0.035	0.034	0.045	0.014	0.026	0.013	0.764
?9BAA	8	0.052	0.048	0.043	0.140	0.033	0.029	0.128	0.010	0.015	0.501
?9BAA	9	0.121	0.072	0.072	0.069	0.033	0.080	0.065	0.082	0.062	0.345
?9BAA	10	0.039	0.032	0.006	0.022	0.021	0.035	0.019	0.002	0.013	0.811
?9BAA	All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000
?9BAJ	1	0.032	0.024	0.107	0.097	0.070	0.020	0.040	0.023	0.077	0.511
?9BAJ	2	0.030	0.045	0.000	0.015	0.023	0.013	0.012	0.019	0.061	0.781
?9BAJ	3	0.051	0.052	0.071	0.027	0.044	0.063	0.028	0.049	0.034	0.580
?9BAJ	4	0.037	0.045	0.049	0.070	0.028	0.041	0.029	0.501	0.115	0.085
?9BAJ	5	0.053	0.091	0.083	0.052	0.086	0.042	0.043	0.049	0.127	0.375
?9BAJ	6	0.040	0.019	0.024	0.030	0.040	0.023	0.039	0.166	0.445	0.173
?9BAJ	7	0.052	0.035	0.049	0.055	0.033	0.082	0.030	0.050	0.026	0.588
?9BAJ	8	0.023	0.020	0.026	0.024	0.035	0.032	0.273	0.048	0.282	0.238
?9BAJ	9	0.070	0.068	0.054	0.021	0.054	0.059	0.084	0.069	0.043	0.477
?9BAJ	10	0.088	0.075	0.033	0.039	0.031	0.032	0.027	0.030	0.111	0.533
?9BAJ	All	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000
?0BAH	1	0.603	0.086	0.041	0.055	0.022	0.023	0.033	0.062	0.029	0.047
?0BAH	2	0.059	0.130	0.032	0.042	0.057	0.097	0.077	0.139	0.234	0.135
?0BAH	3	0.051	0.158	0.088	0.152	0.111	0.145	0.138	0.018	0.073	0.066
?0BAH	4	0.703	0.007	0.036	0.020	0.022	0.052	0.018	0.018	0.027	0.098
?0BAH	5	0.371	0.039	0.078	0.094	0.065	0.083	0.090	0.048	0.058	0.073
?0BAH	6	0.861	0.008	0.003	0.012	0.032	0.023	0.004	0.014	0.004	0.039
?0BAH	7	0.505	0.190	0.092	0.036	0.013	0.027	0.030	0.020	0.033	0.053
?0BAH	8	0.001	0.047	0.620	0.048	0.062	0.048	0.030	0.023	0.084	0.037
?0BAH	9	0.603	0.020	0.019	0.061	0.059	0.036	0.016	0.072	0.072	0.043
?0BAH	10	0.827	0.021	0.000	0.019	0.087	0.005	0.002	0.021	0.006	0.013
?0BAH	All	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?5BAG	1	0.036	0.044	0.034	0.043	0.034	0.483	0.186	0.060	0.037	0.043
?5BAG	2	0.047	0.084	0.108	0.091	0.045	0.027	0.058	0.353	0.136	0.052
?5BAG	3	0.092	0.093	0.079	0.076	0.068	0.109	0.058	0.305	0.031	0.088
?5BAG	4	0.010	0.024	0.028	0.000	0.006	0.848	0.020	0.046	0.005	0.012
?5BAG	5	0.029	0.030	0.025	0.016	0.010	0.799	0.038	0.013	0.015	0.024
?5BAG	6	0.038	0.029	0.015	0.024	0.049	0.509	0.251	0.027	0.014	0.044
?5BAG	7	0.017	0.034	0.050	0.020	0.014	0.592	0.134	0.063	0.043	0.033
?5BAG	8	0.044	0.043	0.053	0.010	0.066	0.493	0.118	0.076	0.050	0.048
?5BAG	9	0.030	0.020	0.021	0.043	0.049	0.337	0.224	0.208	0.029	0.038
?5BAG	10	0.044	0.025	0.041	0.008	0.014	0.670	0.032	0.011	0.034	0.122
?5BAG	All	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000

Individual	Locus	Population									
		1	2	3	4	5	6	7	8	9	10